# dit_asym_us_avg_mean vs Slug, Sign Corrected

Right In: 2237.929+/-314.642 $\chi^2$/NDF: 11.3/15

Left Out: 1588.384+/-613.210 $\chi^2$/NDF:2.0/2

Right Out: 2018.625+/-308.362 $\chi^2$/NDF: 12.6/17

Left In: 1806.728+/-661.940 $\chi^2$/NDF:0.1/1

Left: 1689.224+/-449.847 $\chi^2$/NDF: 2.2/4

Right: 2126.067+/-220.232 $\chi^2$/NDF: 24.1/33

In: 2158.458+/-284.172 $\chi^2$/NDF:11.8/17

Out: 1931.787+/-275.491 $\chi^2$/NDF:15.0/20

All: 2041.608+/-197.799 $\chi^2$/NDF: 27.1/38

# dit_asym_us_avg_rms vs Slug, Sign Corrected

Right In: 814.021+/-0.222 $\chi^2$/NDF: 42041.6/15

Left Out: 858.952+/-0.434 $\chi^2$/NDF:244.0/2

Right Out: 815.084+/-0.218 $\chi^2$/NDF: 19959.3/17

Left In: 847.685+/-0.468 $\chi^2$/NDF:0.0/1

Left: 853.749+/-0.318 $\chi^2$/NDF: 555.9/4

Right: 814.563+/-0.156 $\chi^2$/NDF: 62012.6/33

In: 820.225+/-0.201 $\chi^2$/NDF:46261.1/17

Out: 823.938+/-0.195 $\chi^2$/NDF:28372.9/20

All: 822.139+/-0.140 $\chi^2$/NDF: 74810.0/38

# asym_us_avg_correction_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 1498.173+/-1048.087 $\chi^2$/NDF:0.3/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -723.952+/-1196.768 $\chi^2$/NDF:0.1/1

Left: 533.644+/-788.467 $\chi^2$/NDF: 2.3/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -723.952+/-1196.768 $\chi^2$/NDF:0.1/1

Out: 1498.173+/-1048.087 $\chi^2$/NDF:0.3/2

All: 533.644+/-788.467 $\chi^2$/NDF: 2.3/4

# asym_us_avg_correction_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 1457.729+/-0.741 $\chi^2$/NDF:5440.5/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 1526.519+/-0.846 $\chi^2$/NDF:10552.6/1

Left: 1487.588+/-0.558 $\chi^2$/NDF: 19732.7/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 1526.519+/-0.846 $\chi^2$/NDF:10552.6/1

Out: 1457.729+/-0.741 $\chi^2$/NDF:5440.5/2

All: 1487.588+/-0.558 $\chi^2$/NDF: 19732.7/4

# asym_us_avg_mean vs Slug, Sign Corrected

Right In: 2748.777+/-562.943 $\chi^2$/NDF: 13.5/15

Left Out: -81.974+/-1193.718 $\chi^2$/NDF:0.4/2

Right Out: 2379.450+/-568.967 $\chi^2$/NDF: 16.2/17

Left In: 2519.408+/-1341.818 $\chi^2$/NDF:0.0/1

Left: 1067.288+/-891.869 $\chi^2$/NDF: 2.5/4

Right: 2566.079+/-400.174 $\chi^2$/NDF: 30.0/33

In: 2714.448+/-519.109 $\chi^2$/NDF:13.6/17

Out: 1923.782+/-513.609 $\chi^2$/NDF:20.1/20

All: 2314.904+/-365.106 $\chi^2$/NDF: 34.8/38

# asym_us_avg_rms vs Slug, Sign Corrected

Right In: 1439.332+/-0.398 $\chi^2$/NDF: 277860.8/15

Left Out: 1666.396+/-0.844 $\chi^2$/NDF:445.7/2

Right Out: 1488.384+/-0.402 $\chi^2$/NDF: 256324.7/17

Left In: 1711.318+/-0.949 $\chi^2$/NDF:6614.0/1

Left: 1686.242+/-0.631 $\chi^2$/NDF: 8311.0/4

Right: 1463.597+/-0.283 $\chi^2$/NDF: 541697.1/33

In: 1480.040+/-0.367 $\chi^2$/NDF:354350.4/17

Out: 1521.338+/-0.363 $\chi^2$/NDF:293012.9/20

All: 1500.909+/-0.258 $\chi^2$/NDF: 653759.8/38

# dit_asym_us_dd_mean vs Slug, Sign Corrected

Right In: -394.364+/-313.174 $\chi^2$/NDF: 7.4/15

Left Out: 273.852+/-582.948 $\chi^2$/NDF:1.9/2

Right Out: 74.289+/-298.398 $\chi^2$/NDF: 12.9/17

Left In: -919.614+/-635.764 $\chi^2$/NDF:0.8/1

Left: -271.255+/-429.667 $\chi^2$/NDF: 4.6/4

Right: -148.721+/-216.034 $\chi^2$/NDF: 21.5/33

In: -496.928+/-280.939 $\chi^2$/NDF:8.7/17

Out: 115.722+/-265.621 $\chi^2$/NDF:15.0/20

All: -173.447+/-193.011 $\chi^2$/NDF: 26.2/38

# dit_asym_us_dd_rms vs Slug, Sign Corrected

Right In: 799.537+/-0.221 $\chi^2$/NDF: 391185.9/15

Left Out: 816.835+/-0.412 $\chi^2$/NDF:57.1/2

Right Out: 789.794+/-0.211 $\chi^2$/NDF: 11174.9/17

Left In: 814.574+/-0.450 $\chi^2$/NDF:0.1/1

Left: 815.802+/-0.304 $\chi^2$/NDF: 70.9/4

Right: 794.430+/-0.153 $\chi^2$/NDF: 403375.5/33

In: 802.473+/-0.199 $\chi^2$/NDF:392086.4/17

Out: 795.408+/-0.188 $\chi^2$/NDF:14642.0/20

All: 798.743+/-0.136 $\chi^2$/NDF: 407396.3/38

# asym_us_dd_correction_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 364.223+/-1329.483 $\chi^2$/NDF:1.5/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -3594.316+/-1489.678 $\chi^2$/NDF:0.1/1

Left: -1390.832+/-991.905 $\chi^2$/NDF: 5.5/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -3594.316+/-1489.678 $\chi^2$/NDF:0.1/1

Out: 364.223+/-1329.483 $\chi^2$/NDF:1.5/2

All: -1390.832+/-991.905 $\chi^2$/NDF: 5.5/4

# asym_us_dd_correction_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 1858.372+/-0.940 $\chi^2$/NDF:508.1/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 1904.167+/-1.053 $\chi^2$/NDF:3966.9/1

Left: 1878.676+/-0.701 $\chi^2$/NDF: 5527.1/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 1904.167+/-1.053 $\chi^2$/NDF:3966.9/1

Out: 1858.372+/-0.940 $\chi^2$/NDF:508.1/2

All: 1878.676+/-0.701 $\chi^2$/NDF: 5527.1/4

# asym_us_dd_mean vs Slug, Sign Corrected

Right In: -185.054+/-431.495 $\chi^2$/NDF: 16.6/15

Left Out: 316.821+/-680.646 $\chi^2$/NDF:0.1/2

Right Out: -461.253+/-426.921 $\chi^2$/NDF: 8.3/17

Left In: -1379.308+/-760.204 $\chi^2$/NDF:0.0/1

Left: -437.875+/-507.092 $\chi^2$/NDF: 2.8/4

Right: -324.625+/-303.483 $\chi^2$/NDF: 25.2/33

In: -476.058+/-375.259 $\chi^2$/NDF:18.5/17

Out: -241.572+/-361.665 $\chi^2$/NDF:9.3/20

All: -354.491+/-260.409 $\chi^2$/NDF: 28.0/38

# asym_us_dd_rms vs Slug, Sign Corrected

Right In: 1105.236+/-0.305 $\chi^2$/NDF: 255366.2/15

Left Out: 952.851+/-0.481 $\chi^2$/NDF:2868.7/2

Right Out: 1112.974+/-0.302 $\chi^2$/NDF: 362995.4/17

Left In: 972.687+/-0.538 $\chi^2$/NDF:8183.4/1

Left: 961.677+/-0.359 $\chi^2$/NDF: 11807.9/4

Right: 1109.146+/-0.215 $\chi^2$/NDF: 618686.6/33

In: 1072.937+/-0.265 $\chi^2$/NDF:309536.5/17

Out: 1067.765+/-0.256 $\chi^2$/NDF:445299.4/20

All: 1070.256+/-0.184 $\chi^2$/NDF: 755032.9/38

# dit_asym_usl_mean vs Slug, Sign Corrected

Right In: 1811.054+/-442.142 $\chi^2$/NDF: 6.5/15

Left Out: 1855.950+/-839.208 $\chi^2$/NDF:1.2/2

Right Out: 2111.004+/-427.676 $\chi^2$/NDF: 13.0/17

Left In: 836.718+/-916.903 $\chi^2$/NDF:0.1/1

Left: 1391.339+/-619.058 $\chi^2$/NDF: 2.0/4

Right: 1966.016+/-307.400 $\chi^2$/NDF: 19.7/33

In: 1627.236+/-398.257 $\chi^2$/NDF:7.5/17

Out: 2058.420+/-381.048 $\chi^2$/NDF:14.3/20

All: 1852.345+/-275.324 $\chi^2$/NDF: 22.4/38

# dit_asym_usl_rms vs Slug, Sign Corrected

Right In: 1132.074+/-0.313 $\chi^2$/NDF: 316026.3/15

Left Out: 1175.750+/-0.593 $\chi^2$/NDF:563.9/2

Right Out: 1131.016+/-0.302 $\chi^2$/NDF: 19719.1/17

Left In: 1174.213+/-0.648 $\chi^2$/NDF:6.3/1

Left: 1175.050+/-0.438 $\chi^2$/NDF: 573.3/4

Right: 1131.528+/-0.217 $\chi^2$/NDF: 335751.3/33

In: 1140.024+/-0.282 $\chi^2$/NDF:319459.8/17

Out: 1140.239+/-0.269 $\chi^2$/NDF:24794.2/20

All: 1140.136+/-0.195 $\chi^2$/NDF: 344254.3/38

# asym_usl_correction_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 1421.048+/-1118.336 $\chi^2$/NDF:1.3/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -218.585+/-1276.915 $\chi^2$/NDF:0.0/1

Left: 709.311+/-841.296 $\chi^2$/NDF: 2.3/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -218.585+/-1276.915 $\chi^2$/NDF:0.0/1

Out: 1421.048+/-1118.336 $\chi^2$/NDF:1.3/2

All: 709.311+/-841.296 $\chi^2$/NDF: 2.3/4

# asym_usl_correction_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 1555.917+/-0.791 $\chi^2$/NDF:10040.7/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 1630.088+/-0.903 $\chi^2$/NDF:4690.9/1

Left: 1588.114+/-0.595 $\chi^2$/NDF: 18550.3/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 1630.088+/-0.903 $\chi^2$/NDF:4690.9/1

Out: 1555.917+/-0.791 $\chi^2$/NDF:10040.7/2

All: 1588.114+/-0.595 $\chi^2$/NDF: 18550.3/4

# asym_usl_mean vs Slug, Sign Corrected

Right In: 2453.670+/-584.307 $\chi^2$/NDF: 10.8/15

Left Out: 210.492+/-1395.362 $\chi^2$/NDF:0.2/2

Right Out: 1882.755+/-583.188 $\chi^2$/NDF: 22.8/17

Left In: 1047.914+/-1552.673 $\chi^2$/NDF:0.0/1

Left: 584.644+/-1037.843 $\chi^2$/NDF: 0.4/4

Right: 2167.665+/-412.771 $\chi^2$/NDF: 34.0/33

In: 2279.285+/-546.865 $\chi^2$/NDF:11.5/17

Out: 1634.082+/-538.082 $\chi^2$/NDF:24.2/20

All: 1951.461+/-383.549 $\chi^2$/NDF: 36.4/38

# asym_usl_rms vs Slug, Sign Corrected

Right In: 1498.485+/-0.413 $\chi^2$/NDF: 258807.5/15

Left Out: 1950.273+/-0.987 $\chi^2$/NDF:678.9/2

Right Out: 1515.949+/-0.412 $\chi^2$/NDF: 480541.4/17

Left In: 1981.406+/-1.098 $\chi^2$/NDF:2294.5/1

Left: 1964.183+/-0.734 $\chi^2$/NDF: 3418.3/4

Right: 1507.233+/-0.292 $\chi^2$/NDF: 740243.9/33

In: 1558.392+/-0.387 $\chi^2$/NDF:430575.5/17

Out: 1580.535+/-0.380 $\chi^2$/NDF:646175.3/20

All: 1569.642+/-0.271 $\chi^2$/NDF: 1078416.8/38

# dit_asym_usr_mean vs Slug, Sign Corrected

Right In: 2582.988+/-453.193 $\chi^2$/NDF: 12.3/16

Left Out: 1288.050+/-853.111 $\chi^2$/NDF:2.5/2

Right Out: 2020.735+/-426.756 $\chi^2$/NDF: 13.5/18

Left In: 2751.120+/-918.642 $\chi^2$/NDF:0.6/1

Left: 1965.545+/-625.125 $\chi^2$/NDF: 4.5/4

Right: 2284.984+/-310.688 $\chi^2$/NDF: 26.6/35

In: 2615.898+/-406.427 $\chi^2$/NDF:13.0/18

Out: 1874.088+/-381.666 $\chi^2$/NDF:16.6/21

All: 2221.709+/-278.221 $\chi^2$/NDF: 31.3/40

# dit_asym_usr_rms vs Slug, Sign Corrected

Right In: 1165.146+/-0.320 $\chi^2$/NDF: 278570.1/16

Left Out: 1195.199+/-0.603 $\chi^2$/NDF:0.0/2

Right Out: 1140.752+/-0.302 $\chi^2$/NDF: 12717.7/18

Left In: 1176.982+/-0.650 $\chi^2$/NDF:11.8/1

Left: 1186.764+/-0.442 $\chi^2$/NDF: 434.1/4

Right: 1152.217+/-0.220 $\chi^2$/NDF: 294359.2/35

In: 1167.463+/-0.287 $\chi^2$/NDF:278849.0/18

Out: 1151.650+/-0.270 $\chi^2$/NDF:19233.7/21

All: 1159.060+/-0.197 $\chi^2$/NDF: 299691.6/40

# asym_usr_correction_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 1635.362+/-1088.924 $\chi^2$/NDF:0.5/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -1135.038+/-1249.983 $\chi^2$/NDF:0.6/1

Left: 440.034+/-821.063 $\chi^2$/NDF: 3.9/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -1135.038+/-1249.983 $\chi^2$/NDF:0.6/1

Out: 1635.362+/-1088.924 $\chi^2$/NDF:0.5/2

All: 440.034+/-821.063 $\chi^2$/NDF: 3.9/4

# asym_usr_correction_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 1513.120+/-0.770 $\chi^2$/NDF:7270.2/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 1589.488+/-0.884 $\chi^2$/NDF:32885.6/1

Left: 1546.070+/-0.581 $\chi^2$/NDF: 44400.2/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 1589.488+/-0.884 $\chi^2$/NDF:32885.6/1

Out: 1513.120+/-0.770 $\chi^2$/NDF:7270.2/2

All: 1546.070+/-0.581 $\chi^2$/NDF: 44400.2/4

# asym_usr_mean vs Slug, Sign Corrected

Right In: 3069.484+/-797.741 $\chi^2$/NDF: 18.5/16

Left Out: -352.551+/-1353.796 $\chi^2$/NDF:0.4/2

Right Out: 2872.615+/-795.352 $\chi^2$/NDF: 11.6/18

Left In: 4107.605+/-1532.570 $\chi^2$/NDF:0.0/1

Left: 1602.332+/-1014.625 $\chi^2$/NDF: 5.2/4

Right: 2970.754+/-563.242 $\chi^2$/NDF: 30.1/35

In: 3290.796+/-707.617 $\chi^2$/NDF:18.9/18

Out: 2045.068+/-685.762 $\chi^2$/NDF:16.2/21

All: 2648.398+/-492.452 $\chi^2$/NDF: 36.7/40

# asym_usr_rms vs Slug, Sign Corrected

Right In: 2040.433+/-0.564 $\chi^2$/NDF: 331339.9/16

Left Out: 1890.538+/-0.957 $\chi^2$/NDF:4198.0/2

Right Out: 2106.624+/-0.562 $\chi^2$/NDF: 195414.9/18

Left In: 1956.558+/-1.084 $\chi^2$/NDF:13977.9/1

Left: 1919.474+/-0.717 $\chi^2$/NDF: 20260.6/4

Right: 2073.628+/-0.398 $\chi^2$/NDF: 533659.8/35

In: 2022.552+/-0.500 $\chi^2$/NDF:350031.2/18

Out: 2051.178+/-0.485 $\chi^2$/NDF:237492.4/21

All: 2037.314+/-0.348 $\chi^2$/NDF: 589211.4/40

# dit_asym_at1_avg_mean vs Slug, Sign Corrected

Right In: 2319.038+/-801.440 $\chi^2$/NDF: 14.8/16

Left Out: 2804.447+/-1360.905 $\chi^2$/NDF:0.5/2

Right Out: 1705.508+/-782.848 $\chi^2$/NDF: 17.2/18

Left In: 3196.500+/-1473.917 $\chi^2$/NDF:0.6/1

Left: 2984.869+/-999.874 $\chi^2$/NDF: 1.2/4

Right: 2005.073+/-560.015 $\chi^2$/NDF: 32.3/35

In: 2519.269+/-704.085 $\chi^2$/NDF:15.7/18

Out: 1978.737+/-678.585 $\chi^2$/NDF:18.2/21

All: 2239.038+/-488.598 $\chi^2$/NDF: 34.1/40

# dit_asym_at1_avg_rms vs Slug, Sign Corrected

Right In: 2004.551+/-0.567 $\chi^2$/NDF: 916013.4/16

Left Out: 1898.575+/-0.962 $\chi^2$/NDF:175.5/2

Right Out: 2033.490+/-0.554 $\chi^2$/NDF: 611009.8/18

Left In: 1886.053+/-1.042 $\chi^2$/NDF:20.5/1

Left: 1892.812+/-0.707 $\chi^2$/NDF: 273.9/4

Right: 2019.360+/-0.396 $\chi^2$/NDF: 1528357.7/35

In: 1977.510+/-0.498 $\chi^2$/NDF:926011.2/18

Out: 1999.946+/-0.480 $\chi^2$/NDF:625954.3/21

All: 1989.142+/-0.345 $\chi^2$/NDF: 1553018.3/40

# asym_at1_avg_correction_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 1025.259+/-738.470 $\chi^2$/NDF:0.5/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -627.555+/-835.279 $\chi^2$/NDF:0.1/1

Left: 300.141+/-553.253 $\chi^2$/NDF: 2.8/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -627.555+/-835.279 $\chi^2$/NDF:0.1/1

Out: 1025.259+/-738.470 $\chi^2$/NDF:0.5/2

All: 300.141+/-553.253 $\chi^2$/NDF: 2.8/4

# asym_at1_avg_correction_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 1019.187+/-0.522 $\chi^2$/NDF:65365.0/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 1066.719+/-0.591 $\chi^2$/NDF:32.2/1

Left: 1040.040+/-0.391 $\chi^2$/NDF: 69032.4/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 1066.719+/-0.591 $\chi^2$/NDF:32.2/1

Out: 1019.187+/-0.522 $\chi^2$/NDF:65365.0/2

All: 1040.040+/-0.391 $\chi^2$/NDF: 69032.4/4

# asym_at1_avg_mean vs Slug, Sign Corrected

Right In: 2566.797+/-856.089 $\chi^2$/NDF: 15.6/16

Left Out: 1345.650+/-1557.539 $\chi^2$/NDF:0.4/2

Right Out: 1737.684+/-853.181 $\chi^2$/NDF: 20.5/18

Left In: 3795.944+/-1692.977 $\chi^2$/NDF:0.5/1

Left: 2468.878+/-1146.241 $\chi^2$/NDF: 2.1/4

Right: 2150.830+/-604.316 $\chi^2$/NDF: 36.5/35

In: 2817.092+/-763.968 $\chi^2$/NDF:16.5/18

Out: 1647.201+/-748.273 $\chi^2$/NDF:21.0/21

All: 2220.006+/-534.572 $\chi^2$/NDF: 38.7/40

# asym_at1_avg_rms vs Slug, Sign Corrected

Right In: 2158.148+/-0.605 $\chi^2$/NDF: 713862.1/16

Left Out: 2172.493+/-1.101 $\chi^2$/NDF:2061.7/2

Right Out: 2199.343+/-0.603 $\chi^2$/NDF: 803022.0/18

Left In: 2164.424+/-1.197 $\chi^2$/NDF:52.7/1

Left: 2168.794+/-0.811 $\chi^2$/NDF: 2139.0/4

Right: 2178.816+/-0.427 $\chi^2$/NDF: 1519207.5/35

In: 2159.426+/-0.540 $\chi^2$/NDF:713936.7/18

Out: 2193.146+/-0.529 $\chi^2$/NDF:805540.9/21

All: 2176.636+/-0.378 $\chi^2$/NDF: 1521466.2/40

# dit_asym_at1_dd_mean vs Slug, Sign Corrected

Right In: -18.275+/-801.405 $\chi^2$/NDF: 15.8/16

Left Out: 249.129+/-1347.633 $\chi^2$/NDF:3.6/2

Right Out: -1095.433+/-769.722 $\chi^2$/NDF: 19.4/18

Left In: -3175.418+/-1463.438 $\chi^2$/NDF:0.1/1

Left: -1322.306+/-991.336 $\chi^2$/NDF: 6.6/4

Right: -578.567+/-555.139 $\chi^2$/NDF: 36.2/35

In: -746.632+/-702.910 $\chi^2$/NDF:19.5/18

Out: -764.693+/-668.382 $\chi^2$/NDF:23.7/21

All: -756.117+/-484.364 $\chi^2$/NDF: 43.2/40

# dit_asym_at1_dd_rms vs Slug, Sign Corrected

Right In: 2010.272+/-0.567 $\chi^2$/NDF: 839746.7/16

Left Out: 1880.040+/-0.953 $\chi^2$/NDF:60.1/2

Right Out: 2004.882+/-0.544 $\chi^2$/NDF: 367513.0/18

Left In: 1872.998+/-1.035 $\chi^2$/NDF:0.3/1

Left: 1876.809+/-0.701 $\chi^2$/NDF: 85.5/4

Right: 2007.469+/-0.393 $\chi^2$/NDF: 1207306.7/35

In: 1978.603+/-0.497 $\chi^2$/NDF:853285.0/18

Out: 1974.173+/-0.473 $\chi^2$/NDF:380514.8/21

All: 1976.277+/-0.342 $\chi^2$/NDF: 1233841.5/40

# asym_at1_dd_correction_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 134.481+/-307.580 $\chi^2$/NDF:8.4/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -304.952+/-354.589 $\chi^2$/NDF:0.8/1

Left: -54.196+/-232.347 $\chi^2$/NDF: 10.1/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -304.952+/-354.589 $\chi^2$/NDF:0.8/1

Out: 134.481+/-307.580 $\chi^2$/NDF:8.4/2

All: -54.196+/-232.347 $\chi^2$/NDF: 10.1/4

# asym_at1_dd_correction_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 426.736+/-0.217 $\chi^2$/NDF:24152.7/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 448.227+/-0.251 $\chi^2$/NDF:69716.2/1

Left: 435.964+/-0.164 $\chi^2$/NDF: 98061.5/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 448.227+/-0.251 $\chi^2$/NDF:69716.2/1

Out: 426.736+/-0.217 $\chi^2$/NDF:24152.7/2

All: 435.964+/-0.164 $\chi^2$/NDF: 98061.5/4

# asym_at1_dd_mean vs Slug, Sign Corrected

Right In: -458.311+/-865.151 $\chi^2$/NDF: 18.1/16

Left Out: 200.477+/-1384.720 $\chi^2$/NDF:4.6/2

Right Out: -1104.312+/-867.160 $\chi^2$/NDF: 16.9/18

Left In: -2794.247+/-1508.268 $\chi^2$/NDF:0.0/1

Left: -1169.225+/-1020.031 $\chi^2$/NDF: 6.7/4

Right: -780.562+/-612.463 $\chi^2$/NDF: 35.2/35

In: -1036.614+/-750.457 $\chi^2$/NDF:19.9/18

Out: -736.756+/-734.942 $\chi^2$/NDF:22.1/21

All: -883.553+/-525.082 $\chi^2$/NDF: 42.1/40

# asym_at1_dd_rms vs Slug, Sign Corrected

Right In: 2173.529+/-0.612 $\chi^2$/NDF: 805360.7/16

Left Out: 1931.988+/-0.979 $\chi^2$/NDF:17.0/2

Right Out: 2228.892+/-0.613 $\chi^2$/NDF: 895863.4/18

Left In: 1930.393+/-1.067 $\chi^2$/NDF:187.9/1

Left: 1931.259+/-0.721 $\chi^2$/NDF: 206.1/4

Right: 2201.146+/-0.433 $\chi^2$/NDF: 1705309.7/35

In: 2113.336+/-0.531 $\chi^2$/NDF:844654.0/18

Out: 2145.256+/-0.520 $\chi^2$/NDF:961926.5/21

All: 2129.629+/-0.371 $\chi^2$/NDF: 1808427.4/40

# dit_asym_at2_avg_mean vs Slug, Sign Corrected

Right In: 2496.610+/-768.295 $\chi^2$/NDF: 5.9/16

Left Out: 2533.042+/-1869.499 $\chi^2$/NDF:8.3/2

Right Out: 1902.970+/-736.793 $\chi^2$/NDF: 23.5/18

Left In: 3966.606+/-1894.624 $\chi^2$/NDF:0.3/1

Left: 3240.256+/-1330.729 $\chi^2$/NDF: 8.9/4

Right: 2187.370+/-531.779 $\chi^2$/NDF: 29.7/35

In: 2704.201+/-711.982 $\chi^2$/NDF:6.7/18

Out: 1987.678+/-685.478 $\chi^2$/NDF:31.9/21

All: 2332.355+/-493.810 $\chi^2$/NDF: 39.1/40

# dit_asym_at2_avg_rms vs Slug, Sign Corrected

Right In: 1934.404+/-0.543 $\chi^2$/NDF: 638920.4/16

Left Out: 2606.074+/-1.322 $\chi^2$/NDF:538.6/2

Right Out: 1885.547+/-0.521 $\chi^2$/NDF: 752091.8/18

Left In: 2420.496+/-1.340 $\chi^2$/NDF:1001.9/1

Left: 2514.524+/-0.941 $\chi^2$/NDF: 11262.7/4

Right: 1908.949+/-0.376 $\chi^2$/NDF: 1395226.1/35

In: 2003.049+/-0.503 $\chi^2$/NDF:752981.0/18

Out: 1982.385+/-0.485 $\chi^2$/NDF:1009787.0/21

All: 1992.324+/-0.349 $\chi^2$/NDF: 1763642.4/40

# asym_at2_avg_correction_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 9574.472+/-6543.710 $\chi^2$/NDF:0.2/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -4486.442+/-7555.350 $\chi^2$/NDF:0.1/1

Left: 3547.750+/-4946.390 $\chi^2$/NDF: 2.3/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -4486.442+/-7555.350 $\chi^2$/NDF:0.1/1

Out: 9574.472+/-6543.710 $\chi^2$/NDF:0.2/2

All: 3547.750+/-4946.390 $\chi^2$/NDF: 2.3/4

# asym_at2_avg_correction_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 9099.709+/-4.627 $\chi^2$/NDF:6645.7/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 9614.395+/-5.342 $\chi^2$/NDF:26080.8/1

Left: 9320.311+/-3.498 $\chi^2$/NDF: 38029.7/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 9614.395+/-5.342 $\chi^2$/NDF:26080.8/1

Out: 9099.709+/-4.627 $\chi^2$/NDF:6645.7/2

All: 9320.311+/-3.498 $\chi^2$/NDF: 38029.7/4

# asym_at2_avg_mean vs Slug, Sign Corrected

Right In: 5238.554+/-2946.164 $\chi^2$/NDF: 14.5/16

Left Out: -8193.823+/-6640.480 $\chi^2$/NDF:0.2/2

Right Out: 3976.061+/-2790.421 $\chi^2$/NDF: 15.6/18

Left In: 9255.467+/-7609.885 $\chi^2$/NDF:0.0/1

Left: -650.727+/-5003.386 $\chi^2$/NDF: 3.2/4

Right: 4573.057+/-2025.948 $\chi^2$/NDF: 30.2/35

In: 5762.149+/-2747.450 $\chi^2$/NDF:14.8/18

Out: 2149.620+/-2572.522 $\chi^2$/NDF:18.7/21

All: 3837.228+/-1877.846 $\chi^2$/NDF: 34.4/40

# asym_at2_avg_rms vs Slug, Sign Corrected

Right In: 7483.785+/-2.083 $\chi^2$/NDF: 431806.2/16

Left Out: 9240.798+/-4.696 $\chi^2$/NDF:9697.6/2

Right Out: 7191.451+/-1.973 $\chi^2$/NDF: 558753.1/18

Left In: 9681.755+/-5.381 $\chi^2$/NDF:27166.9/1

Left: 9431.418+/-3.538 $\chi^2$/NDF: 40676.8/4

Right: 7329.673+/-1.432 $\chi^2$/NDF: 1000940.7/35

In: 7770.273+/-1.943 $\chi^2$/NDF:604072.5/18

Out: 7498.948+/-1.819 $\chi^2$/NDF:730354.7/21

All: 7625.687+/-1.328 $\chi^2$/NDF: 1344821.7/40

# dit_asym_at2_dd_mean vs Slug, Sign Corrected

Right In: -1120.496+/-679.161 $\chi^2$/NDF: 12.3/16

Left Out: 1378.011+/-1445.112 $\chi^2$/NDF:5.5/2

Right Out: 2.515+/-639.678 $\chi^2$/NDF: 15.5/18

Left In: -1875.703+/-1558.099 $\chi^2$/NDF:0.5/1

Left: -126.607+/-1059.543 $\chi^2$/NDF: 8.4/4

Right: -525.400+/-465.654 $\chi^2$/NDF: 29.2/35

In: -1241.076+/-622.586 $\chi^2$/NDF:13.0/18

Out: 227.872+/-584.934 $\chi^2$/NDF:21.7/21

All: -460.843+/-426.301 $\chi^2$/NDF: 37.7/40

# dit_asym_at2_dd_rms vs Slug, Sign Corrected

Right In: 1701.283+/-0.480 $\chi^2$/NDF: 778718.7/16

Left Out: 2017.886+/-1.022 $\chi^2$/NDF:4750.1/2

Right Out: 1651.734+/-0.452 $\chi^2$/NDF: 588842.2/18

Left In: 1993.128+/-1.102 $\chi^2$/NDF:1089.2/1

Left: 2006.437+/-0.749 $\chi^2$/NDF: 6110.8/4

Right: 1675.026+/-0.329 $\chi^2$/NDF: 1373201.9/35

In: 1747.880+/-0.440 $\chi^2$/NDF:838773.6/18

Out: 1711.723+/-0.414 $\chi^2$/NDF:700952.0/21

All: 1728.675+/-0.301 $\chi^2$/NDF: 1543308.5/40

# asym_at2_dd_correction_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 2076.202+/-2977.155 $\chi^2$/NDF:4.9/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -3975.202+/-3222.683 $\chi^2$/NDF:0.8/1

Left: -710.225+/-2186.822 $\chi^2$/NDF: 7.6/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -3975.202+/-3222.683 $\chi^2$/NDF:0.8/1

Out: 2076.202+/-2977.155 $\chi^2$/NDF:4.9/2

All: -710.225+/-2186.822 $\chi^2$/NDF: 7.6/4

# asym_at2_dd_correction_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 4157.931+/-2.105 $\chi^2$/NDF:3666.5/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 4122.752+/-2.279 $\chi^2$/NDF:346.9/1

Left: 4141.732+/-1.546 $\chi^2$/NDF: 4141.9/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 4122.752+/-2.279 $\chi^2$/NDF:346.9/1

Out: 4157.931+/-2.105 $\chi^2$/NDF:3666.5/2

All: 4141.732+/-1.546 $\chi^2$/NDF: 4141.9/4

# asym_at2_dd_mean vs Slug, Sign Corrected

Right In: 903.274+/-961.918 $\chi^2$/NDF: 21.6/16

Left Out: -707.917+/-1614.137 $\chi^2$/NDF:4.2/2

Right Out: 1231.015+/-925.029 $\chi^2$/NDF: 8.9/18

Left In: 2077.237+/-1761.552 $\chi^2$/NDF:1.0/1

Left: 563.265+/-1190.076 $\chi^2$/NDF: 6.5/4

Right: 1073.549+/-666.754 $\chi^2$/NDF: 30.6/35

In: 1172.925+/-844.247 $\chi^2$/NDF:22.9/18

Out: 751.660+/-802.579 $\chi^2$/NDF:14.2/21

All: 951.640+/-581.682 $\chi^2$/NDF: 37.2/40

# asym_at2_dd_rms vs Slug, Sign Corrected

Right In: 2436.256+/-0.680 $\chi^2$/NDF: 468552.3/16

Left Out: 2254.874+/-1.141 $\chi^2$/NDF:2280.4/2

Right Out: 2361.558+/-0.654 $\chi^2$/NDF: 655845.9/18

Left In: 2253.515+/-1.246 $\chi^2$/NDF:56.2/1

Left: 2254.254+/-0.842 $\chi^2$/NDF: 2337.3/4

Right: 2397.448+/-0.471 $\chi^2$/NDF: 1130664.2/35

In: 2394.282+/-0.597 $\chi^2$/NDF:485188.3/18

Out: 2335.183+/-0.568 $\chi^2$/NDF:664703.1/21

All: 2363.238+/-0.411 $\chi^2$/NDF: 1155039.4/40

# dit_asym_atl_avg_mean vs Slug, Sign Corrected

Right In: 1783.505+/-694.403 $\chi^2$/NDF: 12.4/16

Left Out: 3621.460+/-1566.019 $\chi^2$/NDF:5.0/2

Right Out: 1229.293+/-708.144 $\chi^2$/NDF: 24.2/18

Left In: 1078.064+/-1644.122 $\chi^2$/NDF:0.2/1

Left: 2411.606+/-1133.949 $\chi^2$/NDF: 6.5/4

Right: 1511.828+/-495.804 $\chi^2$/NDF: 37.0/35

In: 1676.715+/-639.688 $\chi^2$/NDF:12.8/18

Out: 1635.401+/-645.241 $\chi^2$/NDF:31.2/21

All: 1656.236+/-454.278 $\chi^2$/NDF: 44.0/40

# dit_asym_atl_avg_rms vs Slug, Sign Corrected

Right In: 1746.836+/-0.491 $\chi^2$/NDF: 682484.5/16

Left Out: 2182.422+/-1.107 $\chi^2$/NDF:2259.4/2

Right Out: 1835.413+/-0.500 $\chi^2$/NDF: 550402.9/18

Left In: 2099.357+/-1.163 $\chi^2$/NDF:768.4/1

Left: 2142.909+/-0.802 $\chi^2$/NDF: 5704.5/4

Right: 1790.310+/-0.350 $\chi^2$/NDF: 1248859.1/35

In: 1800.201+/-0.452 $\chi^2$/NDF:761279.7/18

Out: 1894.206+/-0.456 $\chi^2$/NDF:634225.6/21

All: 1846.844+/-0.321 $\chi^2$/NDF: 1416935.9/40

# asym_atl_avg_correction_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 5642.998+/-3910.215 $\chi^2$/NDF:0.3/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -2598.340+/-4491.850 $\chi^2$/NDF:0.1/1

Left: 2090.117+/-2949.285 $\chi^2$/NDF: 2.3/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -2598.340+/-4491.850 $\chi^2$/NDF:0.1/1

Out: 5642.998+/-3910.215 $\chi^2$/NDF:0.3/2

All: 2090.117+/-2949.285 $\chi^2$/NDF: 2.3/4

# asym_atl_avg_correction_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 5442.197+/-2.765 $\chi^2$/NDF:567.8/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 5725.723+/-3.176 $\chi^2$/NDF:14757.8/1

Left: 5564.426+/-2.085 $\chi^2$/NDF: 19858.7/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 5725.723+/-3.176 $\chi^2$/NDF:14757.8/1

Out: 5442.197+/-2.765 $\chi^2$/NDF:567.8/2

All: 5564.426+/-2.085 $\chi^2$/NDF: 19858.7/4

# asym_atl_avg_mean vs Slug, Sign Corrected

Right In: 1814.267+/-1301.312 $\chi^2$/NDF: 15.0/16

Left Out: -3621.439+/-4152.581 $\chi^2$/NDF:0.2/2

Right Out: 488.360+/-1286.073 $\chi^2$/NDF: 26.5/18

Left In: 4467.369+/-4699.167 $\chi^2$/NDF:0.0/1

Left: -74.613+/-3111.706 $\chi^2$/NDF: 1.9/4

Right: 1143.505+/-914.731 $\chi^2$/NDF: 42.0/35

In: 2003.234+/-1254.113 $\chi^2$/NDF:15.3/18

Out: 128.662+/-1228.505 $\chi^2$/NDF:27.6/21

All: 1046.614+/-877.598 $\chi^2$/NDF: 44.1/40

# asym_atl_avg_rms vs Slug, Sign Corrected

Right In: 3111.560+/-0.920 $\chi^2$/NDF: 1878991.5/16

Left Out: 5787.657+/-2.936 $\chi^2$/NDF:1348.7/2

Right Out: 3075.800+/-0.896 $\chi^2$/NDF: 2009557.4/18

Left In: 5986.911+/-3.323 $\chi^2$/NDF:13935.5/1

Left: 5875.027+/-2.200 $\chi^2$/NDF: 17303.4/4

Right: 3093.209+/-0.642 $\chi^2$/NDF: 3889323.9/35

In: 3316.354+/-0.887 $\chi^2$/NDF:2588401.2/18

Out: 3306.908+/-0.857 $\chi^2$/NDF:2791173.5/21

All: 3311.471+/-0.616 $\chi^2$/NDF: 5379633.3/40

# dit_asym_atl_dd_mean vs Slug, Sign Corrected

Right In: 232.323+/-686.786 $\chi^2$/NDF: 11.5/16

Left Out: -791.752+/-1490.018 $\chi^2$/NDF:12.4/2

Right Out: -726.169+/-684.175 $\chi^2$/NDF: 25.8/18

Left In: -1114.353+/-1579.241 $\chi^2$/NDF:0.9/1

Left: -943.682+/-1083.772 $\chi^2$/NDF: 13.3/4

Right: -248.748+/-484.705 $\chi^2$/NDF: 38.3/35

In: 18.142+/-629.808 $\chi^2$/NDF:13.0/18

Out: -737.589+/-621.762 $\chi^2$/NDF:38.2/21

All: -364.582+/-442.469 $\chi^2$/NDF: 52.0/40

# dit_asym_atl_dd_rms vs Slug, Sign Corrected

Right In: 1751.850+/-0.486 $\chi^2$/NDF: 300898.3/16

Left Out: 2076.974+/-1.054 $\chi^2$/NDF:1472.8/2

Right Out: 1780.209+/-0.483 $\chi^2$/NDF: 428327.5/18

Left In: 2017.871+/-1.117 $\chi^2$/NDF:605.9/1

Left: 2049.139+/-0.766 $\chi^2$/NDF: 3560.6/4

Right: 1766.106+/-0.342 $\chi^2$/NDF: 730940.0/35

In: 1794.159+/-0.445 $\chi^2$/NDF:349228.2/18

Out: 1831.748+/-0.439 $\chi^2$/NDF:495358.3/21

All: 1813.220+/-0.313 $\chi^2$/NDF: 848199.0/40

# asym_atl_dd_correction_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -4520.087+/-3141.485 $\chi^2$/NDF:0.4/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 1574.217+/-3634.324 $\chi^2$/NDF:0.0/1

Left: -1913.871+/-2376.658 $\chi^2$/NDF: 2.1/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 1574.217+/-3634.324 $\chi^2$/NDF:0.0/1

Out: -4520.087+/-3141.485 $\chi^2$/NDF:0.4/2

All: -1913.871+/-2376.658 $\chi^2$/NDF: 2.1/4

# asym_atl_dd_correction_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 4365.427+/-2.221 $\chi^2$/NDF:14823.0/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 4620.825+/-2.570 $\chi^2$/NDF:31347.9/1

Left: 4474.647+/-1.681 $\chi^2$/NDF: 51824.0/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 4620.825+/-2.570 $\chi^2$/NDF:31347.9/1

Out: 4365.427+/-2.221 $\chi^2$/NDF:14823.0/2

All: 4474.647+/-1.681 $\chi^2$/NDF: 51824.0/4

# asym_atl_dd_mean vs Slug, Sign Corrected

Right In: -765.107+/-1247.704 $\chi^2$/NDF: 15.5/16

Left Out: 3359.924+/-3436.187 $\chi^2$/NDF:1.6/2

Right Out: -1004.792+/-1191.116 $\chi^2$/NDF: 15.0/18

Left In: -3032.775+/-3896.267 $\chi^2$/NDF:0.0/1

Left: 563.116+/-2577.139 $\chi^2$/NDF: 3.1/4

Right: -890.508+/-861.557 $\chi^2$/NDF: 30.6/35

In: -976.022+/-1188.264 $\chi^2$/NDF:15.9/18

Out: -536.592+/-1125.419 $\chi^2$/NDF:18.0/21

All: -744.380+/-817.106 $\chi^2$/NDF: 34.0/40

# asym_atl_dd_rms vs Slug, Sign Corrected

Right In: 3105.849+/-0.882 $\chi^2$/NDF: 959826.4/16

Left Out: 4782.455+/-2.430 $\chi^2$/NDF:12676.8/2

Right Out: 3018.781+/-0.832 $\chi^2$/NDF: 794275.0/18

Left In: 4959.876+/-2.755 $\chi^2$/NDF:26684.3/1

Left: 4860.077+/-1.822 $\chi^2$/NDF: 41693.8/4

Right: 3059.752+/-0.605 $\chi^2$/NDF: 1759257.8/35

In: 3278.290+/-0.840 $\chi^2$/NDF:1397251.2/18

Out: 3203.777+/-0.787 $\chi^2$/NDF:1278567.9/21

All: 3238.596+/-0.574 $\chi^2$/NDF: 2680008.8/40

# dit_asym_atr_avg_mean vs Slug, Sign Corrected

Right In: 2978.445+/-795.398 $\chi^2$/NDF: 9.9/16

Left Out: 1473.815+/-1556.256 $\chi^2$/NDF:1.5/2

Right Out: 2613.881+/-783.228 $\chi^2$/NDF: 19.6/18

Left In: 5982.389+/-1630.760 $\chi^2$/NDF:0.2/1

Left: 3622.761+/-1125.857 $\chi^2$/NDF: 5.7/4

Right: 2793.353+/-558.079 $\chi^2$/NDF: 29.6/35

In: 3555.738+/-714.895 $\chi^2$/NDF:12.8/18

Out: 2383.476+/-699.621 $\chi^2$/NDF:21.6/21

All: 2956.950+/-500.019 $\chi^2$/NDF: 35.7/40

# dit_asym_atr_avg_rms vs Slug, Sign Corrected

Right In: 2012.945+/-0.562 $\chi^2$/NDF: 617707.4/16

Left Out: 2174.913+/-1.100 $\chi^2$/NDF:67.0/2

Right Out: 2025.070+/-0.554 $\chi^2$/NDF: 597422.5/18

Left In: 2088.793+/-1.153 $\chi^2$/NDF:88.9/1

Left: 2133.865+/-0.796 $\chi^2$/NDF: 3075.1/4

Right: 2019.103+/-0.395 $\chi^2$/NDF: 1215366.0/35

In: 2027.521+/-0.506 $\chi^2$/NDF:621291.3/18

Out: 2055.337+/-0.495 $\chi^2$/NDF:612285.7/21

All: 2041.733+/-0.354 $\chi^2$/NDF: 1235124.0/40

# asym_atr_avg_correction_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 5002.151+/-3395.066 $\chi^2$/NDF:0.2/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -2507.344+/-3904.149 $\chi^2$/NDF:0.2/1

Left: 1768.617+/-2561.885 $\chi^2$/NDF: 2.5/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -2507.344+/-3904.149 $\chi^2$/NDF:0.2/1

Out: 5002.151+/-3395.066 $\chi^2$/NDF:0.2/2

All: 1768.617+/-2561.885 $\chi^2$/NDF: 2.5/4

# asym_atr_avg_correction_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 4719.549+/-2.401 $\chi^2$/NDF:8923.2/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 4965.281+/-2.761 $\chi^2$/NDF:29717.9/1

Left: 4825.360+/-1.812 $\chi^2$/NDF: 43152.7/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 4965.281+/-2.761 $\chi^2$/NDF:29717.9/1

Out: 4719.549+/-2.401 $\chi^2$/NDF:8923.2/2

All: 4825.360+/-1.812 $\chi^2$/NDF: 43152.7/4

# asym_atr_avg_mean vs Slug, Sign Corrected

Right In: 4198.770+/-1857.803 $\chi^2$/NDF: 14.1/16

Left Out: -4317.249+/-3658.292 $\chi^2$/NDF:0.1/2

Right Out: 4023.682+/-1725.187 $\chi^2$/NDF: 14.8/18

Left In: 8648.166+/-4147.059 $\chi^2$/NDF:0.2/1

Left: 1356.743+/-2743.414 $\chi^2$/NDF: 5.8/4

Right: 4104.755+/-1264.177 $\chi^2$/NDF: 29.0/35

In: 4942.457+/-1695.449 $\chi^2$/NDF:15.3/18

Out: 2506.211+/-1560.383 $\chi^2$/NDF:19.2/21

All: 3623.442+/-1148.142 $\chi^2$/NDF: 35.5/40

# asym_atr_avg_rms vs Slug, Sign Corrected

Right In: 4667.470+/-1.314 $\chi^2$/NDF: 777857.9/16

Left Out: 5094.366+/-2.587 $\chi^2$/NDF:9982.7/2

Right Out: 4360.582+/-1.213 $\chi^2$/NDF: 832745.2/18

Left In: 5281.041+/-2.932 $\chi^2$/NDF:24557.2/1

Left: 5176.059+/-1.940 $\chi^2$/NDF: 36818.9/4

Right: 4501.800+/-0.891 $\chi^2$/NDF: 1640064.7/35

In: 4770.025+/-1.199 $\chi^2$/NDF:838877.8/18

Out: 4492.820+/-1.098 $\chi^2$/NDF:908692.3/21

All: 4619.290+/-0.810 $\chi^2$/NDF: 1776642.1/40

# dit_asym_atr_dd_mean vs Slug, Sign Corrected

Right In: -1027.051+/-796.597 $\chi^2$/NDF: 13.1/16

Left Out: 626.191+/-1490.678 $\chi^2$/NDF:1.1/2

Right Out: 428.488+/-760.817 $\chi^2$/NDF: 10.8/18

Left In: 620.236+/-1581.377 $\chi^2$/NDF:0.4/1

Left: 623.389+/-1084.716 $\chi^2$/NDF: 1.6/4

Right: -265.860+/-550.193 $\chi^2$/NDF: 25.6/35

In: -693.652+/-711.431 $\chi^2$/NDF:14.4/18

Out: 469.345+/-677.657 $\chi^2$/NDF:11.9/21

All: -83.894+/-490.682 $\chi^2$/NDF: 27.7/40

# dit_asym_atr_dd_rms vs Slug, Sign Corrected

Right In: 2013.270+/-0.563 $\chi^2$/NDF: 650048.6/16

Left Out: 2083.630+/-1.054 $\chi^2$/NDF:83.8/2

Right Out: 1977.545+/-0.537 $\chi^2$/NDF: 294899.1/18

Left In: 2026.088+/-1.118 $\chi^2$/NDF:42.6/1

Left: 2056.557+/-0.767 $\chi^2$/NDF: 1528.6/4

Right: 1994.568+/-0.389 $\chi^2$/NDF: 947053.5/35

In: 2015.864+/-0.503 $\chi^2$/NDF:650196.1/18

Out: 1999.431+/-0.479 $\chi^2$/NDF:303022.4/21

All: 2007.242+/-0.347 $\chi^2$/NDF: 953778.3/40

# asym_atr_dd_correction_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -3952.055+/-2688.549 $\chi^2$/NDF:0.2/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 2267.689+/-3147.727 $\chi^2$/NDF:0.3/1

Left: -1328.520+/-2044.345 $\chi^2$/NDF: 2.7/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 2267.689+/-3147.727 $\chi^2$/NDF:0.3/1

Out: -3952.055+/-2688.549 $\chi^2$/NDF:0.2/2

All: -1328.520+/-2044.345 $\chi^2$/NDF: 2.7/4

# asym_atr_dd_correction_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 3732.590+/-1.901 $\chi^2$/NDF:16323.3/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 3999.801+/-2.226 $\chi^2$/NDF:36502.8/1

Left: 3845.302+/-1.446 $\chi^2$/NDF: 61159.5/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 3999.801+/-2.226 $\chi^2$/NDF:36502.8/1

Out: 3732.590+/-1.901 $\chi^2$/NDF:16323.3/2

All: 3845.302+/-1.446 $\chi^2$/NDF: 61159.5/4

# asym_atr_dd_mean vs Slug, Sign Corrected

Right In: -2462.254+/-1797.293 $\chi^2$/NDF: 20.8/16

Left Out: 5023.455+/-3020.020 $\chi^2$/NDF:0.8/2

Right Out: -666.170+/-1689.812 $\chi^2$/NDF: 11.9/18

Left In: -2420.359+/-3466.238 $\chi^2$/NDF:0.0/1

Left: 1811.228+/-2277.004 $\chi^2$/NDF: 3.5/4

Right: -1508.905+/-1231.122 $\chi^2$/NDF: 33.3/35

In: -2453.377+/-1595.558 $\chi^2$/NDF:20.9/18

Out: 690.421+/-1474.662 $\chi^2$/NDF:15.4/21

All: -757.877+/-1082.964 $\chi^2$/NDF: 38.4/40

# asym_atr_dd_rms vs Slug, Sign Corrected

Right In: 4518.684+/-1.271 $\chi^2$/NDF: 770226.9/16

Left Out: 4204.512+/-2.135 $\chi^2$/NDF:12526.4/2

Right Out: 4296.379+/-1.188 $\chi^2$/NDF: 771702.5/18

Left In: 4417.463+/-2.451 $\chi^2$/NDF:24469.6/1

Left: 4296.407+/-1.610 $\chi^2$/NDF: 41287.2/4

Right: 4400.071+/-0.868 $\chi^2$/NDF: 1558255.2/35

In: 4497.236+/-1.128 $\chi^2$/NDF:796040.6/18

Out: 4274.660+/-1.038 $\chi^2$/NDF:785642.0/21

All: 4376.729+/-0.764 $\chi^2$/NDF: 1602754.4/40

dit_asym_atl_avg_atr_avg_avg_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 2597.659+/-1206.068 $\chi^2$/NDF:5.2/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 3633.869+/-1235.442 $\chi^2$/NDF:0.0/1

Left: 3103.299+/-863.017 $\chi^2$/NDF: 5.6/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 3633.869+/-1235.442 $\chi^2$/NDF:0.0/1

Out: 2597.659+/-1206.068 $\chi^2$/NDF:5.2/2

All: 3103.299+/-863.017 $\chi^2$/NDF: 5.6/4

dit_asym_atl_avg_atr_avg_avg_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 1681.057+/-0.853 $\chi^2$/NDF:811.7/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 1578.613+/-0.874 $\chi^2$/NDF:328.2/1

Left: 1631.067+/-0.610 $\chi^2$/NDF: 8181.3/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 1578.613+/-0.874 $\chi^2$/NDF:328.2/1

Out: 1681.057+/-0.853 $\chi^2$/NDF:811.7/2

All: 1631.067+/-0.610 $\chi^2$/NDF: 8181.3/4

asym_atl_avg_atr_avg_avg_correction_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 5322.858+/-3653.152 $\chi^2$/NDF:0.2/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -2560.003+/-4197.399 $\chi^2$/NDF:0.1/1

Left: 1925.300+/-2755.635 $\chi^2$/NDF: 2.4/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -2560.003+/-4197.399 $\chi^2$/NDF:0.1/1

Out: 5322.858+/-3653.152 $\chi^2$/NDF:0.2/2

All: 1925.300+/-2755.635 $\chi^2$/NDF: 2.4/4

asym_atl_avg_atr_avg_avg_correction_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 5082.499+/-2.583 $\chi^2$/NDF:3038.3/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 5345.255+/-2.968 $\chi^2$/NDF:21084.3/1

Left: 5195.748+/-1.949 $\chi^2$/NDF: 28582.1/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 5345.255+/-2.968 $\chi^2$/NDF:21084.3/1

Out: 5082.499+/-2.583 $\chi^2$/NDF:3038.3/2

All: 5195.748+/-1.949 $\chi^2$/NDF: 28582.1/4

# asym_atl_avg_atr_avg_avg_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -4200.118+/-3766.986 $\chi^2$/NDF:0.2/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 6595.460+/-4280.693 $\chi^2$/NDF:0.1/1

Left: 511.353+/-2827.935 $\chi^2$/NDF: 3.9/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 6595.460+/-4280.693 $\chi^2$/NDF:0.1/1

Out: -4200.118+/-3766.986 $\chi^2$/NDF:0.2/2

All: 511.353+/-2827.935 $\chi^2$/NDF: 3.9/4

# asym_atl_avg_atr_avg_avg_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 5247.504+/-2.664 $\chi^2$/NDF:5223.6/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 5449.391+/-3.027 $\chi^2$/NDF:21450.5/1

Left: 5335.613+/-2.000 $\chi^2$/NDF: 29181.2/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 5449.391+/-3.027 $\chi^2$/NDF:21450.5/1

Out: 5247.504+/-2.664 $\chi^2$/NDF:5223.6/2

All: 5335.613+/-2.000 $\chi^2$/NDF: 29181.2/4

dit_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 810.751+/-1000.330 $\chi^2$/NDF:0.7/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -2395.856+/-1078.047 $\chi^2$/NDF:0.4/1

Left: -672.814+/-733.277 $\chi^2$/NDF: 5.8/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -2395.856+/-1078.047 $\chi^2$/NDF:0.4/1

Out: 810.751+/-1000.330 $\chi^2$/NDF:0.7/2

All: -672.814+/-733.277 $\chi^2$/NDF: 5.8/4

dit_asym_atl_avg_atr_avg_dd_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 1394.812+/-0.707 $\chi^2$/NDF:1910.6/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 1378.920+/-0.762 $\chi^2$/NDF:154.4/1

Left: 1387.460+/-0.519 $\chi^2$/NDF: 2298.6/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 1378.920+/-0.762 $\chi^2$/NDF:154.4/1

Out: 1394.812+/-0.707 $\chi^2$/NDF:1910.6/2

All: 1387.460+/-0.519 $\chi^2$/NDF: 2298.6/4

asym_atl_avg_atr_avg_dd_correction_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 336.247+/-258.509 $\chi^2$/NDF:1.3/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 42.968+/-307.838 $\chi^2$/NDF:0.3/1

Left: 214.960+/-197.965 $\chi^2$/NDF: 2.1/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 42.968+/-307.838 $\chi^2$/NDF:0.3/1

Out: 336.247+/-258.509 $\chi^2$/NDF:1.3/2

All: 214.960+/-197.965 $\chi^2$/NDF: 2.1/4

asym_atl_avg_atr_avg_dd_correction_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 351.957+/-0.183 $\chi^2$/NDF:177466.1/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 391.912+/-0.218 $\chi^2$/NDF:23761.7/1

Left: 368.480+/-0.140 $\chi^2$/NDF: 220985.8/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 391.912+/-0.218 $\chi^2$/NDF:23761.7/1

Out: 351.957+/-0.183 $\chi^2$/NDF:177466.1/2

All: 368.480+/-0.140 $\chi^2$/NDF: 220985.8/4

asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 415.520+/-1038.706 $\chi^2$/NDF:0.3/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -2322.737+/-1124.055 $\chi^2$/NDF:0.5/1

Left: -845.716+/-762.867 $\chi^2$/NDF: 4.0/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -2322.737+/-1124.055 $\chi^2$/NDF:0.5/1

Out: 415.520+/-1038.706 $\chi^2$/NDF:0.3/2

All: -845.716+/-762.867 $\chi^2$/NDF: 4.0/4

# asym_atl_avg_atr_avg_dd_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 1448.290+/-0.734 $\chi^2$/NDF:4086.4/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 1437.596+/-0.795 $\chi^2$/NDF:410.3/1

Left: 1443.364+/-0.539 $\chi^2$/NDF: 4594.3/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 1437.596+/-0.795 $\chi^2$/NDF:410.3/1

Out: 1448.290+/-0.734 $\chi^2$/NDF:4086.4/2

All: 1443.364+/-0.539 $\chi^2$/NDF: 4594.3/4

dit_asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected

Right In: -174.841+/-554.659 $\chi^2$/NDF: 11.8/16

Left Out: -181.617+/-1123.976 $\chi^2$/NDF:5.9/2

Right Out: -164.937+/-540.101 $\chi^2$/NDF: 20.7/18

Left In: -277.812+/-1171.596 $\chi^2$/NDF:1.0/1

Left: -227.719+/-811.083 $\chi^2$/NDF: 6.9/4

Right: -169.758+/-386.953 $\chi^2$/NDF: 32.4/35

In: -193.694+/-501.317 $\chi^2$/NDF:12.8/18

Out: -168.066+/-486.813 $\chi^2$/NDF:26.5/21

All: -180.504+/-349.244 $\chi^2$/NDF: 39.3/40

# dit_asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected

Right In: 1402.709+/-0.392 $\chi^2$/NDF: 526326.4/16

Left Out: 1567.105+/-0.795 $\chi^2$/NDF:726.8/2

Right Out: 1397.442+/-0.382 $\chi^2$/NDF: 353365.4/18

Left In: 1498.326+/-0.828 $\chi^2$/NDF:102.8/1

Left: 1534.142+/-0.574 $\chi^2$/NDF: 4418.9/4

Right: 1400.004+/-0.274 $\chi^2$/NDF: 879784.5/35

In: 1420.215+/-0.354 $\chi^2$/NDF:537311.5/18

Out: 1429.240+/-0.344 $\chi^2$/NDF:391122.7/21

All: 1424.862+/-0.247 $\chi^2$/NDF: 928768.0/40

asym_atl_dd_atr_dd_avg_correction_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -4241.416+/-2886.691 $\chi^2$/NDF:0.1/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 1925.940+/-3357.479 $\chi^2$/NDF:0.1/1

Left: -1620.106+/-2188.885 $\chi^2$/NDF: 2.2/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 1925.940+/-3357.479 $\chi^2$/NDF:0.1/1

Out: -4241.416+/-2886.691 $\chi^2$/NDF:0.1/2

All: -1620.106+/-2188.885 $\chi^2$/NDF: 2.2/4

asym_atl_dd_atr_dd_avg_correction_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 4009.709+/-2.041 $\chi^2$/NDF:15295.6/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 4268.083+/-2.374 $\chi^2$/NDF:32991.2/1

Left: 4119.526+/-1.548 $\chi^2$/NDF: 55096.8/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 4268.083+/-2.374 $\chi^2$/NDF:32991.2/1

Out: 4009.709+/-2.041 $\chi^2$/NDF:15295.6/2

All: 4119.526+/-1.548 $\chi^2$/NDF: 55096.8/4

# asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected

Right In: -1487.038+/-1499.116 $\chi^2$/NDF: 16.7/16

Left Out: 4126.379+/-3037.328 $\chi^2$/NDF:0.4/2

Right Out: -894.160+/-1378.910 $\chi^2$/NDF: 14.1/18

Left In: -2674.503+/-3481.723 $\chi^2$/NDF:0.0/1

Left: 1187.400+/-2288.810 $\chi^2$/NDF: 2.5/4

Right: -1165.879+/-1014.876 $\chi^2$/NDF: 30.9/35

In: -1672.751+/-1376.908 $\chi^2$/NDF:16.8/18

Out: -36.226+/-1255.577 $\chi^2$/NDF:16.8/21

All: -779.221+/-927.762 $\chi^2$/NDF: 34.3/40

# asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected

Right In: 3825.844+/-1.060 $\chi^2$/NDF: 334404.3/16

Left Out: 4225.887+/-2.148 $\chi^2$/NDF:15506.6/2

Right Out: 3528.289+/-0.966 $\chi^2$/NDF: 555414.1/18

Left In: 4430.246+/-2.462 $\chi^2$/NDF:30571.6/1

Left: 4314.200+/-1.618 $\chi^2$/NDF: 49990.8/4

Right: 3663.316+/-0.714 $\chi^2$/NDF: 932858.8/35

In: 3920.365+/-0.974 $\chi^2$/NDF:415819.5/18

Out: 3645.704+/-0.881 $\chi^2$/NDF:658664.7/21

All: 3769.373+/-0.653 $\chi^2$/NDF: 1118235.3/40

dit_asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected

Right In: 411.419+/-527.980 $\chi^2$/NDF: 16.5/16

Left Out: -533.301+/-988.639 $\chi^2$/NDF:8.3/2

Right Out: -682.176+/-510.196 $\chi^2$/NDF: 18.0/18

Left In: -824.724+/-1064.823 $\chi^2$/NDF:0.0/1

Left: -668.215+/-724.511 $\chi^2$/NDF: 8.3/4

Right: -154.107+/-366.889 $\chi^2$/NDF: 36.8/35

In: 167.480+/-473.025 $\chi^2$/NDF:17.6/18

Out: -650.866+/-453.384 $\chi^2$/NDF:26.3/21

All: -259.035+/-327.314 $\chi^2$/NDF: 45.5/40

dit_asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected

Right In: 1330.889+/-0.373 $\chi^2$/NDF: 603474.5/16

Left Out: 1378.401+/-0.699 $\chi^2$/NDF:1832.6/2

Right Out: 1322.706+/-0.361 $\chi^2$/NDF: 394413.6/18

Left In: 1362.088+/-0.753 $\chi^2$/NDF:226.3/1

Left: 1370.849+/-0.512 $\chi^2$/NDF: 2311.0/4

Right: 1326.657+/-0.259 $\chi^2$/NDF: 998136.6/35

In: 1337.046+/-0.334 $\chi^2$/NDF:605078.8/18

Out: 1334.419+/-0.321 $\chi^2$/NDF:401258.6/21

All: 1335.677+/-0.231 $\chi^2$/NDF: 1006369.6/40

asym_atl_dd_atr_dd_dd_correction_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -222.625+/-463.081 $\chi^2$/NDF:7.1/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -260.072+/-532.937 $\chi^2$/NDF:0.8/1

Left: -238.735+/-349.555 $\chi^2$/NDF: 7.9/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -260.072+/-532.937 $\chi^2$/NDF:0.8/1

Out: -222.625+/-463.081 $\chi^2$/NDF:7.1/2

All: -238.735+/-349.555 $\chi^2$/NDF: 7.9/4

asym_atl_dd_atr_dd_dd_correction_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 643.239+/-0.327 $\chi^2$/NDF:24344.0/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 674.890+/-0.377 $\chi^2$/NDF:59862.5/1

Left: 656.856+/-0.247 $\chi^2$/NDF: 88226.1/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 674.890+/-0.377 $\chi^2$/NDF:59862.5/1

Out: 643.239+/-0.327 $\chi^2$/NDF:24344.0/2

All: 656.856+/-0.247 $\chi^2$/NDF: 88226.1/4

# asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected

Right In: -2.204+/-745.061 $\chi^2$/NDF: 23.5/16

Left Out: -335.111+/-1099.601 $\chi^2$/NDF:7.6/2

Right Out: -345.148+/-733.723 $\chi^2$/NDF: 10.7/18

Left In: -523.170+/-1197.843 $\chi^2$/NDF:0.3/1

Left: -421.114+/-810.044 $\chi^2$/NDF: 8.0/4

Right: -176.305+/-522.783 $\chi^2$/NDF: 34.3/35

In: -147.533+/-632.661 $\chi^2$/NDF:24.0/18

Out: -342.056+/-610.326 $\chi^2$/NDF:18.4/21

All: -248.289+/-439.250 $\chi^2$/NDF: 42.4/40

# asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected

Right In: 1888.810+/-0.527 $\chi^2$/NDF: 465842.8/16

Left Out: 1534.217+/-0.778 $\chi^2$/NDF:23.7/2

Right Out: 1901.248+/-0.519 $\chi^2$/NDF: 461424.3/18

Left In: 1532.177+/-0.847 $\chi^2$/NDF:1940.8/1

Left: 1533.284+/-0.573 $\chi^2$/NDF: 1967.6/4

Right: 1895.125+/-0.370 $\chi^2$/NDF: 927550.0/35

In: 1789.325+/-0.447 $\chi^2$/NDF:595614.1/18

Out: 1788.178+/-0.432 $\chi^2$/NDF:615628.3/21

All: 1788.731+/-0.311 $\chi^2$/NDF: 1211245.8/40

# dit_asym_atl1_mean vs Slug, Sign Corrected

Right In: 2227.517+/-1039.288 $\chi^2$/NDF: 13.6/16

Left Out: 3000.446+/-1785.686 $\chi^2$/NDF:4.1/2

Right Out: 907.837+/-1046.878 $\chi^2$/NDF: 22.9/18

Left In: -13.584+/-1944.738 $\chi^2$/NDF:0.1/1

Left: 1621.705+/-1315.311 $\chi^2$/NDF: 5.5/4

Right: 1572.479+/-737.556 $\chi^2$/NDF: 37.3/35

In: 1729.657+/-916.608 $\chi^2$/NDF:14.7/18

Out: 1443.100+/-903.118 $\chi^2$/NDF:28.0/21

All: 1584.255+/-643.318 $\chi^2$/NDF: 42.8/40

# dit_asym_atl1_rms vs Slug, Sign Corrected

Right In: 2627.570+/-0.735 $\chi^2$/NDF: 644396.7/16

Left Out: 2491.791+/-1.263 $\chi^2$/NDF:297.2/2

Right Out: 2731.271+/-0.740 $\chi^2$/NDF: 598207.5/18

Left In: 2487.657+/-1.375 $\chi^2$/NDF:13.4/1

Left: 2489.900+/-0.930 $\chi^2$/NDF: 315.5/4

Right: 2679.043+/-0.522 $\chi^2$/NDF: 1252488.0/35

In: 2596.488+/-0.648 $\chi^2$/NDF:652462.4/18

Out: 2670.015+/-0.639 $\chi^2$/NDF:625275.1/21

All: 2633.797+/-0.455 $\chi^2$/NDF: 1284267.5/40

# asym_atl1_correction_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 1088.992+/-771.766 $\chi^2$/NDF:0.7/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -1091.664+/-918.390 $\chi^2$/NDF:0.5/1

Left: 186.427+/-590.844 $\chi^2$/NDF: 4.5/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -1091.664+/-918.390 $\chi^2$/NDF:0.5/1

Out: 1088.992+/-771.766 $\chi^2$/NDF:0.7/2

All: 186.427+/-590.844 $\chi^2$/NDF: 4.5/4

# asym_atl1_correction_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 1052.682+/-0.546 $\chi^2$/NDF:144134.2/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 1173.052+/-0.649 $\chi^2$/NDF:4106.4/1

Left: 1102.503+/-0.418 $\chi^2$/NDF: 168377.1/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 1173.052+/-0.649 $\chi^2$/NDF:4106.4/1

Out: 1052.682+/-0.546 $\chi^2$/NDF:144134.2/2

All: 1102.503+/-0.418 $\chi^2$/NDF: 168377.1/4

# asym_atl1_mean vs Slug, Sign Corrected

Right In: 2037.803+/-1151.419 $\chi^2$/NDF: 14.8/16

Left Out: 1661.744+/-1964.478 $\chi^2$/NDF:4.3/2

Right Out: 1080.125+/-1186.666 $\chi^2$/NDF: 25.3/18

Left In: 1079.210+/-2151.236 $\chi^2$/NDF:0.2/1

Left: 1396.856+/-1450.636 $\chi^2$/NDF: 4.6/4

Right: 1573.398+/-826.356 $\chi^2$/NDF: 40.5/35

In: 1824.340+/-1015.155 $\chi^2$/NDF:15.2/18

Out: 1235.616+/-1015.733 $\chi^2$/NDF:29.7/21

All: 1530.145+/-718.027 $\chi^2$/NDF: 45.1/40

# asym_atl1_rms vs Slug, Sign Corrected

Right In: 2909.732+/-0.814 $\chi^2$/NDF: 641894.7/16

Left Out: 2739.876+/-1.389 $\chi^2$/NDF:3672.5/2

Right Out: 3039.118+/-0.839 $\chi^2$/NDF: 1011306.5/18

Left In: 2750.118+/-1.521 $\chi^2$/NDF:263.5/1

Left: 2744.533+/-1.026 $\chi^2$/NDF: 3960.7/4

Right: 2972.475+/-0.584 $\chi^2$/NDF: 1665447.8/35

In: 2874.189+/-0.718 $\chi^2$/NDF:650716.7/18

Out: 2959.118+/-0.718 $\chi^2$/NDF:1048979.3/21

All: 2916.629+/-0.508 $\chi^2$/NDF: 1706691.3/40

# dit_asym_atl2_mean vs Slug, Sign Corrected

Right In: 1451.980+/-889.008 $\chi^2$/NDF: 7.4/16

Left Out: 4125.795+/-2458.278 $\chi^2$/NDF:11.1/2

Right Out: 1969.182+/-850.490 $\chi^2$/NDF: 22.4/18

Left In: 2077.859+/-2557.888 $\chi^2$/NDF:0.8/1

Left: 3142.478+/-1772.434 $\chi^2$/NDF: 12.2/4

Right: 1722.028+/-614.553 $\chi^2$/NDF: 30.0/35

In: 1519.435+/-839.736 $\chi^2$/NDF:8.2/18

Out: 2199.723+/-803.747 $\chi^2$/NDF:34.1/21

All: 1874.469+/-580.641 $\chi^2$/NDF: 42.7/40

# dit_asym_atl2_rms vs Slug, Sign Corrected

Right In: 2223.132+/-0.629 $\chi^2$/NDF: 850289.4/16

Left Out: 3431.341+/-1.738 $\chi^2$/NDF:3063.2/2

Right Out: 2198.760+/-0.601 $\chi^2$/NDF: 602418.1/18

Left In: 3267.294+/-1.809 $\chi^2$/NDF:2049.0/1

Left: 3352.574+/-1.253 $\chi^2$/NDF: 9388.6/4

Right: 2210.398+/-0.434 $\chi^2$/NDF: 1453492.9/35

In: 2335.667+/-0.594 $\chi^2$/NDF:1149694.5/18

Out: 2330.352+/-0.568 $\chi^2$/NDF:1054605.5/21

All: 2332.892+/-0.410 $\chi^2$/NDF: 2204341.9/40

# asym_atl2_correction_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 10162.522+/-7053.152 $\chi^2$/NDF:0.3/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -4157.984+/-8120.466 $\chi^2$/NDF:0.1/1

Left: 4004.615+/-5324.984 $\chi^2$/NDF: 2.2/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -4157.984+/-8120.466 $\chi^2$/NDF:0.1/1

Out: 10162.522+/-7053.152 $\chi^2$/NDF:0.3/2

All: 4004.615+/-5324.984 $\chi^2$/NDF: 2.2/4

# asym_atl2_correction_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 9813.514+/-4.987 $\chi^2$/NDF:3892.6/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 10340.453+/-5.742 $\chi^2$/NDF:21407.9/1

Left: 10040.101+/-3.765 $\chi^2$/NDF: 30100.8/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 10340.453+/-5.742 $\chi^2$/NDF:21407.9/1

Out: 9813.514+/-4.987 $\chi^2$/NDF:3892.6/2

All: 10040.101+/-3.765 $\chi^2$/NDF: 30100.8/4

# asym_atl2_mean vs Slug, Sign Corrected

Right In: 3859.866+/-2508.782 $\chi^2$/NDF: 14.8/16

Left Out: -6561.913+/-7325.137 $\chi^2$/NDF:0.5/2

Right Out: 2482.925+/-2421.310 $\chi^2$/NDF: 20.0/18

Left In: 7361.820+/-8345.251 $\chi^2$/NDF:0.0/1

Left: -502.631+/-5505.188 $\chi^2$/NDF: 2.0/4

Right: 3146.972+/-1742.228 $\chi^2$/NDF: 35.0/35

In: 4150.122+/-2402.565 $\chi^2$/NDF:14.9/18

Out: 1592.011+/-2298.970 $\chi^2$/NDF:21.9/21

All: 2814.728+/-1661.033 $\chi^2$/NDF: 37.4/40

# asym_atl2_rms vs Slug, Sign Corrected

Right In: 6330.291+/-1.774 $\chi^2$/NDF: 593395.6/16

Left Out: 10201.801+/-5.180 $\chi^2$/NDF:5470.3/2

Right Out: 6253.330+/-1.712 $\chi^2$/NDF: 535355.5/18

Left In: 10625.001+/-5.901 $\chi^2$/NDF:21077.6/1

Left: 10385.968+/-3.893 $\chi^2$/NDF: 29453.0/4

Right: 6290.444+/-1.232 $\chi^2$/NDF: 1129725.5/35

In: 6686.251+/-1.699 $\chi^2$/NDF:1100257.5/18

Out: 6642.221+/-1.626 $\chi^2$/NDF:1064699.0/21

All: 6663.266+/-1.174 $\chi^2$/NDF: 2165307.1/40

# dit_asym_atr1_mean vs Slug, Sign Corrected

Right In: 2005.383+/-1134.240 $\chi^2$/NDF: 12.1/16

Left Out: 2327.022+/-2020.083 $\chi^2$/NDF:0.6/2

Right Out: 2781.006+/-1086.164 $\chi^2$/NDF: 9.9/18

Left In: 6433.138+/-2196.790 $\chi^2$/NDF:0.6/1

Left: 4208.316+/-1486.967 $\chi^2$/NDF: 3.1/4

Right: 2409.980+/-784.479 $\chi^2$/NDF: 22.2/35

In: 2937.311+/-1007.832 $\chi^2$/NDF:15.8/18

Out: 2679.192+/-956.647 $\chi^2$/NDF:10.5/21

All: 2801.531+/-693.841 $\chi^2$/NDF: 26.4/40

# dit_asym_atr1_rms vs Slug, Sign Corrected

Right In: 2869.197+/-0.802 $\chi^2$/NDF: 669900.5/16

Left Out: 2825.453+/-1.428 $\chi^2$/NDF:6.9/2

Right Out: 2841.561+/-0.768 $\chi^2$/NDF: 312523.0/18

Left In: 2814.884+/-1.553 $\chi^2$/NDF:26.0/1

Left: 2820.611+/-1.051 $\chi^2$/NDF: 58.0/4

Right: 2854.781+/-0.555 $\chi^2$/NDF: 983042.8/35

In: 2857.765+/-0.713 $\chi^2$/NDF:670891.7/18

Out: 2837.948+/-0.676 $\chi^2$/NDF:312628.5/21

All: 2847.341+/-0.491 $\chi^2$/NDF: 983927.0/40

# asym_atr1_correction_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 823.591+/-809.452 $\chi^2$/NDF:2.6/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -208.923+/-895.130 $\chi^2$/NDF:0.0/1

Left: 359.101+/-600.380 $\chi^2$/NDF: 3.3/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -208.923+/-895.130 $\chi^2$/NDF:0.0/1

Out: 823.591+/-809.452 $\chi^2$/NDF:2.6/2

All: 359.101+/-600.380 $\chi^2$/NDF: 3.3/4

# asym_atr1_correction_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 1122.754+/-0.572 $\chi^2$/NDF:34566.6/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 1139.359+/-0.633 $\chi^2$/NDF:20666.1/1

Left: 1130.224+/-0.425 $\chi^2$/NDF: 55611.4/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 1139.359+/-0.633 $\chi^2$/NDF:20666.1/1

Out: 1122.754+/-0.572 $\chi^2$/NDF:34566.6/2

All: 1130.224+/-0.425 $\chi^2$/NDF: 55611.4/4

# asym_atr1_mean vs Slug, Sign Corrected

Right In: 2330.134+/-1156.555 $\chi^2$/NDF: 14.4/16

Left Out: 1178.312+/-2179.832 $\chi^2$/NDF:1.0/2

Right Out: 2403.750+/-1110.093 $\chi^2$/NDF: 10.1/18

Left In: 6610.312+/-2375.118 $\chi^2$/NDF:0.4/1

Left: 3661.852+/-1605.982 $\chi^2$/NDF: 4.3/4

Right: 2368.450+/-800.876 $\chi^2$/NDF: 24.5/35

In: 3150.510+/-1039.826 $\chi^2$/NDF:17.4/18

Out: 2151.390+/-989.208 $\chi^2$/NDF:11.4/21

All: 2626.040+/-716.702 $\chi^2$/NDF: 29.2/40

# asym_atr1_rms vs Slug, Sign Corrected

Right In: 2926.610+/-0.818 $\chi^2$/NDF: 662794.4/16

Left Out: 3048.595+/-1.541 $\chi^2$/NDF:203.0/2

Right Out: 2900.827+/-0.785 $\chi^2$/NDF: 169866.6/18

Left In: 3042.180+/-1.679 $\chi^2$/NDF:961.7/1

Left: 3045.662+/-1.136 $\chi^2$/NDF: 1172.6/4

Right: 2913.190+/-0.566 $\chi^2$/NDF: 833178.3/35

In: 2948.762+/-0.735 $\chi^2$/NDF:667583.7/18

Out: 2931.257+/-0.699 $\chi^2$/NDF:177367.5/21

All: 2939.573+/-0.507 $\chi^2$/NDF: 845248.8/40

# dit_asym_atr2_mean vs Slug, Sign Corrected

Right In: 3645.268+/-1091.486 $\chi^2$/NDF: 9.9/16

Left Out: 840.859+/-2265.858 $\chi^2$/NDF:2.0/2

Right Out: 2295.846+/-1046.865 $\chi^2$/NDF: 18.4/18

Left In: 5277.765+/-2341.300 $\chi^2$/NDF:0.0/1

Left: 2986.677+/-1628.221 $\chi^2$/NDF: 3.9/4

Right: 2942.410+/-755.528 $\chi^2$/NDF: 29.1/35

In: 3936.719+/-989.268 $\chi^2$/NDF:10.3/18

Out: 2039.899+/-950.338 $\chi^2$/NDF:20.7/21

All: 2950.253+/-685.340 $\chi^2$/NDF: 32.9/40

# dit_asym_atr2_rms vs Slug, Sign Corrected

Right In: 2774.617+/-0.772 $\chi^2$/NDF: 501680.3/16

Left Out: 3166.654+/-1.602 $\chi^2$/NDF:70.0/2

Right Out: 2692.509+/-0.740 $\chi^2$/NDF: 780267.3/18

Left In: 2997.853+/-1.656 $\chi^2$/NDF:415.9/1

Left: 3085.017+/-1.151 $\chi^2$/NDF: 5854.2/4

Right: 2731.837+/-0.534 $\chi^2$/NDF: 1287844.4/35

In: 2814.472+/-0.700 $\chi^2$/NDF:517032.2/18

Out: 2775.872+/-0.672 $\chi^2$/NDF:852516.4/21

All: 2794.392+/-0.485 $\chi^2$/NDF: 1371132.6/40

# asym_atr2_correction_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 8994.532+/-6071.688 $\chi^2$/NDF:0.1/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -4779.748+/-7035.920 $\chi^2$/NDF:0.2/1

Left: 3115.213+/-4596.740 $\chi^2$/NDF: 2.6/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -4779.748+/-7035.920 $\chi^2$/NDF:0.2/1

Out: 8994.532+/-6071.688 $\chi^2$/NDF:0.1/2

All: 3115.213+/-4596.740 $\chi^2$/NDF: 2.6/4

# asym_atr2_correction_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 8436.877+/-4.293 $\chi^2$/NDF:10951.2/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 8945.118+/-4.975 $\chi^2$/NDF:32543.3/1

Left: 8653.811+/-3.250 $\chi^2$/NDF: 49476.0/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 8945.118+/-4.975 $\chi^2$/NDF:32543.3/1

Out: 8436.877+/-4.293 $\chi^2$/NDF:10951.2/2

All: 8653.811+/-3.250 $\chi^2$/NDF: 49476.0/4

# asym_atr2_mean vs Slug, Sign Corrected

Right In: 6767.402+/-3387.139 $\chi^2$/NDF: 15.3/16

Left Out: -9516.738+/-6321.504 $\chi^2$/NDF:0.4/2

Right Out: 5041.440+/-3167.616 $\chi^2$/NDF: 13.6/18

Left In: 11023.672+/-7253.222 $\chi^2$/NDF:0.1/1

Left: -649.740+/-4765.569 $\chi^2$/NDF: 5.0/4

Right: 5846.682+/-2313.559 $\chi^2$/NDF: 29.1/35

In: 7529.410+/-3068.995 $\chi^2$/NDF:15.7/18

Out: 2119.685+/-2831.971 $\chi^2$/NDF:18.2/21

All: 4607.605+/-2081.262 $\chi^2$/NDF: 35.6/40

# asym_atr2_rms vs Slug, Sign Corrected

Right In: 8513.665+/-2.395 $\chi^2$/NDF: 762614.5/16

Left Out: 8794.086+/-4.470 $\chi^2$/NDF:13191.4/2

Right Out: 8044.739+/-2.240 $\chi^2$/NDF: 952310.5/18

Left In: 9229.705+/-5.129 $\chi^2$/NDF:29228.7/1

Left: 8982.136+/-3.370 $\chi^2$/NDF: 46519.9/4

Right: 8263.507+/-1.636 $\chi^2$/NDF: 1735374.5/35

In: 8641.859+/-2.170 $\chi^2$/NDF:807844.9/18

Out: 8195.120+/-2.002 $\chi^2$/NDF:987965.2/21

All: 8400.568+/-1.472 $\chi^2$/NDF: 1818699.4/40

# dit_asym_sam1_mean vs Slug, Sign Corrected

Right In: 26.932+/-34.029 $\chi^2$/NDF: 12.6/16

Left Out: -98.357+/-56.262 $\chi^2$/NDF:2.6/2

Right Out: 17.368+/-35.548 $\chi^2$/NDF: 21.9/18

Left In: -95.708+/-63.919 $\chi^2$/NDF:1.5/1

Left: -97.201+/-42.232 $\chi^2$/NDF: 4.2/4

Right: 22.359+/-24.581 $\chi^2$/NDF: 34.5/35

In: -0.151+/-30.037 $\chi^2$/NDF:17.0/18

Out: -15.648+/-30.052 $\chi^2$/NDF:27.5/21

All: -7.896+/-21.245 $\chi^2$/NDF: 44.7/40

# dit_asym_sam1_rms vs Slug, Sign Corrected

Right In: 84.737+/-0.024 $\chi^2$/NDF: 1064420.0/16

Left Out: 78.695+/-0.040 $\chi^2$/NDF:6050.8/2

Right Out: 89.143+/-0.025 $\chi^2$/NDF: 1559269.8/18

Left In: 81.802+/-0.045 $\chi^2$/NDF:17.4/1

Left: 80.051+/-0.030 $\chi^2$/NDF: 8731.1/4

Right: 86.844+/-0.017 $\chi^2$/NDF: 2639723.0/35

In: 84.089+/-0.021 $\chi^2$/NDF:1067723.2/18

Out: 86.162+/-0.021 $\chi^2$/NDF:1614615.4/21

All: 85.125+/-0.015 $\chi^2$/NDF: 2687100.4/40

# asym_sam1_correction_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 5.841+/-219.309 $\chi^2$/NDF:4.6/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -134.855+/-224.328 $\chi^2$/NDF:0.3/1

Left: -62.915+/-156.819 $\chi^2$/NDF: 5.2/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -134.855+/-224.328 $\chi^2$/NDF:0.3/1

Out: 5.841+/-219.309 $\chi^2$/NDF:4.6/2

All: -62.915+/-156.819 $\chi^2$/NDF: 5.2/4

# asym_sam1_correction_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 305.266+/-0.155 $\chi^2$/NDF:26560.8/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 285.667+/-0.159 $\chi^2$/NDF:33347.0/1

Left: 295.688+/-0.111 $\chi^2$/NDF: 67713.9/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 285.667+/-0.159 $\chi^2$/NDF:33347.0/1

Out: 305.266+/-0.155 $\chi^2$/NDF:26560.8/2

All: 295.688+/-0.111 $\chi^2$/NDF: 67713.9/4

# asym_sam1_mean vs Slug, Sign Corrected

Right In: 143.486+/-179.237 $\chi^2$/NDF: 12.8/16

Left Out: -107.002+/-224.017 $\chi^2$/NDF:3.1/2

Right Out: 237.821+/-183.995 $\chi^2$/NDF: 21.7/18

Left In: 50.465+/-231.666 $\chi^2$/NDF:0.7/1

Left: -30.911+/-161.040 $\chi^2$/NDF: 4.1/4

Right: 189.418+/-128.389 $\chi^2$/NDF: 34.6/35

In: 108.655+/-141.762 $\chi^2$/NDF:13.6/18

Out: 98.911+/-142.184 $\chi^2$/NDF:26.2/21

All: 103.797+/-100.390 $\chi^2$/NDF: 39.8/40

# asym_sam1_rms vs Slug, Sign Corrected

Right In: 428.856+/-0.127 $\chi^2$/NDF: 2012329.6/16

Left Out: 311.813+/-0.158 $\chi^2$/NDF:26744.9/2

Right Out: 452.517+/-0.130 $\chi^2$/NDF: 2039238.5/18

Left In: 295.241+/-0.164 $\chi^2$/NDF:31202.5/1

Left: 303.805+/-0.114 $\chi^2$/NDF: 63236.1/4

Right: 440.377+/-0.091 $\chi^2$/NDF: 4068538.6/35

In: 378.824+/-0.100 $\chi^2$/NDF:2459709.9/18

Out: 395.835+/-0.101 $\chi^2$/NDF:2537147.6/21

All: 387.304+/-0.071 $\chi^2$/NDF: 5011214.9/40

# dit_asym_sam2_mean vs Slug, Sign Corrected

Right In: 381.893+/-141.192 $\chi^2$/NDF: 9.4/16

Left Out: -253.946+/-228.642 $\chi^2$/NDF:0.9/2

Right Out: 77.490+/-143.469 $\chi^2$/NDF: 16.8/18

Left In: -27.501+/-242.876 $\chi^2$/NDF:1.2/1

Left: -147.553+/-166.479 $\chi^2$/NDF: 2.5/4

Right: 232.126+/-100.633 $\chi^2$/NDF: 28.5/35

In: 278.485+/-122.065 $\chi^2$/NDF:12.8/18

Out: -16.142+/-121.525 $\chi^2$/NDF:19.1/21

All: 130.519+/-86.122 $\chi^2$/NDF: 34.8/40

# dit_asym_sam2_rms vs Slug, Sign Corrected

Right In: 357.664+/-0.100 $\chi^2$/NDF: 629671.7/16

Left Out: 319.833+/-0.162 $\chi^2$/NDF:5335.4/2

Right Out: 370.794+/-0.101 $\chi^2$/NDF: 784786.3/18

Left In: 311.015+/-0.172 $\chi^2$/NDF:1083.5/1

Left: 315.690+/-0.118 $\chi^2$/NDF: 7816.5/4

Right: 364.124+/-0.071 $\chi^2$/NDF: 1422966.9/35

In: 345.881+/-0.086 $\chi^2$/NDF:685900.0/18

Out: 356.397+/-0.086 $\chi^2$/NDF:861408.9/21

All: 351.163+/-0.061 $\chi^2$/NDF: 1554763.7/40

# asym_sam2_correction_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -626.192+/-1500.382 $\chi^2$/NDF:7.6/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 448.631+/-1733.074 $\chi^2$/NDF:0.3/1

Left: -165.730+/-1134.345 $\chi^2$/NDF: 8.1/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 448.631+/-1733.074 $\chi^2$/NDF:0.3/1

Out: -626.192+/-1500.382 $\chi^2$/NDF:7.6/2

All: -165.730+/-1134.345 $\chi^2$/NDF: 8.1/4

# asym_sam2_correction_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 2088.725+/-1.061 $\chi^2$/NDF:13545.4/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 2206.756+/-1.225 $\chi^2$/NDF:30816.4/1

Left: 2139.290+/-0.802 $\chi^2$/NDF: 49664.3/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 2206.756+/-1.225 $\chi^2$/NDF:30816.4/1

Out: 2088.725+/-1.061 $\chi^2$/NDF:13545.4/2

All: 2139.290+/-0.802 $\chi^2$/NDF: 49664.3/4

# asym_sam2_mean vs Slug, Sign Corrected

Right In: 2969.125+/-1440.489 $\chi^2$/NDF: 17.4/16

Left Out: 445.281+/-1496.737 $\chi^2$/NDF:6.7/2

Right Out: -358.685+/-1507.064 $\chi^2$/NDF: 15.3/18

Left In: -444.666+/-1731.034 $\chi^2$/NDF:0.1/1

Left: 64.568+/-1132.198 $\chi^2$/NDF: 7.0/4

Right: 1380.346+/-1041.320 $\chi^2$/NDF: 35.3/35

In: 1572.365+/-1107.256 $\chi^2$/NDF:19.8/18

Out: 46.062+/-1061.986 $\chi^2$/NDF:22.2/21

All: 777.375+/-766.442 $\chi^2$/NDF: 43.0/40

# asym_sam2_rms vs Slug, Sign Corrected

Right In: 3573.470+/-1.019 $\chi^2$/NDF: 1088731.5/16

Left Out: 2082.242+/-1.058 $\chi^2$/NDF:10258.1/2

Right Out: 3876.914+/-1.066 $\chi^2$/NDF: 988409.8/18

Left In: 2203.271+/-1.224 $\chi^2$/NDF:31506.4/1

Left: 2134.017+/-0.801 $\chi^2$/NDF: 47358.8/4

Right: 3718.342+/-0.736 $\chi^2$/NDF: 2119512.7/35

In: 3012.850+/-0.783 $\chi^2$/NDF:1860630.7/18

Out: 2973.408+/-0.751 $\chi^2$/NDF:2426517.8/21

All: 2992.306+/-0.542 $\chi^2$/NDF: 4288470.4/40

# dit_asym_sam3_mean vs Slug, Sign Corrected

Right In: 81.851+/-51.907 $\chi^2$/NDF: 11.5/16

Left Out: 79.826+/-105.343 $\chi^2$/NDF:0.9/2

Right Out: 59.008+/-53.165 $\chi^2$/NDF: 16.4/18

Left In: -156.911+/-109.058 $\chi^2$/NDF:0.0/1

Left: -34.442+/-75.768 $\chi^2$/NDF: 3.3/4

Right: 70.703+/-37.141 $\chi^2$/NDF: 28.1/35

In: 37.752+/-46.869 $\chi^2$/NDF:15.5/18

Out: 63.234+/-47.463 $\chi^2$/NDF:17.3/21

All: 50.333+/-33.350 $\chi^2$/NDF: 32.9/40

# dit_asym_sam3_rms vs Slug, Sign Corrected

Right In: 126.339+/-0.037 $\chi^2$/NDF: 1310585.0/16

Left Out: 144.361+/-0.074 $\chi^2$/NDF:30936.6/2

Right Out: 131.007+/-0.038 $\chi^2$/NDF: 1429260.8/18

Left In: 134.009+/-0.077 $\chi^2$/NDF:174939.1/1

Left: 139.364+/-0.054 $\chi^2$/NDF: 215196.8/4

Right: 128.617+/-0.026 $\chi^2$/NDF: 2747739.0/35

In: 127.756+/-0.033 $\chi^2$/NDF:1493589.2/18

Out: 133.718+/-0.034 $\chi^2$/NDF:1485809.9/21

All: 130.699+/-0.024 $\chi^2$/NDF: 2995376.7/40

# asym_sam3_correction_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -304.703+/-725.581 $\chi^2$/NDF:7.9/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 732.557+/-830.916 $\chi^2$/NDF:1.3/1

Left: 144.050+/-546.534 $\chi^2$/NDF: 10.1/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 732.557+/-830.916 $\chi^2$/NDF:1.3/1

Out: -304.703+/-725.581 $\chi^2$/NDF:7.9/2

All: 144.050+/-546.534 $\chi^2$/NDF: 10.1/4

# asym_sam3_correction_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 995.706+/-0.513 $\chi^2$/NDF:104919.3/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 1039.219+/-0.588 $\chi^2$/NDF:137875.8/1

Left: 1014.531+/-0.386 $\chi^2$/NDF: 245907.1/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 1039.219+/-0.588 $\chi^2$/NDF:137875.8/1

Out: 995.706+/-0.513 $\chi^2$/NDF:104919.3/2

All: 1014.531+/-0.386 $\chi^2$/NDF: 245907.1/4

# asym_sam3_mean vs Slug, Sign Corrected

Right In: 666.453+/-618.839 $\chi^2$/NDF: 25.6/16

Left Out: 480.173+/-738.801 $\chi^2$/NDF:7.9/2

Right Out: -1094.278+/-602.639 $\chi^2$/NDF: 11.0/18

Left In: -807.834+/-847.416 $\chi^2$/NDF:0.9/1

Left: -76.047+/-556.879 $\chi^2$/NDF: 10.2/4

Right: -237.260+/-431.744 $\chi^2$/NDF: 40.8/35

In: 153.686+/-499.765 $\chi^2$/NDF:28.6/18

Out: -465.236+/-466.985 $\chi^2$/NDF:21.6/21

All: -176.737+/-341.209 $\chi^2$/NDF: 51.0/40

# asym_sam3_rms vs Slug, Sign Corrected

Right In: 1565.623+/-0.438 $\chi^2$/NDF: 490790.2/16

Left Out: 1014.934+/-0.522 $\chi^2$/NDF:65786.5/2

Right Out: 1573.366+/-0.426 $\chi^2$/NDF: 462040.3/18

Left In: 1060.241+/-0.599 $\chi^2$/NDF:117484.0/1

Left: 1034.499+/-0.394 $\chi^2$/NDF: 186518.6/4

Right: 1569.597+/-0.305 $\chi^2$/NDF: 952991.2/35

In: 1389.847+/-0.353 $\chi^2$/NDF:1072203.8/18

Out: 1350.255+/-0.330 $\chi^2$/NDF:1213955.7/21

All: 1368.710+/-0.241 $\chi^2$/NDF: 2292860.9/40

# dit_asym_sam4_mean vs Slug, Sign Corrected

Right In: 64.087+/-105.336 $\chi^2$/NDF: 16.8/16

Left Out: 213.796+/-254.469 $\chi^2$/NDF:4.5/2

Right Out: 265.661+/-99.379 $\chi^2$/NDF: 14.7/18

Left In: -7.757+/-236.075 $\chi^2$/NDF:0.0/1

Left: 94.724+/-173.068 $\chi^2$/NDF: 4.9/4

Right: 170.735+/-72.286 $\chi^2$/NDF: 33.4/35

In: 52.158+/-96.195 $\chi^2$/NDF:16.9/18

Out: 258.798+/-92.570 $\chi^2$/NDF:19.2/21

All: 159.444+/-66.702 $\chi^2$/NDF: 38.5/40

# dit_asym_sam4_rms vs Slug, Sign Corrected

Right In: 266.624+/-0.074 $\chi^2$/NDF: 550752.5/16

Left Out: 350.241+/-0.180 $\chi^2$/NDF:28094.7/2

Right Out: 256.268+/-0.070 $\chi^2$/NDF: 696896.2/18

Left In: 300.138+/-0.167 $\chi^2$/NDF:410.2/1

Left: 323.314+/-0.122 $\chi^2$/NDF: 70173.9/4

Right: 261.145+/-0.051 $\chi^2$/NDF: 1257876.6/35

In: 272.189+/-0.068 $\chi^2$/NDF:584777.3/18

Out: 268.704+/-0.065 $\chi^2$/NDF:961645.8/21

All: 270.380+/-0.047 $\chi^2$/NDF: 1547785.8/40

# asym_sam4_correction_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -410.599+/-1566.374 $\chi^2$/NDF:2.0/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 2056.588+/-1727.887 $\chi^2$/NDF:2.0/1

Left: 702.322+/-1160.504 $\chi^2$/NDF: 5.2/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 2056.588+/-1727.887 $\chi^2$/NDF:2.0/1

Out: -410.599+/-1566.374 $\chi^2$/NDF:2.0/2

All: 702.322+/-1160.504 $\chi^2$/NDF: 5.2/4

# asym_sam4_correction_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 2162.360+/-1.108 $\chi^2$/NDF:96564.5/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 2188.656+/-1.222 $\chi^2$/NDF:60410.3/1

Left: 2174.222+/-0.821 $\chi^2$/NDF: 157229.0/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 2188.656+/-1.222 $\chi^2$/NDF:60410.3/1

Out: 2162.360+/-1.108 $\chi^2$/NDF:96564.5/2

All: 2174.222+/-0.821 $\chi^2$/NDF: 157229.0/4

# asym_sam4_mean vs Slug, Sign Corrected

Right In: 366.454+/-992.480 $\chi^2$/NDF: 24.2/16

Left Out: 787.259+/-1544.082 $\chi^2$/NDF:3.1/2

Right Out: -1557.388+/-924.003 $\chi^2$/NDF: 10.5/18

Left In: -1967.795+/-1709.948 $\chi^2$/NDF:1.9/1

Left: -450.200+/-1145.996 $\chi^2$/NDF: 6.4/4

Right: -664.120+/-676.282 $\chi^2$/NDF: 36.7/35

In: -221.755+/-858.372 $\chi^2$/NDF:27.5/18

Out: -939.157+/-792.879 $\chi^2$/NDF:15.3/21

All: -608.865+/-582.429 $\chi^2$/NDF: 43.1/40

# asym_sam4_rms vs Slug, Sign Corrected

Right In: 2474.389+/-0.702 $\chi^2$/NDF: 906262.1/16

Left Out: 2130.848+/-1.092 $\chi^2$/NDF:87109.4/2

Right Out: 2364.507+/-0.653 $\chi^2$/NDF: 1023402.8/18

Left In: 2161.364+/-1.209 $\chi^2$/NDF:60556.3/1

Left: 2144.554+/-0.810 $\chi^2$/NDF: 148016.6/4

Right: 2415.527+/-0.478 $\chi^2$/NDF: 1942797.3/35

In: 2395.509+/-0.607 $\chi^2$/NDF:1016951.9/18

Out: 2302.896+/-0.561 $\chi^2$/NDF:1144235.1/21

All: 2345.535+/-0.412 $\chi^2$/NDF: 2173750.1/40

# dit_asym_sam5_mean vs Slug, Sign Corrected

Right In: 15.303+/-46.443 $\chi^2$/NDF: 12.6/16

Left Out: 228.709+/-109.718 $\chi^2$/NDF:3.8/2

Right Out: 91.634+/-43.318 $\chi^2$/NDF: 15.7/18

Left In: 50.330+/-114.688 $\chi^2$/NDF:0.8/1

Left: 143.468+/-79.281 $\chi^2$/NDF: 5.8/4

Right: 56.123+/-31.678 $\chi^2$/NDF: 29.7/35

In: 20.238+/-43.048 $\chi^2$/NDF:13.4/18

Out: 110.119+/-40.292 $\chi^2$/NDF:20.8/21

All: 68.148+/-29.417 $\chi^2$/NDF: 36.5/40

# dit_asym_sam5_rms vs Slug, Sign Corrected

Right In: 113.932+/-0.033 $\chi^2$/NDF: 1407849.3/16

Left Out: 153.477+/-0.078 $\chi^2$/NDF:2658.1/2

Right Out: 109.709+/-0.031 $\chi^2$/NDF: 1242014.6/18

Left In: 146.792+/-0.081 $\chi^2$/NDF:3066.6/1

Left: 150.282+/-0.056 $\chi^2$/NDF: 9271.8/4

Right: 111.674+/-0.022 $\chi^2$/NDF: 2658703.6/35

In: 118.561+/-0.030 $\chi^2$/NDF:1551974.3/18

Out: 115.612+/-0.028 $\chi^2$/NDF:1520004.0/21

All: 116.989+/-0.021 $\chi^2$/NDF: 3076983.3/40

# asym_sam5_correction_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -62.740+/-703.472 $\chi^2$/NDF:2.4/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 843.917+/-722.565 $\chi^2$/NDF:0.7/1

Left: 378.451+/-504.045 $\chi^2$/NDF: 4.0/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 843.917+/-722.565 $\chi^2$/NDF:0.7/1

Out: -62.740+/-703.472 $\chi^2$/NDF:2.4/2

All: 378.451+/-504.045 $\chi^2$/NDF: 4.0/4

# asym_sam5_correction_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 979.844+/-0.497 $\chi^2$/NDF:30687.7/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 920.390+/-0.511 $\chi^2$/NDF:13500.6/1

Left: 950.913+/-0.356 $\chi^2$/NDF: 51139.9/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 920.390+/-0.511 $\chi^2$/NDF:13500.6/1

Out: 979.844+/-0.497 $\chi^2$/NDF:30687.7/2

All: 950.913+/-0.356 $\chi^2$/NDF: 51139.9/4

# asym_sam5_mean vs Slug, Sign Corrected

Right In: -157.178+/-312.499 $\chi^2$/NDF: 16.2/16

Left Out: 334.982+/-684.791 $\chi^2$/NDF:2.6/2

Right Out: -488.583+/-282.758 $\chi^2$/NDF: 22.6/18

Left In: -801.757+/-702.954 $\chi^2$/NDF:1.2/1

Left: -218.512+/-490.516 $\chi^2$/NDF: 5.2/4

Right: -339.397+/-209.669 $\chi^2$/NDF: 39.5/35

In: -263.543+/-285.554 $\chi^2$/NDF:18.2/18

Out: -368.621+/-261.355 $\chi^2$/NDF:26.5/21

All: -320.723+/-192.794 $\chi^2$/NDF: 44.7/40

# asym_sam5_rms vs Slug, Sign Corrected

Right In: 756.985+/-0.221 $\chi^2$/NDF: 1711285.9/16

Left Out: 953.616+/-0.484 $\chi^2$/NDF:31138.0/2

Right Out: 702.656+/-0.200 $\chi^2$/NDF: 1689579.7/18

Left In: 894.528+/-0.497 $\chi^2$/NDF:12309.8/1

Left: 924.845+/-0.347 $\chi^2$/NDF: 50698.3/4

Right: 727.113+/-0.148 $\chi^2$/NDF: 3434103.1/35

In: 779.682+/-0.202 $\chi^2$/NDF:1787529.9/18

Out: 739.211+/-0.185 $\chi^2$/NDF:1950202.5/21

All: 757.659+/-0.136 $\chi^2$/NDF: 3759592.5/40

# dit_asym_sam6_mean vs Slug, Sign Corrected

Right In: -32.694+/-48.431 $\chi^2$/NDF: 19.7/16

Left Out: 319.049+/-106.913 $\chi^2$/NDF:4.9/2

Right Out: -9.277+/-45.600 $\chi^2$/NDF: 14.7/18

Left In: 233.057+/-118.299 $\chi^2$/NDF:0.3/1

Left: 280.389+/-79.320 $\chi^2$/NDF: 5.6/4

Right: -20.281+/-33.200 $\chi^2$/NDF: 34.6/35

In: 5.454+/-44.821 $\chi^2$/NDF:24.4/18

Out: 41.257+/-41.944 $\chi^2$/NDF:27.6/21

All: 24.541+/-30.625 $\chi^2$/NDF: 52.3/40

# dit_asym_sam6_rms vs Slug, Sign Corrected

Right In: 120.207+/-0.034 $\chi^2$/NDF: 1062326.6/16

Left Out: 149.405+/-0.076 $\chi^2$/NDF:3204.8/2

Right Out: 116.618+/-0.032 $\chi^2$/NDF: 997956.6/18

Left In: 151.445+/-0.084 $\chi^2$/NDF:234.9/1

Left: 150.322+/-0.056 $\chi^2$/NDF: 3766.9/4

Right: 118.304+/-0.023 $\chi^2$/NDF: 2066104.2/35

In: 124.691+/-0.032 $\chi^2$/NDF:1181996.5/18

Out: 121.664+/-0.030 $\chi^2$/NDF:1160304.4/21

All: 123.077+/-0.022 $\chi^2$/NDF: 2347162.1/40

# asym_sam6_correction_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 42.981+/-657.412 $\chi^2$/NDF:6.8/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 88.087+/-744.074 $\chi^2$/NDF:0.0/1

Left: 62.755+/-492.665 $\chi^2$/NDF: 6.8/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 88.087+/-744.074 $\chi^2$/NDF:0.0/1

Out: 42.981+/-657.412 $\chi^2$/NDF:6.8/2

All: 62.755+/-492.665 $\chi^2$/NDF: 6.8/4

# asym_sam6_correction_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 918.211+/-0.465 $\chi^2$/NDF:9062.4/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 952.446+/-0.526 $\chi^2$/NDF:1283.3/1

Left: 933.220+/-0.348 $\chi^2$/NDF: 12723.5/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 952.446+/-0.526 $\chi^2$/NDF:1283.3/1

Out: 918.211+/-0.465 $\chi^2$/NDF:9062.4/2

All: 933.220+/-0.348 $\chi^2$/NDF: 12723.5/4

# asym_sam6_mean vs Slug, Sign Corrected

Right In: -301.000+/-250.042 $\chi^2$/NDF: 16.8/16

Left Out: 311.412+/-643.790 $\chi^2$/NDF:5.9/2

Right Out: -100.857+/-245.981 $\chi^2$/NDF: 22.5/18

Left In: 174.817+/-729.123 $\chi^2$/NDF:0.0/1

Left: 251.572+/-482.592 $\chi^2$/NDF: 5.9/4

Right: -199.290+/-175.353 $\chi^2$/NDF: 39.7/35

In: -250.930+/-236.521 $\chi^2$/NDF:17.2/18

Out: -48.338+/-229.780 $\chi^2$/NDF:28.8/21

All: -146.706+/-164.810 $\chi^2$/NDF: 46.4/40

# asym_sam6_rms vs Slug, Sign Corrected

Right In: 564.003+/-0.177 $\chi^2$/NDF: 3261491.3/16

Left Out: 899.205+/-0.455 $\chi^2$/NDF:10179.1/2

Right Out: 585.070+/-0.174 $\chi^2$/NDF: 2820837.8/18

Left In: 933.320+/-0.516 $\chi^2$/NDF:981.5/1

Left: 914.150+/-0.341 $\chi^2$/NDF: 13621.1/4

Right: 574.709+/-0.124 $\chi^2$/NDF: 6089543.5/35

In: 602.866+/-0.167 $\chi^2$/NDF:3721605.7/18

Out: 625.087+/-0.162 $\chi^2$/NDF:3246539.6/21

All: 614.298+/-0.117 $\chi^2$/NDF: 6977226.8/40

# dit_asym_sam7_mean vs Slug, Sign Corrected

Right In: -64.797+/-34.629 $\chi^2$/NDF: 6.2/16

Left Out: 75.844+/-73.610 $\chi^2$/NDF:0.6/2

Right Out: -15.294+/-33.422 $\chi^2$/NDF: 35.0/18

Left In: 133.567+/-71.335 $\chi^2$/NDF:1.3/1

Left: 105.611+/-51.227 $\chi^2$/NDF: 2.2/4

Right: -39.167+/-24.048 $\chi^2$/NDF: 42.2/35

In: -26.967+/-31.153 $\chi^2$/NDF:13.7/18

Out: 0.283+/-30.432 $\chi^2$/NDF:36.9/21

All: -13.023+/-21.769 $\chi^2$/NDF: 51.0/40

# dit_asym_sam7_rms vs Slug, Sign Corrected

Right In: 88.186+/-0.024 $\chi^2$/NDF: 394447.7/16

Left Out: 101.857+/-0.052 $\chi^2$/NDF:17758.6/2

Right Out: 86.943+/-0.024 $\chi^2$/NDF: 531359.9/18

Left In: 90.978+/-0.050 $\chi^2$/NDF:0.3/1

Left: 96.247+/-0.036 $\chi^2$/NDF: 40284.1/4

Right: 87.542+/-0.017 $\chi^2$/NDF: 927142.1/35

In: 88.719+/-0.022 $\chi^2$/NDF:396927.8/18

Out: 89.492+/-0.022 $\chi^2$/NDF:617183.4/21

All: 89.114+/-0.015 $\chi^2$/NDF: 1014741.7/40

# asym_sam7_correction_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -144.895+/-225.439 $\chi^2$/NDF:7.6/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 163.321+/-260.323 $\chi^2$/NDF:2.2/1

Left: -12.807+/-170.418 $\chi^2$/NDF: 10.6/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 163.321+/-260.323 $\chi^2$/NDF:2.2/1

Out: -144.895+/-225.439 $\chi^2$/NDF:7.6/2

All: -12.807+/-170.418 $\chi^2$/NDF: 10.6/4

# asym_sam7_correction_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 312.378+/-0.159 $\chi^2$/NDF:35144.4/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 328.958+/-0.184 $\chi^2$/NDF:74328.9/1

Left: 319.484+/-0.121 $\chi^2$/NDF: 114109.1/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 328.958+/-0.184 $\chi^2$/NDF:74328.9/1

Out: 312.378+/-0.159 $\chi^2$/NDF:35144.4/2

All: 319.484+/-0.121 $\chi^2$/NDF: 114109.1/4

# asym_sam7_mean vs Slug, Sign Corrected

Right In: 85.810+/-142.601 $\chi^2$/NDF: 20.6/16

Left Out: 259.334+/-222.222 $\chi^2$/NDF:8.2/2

Right Out: -284.456+/-129.599 $\chi^2$/NDF: 10.6/18

Left In: -93.613+/-262.030 $\chi^2$/NDF:1.2/1

Left: 111.679+/-169.480 $\chi^2$/NDF: 10.5/4

Right: -116.969+/-95.908 $\chi^2$/NDF: 34.9/35

In: 44.812+/-125.254 $\chi^2$/NDF:22.1/18

Out: -146.444+/-111.952 $\chi^2$/NDF:23.3/21

All: -61.508+/-83.470 $\chi^2$/NDF: 46.7/40

# asym_sam7_rms vs Slug, Sign Corrected

Right In: 339.553+/-0.101 $\chi^2$/NDF: 2042244.1/16

Left Out: 307.883+/-0.157 $\chi^2$/NDF:21075.7/2

Right Out: 309.105+/-0.092 $\chi^2$/NDF: 2730308.7/18

Left In: 331.240+/-0.185 $\chi^2$/NDF:68957.3/1

Left: 317.654+/-0.120 $\chi^2$/NDF: 99275.9/4

Right: 322.878+/-0.068 $\chi^2$/NDF: 4822487.1/35

In: 337.653+/-0.089 $\chi^2$/NDF:2112754.4/18

Out: 308.795+/-0.079 $\chi^2$/NDF:2751429.4/21

All: 321.611+/-0.059 $\chi^2$/NDF: 4923202.0/40

# dit_asym_sam8_mean vs Slug, Sign Corrected

Right In: -196.599+/-30.399 $\chi^2$/NDF: 19.0/16

Left Out: -233.183+/-65.076 $\chi^2$/NDF:2.3/2

Right Out: -112.097+/-29.622 $\chi^2$/NDF: 39.3/18

Left In: -150.672+/-60.661 $\chi^2$/NDF:0.9/1

Left: -189.034+/-44.372 $\chi^2$/NDF: 4.1/4

Right: -153.254+/-21.215 $\chi^2$/NDF: 62.3/35

In: -187.381+/-27.177 $\chi^2$/NDF:20.4/18

Out: -132.880+/-26.960 $\chi^2$/NDF:44.5/21

All: -159.912+/-19.140 $\chi^2$/NDF: 66.9/40

# dit_asym_sam8_rms vs Slug, Sign Corrected

Right In: 76.692+/-0.021 $\chi^2$/NDF: 600348.1/16

Left Out: 89.031+/-0.046 $\chi^2$/NDF:38085.7/2

Right Out: 76.479+/-0.021 $\chi^2$/NDF: 699361.8/18

Left In: 76.962+/-0.043 $\chi^2$/NDF:553.9/1

Left: 82.573+/-0.031 $\chi^2$/NDF: 75446.3/4

Right: 76.583+/-0.015 $\chi^2$/NDF: 1299760.4/35

In: 76.746+/-0.019 $\chi^2$/NDF:600933.7/18

Out: 78.633+/-0.019 $\chi^2$/NDF:799085.5/21

All: 77.697+/-0.014 $\chi^2$/NDF: 1404878.5/40

# asym_sam8_correction_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -176.340+/-183.185 $\chi^2$/NDF:7.6/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 190.400+/-208.461 $\chi^2$/NDF:2.1/1

Left: -16.541+/-137.605 $\chi^2$/NDF: 11.4/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 190.400+/-208.461 $\chi^2$/NDF:2.1/1

Out: -176.340+/-183.185 $\chi^2$/NDF:7.6/2

All: -16.541+/-137.605 $\chi^2$/NDF: 11.4/4

# asym_sam8_correction_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 253.345+/-0.130 $\chi^2$/NDF:59683.3/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 262.023+/-0.147 $\chi^2$/NDF:111178.7/1

Left: 257.126+/-0.097 $\chi^2$/NDF: 172817.5/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 262.023+/-0.147 $\chi^2$/NDF:111178.7/1

Out: 253.345+/-0.130 $\chi^2$/NDF:59683.3/2

All: 257.126+/-0.097 $\chi^2$/NDF: 172817.5/4

# asym_sam8_mean vs Slug, Sign Corrected

Right In: -54.933+/-90.355 $\chi^2$/NDF: 16.5/16

Left Out: -39.764+/-176.944 $\chi^2$/NDF:8.7/2

Right Out: -164.141+/-76.903 $\chi^2$/NDF: 11.9/18

Left In: -410.863+/-207.685 $\chi^2$/NDF:1.5/1

Left: -195.843+/-134.689 $\chi^2$/NDF: 12.1/4

Right: -118.264+/-58.563 $\chi^2$/NDF: 29.3/35

In: -111.580+/-82.854 $\chi^2$/NDF:20.5/18

Out: -144.380+/-70.530 $\chi^2$/NDF:21.0/21

All: -130.598+/-53.706 $\chi^2$/NDF: 41.6/40

# asym_sam8_rms vs Slug, Sign Corrected

Right In: 200.971+/-0.064 $\chi^2$/NDF: 3436154.0/16

Left Out: 245.029+/-0.125 $\chi^2$/NDF:39472.7/2

Right Out: 171.794+/-0.054 $\chi^2$/NDF: 4092634.7/18

Left In: 261.311+/-0.147 $\chi^2$/NDF:99922.4/1

Left: 251.877+/-0.095 $\chi^2$/NDF: 146517.3/4

Right: 184.051+/-0.041 $\chi^2$/NDF: 7649725.9/35

In: 210.574+/-0.059 $\chi^2$/NDF:3678031.6/18

Out: 183.430+/-0.050 $\chi^2$/NDF:4420281.5/21

All: 194.835+/-0.038 $\chi^2$/NDF: 8222784.5/40

# dit_asym_sam_15_avg_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 58.177+/-49.566 $\chi^2$/NDF:2.4/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -21.021+/-50.863 $\chi^2$/NDF:0.1/1

Left: 19.600+/-35.498 $\chi^2$/NDF: 3.8/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -21.021+/-50.863 $\chi^2$/NDF:0.1/1

Out: 58.177+/-49.566 $\chi^2$/NDF:2.4/2

All: 19.600+/-35.498 $\chi^2$/NDF: 3.8/4

# dit_asym_sam_15_avg_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 69.004+/-0.035 $\chi^2$/NDF:21913.5/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 65.043+/-0.036 $\chi^2$/NDF:97.1/1

Left: 67.075+/-0.025 $\chi^2$/NDF: 28231.5/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 65.043+/-0.036 $\chi^2$/NDF:97.1/1

Out: 69.004+/-0.035 $\chi^2$/NDF:21913.5/2

All: 67.075+/-0.025 $\chi^2$/NDF: 28231.5/4

asym_sam_15_avg_correction_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -36.688+/-248.786 $\chi^2$/NDF:1.5/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 332.163+/-262.060 $\chi^2$/NDF:0.8/1

Left: 138.160+/-180.429 $\chi^2$/NDF: 3.4/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 332.163+/-262.060 $\chi^2$/NDF:0.8/1

Out: -36.688+/-248.786 $\chi^2$/NDF:1.5/2

All: 138.160+/-180.429 $\chi^2$/NDF: 3.4/4

asym_sam_15_avg_correction_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 345.652+/-0.176 $\chi^2$/NDF:48330.8/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 334.109+/-0.185 $\chi^2$/NDF:1713.1/1

Left: 340.180+/-0.128 $\chi^2$/NDF: 52084.8/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 334.109+/-0.185 $\chi^2$/NDF:1713.1/1

Out: 345.652+/-0.176 $\chi^2$/NDF:48330.8/2

All: 340.180+/-0.128 $\chi^2$/NDF: 52084.8/4

# asym_sam_15_avg_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 114.318+/-239.662 $\chi^2$/NDF:2.0/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -336.616+/-253.616 $\chi^2$/NDF:1.2/1

Left: -98.403+/-174.191 $\chi^2$/NDF: 4.9/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -336.616+/-253.616 $\chi^2$/NDF:1.2/1

Out: 114.318+/-239.662 $\chi^2$/NDF:2.0/2

All: -98.403+/-174.191 $\chi^2$/NDF: 4.9/4

# asym_sam_15_avg_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 332.656+/-0.169 $\chi^2$/NDF:48765.8/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 323.066+/-0.179 $\chi^2$/NDF:425.0/1

Left: 328.132+/-0.123 $\chi^2$/NDF: 50701.4/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 323.066+/-0.179 $\chi^2$/NDF:425.0/1

Out: 332.656+/-0.169 $\chi^2$/NDF:48765.8/2

All: 328.132+/-0.123 $\chi^2$/NDF: 50701.4/4

# dit_asym_sam_26_avg_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 51.707+/-99.712 $\chi^2$/NDF:0.4/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 105.606+/-101.741 $\chi^2$/NDF:0.8/1

Left: 78.114+/-71.214 $\chi^2$/NDF: 1.3/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 105.606+/-101.741 $\chi^2$/NDF:0.8/1

Out: 51.707+/-99.712 $\chi^2$/NDF:0.4/2

All: 78.114+/-71.214 $\chi^2$/NDF: 1.3/4

# dit_asym_sam_26_avg_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 138.776+/-0.071 $\chi^2$/NDF:5988.6/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 129.981+/-0.072 $\chi^2$/NDF:2660.9/1

Left: 134.467+/-0.050 $\chi^2$/NDF: 16272.7/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 129.981+/-0.072 $\chi^2$/NDF:2660.9/1

Out: 138.776+/-0.071 $\chi^2$/NDF:5988.6/2

All: 134.467+/-0.050 $\chi^2$/NDF: 16272.7/4

asym_sam_26_avg_correction_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -255.009+/-444.000 $\chi^2$/NDF:7.8/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 219.139+/-512.817 $\chi^2$/NDF:0.8/1

Left: -51.862+/-335.669 $\chi^2$/NDF: 9.1/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 219.139+/-512.817 $\chi^2$/NDF:0.8/1

Out: -255.009+/-444.000 $\chi^2$/NDF:7.8/2

All: -51.862+/-335.669 $\chi^2$/NDF: 9.1/4

asym_sam_26_avg_correction_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 615.412+/-0.314 $\chi^2$/NDF:33085.9/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 648.547+/-0.363 $\chi^2$/NDF:70734.2/1

Left: 629.608+/-0.237 $\chi^2$/NDF: 108592.5/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 648.547+/-0.363 $\chi^2$/NDF:70734.2/1

Out: 615.412+/-0.314 $\chi^2$/NDF:33085.9/2

All: 629.608+/-0.237 $\chi^2$/NDF: 108592.5/4

# asym_sam_26_avg_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 355.963+/-451.211 $\chi^2$/NDF:7.2/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -77.625+/-522.351 $\chi^2$/NDF:0.4/1

Left: 170.684+/-341.458 $\chi^2$/NDF: 8.0/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -77.625+/-522.351 $\chi^2$/NDF:0.4/1

Out: 355.963+/-451.211 $\chi^2$/NDF:7.2/2

All: 170.684+/-341.458 $\chi^2$/NDF: 8.0/4

# asym_sam_26_avg_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 624.358+/-0.319 $\chi^2$/NDF:20231.2/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 659.818+/-0.369 $\chi^2$/NDF:69328.8/1

Left: 639.511+/-0.241 $\chi^2$/NDF: 94838.3/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 659.818+/-0.369 $\chi^2$/NDF:69328.8/1

Out: 624.358+/-0.319 $\chi^2$/NDF:20231.2/2

All: 639.511+/-0.241 $\chi^2$/NDF: 94838.3/4

# dit_asym_sam_37_avg_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 90.151+/-79.180 $\chi^2$/NDF:1.1/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -20.661+/-78.471 $\chi^2$/NDF:0.4/1

Left: 34.247+/-55.737 $\chi^2$/NDF: 2.5/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -20.661+/-78.471 $\chi^2$/NDF:0.4/1

Out: 90.151+/-79.180 $\chi^2$/NDF:1.1/2

All: 34.247+/-55.737 $\chi^2$/NDF: 2.5/4

# dit_asym_sam_37_avg_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 109.088+/-0.056 $\chi^2$/NDF:14877.9/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 98.660+/-0.055 $\chi^2$/NDF:62317.8/1

Left: 103.827+/-0.039 $\chi^2$/NDF: 94698.4/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 98.660+/-0.055 $\chi^2$/NDF:62317.8/1

Out: 109.088+/-0.056 $\chi^2$/NDF:14877.9/2

All: 103.827+/-0.039 $\chi^2$/NDF: 94698.4/4

asym_sam_37_avg_correction_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -228.807+/-470.178 $\chi^2$/NDF:7.9/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 441.824+/-539.862 $\chi^2$/NDF:1.6/1

Left: 60.460+/-354.561 $\chi^2$/NDF: 10.4/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 441.824+/-539.862 $\chi^2$/NDF:1.6/1

Out: -228.807+/-470.178 $\chi^2$/NDF:7.9/2

All: 60.460+/-354.561 $\chi^2$/NDF: 10.4/4

asym_sam_37_avg_correction_rms vs Slug, Sign Corrected
900
850
800
750
700
650
600
138
138.5
139
139.5
140
140.5
141
141.5
142
Right In: 0.000+/-0.000 χ2/NDF: 0.0/0
Left Out: 646.708+/-0.332 χ2/NDF:87177.8/2
Right Out: 0.000+/-0.000 χ2/NDF: 0.0/0
Left In: 676.572+/-0.382 χ2/NDF:125326.8/1
Left: 659.589+/-0.251 χ2/NDF: 215985.1/4
Right: 0.000+/-0.000 χ2/NDF: 0.0/0
In: 676.572+/-0.382 χ2/NDF:125326.8/1
Out: 646.708+/-0.332 χ2/NDF:87177.8/2
All: 659.589+/-0.251 χ2/NDF: 215985.1/4

# asym_sam_37_avg_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 375.401+/-475.007 $\chi^2$/NDF:8.2/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -450.741+/-548.907 $\chi^2$/NDF:1.0/1

Left: 21.648+/-359.188 $\chi^2$/NDF: 10.5/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -450.741+/-548.907 $\chi^2$/NDF:1.0/1

Out: 375.401+/-475.007 $\chi^2$/NDF:8.2/2

All: 21.648+/-359.188 $\chi^2$/NDF: 10.5/4

# asym_sam_37_avg_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 653.667+/-0.336 $\chi^2$/NDF:55137.0/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 688.107+/-0.388 $\chi^2$/NDF:110495.6/1

Left: 668.414+/-0.254 $\chi^2$/NDF: 170134.8/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 688.107+/-0.388 $\chi^2$/NDF:110495.6/1

Out: 653.667+/-0.336 $\chi^2$/NDF:55137.0/2

All: 668.414+/-0.254 $\chi^2$/NDF: 170134.8/4

# dit_asym_sam_48_avg_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -12.907+/-150.351 $\chi^2$/NDF:4.6/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -71.537+/-135.423 $\chi^2$/NDF:0.0/1

Left: -45.277+/-100.624 $\chi^2$/NDF: 4.7/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -71.537+/-135.423 $\chi^2$/NDF:0.0/1

Out: -12.907+/-150.351 $\chi^2$/NDF:4.6/2

All: -45.277+/-100.624 $\chi^2$/NDF: 4.7/4

# dit_asym_sam_48_avg_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 206.025+/-0.106 $\chi^2$/NDF:34835.1/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 171.852+/-0.096 $\chi^2$/NDF:848.8/1

Left: 187.158+/-0.071 $\chi^2$/NDF: 92724.4/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 171.852+/-0.096 $\chi^2$/NDF:848.8/1

Out: 206.025+/-0.106 $\chi^2$/NDF:34835.1/2

All: 187.158+/-0.071 $\chi^2$/NDF: 92724.4/4

asym_sam_48_avg_correction_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -286.132+/-843.890 $\chi^2$/NDF:2.6/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 1084.986+/-939.125 $\chi^2$/NDF:2.1/1

Left: 326.401+/-627.698 $\chi^2$/NDF: 5.9/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 1084.986+/-939.125 $\chi^2$/NDF:2.1/1

Out: -286.132+/-843.890 $\chi^2$/NDF:2.6/2

All: 326.401+/-627.698 $\chi^2$/NDF: 5.9/4

asym_sam_48_avg_correction_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 1163.310+/-0.597 $\chi^2$/NDF:102013.3/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 1185.758+/-0.664 $\chi^2$/NDF:80918.9/1

Left: 1173.338+/-0.444 $\chi^2$/NDF: 183564.4/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 1185.758+/-0.664 $\chi^2$/NDF:80918.9/1

Out: 1163.310+/-0.597 $\chi^2$/NDF:102013.3/2

All: 1173.338+/-0.444 $\chi^2$/NDF: 183564.4/4

# asym_sam_48_avg_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 368.233+/-830.004 $\chi^2$/NDF:3.8/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -1151.168+/-930.461 $\chi^2$/NDF:1.9/1

Left: -305.048+/-619.384 $\chi^2$/NDF: 7.2/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -1151.168+/-930.461 $\chi^2$/NDF:1.9/1

Out: 368.233+/-830.004 $\chi^2$/NDF:3.8/2

All: -305.048+/-619.384 $\chi^2$/NDF: 7.2/4

# asym_sam_48_avg_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 1143.749+/-0.587 $\chi^2$/NDF:90543.7/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 1172.744+/-0.658 $\chi^2$/NDF:82357.7/1

Left: 1156.597+/-0.438 $\chi^2$/NDF: 173982.8/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 1172.744+/-0.658 $\chi^2$/NDF:82357.7/1

Out: 1143.749+/-0.587 $\chi^2$/NDF:90543.7/2

All: 1156.597+/-0.438 $\chi^2$/NDF: 173982.8/4

# dit_asym_sam_15_dd_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -177.333+/-71.300 $\chi^2$/NDF:3.8/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -67.213+/-77.560 $\chi^2$/NDF:1.4/1

Left: -126.896+/-52.490 $\chi^2$/NDF: 6.3/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -67.213+/-77.560 $\chi^2$/NDF:1.4/1

Out: -177.333+/-71.300 $\chi^2$/NDF:3.8/2

All: -126.896+/-52.490 $\chi^2$/NDF: 6.3/4

# dit_asym_sam_15_dd_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 99.830+/-0.050 $\chi^2$/NDF:1537.0/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 99.282+/-0.055 $\chi^2$/NDF:4537.6/1

Left: 99.579+/-0.037 $\chi^2$/NDF: 6128.7/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 99.282+/-0.055 $\chi^2$/NDF:4537.6/1

Out: 99.830+/-0.050 $\chi^2$/NDF:1537.0/2

All: 99.579+/-0.037 $\chi^2$/NDF: 6128.7/4

asym_sam_15_dd_correction_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 33.015+/-457.624 $\chi^2$/NDF:3.0/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -504.431+/-465.904 $\chi^2$/NDF:0.7/1

Left: -230.890+/-326.477 $\chi^2$/NDF: 4.3/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -504.431+/-465.904 $\chi^2$/NDF:0.7/1

Out: 33.015+/-457.624 $\chi^2$/NDF:3.0/2

All: -230.890+/-326.477 $\chi^2$/NDF: 4.3/4

# asym_sam_15_dd_correction_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 637.837+/-0.324 $\chi^2$/NDF:24641.3/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 593.146+/-0.329 $\chi^2$/NDF:21488.5/1

Left: 615.892+/-0.231 $\chi^2$/NDF: 55496.3/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 593.146+/-0.329 $\chi^2$/NDF:21488.5/1

Out: 637.837+/-0.324 $\chi^2$/NDF:24641.3/2

All: 615.892+/-0.231 $\chi^2$/NDF: 55496.3/4

# asym_sam_15_dd_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -223.951+/-449.425 $\chi^2$/NDF:2.9/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 455.557+/-458.078 $\chi^2$/NDF:1.2/1

Left: 109.325+/-320.807 $\chi^2$/NDF: 5.2/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 455.557+/-458.078 $\chi^2$/NDF:1.2/1

Out: -223.951+/-449.425 $\chi^2$/NDF:2.9/2

All: 109.325+/-320.807 $\chi^2$/NDF: 5.2/4

# asym_sam_15_dd_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 626.432+/-0.318 $\chi^2$/NDF:24565.1/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 583.070+/-0.324 $\chi^2$/NDF:20007.9/1

Left: 605.164+/-0.227 $\chi^2$/NDF: 53704.4/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 583.070+/-0.324 $\chi^2$/NDF:20007.9/1

Out: 626.432+/-0.318 $\chi^2$/NDF:24565.1/2

All: 605.164+/-0.227 $\chi^2$/NDF: 53704.4/4

# dit_asym_sam_26_dd_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -298.630+/-147.027 $\chi^2$/NDF:2.0/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -125.919+/-160.980 $\chi^2$/NDF:1.2/1

Left: -220.083+/-108.562 $\chi^2$/NDF: 3.8/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -125.919+/-160.980 $\chi^2$/NDF:1.2/1

Out: -298.630+/-147.027 $\chi^2$/NDF:2.0/2

All: -220.083+/-108.562 $\chi^2$/NDF: 3.8/4

# dit_asym_sam_26_dd_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 205.800+/-0.104 $\chi^2$/NDF:4435.8/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 206.113+/-0.114 $\chi^2$/NDF:2649.7/1

Left: 205.942+/-0.077 $\chi^2$/NDF: 7089.6/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 206.113+/-0.114 $\chi^2$/NDF:2649.7/1

Out: 205.800+/-0.104 $\chi^2$/NDF:4435.8/2

All: 205.942+/-0.077 $\chi^2$/NDF: 7089.6/4

asym_sam_26_dd_correction_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -344.616+/-1069.787 $\chi^2$/NDF:7.4/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 201.814+/-1231.408 $\chi^2$/NDF:0.1/1

Left: -109.590+/-807.593 $\chi^2$/NDF: 7.6/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 201.814+/-1231.408 $\chi^2$/NDF:0.1/1

Out: -344.616+/-1069.787 $\chi^2$/NDF:7.4/2

All: -109.590+/-807.593 $\chi^2$/NDF: 7.6/4

# asym_sam_26_dd_correction_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 1491.336+/-0.756 $\chi^2$/NDF:9830.1/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 1571.502+/-0.871 $\chi^2$/NDF:17914.3/1

Left: 1525.816+/-0.571 $\chi^2$/NDF: 32574.8/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 1571.502+/-0.871 $\chi^2$/NDF:17914.3/1

Out: 1491.336+/-0.756 $\chi^2$/NDF:9830.1/2

All: 1525.816+/-0.571 $\chi^2$/NDF: 32574.8/4

# asym_sam_26_dd_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 67.956+/-1060.274 $\chi^2$/NDF:6.5/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -338.883+/-1221.461 $\chi^2$/NDF:0.0/1

Left: -106.866+/-800.694 $\chi^2$/NDF: 6.6/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -338.883+/-1221.461 $\chi^2$/NDF:0.0/1

Out: 67.956+/-1060.274 $\chi^2$/NDF:6.5/2

All: -106.866+/-800.694 $\chi^2$/NDF: 6.6/4

# asym_sam_26_dd_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 1477.678+/-0.750 $\chi^2$/NDF:8711.9/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 1558.617+/-0.864 $\chi^2$/NDF:18196.7/1

Left: 1512.458+/-0.566 $\chi^2$/NDF: 31916.9/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 1558.617+/-0.864 $\chi^2$/NDF:18196.7/1

Out: 1477.678+/-0.750 $\chi^2$/NDF:8711.9/2

All: 1512.458+/-0.566 $\chi^2$/NDF: 31916.9/4

# dit_asym_sam_37_dd_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -23.561+/-45.614 $\chi^2$/NDF:0.2/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -128.764+/-52.895 $\chi^2$/NDF:0.3/1

Left: -68.429+/-34.544 $\chi^2$/NDF: 2.7/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -128.764+/-52.895 $\chi^2$/NDF:0.3/1

Out: -23.561+/-45.614 $\chi^2$/NDF:0.2/2

All: -68.429+/-34.544 $\chi^2$/NDF: 2.7/4

# dit_asym_sam_37_dd_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 62.732+/-0.032 $\chi^2$/NDF:56337.5/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 65.614+/-0.037 $\chi^2$/NDF:157914.3/1

Left: 63.961+/-0.024 $\chi^2$/NDF: 217658.3/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 65.614+/-0.037 $\chi^2$/NDF:157914.3/1

Out: 62.732+/-0.032 $\chi^2$/NDF:56337.5/2

All: 63.961+/-0.024 $\chi^2$/NDF: 217658.3/4

asym_sam_37_dd_correction_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -72.963+/-260.292 $\chi^2$/NDF:7.6/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 294.981+/-296.464 $\chi^2$/NDF:1.0/1

Left: 87.205+/-195.600 $\chi^2$/NDF: 9.4/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 294.981+/-296.464 $\chi^2$/NDF:1.0/1

Out: -72.963+/-260.292 $\chi^2$/NDF:7.6/2

All: 87.205+/-195.600 $\chi^2$/NDF: 9.4/4

# asym_sam_37_dd_correction_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 355.915+/-0.184 $\chi^2$/NDF:134711.5/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 369.869+/-0.210 $\chi^2$/NDF:153523.4/1

Left: 361.989+/-0.138 $\chi^2$/NDF: 290736.6/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 369.869+/-0.210 $\chi^2$/NDF:153523.4/1

Out: 355.915+/-0.184 $\chi^2$/NDF:134711.5/2

All: 361.989+/-0.138 $\chi^2$/NDF: 290736.6/4

# asym_sam_37_dd_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 101.454+/-268.574 $\chi^2$/NDF:7.1/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -359.246+/-303.878 $\chi^2$/NDF:0.7/1

Left: -100.591+/-201.240 $\chi^2$/NDF: 9.2/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -359.246+/-303.878 $\chi^2$/NDF:0.7/1

Out: 101.454+/-268.574 $\chi^2$/NDF:7.1/2

All: -100.591+/-201.240 $\chi^2$/NDF: 9.2/4

# asym_sam_37_dd_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 368.115+/-0.190 $\chi^2$/NDF:82454.9/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 379.331+/-0.215 $\chi^2$/NDF:120931.7/1

Left: 373.034+/-0.142 $\chi^2$/NDF: 204916.2/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 379.331+/-0.215 $\chi^2$/NDF:120931.7/1

Out: 368.115+/-0.190 $\chi^2$/NDF:82454.9/2

All: 373.034+/-0.142 $\chi^2$/NDF: 204916.2/4

# dit_asym_sam_48_dd_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 227.789+/-108.479 $\chi^2$/NDF:3.9/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 62.066+/-106.366 $\chi^2$/NDF:0.2/1

Left: 143.298+/-75.948 $\chi^2$/NDF: 5.3/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 62.066+/-106.366 $\chi^2$/NDF:0.2/1

Out: 227.789+/-108.479 $\chi^2$/NDF:3.9/2

All: 143.298+/-75.948 $\chi^2$/NDF: 5.3/4

# dit_asym_sam_48_dd_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 150.313+/-0.077 $\chi^2$/NDF:17422.2/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 135.585+/-0.075 $\chi^2$/NDF:0.0/1

Left: 142.804+/-0.054 $\chi^2$/NDF: 36217.0/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 135.585+/-0.075 $\chi^2$/NDF:0.0/1

Out: 150.313+/-0.077 $\chi^2$/NDF:17422.2/2

All: 142.804+/-0.054 $\chi^2$/NDF: 36217.0/4

asym_sam_48_dd_correction_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -126.557+/-728.028 $\chi^2$/NDF:1.5/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 974.445+/-792.851 $\chi^2$/NDF:1.9/1

Left: 377.102+/-536.248 $\chi^2$/NDF: 4.4/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 974.445+/-792.851 $\chi^2$/NDF:1.9/1

Out: -126.557+/-728.028 $\chi^2$/NDF:1.5/2

All: 377.102+/-536.248 $\chi^2$/NDF: 4.4/4

# asym_sam_48_dd_correction_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 1006.765+/-0.515 $\chi^2$/NDF:88725.2/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 1007.773+/-0.561 $\chi^2$/NDF:37111.7/1

Left: 1007.226+/-0.379 $\chi^2$/NDF: 125838.7/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 1007.773+/-0.561 $\chi^2$/NDF:37111.7/1

Out: 1006.765+/-0.515 $\chi^2$/NDF:88725.2/2

All: 1007.226+/-0.379 $\chi^2$/NDF: 125838.7/4

# asym_sam_48_dd_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 421.227+/-719.433 $\chi^2$/NDF:2.3/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -824.121+/-783.204 $\chi^2$/NDF:1.9/1

Left: -148.690+/-529.829 $\chi^2$/NDF: 5.6/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -824.121+/-783.204 $\chi^2$/NDF:1.9/1

Out: 421.227+/-719.433 $\chi^2$/NDF:2.3/2

All: -148.690+/-529.829 $\chi^2$/NDF: 5.6/4

# asym_sam_48_dd_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 994.611+/-0.509 $\chi^2$/NDF:81281.4/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 992.790+/-0.554 $\chi^2$/NDF:35496.0/1

Left: 993.778+/-0.375 $\chi^2$/NDF: 116783.3/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 992.790+/-0.554 $\chi^2$/NDF:35496.0/1

Out: 994.611+/-0.509 $\chi^2$/NDF:81281.4/2

All: 993.778+/-0.375 $\chi^2$/NDF: 116783.3/4

# dit_asym_sam_13_57_dd_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -96.346+/-43.825 $\chi^2$/NDF:2.4/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -111.514+/-49.139 $\chi^2$/NDF:0.5/1

Left: -103.066+/-32.707 $\chi^2$/NDF: 2.9/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -111.514+/-49.139 $\chi^2$/NDF:0.5/1

Out: -96.346+/-43.825 $\chi^2$/NDF:2.4/2

All: -103.066+/-32.707 $\chi^2$/NDF: 2.9/4

# dit_asym_sam_13_57_dd_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 61.286+/-0.031 $\chi^2$/NDF:357.3/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 62.823+/-0.035 $\chi^2$/NDF:5158.7/1

Left: 61.967+/-0.023 $\chi^2$/NDF: 6605.5/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 62.823+/-0.035 $\chi^2$/NDF:5158.7/1

Out: 61.286+/-0.031 $\chi^2$/NDF:357.3/2

All: 61.967+/-0.023 $\chi^2$/NDF: 6605.5/4

asym_sam_13_57_dd_correction_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -90.630+/-263.563 $\chi^2$/NDF:6.5/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -9.709+/-288.585 $\chi^2$/NDF:0.0/1

Left: -53.829+/-194.613 $\chi^2$/NDF: 6.6/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -9.709+/-288.585 $\chi^2$/NDF:0.0/1

Out: -90.630+/-263.563 $\chi^2$/NDF:6.5/2

All: -53.829+/-194.613 $\chi^2$/NDF: 6.6/4

asym_sam_13_57_dd_correction_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 368.222+/-0.186 $\chi^2$/NDF:13437.1/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 369.541+/-0.204 $\chi^2$/NDF:969.4/1

Left: 368.822+/-0.138 $\chi^2$/NDF: 14429.3/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 369.541+/-0.204 $\chi^2$/NDF:969.4/1

Out: 368.222+/-0.186 $\chi^2$/NDF:13437.1/2

All: 368.822+/-0.138 $\chi^2$/NDF: 14429.3/4

# asym_sam_13_57_dd_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -61.517+/-257.144 $\chi^2$/NDF:5.6/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -63.929+/-282.225 $\chi^2$/NDF:0.1/1

Left: -62.611+/-190.078 $\chi^2$/NDF: 5.7/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -63.929+/-282.225 $\chi^2$/NDF:0.1/1

Out: -61.517+/-257.144 $\chi^2$/NDF:5.6/2

All: -62.611+/-190.078 $\chi^2$/NDF: 5.7/4

# asym_sam_13_57_dd_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 359.191+/-0.182 $\chi^2$/NDF:8695.9/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 361.169+/-0.200 $\chi^2$/NDF:972.7/1

Left: 360.088+/-0.134 $\chi^2$/NDF: 9722.2/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 361.169+/-0.200 $\chi^2$/NDF:972.7/1

Out: 359.191+/-0.182 $\chi^2$/NDF:8695.9/2

All: 360.088+/-0.134 $\chi^2$/NDF: 9722.2/4

# dit_asym_sam_15_37_dd_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -7.525+/-39.022 $\chi^2$/NDF:0.1/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 9.728+/-42.663 $\chi^2$/NDF:1.0/1

Left: 0.334+/-28.794 $\chi^2$/NDF: 1.1/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 9.728+/-42.663 $\chi^2$/NDF:1.0/1

Out: -7.525+/-39.022 $\chi^2$/NDF:0.1/2

All: 0.334+/-28.794 $\chi^2$/NDF: 1.1/4

# dit_asym_sam_15_37_dd_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 54.344+/-0.028 $\chi^2$/NDF:6058.6/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 53.939+/-0.030 $\chi^2$/NDF:50740.9/1

Left: 54.159+/-0.020 $\chi^2$/NDF: 56897.6/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 53.939+/-0.030 $\chi^2$/NDF:50740.9/1

Out: 54.344+/-0.028 $\chi^2$/NDF:6058.6/2

All: 54.159+/-0.020 $\chi^2$/NDF: 56897.6/4

asym_sam_15_37_dd_correction_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 99.945+/-253.550 $\chi^2$/NDF:7.6/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -119.152+/-291.799 $\chi^2$/NDF:0.3/1

Left: 5.688+/-191.391 $\chi^2$/NDF: 8.2/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -119.152+/-291.799 $\chi^2$/NDF:0.3/1

Out: 99.945+/-253.550 $\chi^2$/NDF:7.6/2

All: 5.688+/-191.391 $\chi^2$/NDF: 8.2/4

asym_sam_15_37_dd_correction_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 351.539+/-0.179 $\chi^2$/NDF:29245.4/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 369.984+/-0.206 $\chi^2$/NDF:54506.8/1

Left: 359.474+/-0.135 $\chi^2$/NDF: 88305.6/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 369.984+/-0.206 $\chi^2$/NDF:54506.8/1

Out: 351.539+/-0.179 $\chi^2$/NDF:29245.4/2

All: 359.474+/-0.135 $\chi^2$/NDF: 88305.6/4

# asym_sam_15_37_dd_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -152.523+/-255.187 $\chi^2$/NDF:7.9/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 115.598+/-294.894 $\chi^2$/NDF:0.2/1

Left: -37.716+/-192.967 $\chi^2$/NDF: 8.6/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 115.598+/-294.894 $\chi^2$/NDF:0.2/1

Out: -152.523+/-255.187 $\chi^2$/NDF:7.9/2

All: -37.716+/-192.967 $\chi^2$/NDF: 8.6/4

# asym_sam_15_37_dd_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 353.519+/-0.180 $\chi^2$/NDF:16384.8/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 373.798+/-0.209 $\chi^2$/NDF:46582.7/1

Left: 362.202+/-0.136 $\chi^2$/NDF: 68376.0/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 373.798+/-0.209 $\chi^2$/NDF:46582.7/1

Out: 353.519+/-0.180 $\chi^2$/NDF:16384.8/2

All: 362.202+/-0.136 $\chi^2$/NDF: 68376.0/4

# dit_asym_sam_24_68_dd_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -9.608+/-77.892 $\chi^2$/NDF:1.5/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -46.443+/-78.301 $\chi^2$/NDF:0.3/1

Left: -27.929+/-55.222 $\chi^2$/NDF: 1.9/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -46.443+/-78.301 $\chi^2$/NDF:0.3/1

Out: -9.608+/-77.892 $\chi^2$/NDF:1.5/2

All: -27.929+/-55.222 $\chi^2$/NDF: 1.9/4

# dit_asym_sam_24_68_dd_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 108.509+/-0.055 $\chi^2$/NDF:2879.2/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 100.008+/-0.055 $\chi^2$/NDF:67.3/1

Left: 104.281+/-0.039 $\chi^2$/NDF: 14795.4/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 100.008+/-0.055 $\chi^2$/NDF:67.3/1

Out: 108.509+/-0.055 $\chi^2$/NDF:2879.2/2

All: 104.281+/-0.039 $\chi^2$/NDF: 14795.4/4

asym_sam_24_68_dd_correction_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -297.554+/-646.397 $\chi^2$/NDF:8.8/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 563.300+/-752.740 $\chi^2$/NDF:1.1/1

Left: 67.819+/-490.397 $\chi^2$/NDF: 10.6/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 563.300+/-752.740 $\chi^2$/NDF:1.1/1

Out: -297.554+/-646.397 $\chi^2$/NDF:8.8/2

All: 67.819+/-490.397 $\chi^2$/NDF: 10.6/4

asym_sam_24_68_dd_correction_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 893.182+/-0.457 $\chi^2$/NDF:48787.7/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 946.952+/-0.532 $\chi^2$/NDF:101203.2/1

Left: 916.004+/-0.347 $\chi^2$/NDF: 155864.5/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 946.952+/-0.532 $\chi^2$/NDF:101203.2/1

Out: 893.182+/-0.457 $\chi^2$/NDF:48787.7/2

All: 916.004+/-0.347 $\chi^2$/NDF: 155864.5/4

# asym_sam_24_68_dd_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 339.262+/-649.158 $\chi^2$/NDF:8.0/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -597.234+/-758.937 $\chi^2$/NDF:0.8/1

Left: -56.416+/-493.314 $\chi^2$/NDF: 9.8/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -597.234+/-758.937 $\chi^2$/NDF:0.8/1

Out: 339.262+/-649.158 $\chi^2$/NDF:8.0/2

All: -56.416+/-493.314 $\chi^2$/NDF: 9.8/4

# asym_sam_24_68_dd_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 896.977+/-0.459 $\chi^2$/NDF:38144.2/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 955.249+/-0.537 $\chi^2$/NDF:95501.9/1

Left: 921.598+/-0.349 $\chi^2$/NDF: 140455.0/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 955.249+/-0.537 $\chi^2$/NDF:95501.9/1

Out: 896.977+/-0.459 $\chi^2$/NDF:38144.2/2

All: 921.598+/-0.349 $\chi^2$/NDF: 140455.0/4

# dit_asym_sam_26_48_dd_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 14.732+/-76.590 $\chi^2$/NDF:2.9/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 109.551+/-76.570 $\chi^2$/NDF:0.2/1

Left: 62.154+/-54.150 $\chi^2$/NDF: 3.9/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 109.551+/-76.570 $\chi^2$/NDF:0.2/1

Out: 14.732+/-76.590 $\chi^2$/NDF:2.9/2

All: 62.154+/-54.150 $\chi^2$/NDF: 3.9/4

# dit_asym_sam_26_48_dd_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 106.512+/-0.054 $\chi^2$/NDF:23246.8/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 97.839+/-0.054 $\chi^2$/NDF:305.2/1

Left: 102.174+/-0.038 $\chi^2$/NDF: 36378.2/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 97.839+/-0.054 $\chi^2$/NDF:305.2/1

Out: 106.512+/-0.054 $\chi^2$/NDF:23246.8/2

All: 102.174+/-0.038 $\chi^2$/NDF: 36378.2/4

asym_sam_26_48_dd_correction_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 59.448+/-380.584 $\chi^2$/NDF:0.6/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -539.171+/-405.969 $\chi^2$/NDF:1.1/1

Left: -220.562+/-277.654 $\chi^2$/NDF: 2.9/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -539.171+/-405.969 $\chi^2$/NDF:1.1/1

Out: 59.448+/-380.584 $\chi^2$/NDF:0.6/2

All: -220.562+/-277.654 $\chi^2$/NDF: 2.9/4

asym_sam_26_48_dd_correction_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 526.755+/-0.269 $\chi^2$/NDF:76361.0/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 517.135+/-0.287 $\chi^2$/NDF:3866.5/1

Left: 522.255+/-0.196 $\chi^2$/NDF: 80825.3/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 517.135+/-0.287 $\chi^2$/NDF:3866.5/1

Out: 526.755+/-0.269 $\chi^2$/NDF:76361.0/2

All: 522.255+/-0.196 $\chi^2$/NDF: 80825.3/4

# asym_sam_26_48_dd_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -75.385+/-364.343 $\chi^2$/NDF:1.2/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 607.320+/-393.272 $\chi^2$/NDF:1.5/1

Left: 239.937+/-267.272 $\chi^2$/NDF: 4.3/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 607.320+/-393.272 $\chi^2$/NDF:1.5/1

Out: -75.385+/-364.343 $\chi^2$/NDF:1.2/2

All: 239.937+/-267.272 $\chi^2$/NDF: 4.3/4

# asym_sam_26_48_dd_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 503.633+/-0.258 $\chi^2$/NDF:78398.4/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 499.960+/-0.278 $\chi^2$/NDF:9002.2/1

Left: 501.936+/-0.189 $\chi^2$/NDF: 87494.5/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 499.960+/-0.278 $\chi^2$/NDF:9002.2/1

Out: 503.633+/-0.258 $\chi^2$/NDF:78398.4/2

All: 501.936+/-0.189 $\chi^2$/NDF: 87494.5/4

# dit_asym_sam_1548_avg_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 17.638+/-96.143 $\chi^2$/NDF:4.2/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -46.913+/-88.377 $\chi^2$/NDF:0.0/1

Left: -17.349+/-65.065 $\chi^2$/NDF: 4.5/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -46.913+/-88.377 $\chi^2$/NDF:0.0/1

Out: 17.638+/-96.143 $\chi^2$/NDF:4.2/2

All: -17.349+/-65.065 $\chi^2$/NDF: 4.5/4

# dit_asym_sam_1548_avg_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 132.177+/-0.068 $\chi^2$/NDF:36056.1/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 112.361+/-0.062 $\chi^2$/NDF:1032.1/1

Left: 121.436+/-0.046 $\chi^2$/NDF: 83142.6/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 112.361+/-0.062 $\chi^2$/NDF:1032.1/1

Out: 132.177+/-0.068 $\chi^2$/NDF:36056.1/2

All: 121.436+/-0.046 $\chi^2$/NDF: 83142.6/4

asym_sam_1548_avg_correction_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -156.740+/-517.445 $\chi^2$/NDF:1.4/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 704.339+/-570.105 $\chi^2$/NDF:2.0/1

Left: 232.203+/-383.157 $\chi^2$/NDF: 4.6/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 704.339+/-570.105 $\chi^2$/NDF:2.0/1

Out: -156.740+/-517.445 $\chi^2$/NDF:1.4/2

All: 232.203+/-383.157 $\chi^2$/NDF: 4.6/4

asym_sam_1548_avg_correction_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 714.673+/-0.366 $\chi^2$/NDF:93559.0/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 723.005+/-0.403 $\chi^2$/NDF:49834.8/1

Left: 718.436+/-0.271 $\chi^2$/NDF: 143628.0/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 723.005+/-0.403 $\chi^2$/NDF:49834.8/1

Out: 714.673+/-0.366 $\chi^2$/NDF:93559.0/2

All: 718.436+/-0.271 $\chi^2$/NDF: 143628.0/4

# asym_sam_1548_avg_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 225.847+/-505.110 $\chi^2$/NDF:2.4/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -731.501+/-560.607 $\chi^2$/NDF:2.0/1

Left: -203.109+/-375.258 $\chi^2$/NDF: 6.0/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -731.501+/-560.607 $\chi^2$/NDF:2.0/1

Out: 225.847+/-505.110 $\chi^2$/NDF:2.4/2

All: -203.109+/-375.258 $\chi^2$/NDF: 6.0/4

# asym_sam_1548_avg_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 697.141+/-0.357 $\chi^2$/NDF:87288.8/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 709.533+/-0.396 $\chi^2$/NDF:55295.7/1

Left: 702.693+/-0.265 $\chi^2$/NDF: 143123.8/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 709.533+/-0.396 $\chi^2$/NDF:55295.7/1

Out: 697.141+/-0.357 $\chi^2$/NDF:87288.8/2

All: 702.693+/-0.265 $\chi^2$/NDF: 143123.8/4

# dit_asym_sam_3748_avg_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 43.739+/-106.976 $\chi^2$/NDF:3.6/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -38.877+/-97.771 $\chi^2$/NDF:0.1/1

Left: -1.275+/-72.170 $\chi^2$/NDF: 4.1/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -38.877+/-97.771 $\chi^2$/NDF:0.1/1

Out: 43.739+/-106.976 $\chi^2$/NDF:3.6/2

All: -1.275+/-72.170 $\chi^2$/NDF: 4.1/4

# dit_asym_sam_3748_avg_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 146.611+/-0.076 $\chi^2$/NDF:26455.3/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 123.995+/-0.069 $\chi^2$/NDF:2833.1/1

Left: 134.288+/-0.051 $\chi^2$/NDF: 77992.9/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 123.995+/-0.069 $\chi^2$/NDF:2833.1/1

Out: 146.611+/-0.076 $\chi^2$/NDF:26455.3/2

All: 134.288+/-0.051 $\chi^2$/NDF: 77992.9/4

asym_sam_3748_avg_correction_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -240.124+/-624.293 $\chi^2$/NDF:4.6/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 732.166+/-703.627 $\chi^2$/NDF:2.1/1

Left: 188.140+/-466.982 $\chi^2$/NDF: 7.8/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 732.166+/-703.627 $\chi^2$/NDF:2.1/1

Out: -240.124+/-624.293 $\chi^2$/NDF:4.6/2

All: 188.140+/-466.982 $\chi^2$/NDF: 7.8/4

asym_sam_3748_avg_correction_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 858.731+/-0.441 $\chi^2$/NDF:107106.3/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 883.771+/-0.498 $\chi^2$/NDF:114542.2/1

Left: 869.761+/-0.330 $\chi^2$/NDF: 223065.8/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 883.771+/-0.498 $\chi^2$/NDF:114542.2/1

Out: 858.731+/-0.441 $\chi^2$/NDF:107106.3/2

All: 869.761+/-0.330 $\chi^2$/NDF: 223065.8/4

# asym_sam_3748_avg_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 356.730+/-621.952 $\chi^2$/NDF:5.7/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -780.250+/-705.532 $\chi^2$/NDF:1.7/1

Left: -140.458+/-466.552 $\chi^2$/NDF: 8.9/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -780.250+/-705.532 $\chi^2$/NDF:1.7/1

Out: 356.730+/-621.952 $\chi^2$/NDF:5.7/2

All: -140.458+/-466.552 $\chi^2$/NDF: 8.9/4

# asym_sam_3748_avg_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 855.827+/-0.440 $\chi^2$/NDF:84850.4/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 885.422+/-0.499 $\chi^2$/NDF:107732.4/1

Left: 868.768+/-0.330 $\chi^2$/NDF: 194563.1/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 885.422+/-0.499 $\chi^2$/NDF:107732.4/1

Out: 855.827+/-0.440 $\chi^2$/NDF:84850.4/2

All: 868.768+/-0.330 $\chi^2$/NDF: 194563.1/4

# dit_asym_sam_1526_avg_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 61.400+/-57.175 $\chi^2$/NDF:1.3/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 47.982+/-55.424 $\chi^2$/NDF:0.3/1

Left: 54.482+/-39.795 $\chi^2$/NDF: 1.7/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 47.982+/-55.424 $\chi^2$/NDF:0.3/1

Out: 61.400+/-57.175 $\chi^2$/NDF:1.3/2

All: 54.482+/-39.795 $\chi^2$/NDF: 1.7/4

# dit_asym_sam_1526_avg_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 79.231+/-0.040 $\chi^2$/NDF:6757.9/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 70.696+/-0.039 $\chi^2$/NDF:1444.2/1

Left: 74.831+/-0.028 $\chi^2$/NDF: 31178.1/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 70.696+/-0.039 $\chi^2$/NDF:1444.2/1

Out: 79.231+/-0.040 $\chi^2$/NDF:6757.9/2

All: 74.831+/-0.028 $\chi^2$/NDF: 31178.1/4

asym_sam_1526_avg_correction_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -106.861+/-211.846 $\chi^2$/NDF:6.9/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 201.608+/-243.383 $\chi^2$/NDF:2.0/1

Left: 26.105+/-159.792 $\chi^2$/NDF: 9.8/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 201.608+/-243.383 $\chi^2$/NDF:2.0/1

Out: -106.861+/-211.846 $\chi^2$/NDF:6.9/2

All: 26.105+/-159.792 $\chi^2$/NDF: 9.8/4

asym_sam_1526_avg_correction_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 291.401+/-0.150 $\chi^2$/NDF:93002.9/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 304.274+/-0.172 $\chi^2$/NDF:142158.3/1

Left: 296.950+/-0.113 $\chi^2$/NDF: 238344.5/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 304.274+/-0.172 $\chi^2$/NDF:142158.3/1

Out: 291.401+/-0.150 $\chi^2$/NDF:93002.9/2

All: 296.950+/-0.113 $\chi^2$/NDF: 238344.5/4

# asym_sam_1526_avg_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 194.497+/-219.942 $\chi^2$/NDF:6.8/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -154.583+/-252.986 $\chi^2$/NDF:1.4/1

Left: 44.229+/-165.985 $\chi^2$/NDF: 9.3/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -154.583+/-252.986 $\chi^2$/NDF:1.4/1

Out: 194.497+/-219.942 $\chi^2$/NDF:6.8/2

All: 44.229+/-165.985 $\chi^2$/NDF: 9.3/4

# asym_sam_1526_avg_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 302.786+/-0.156 $\chi^2$/NDF:62018.9/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 316.734+/-0.179 $\chi^2$/NDF:124015.0/1

Left: 308.790+/-0.117 $\chi^2$/NDF: 189496.3/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 316.734+/-0.179 $\chi^2$/NDF:124015.0/1

Out: 302.786+/-0.156 $\chi^2$/NDF:62018.9/2

All: 308.790+/-0.117 $\chi^2$/NDF: 189496.3/4

# dit_asym_sam_3726_avg_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 73.714+/-83.049 $\chi^2$/NDF:0.6/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 41.919+/-82.944 $\chi^2$/NDF:0.6/1

Left: 57.796+/-58.688 $\chi^2$/NDF: 1.3/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 41.919+/-82.944 $\chi^2$/NDF:0.6/1

Out: 73.714+/-83.049 $\chi^2$/NDF:0.6/2

All: 57.796+/-58.688 $\chi^2$/NDF: 1.3/4

# dit_asym_sam_3726_avg_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 115.014+/-0.059 $\chi^2$/NDF:1382.7/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 105.282+/-0.059 $\chi^2$/NDF:22207.4/1

Left: 110.142+/-0.041 $\chi^2$/NDF: 37338.8/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 105.282+/-0.059 $\chi^2$/NDF:22207.4/1

Out: 115.014+/-0.059 $\chi^2$/NDF:1382.7/2

All: 110.142+/-0.041 $\chi^2$/NDF: 37338.8/4

asym_sam_3726_avg_correction_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -249.845+/-444.461 $\chi^2$/NDF:8.3/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 333.667+/-513.438 $\chi^2$/NDF:1.2/1

Left: 0.110+/-336.042 $\chi^2$/NDF: 10.3/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 333.667+/-513.438 $\chi^2$/NDF:1.2/1

Out: -249.845+/-444.461 $\chi^2$/NDF:8.3/2

All: 0.110+/-336.042 $\chi^2$/NDF: 10.3/4

asym_sam_3726_avg_correction_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 613.447+/-0.314 $\chi^2$/NDF:59023.5/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 645.589+/-0.363 $\chi^2$/NDF:104981.3/1

Left: 627.216+/-0.238 $\chi^2$/NDF: 168485.2/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 645.589+/-0.363 $\chi^2$/NDF:104981.3/1

Out: 613.447+/-0.314 $\chi^2$/NDF:59023.5/2

All: 627.216+/-0.238 $\chi^2$/NDF: 168485.2/4

# asym_sam_3726_avg_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 373.686+/-451.313 $\chi^2$/NDF:8.1/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -271.003+/-523.679 $\chi^2$/NDF:0.7/1

Left: 98.929+/-341.872 $\chi^2$/NDF: 9.7/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -271.003+/-523.679 $\chi^2$/NDF:0.7/1

Out: 373.686+/-451.313 $\chi^2$/NDF:8.1/2

All: 98.929+/-341.872 $\chi^2$/NDF: 9.7/4

# asym_sam_3726_avg_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 622.521+/-0.319 $\chi^2$/NDF:35855.7/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 658.405+/-0.370 $\chi^2$/NDF:95144.2/1

Left: 637.814+/-0.242 $\chi^2$/NDF: 136388.6/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 658.405+/-0.370 $\chi^2$/NDF:95144.2/1

Out: 622.521+/-0.319 $\chi^2$/NDF:35855.7/2

All: 637.814+/-0.242 $\chi^2$/NDF: 136388.6/4

# dit_asym_sam_15_48_dd_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 27.721+/-57.696 $\chi^2$/NDF:4.6/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 27.869+/-51.572 $\chi^2$/NDF:0.1/1

Left: 27.803+/-38.450 $\chi^2$/NDF: 4.7/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 27.869+/-51.572 $\chi^2$/NDF:0.1/1

Out: 27.721+/-57.696 $\chi^2$/NDF:4.6/2

All: 27.803+/-38.450 $\chi^2$/NDF: 4.7/4

# dit_asym_sam_15_48_dd_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 78.865+/-0.041 $\chi^2$/NDF:28303.5/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 65.298+/-0.036 $\chi^2$/NDF:20.7/1

Left: 71.323+/-0.027 $\chi^2$/NDF: 89802.6/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 65.298+/-0.036 $\chi^2$/NDF:20.7/1

Out: 78.865+/-0.041 $\chi^2$/NDF:28303.5/2

All: 71.323+/-0.027 $\chi^2$/NDF: 89802.6/4

asym_sam_15_48_dd_correction_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 135.487+/-345.967 $\chi^2$/NDF:5.1/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -402.183+/-390.004 $\chi^2$/NDF:2.1/1

Left: -101.291+/-258.811 $\chi^2$/NDF: 8.2/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -402.183+/-390.004 $\chi^2$/NDF:2.1/1

Out: 135.487+/-345.967 $\chi^2$/NDF:5.1/2

All: -101.291+/-258.811 $\chi^2$/NDF: 8.2/4

asym_sam_15_48_dd_correction_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 475.863+/-0.245 $\chi^2$/NDF:104920.9/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 489.723+/-0.276 $\chi^2$/NDF:115529.9/1

Left: 481.967+/-0.183 $\chi^2$/NDF: 221864.3/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 489.723+/-0.276 $\chi^2$/NDF:115529.9/1

Out: 475.863+/-0.245 $\chi^2$/NDF:104920.9/2

All: 481.967+/-0.183 $\chi^2$/NDF: 221864.3/4

# asym_sam_15_48_dd_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -150.691+/-343.995 $\chi^2$/NDF:6.3/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 443.925+/-390.883 $\chi^2$/NDF:1.7/1

Left: 108.832+/-258.236 $\chi^2$/NDF: 9.3/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 443.925+/-390.883 $\chi^2$/NDF:1.7/1

Out: -150.691+/-343.995 $\chi^2$/NDF:6.3/2

All: 108.832+/-258.236 $\chi^2$/NDF: 9.3/4

# asym_sam_15_48_dd_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 473.243+/-0.243 $\chi^2$/NDF:86233.6/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 490.422+/-0.276 $\chi^2$/NDF:109434.8/1

Left: 480.741+/-0.183 $\chi^2$/NDF: 197845.4/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 490.422+/-0.276 $\chi^2$/NDF:109434.8/1

Out: 473.243+/-0.243 $\chi^2$/NDF:86233.6/2

All: 480.741+/-0.183 $\chi^2$/NDF: 197845.4/4

# dit_asym_sam_37_48_dd_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 46.699+/-55.359 $\chi^2$/NDF:5.0/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 41.484+/-54.458 $\chi^2$/NDF:0.1/1

Left: 44.049+/-38.823 $\chi^2$/NDF: 5.1/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 41.484+/-54.458 $\chi^2$/NDF:0.1/1

Out: 46.699+/-55.359 $\chi^2$/NDF:5.0/2

All: 44.049+/-38.823 $\chi^2$/NDF: 5.1/4

# dit_asym_sam_37_48_dd_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 76.454+/-0.039 $\chi^2$/NDF:44837.7/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 69.432+/-0.039 $\chi^2$/NDF:460.3/1

Left: 72.885+/-0.027 $\chi^2$/NDF: 61652.4/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 69.432+/-0.039 $\chi^2$/NDF:460.3/1

Out: 76.454+/-0.039 $\chi^2$/NDF:44837.7/2

All: 72.885+/-0.027 $\chi^2$/NDF: 61652.4/4

asym_sam_37_48_dd_correction_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 53.247+/-273.303 $\chi^2$/NDF:0.6/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -389.171+/-293.078 $\chi^2$/NDF:1.3/1

Left: -152.534+/-199.880 $\chi^2$/NDF: 3.1/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -389.171+/-293.078 $\chi^2$/NDF:1.3/1

Out: 53.247+/-273.303 $\chi^2$/NDF:0.6/2

All: -152.534+/-199.880 $\chi^2$/NDF: 3.1/4

asym_sam_37_48_dd_correction_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 378.476+/-0.193 $\chi^2$/NDF:73020.8/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 373.447+/-0.207 $\chi^2$/NDF:4782.4/1

Left: 376.137+/-0.141 $\chi^2$/NDF: 78118.2/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 373.447+/-0.207 $\chi^2$/NDF:4782.4/1

Out: 378.476+/-0.193 $\chi^2$/NDF:73020.8/2

All: 376.137+/-0.141 $\chi^2$/NDF: 78118.2/4

# asym_sam_37_48_dd_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -38.889+/-263.054 $\chi^2$/NDF:1.4/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 412.402+/-285.228 $\chi^2$/NDF:1.6/1

Left: 168.535+/-193.372 $\chi^2$/NDF: 4.4/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 412.402+/-285.228 $\chi^2$/NDF:1.6/1

Out: -38.889+/-263.054 $\chi^2$/NDF:1.4/2

All: 168.535+/-193.372 $\chi^2$/NDF: 4.4/4

# asym_sam_37_48_dd_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 363.754+/-0.186 $\chi^2$/NDF:76869.3/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 362.989+/-0.202 $\chi^2$/NDF:9696.1/1

Left: 363.402+/-0.137 $\chi^2$/NDF: 86573.2/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 362.989+/-0.202 $\chi^2$/NDF:9696.1/1

Out: 363.754+/-0.186 $\chi^2$/NDF:76869.3/2

All: 363.402+/-0.137 $\chi^2$/NDF: 86573.2/4

# dit_asym_sam_15_26_dd_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 21.484+/-53.953 $\chi^2$/NDF:0.0/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -58.831+/-58.176 $\chi^2$/NDF:1.0/1

Left: -15.653+/-39.559 $\chi^2$/NDF: 2.1/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -58.831+/-58.176 $\chi^2$/NDF:1.0/1

Out: 21.484+/-53.953 $\chi^2$/NDF:0.0/2

All: -15.653+/-39.559 $\chi^2$/NDF: 2.1/4

# dit_asym_sam_15_26_dd_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 75.459+/-0.038 $\chi^2$/NDF:1364.3/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 74.444+/-0.041 $\chi^2$/NDF:2268.6/1

Left: 74.990+/-0.028 $\chi^2$/NDF: 3960.2/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 74.444+/-0.041 $\chi^2$/NDF:2268.6/1

Out: 75.459+/-0.038 $\chi^2$/NDF:1364.3/2

All: 74.990+/-0.028 $\chi^2$/NDF: 3960.2/4

asym_sam_15_26_dd_correction_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 99.268+/-289.984 $\chi^2$/NDF:6.2/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 33.552+/-326.627 $\chi^2$/NDF:0.1/1

Left: 70.301+/-216.852 $\chi^2$/NDF: 6.3/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 33.552+/-326.627 $\chi^2$/NDF:0.1/1

Out: 99.268+/-289.984 $\chi^2$/NDF:6.2/2

All: 70.301+/-216.852 $\chi^2$/NDF: 6.3/4

asym_sam_15_26_dd_correction_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 403.868+/-0.205 $\chi^2$/NDF:17697.2/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 417.311+/-0.231 $\chi^2$/NDF:10660.6/1

Left: 409.793+/-0.153 $\chi^2$/NDF: 30252.4/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 417.311+/-0.231 $\chi^2$/NDF:10660.6/1

Out: 403.868+/-0.205 $\chi^2$/NDF:17697.2/2

All: 409.793+/-0.153 $\chi^2$/NDF: 30252.4/4

# asym_sam_15_26_dd_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -99.010+/-287.098 $\chi^2$/NDF:6.0/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -112.035+/-323.757 $\chi^2$/NDF:0.0/1

Left: -104.744+/-214.805 $\chi^2$/NDF: 6.0/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -112.035+/-323.757 $\chi^2$/NDF:0.0/1

Out: -99.010+/-287.098 $\chi^2$/NDF:6.0/2

All: -104.744+/-214.805 $\chi^2$/NDF: 6.0/4

# asym_sam_15_26_dd_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 399.325+/-0.203 $\chi^2$/NDF:12325.0/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 412.771+/-0.229 $\chi^2$/NDF:13557.9/1

Left: 405.244+/-0.152 $\chi^2$/NDF: 27814.0/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 412.771+/-0.229 $\chi^2$/NDF:13557.9/1

Out: 399.325+/-0.203 $\chi^2$/NDF:12325.0/2

All: 405.244+/-0.152 $\chi^2$/NDF: 27814.0/4

# dit_asym_sam_37_26_dd_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 18.987+/-35.133 $\chi^2$/NDF:0.1/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -64.052+/-38.093 $\chi^2$/NDF:0.3/1

Left: -19.182+/-25.826 $\chi^2$/NDF: 3.0/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -64.052+/-38.093 $\chi^2$/NDF:0.3/1

Out: 18.987+/-35.133 $\chi^2$/NDF:0.1/2

All: -19.182+/-25.826 $\chi^2$/NDF: 3.0/4

# dit_asym_sam_37_26_dd_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 49.146+/-0.025 $\chi^2$/NDF:5511.7/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 48.778+/-0.027 $\chi^2$/NDF:1688.6/1

Left: 48.977+/-0.018 $\chi^2$/NDF: 7301.3/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 48.778+/-0.027 $\chi^2$/NDF:1688.6/1

Out: 49.146+/-0.025 $\chi^2$/NDF:5511.7/2

All: 48.977+/-0.018 $\chi^2$/NDF: 7301.3/4

asym_sam_37_26_dd_correction_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -6.773+/-108.076 $\chi^2$/NDF:0.8/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 150.288+/-113.453 $\chi^2$/NDF:0.7/1

Left: 67.948+/-78.253 $\chi^2$/NDF: 2.5/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 150.288+/-113.453 $\chi^2$/NDF:0.7/1

Out: -6.773+/-108.076 $\chi^2$/NDF:0.8/2

All: 67.948+/-78.253 $\chi^2$/NDF: 2.5/4

asym_sam_37_26_dd_correction_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 149.406+/-0.076 $\chi^2$/NDF:83545.7/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 144.401+/-0.080 $\chi^2$/NDF:2162.6/1

Left: 147.025+/-0.055 $\chi^2$/NDF: 87748.3/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 144.401+/-0.080 $\chi^2$/NDF:2162.6/1

Out: 149.406+/-0.076 $\chi^2$/NDF:83545.7/2

All: 147.025+/-0.055 $\chi^2$/NDF: 87748.3/4

# asym_sam_37_26_dd_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 36.071+/-104.347 $\chi^2$/NDF:0.7/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -198.601+/-111.613 $\chi^2$/NDF:1.2/1

Left: -73.378+/-76.224 $\chi^2$/NDF: 4.3/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -198.601+/-111.613 $\chi^2$/NDF:1.2/1

Out: 36.071+/-104.347 $\chi^2$/NDF:0.7/2

All: -73.378+/-76.224 $\chi^2$/NDF: 4.3/4

# asym_sam_37_26_dd_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 144.260+/-0.074 $\chi^2$/NDF:74541.3/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 141.586+/-0.079 $\chi^2$/NDF:8172.6/1

Left: 143.013+/-0.054 $\chi^2$/NDF: 83326.4/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 141.586+/-0.079 $\chi^2$/NDF:8172.6/1

Out: 144.260+/-0.074 $\chi^2$/NDF:74541.3/2

All: 143.013+/-0.054 $\chi^2$/NDF: 83326.4/4

# dit_asym_sam_1357_avg_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 70.836+/-53.291 $\chi^2$/NDF:2.1/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -12.154+/-51.115 $\chi^2$/NDF:0.1/1

Left: 27.612+/-36.889 $\chi^2$/NDF: 3.4/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -12.154+/-51.115 $\chi^2$/NDF:0.1/1

Out: 70.836+/-53.291 $\chi^2$/NDF:2.1/2

All: 27.612+/-36.889 $\chi^2$/NDF: 3.4/4

# dit_asym_sam_1357_avg_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 73.371+/-0.038 $\chi^2$/NDF:24016.8/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 64.861+/-0.036 $\chi^2$/NDF:16616.4/1

Left: 68.939+/-0.026 $\chi^2$/NDF: 67192.3/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 64.861+/-0.036 $\chi^2$/NDF:16616.4/1

Out: 73.371+/-0.038 $\chi^2$/NDF:24016.8/2

All: 68.939+/-0.026 $\chi^2$/NDF: 67192.3/4

asym_sam_1357_avg_correction_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -74.573+/-283.291 $\chi^2$/NDF:3.4/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 343.291+/-319.570 $\chi^2$/NDF:1.6/1

Left: 109.304+/-211.988 $\chi^2$/NDF: 6.0/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 343.291+/-319.570 $\chi^2$/NDF:1.6/1

Out: -74.573+/-283.291 $\chi^2$/NDF:3.4/2

All: 109.304+/-211.988 $\chi^2$/NDF: 6.0/4

asym_sam_1357_avg_correction_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 390.092+/-0.200 $\chi^2$/NDF:104362.5/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 402.213+/-0.226 $\chi^2$/NDF:102419.4/1

Left: 395.426+/-0.150 $\chi^2$/NDF: 208393.1/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 402.213+/-0.226 $\chi^2$/NDF:102419.4/1

Out: 390.092+/-0.200 $\chi^2$/NDF:104362.5/2

All: 395.426+/-0.150 $\chi^2$/NDF: 208393.1/4

# asym_sam_1357_avg_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 205.665+/-279.214 $\chi^2$/NDF:4.9/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -338.243+/-316.045 $\chi^2$/NDF:1.7/1

Left: -32.764+/-209.250 $\chi^2$/NDF: 8.3/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -338.243+/-316.045 $\chi^2$/NDF:1.7/1

Out: 205.665+/-279.214 $\chi^2$/NDF:4.9/2

All: -32.764+/-209.250 $\chi^2$/NDF: 8.3/4

# asym_sam_1357_avg_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 384.387+/-0.197 $\chi^2$/NDF:82170.4/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 396.868+/-0.223 $\chi^2$/NDF:104018.1/1

Left: 389.858+/-0.148 $\chi^2$/NDF: 187940.2/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 396.868+/-0.223 $\chi^2$/NDF:104018.1/1

Out: 384.387+/-0.197 $\chi^2$/NDF:82170.4/2

All: 389.858+/-0.148 $\chi^2$/NDF: 187940.2/4

# dit_asym_sam_2468_avg_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 33.080+/-103.220 $\chi^2$/NDF:3.3/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 24.175+/-92.606 $\chi^2$/NDF:0.3/1

Left: 28.146+/-68.930 $\chi^2$/NDF: 3.5/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 24.175+/-92.606 $\chi^2$/NDF:0.3/1

Out: 33.080+/-103.220 $\chi^2$/NDF:3.3/2

All: 28.146+/-68.930 $\chi^2$/NDF: 3.5/4

# dit_asym_sam_2468_avg_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 141.671+/-0.073 $\chi^2$/NDF:12003.0/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 117.511+/-0.065 $\chi^2$/NDF:416.7/1

Left: 128.285+/-0.049 $\chi^2$/NDF: 73127.1/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 117.511+/-0.065 $\chi^2$/NDF:416.7/1

Out: 141.671+/-0.073 $\chi^2$/NDF:12003.0/2

All: 128.285+/-0.049 $\chi^2$/NDF: 73127.1/4

asym_sam_2468_avg_correction_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -240.748+/-552.231 $\chi^2$/NDF:5.8/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 600.086+/-627.698 $\chi^2$/NDF:2.1/1

Left: 126.109+/-414.614 $\chi^2$/NDF: 9.0/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 600.086+/-627.698 $\chi^2$/NDF:2.1/1

Out: -240.748+/-552.231 $\chi^2$/NDF:5.8/2

All: 126.109+/-414.614 $\chi^2$/NDF: 9.0/4

asym_sam_2468_avg_correction_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 759.418+/-0.390 $\chi^2$/NDF:101947.7/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 786.573+/-0.444 $\chi^2$/NDF:128377.8/1

Left: 771.266+/-0.293 $\chi^2$/NDF: 232435.5/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 786.573+/-0.444 $\chi^2$/NDF:128377.8/1

Out: 759.418+/-0.390 $\chi^2$/NDF:101947.7/2

All: 771.266+/-0.293 $\chi^2$/NDF: 232435.5/4

# asym_sam_2468_avg_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 338.742+/-557.174 $\chi^2$/NDF:6.7/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -601.742+/-636.498 $\chi^2$/NDF:1.6/1

Left: -69.276+/-419.238 $\chi^2$/NDF: 9.6/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -601.742+/-636.498 $\chi^2$/NDF:1.6/1

Out: 338.742+/-557.174 $\chi^2$/NDF:6.7/2

All: -69.276+/-419.238 $\chi^2$/NDF: 9.6/4

# asym_sam_2468_avg_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 766.631+/-0.394 $\chi^2$/NDF:77932.5/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 797.653+/-0.450 $\chi^2$/NDF:117921.6/1

Left: 780.090+/-0.296 $\chi^2$/NDF: 198544.0/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 797.653+/-0.450 $\chi^2$/NDF:117921.6/1

Out: 766.631+/-0.394 $\chi^2$/NDF:77932.5/2

All: 780.090+/-0.296 $\chi^2$/NDF: 198544.0/4

dit_asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 22.604+/-29.161 $\chi^2$/NDF:3.4/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -16.900+/-26.151 $\chi^2$/NDF:0.4/1

Left: 0.709+/-19.469 $\chi^2$/NDF: 4.9/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -16.900+/-26.151 $\chi^2$/NDF:0.4/1

Out: 22.604+/-29.161 $\chi^2$/NDF:3.4/2

All: 0.709+/-19.469 $\chi^2$/NDF: 4.9/4

dit_asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 40.111+/-0.021 $\chi^2$/NDF:10274.3/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 33.221+/-0.018 $\chi^2$/NDF:532.2/1

Left: 36.292+/-0.014 $\chi^2$/NDF: 72691.5/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 33.221+/-0.018 $\chi^2$/NDF:532.2/1

Out: 40.111+/-0.021 $\chi^2$/NDF:10274.3/2

All: 36.292+/-0.014 $\chi^2$/NDF: 72691.5/4

asym_sam_1357_2468_dd_correction_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 85.461+/-142.511 $\chi^2$/NDF:7.9/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -136.826+/-162.819 $\chi^2$/NDF:2.5/1

Left: -10.963+/-107.236 $\chi^2$/NDF: 11.4/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -136.826+/-162.819 $\chi^2$/NDF:2.5/1

Out: 85.461+/-142.511 $\chi^2$/NDF:7.9/2

All: -10.963+/-107.236 $\chi^2$/NDF: 11.4/4

asym_sam_1357_2468_dd_correction_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 196.245+/-0.101 $\chi^2$/NDF:84819.9/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 204.035+/-0.115 $\chi^2$/NDF:127327.2/1

Left: 199.624+/-0.076 $\chi^2$/NDF: 214739.4/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 204.035+/-0.115 $\chi^2$/NDF:127327.2/1

Out: 196.245+/-0.101 $\chi^2$/NDF:84819.9/2

All: 199.624+/-0.076 $\chi^2$/NDF: 214739.4/4

asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -69.051+/-143.809 $\chi^2$/NDF:8.0/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 135.155+/-165.356 $\chi^2$/NDF:1.4/1

Left: 18.889+/-108.512 $\chi^2$/NDF: 10.3/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 135.155+/-165.356 $\chi^2$/NDF:1.4/1

Out: -69.051+/-143.809 $\chi^2$/NDF:8.0/2

All: 18.889+/-108.512 $\chi^2$/NDF: 10.3/4

# asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 198.029+/-0.102 $\chi^2$/NDF:67899.6/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 207.255+/-0.117 $\chi^2$/NDF:118457.0/1

Left: 202.002+/-0.077 $\chi^2$/NDF: 189901.1/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 207.255+/-0.117 $\chi^2$/NDF:118457.0/1

Out: 198.029+/-0.102 $\chi^2$/NDF:67899.6/2

All: 202.002+/-0.077 $\chi^2$/NDF: 189901.1/4

dit_asym_sam_12345678_avg_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 53.216+/-76.861 $\chi^2$/NDF:3.0/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 6.085+/-70.177 $\chi^2$/NDF:0.2/1

Left: 27.512+/-51.825 $\chi^2$/NDF: 3.4/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 6.085+/-70.177 $\chi^2$/NDF:0.2/1

Out: 53.216+/-76.861 $\chi^2$/NDF:3.0/2

All: 27.512+/-51.825 $\chi^2$/NDF: 3.4/4

dit_asym_sam_12345678_avg_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 105.560+/-0.054 $\chi^2$/NDF:14874.3/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 89.063+/-0.050 $\chi^2$/NDF:3250.6/1

Left: 96.563+/-0.037 $\chi^2$/NDF: 68367.6/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 89.063+/-0.050 $\chi^2$/NDF:3250.6/1

Out: 105.560+/-0.054 $\chi^2$/NDF:14874.3/2

All: 96.563+/-0.037 $\chi^2$/NDF: 68367.6/4

asym_sam_12345678_avg_correction_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -157.320+/-415.123 $\chi^2$/NDF:5.0/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 469.359+/-470.797 $\chi^2$/NDF:2.0/1

Left: 116.791+/-311.369 $\chi^2$/NDF: 8.0/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 469.359+/-470.797 $\chi^2$/NDF:2.0/1

Out: -157.320+/-415.123 $\chi^2$/NDF:5.0/2

All: 116.791+/-311.369 $\chi^2$/NDF: 8.0/4

asym_sam_12345678_avg_correction_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 570.970+/-0.294 $\chi^2$/NDF:104475.3/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 590.584+/-0.333 $\chi^2$/NDF:122340.9/1

Left: 579.549+/-0.220 $\chi^2$/NDF: 228769.0/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 590.584+/-0.333 $\chi^2$/NDF:122340.9/1

Out: 570.970+/-0.294 $\chi^2$/NDF:104475.3/2

All: 579.549+/-0.220 $\chi^2$/NDF: 228769.0/4

asym_sam_12345678_avg_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 271.250+/-416.572 $\chi^2$/NDF:6.2/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -468.671+/-474.545 $\chi^2$/NDF:1.7/1

Left: -50.777+/-313.062 $\chi^2$/NDF: 9.2/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -468.671+/-474.545 $\chi^2$/NDF:1.7/1

Out: 271.250+/-416.572 $\chi^2$/NDF:6.2/2

All: -50.777+/-313.062 $\chi^2$/NDF: 9.2/4

# asym_sam_12345678_avg_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 573.196+/-0.295 $\chi^2$/NDF:80050.8/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 594.963+/-0.336 $\chi^2$/NDF:114727.4/1

Left: 582.669+/-0.221 $\chi^2$/NDF: 197154.7/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 594.963+/-0.336 $\chi^2$/NDF:114727.4/1

Out: 573.196+/-0.295 $\chi^2$/NDF:80050.8/2

All: 582.669+/-0.221 $\chi^2$/NDF: 197154.7/4

# dit_usl_4aX_slope vs Slug, Sign Corrected

Right In: -158.222+/-0.000 $\chi^2$/NDF: 117166.2/15

Left Out: -297.411+/-0.455 $\chi^2$/NDF:12346.8/2

Right Out: -194.268+/-0.165 $\chi^2$/NDF: 176560.4/17

Left In: -311.157+/-0.404 $\chi^2$/NDF:3559.9/1

Left: -305.097+/-0.302 $\chi^2$/NDF: 16416.7/4

Right: -158.222+/-0.000 $\chi^2$/NDF: 341369.6/33

In: -158.222+/-0.000 $\chi^2$/NDF:263911.4/17

Out: -206.267+/-0.155 $\chi^2$/NDF:234285.9/20

All: -158.222+/-0.000 $\chi^2$/NDF: 593979.5/38

# dit_usl_4eX_slope vs Slug, Sign Corrected

Right In: 174.085+/-0.000 $\chi^2$/NDF: 53377.4/15

Left Out: 269.061+/-0.486 $\chi^2$/NDF:14015.6/2

Right Out: 149.948+/-0.196 $\chi^2$/NDF: 167846.4/17

Left In: 288.356+/-0.425 $\chi^2$/NDF:3873.5/1

Left: 279.976+/-0.320 $\chi^2$/NDF: 18782.2/4

Right: 174.085+/-0.000 $\chi^2$/NDF: 236460.5/33

In: 174.085+/-0.000 $\chi^2$/NDF:129376.6/17

Out: 166.567+/-0.181 $\chi^2$/NDF:233633.0/20

All: 174.085+/-0.000 $\chi^2$/NDF: 364727.5/38

# dit_usl_11X12X_slope vs Slug, Sign Corrected

Right In: -46.126+/-0.000 $\chi^2$/NDF: 201273.7/15

Left Out: -43.878+/-0.018 $\chi^2$/NDF:41586.3/2

Right Out: -28.139+/-0.000 $\chi^2$/NDF: 746939.9/17

Left In: -54.726+/-0.045 $\chi^2$/NDF:8864.8/1

Left: -45.388+/-0.017 $\chi^2$/NDF: 100479.9/4

Right: -39.778+/-0.000 $\chi^2$/NDF: 248795993231659

In: -46.126+/-0.000 $\chi^2$/NDF:246661.1/17

Out: -28.139+/-0.000 $\chi^2$/NDF:1545312.3/20

All: -39.778+/-0.000 $\chi^2$/NDF: 248795993231

# dit_usl_4aY_slope vs Slug, Sign Corrected

Right In: -2.061+/-0.018 $\chi^2$/NDF: 25665.1/15

Left Out: 0.018+/-0.026 $\chi^2$/NDF:980.8/2

Right Out: 13.204+/-0.000 $\chi^2$/NDF: 509721.0/17

Left In: -0.195+/-0.024 $\chi^2$/NDF:514.1/1

Left: -0.098+/-0.017 $\chi^2$/NDF: 1531.9/4

Right: 13.204+/-0.000 $\chi^2$/NDF: 1268800.5/33

In: -1.383+/-0.014 $\chi^2$/NDF:30161.3/17

Out: 13.204+/-0.000 $\chi^2$/NDF:768909.2/20

All: 13.204+/-0.000 $\chi^2$/NDF: 1850895.7/38

# dit_usl_4eY_slope vs Slug, Sign Corrected

Right In: 22.711+/-0.019 $\chi^2$/NDF: 22767.9/15

Left Out: 22.951+/-0.046 $\chi^2$/NDF:4290.1/2

Right Out: 21.790+/-0.022 $\chi^2$/NDF: 26670.9/17

Left In: 24.323+/-0.042 $\chi^2$/NDF:3675.4/1

Left: 23.706+/-0.031 $\chi^2$/NDF: 8450.8/4

Right: 22.313+/-0.014 $\chi^2$/NDF: 50478.1/33

In: 22.981+/-0.017 $\chi^2$/NDF:27683.5/17

Out: 21.997+/-0.020 $\chi^2$/NDF:31480.1/20

All: 22.553+/-0.013 $\chi^2$/NDF: 60601.0/38

# dit_usr_4aX_slope vs Slug, Sign Corrected

Right In: -276.201+/-0.167 $\chi^2$/NDF: 58107.7/16

Left Out: -356.308+/-0.325 $\chi^2$/NDF:4655.0/2

Right Out: -281.150+/-0.148 $\chi^2$/NDF: 77611.5/18

Left In: -350.935+/-0.269 $\chi^2$/NDF:768.2/1

Left: -353.116+/-0.207 $\chi^2$/NDF: 5585.6/4

Right: -278.974+/-0.110 $\chi^2$/NDF: 136213.7/35

In: -296.947+/-0.142 $\chi^2$/NDF:114758.2/18

Out: -293.995+/-0.134 $\chi^2$/NDF:126606.9/21

All: -295.394+/-0.097 $\chi^2$/NDF: 241593.9/40

# dit_usr_4eX_slope vs Slug, Sign Corrected

Right In: 374.094+/-0.000 $\chi^2$/NDF: 35072.0/16

Left Out: 455.519+/-0.349 $\chi^2$/NDF:5662.7/2

Right Out: 373.134+/-0.158 $\chi^2$/NDF: 108219.4/18

Left In: 448.404+/-0.279 $\chi^2$/NDF:979.5/1

Left: 451.182+/-0.218 $\chi^2$/NDF: 6895.7/4

Right: 374.094+/-0.000 $\chi^2$/NDF: 143328.3/35

In: 374.094+/-0.000 $\chi^2$/NDF:106893.5/18

Out: 387.148+/-0.144 $\chi^2$/NDF:160159.4/21

All: 374.094+/-0.000 $\chi^2$/NDF: 275283.6/40

# dit_usr_11X12X_slope vs Slug, Sign Corrected

Right In: -42.744+/-0.000 $\chi^2$/NDF: 13262.6/16

Left Out: -44.858+/-0.023 $\chi^2$/NDF:9515.9/2

Right Out: -29.754+/-0.000 $\chi^2$/NDF: 483930.3/18

Left In: -44.813+/-0.022 $\chi^2$/NDF:5614.3/1

Left: -44.835+/-0.016 $\chi^2$/NDF: 15132.3/4

Right: -38.159+/-0.000 $\chi^2$/NDF: 129765212680709

In: -42.744+/-0.000 $\chi^2$/NDF:27591.8/18

Out: -29.754+/-0.000 $\chi^2$/NDF:941188.5/21

All: -38.159+/-0.000 $\chi^2$/NDF: 129765212680

# dit_usr_4aY_slope vs Slug, Sign Corrected

Right In: -9.259+/-0.000 $\chi^2$/NDF: 405850.5/16

Left Out: 0.821+/-0.020 $\chi^2$/NDF:2318.2/2

Right Out: 18.504+/-0.000 $\chi^2$/NDF: 7366781.0/18

Left In: 0.903+/-0.021 $\chi^2$/NDF:157.1/1

Left: 0.859+/-0.015 $\chi^2$/NDF: 2483.2/4

Right: 6.039+/-0.000 $\chi^2$/NDF: 16450574505955581

In: -9.259+/-0.000 $\chi^2$/NDF:632185.8/18

Out: 18.504+/-0.000 $\chi^2$/NDF:8164008.0/21

All: 6.039+/-0.000 $\chi^2$/NDF: 16450574505955

# dit_usr_4eY_slope vs Slug, Sign Corrected

Right In: 16.947+/-0.000 $\chi^2$/NDF: 11231.8/16

Left Out: 13.871+/-0.021 $\chi^2$/NDF:4737.7/2

Right Out: -11.075+/-0.000 $\chi^2$/NDF: 2712010.0/18

Left In: 14.370+/-0.030 $\chi^2$/NDF:1394.8/1

Left: 14.035+/-0.017 $\chi^2$/NDF: 6312.1/4

Right: -2.268+/-0.000 $\chi^2$/NDF: 4692527454635666

In: 16.947+/-0.000 $\chi^2$/NDF:19769.9/18

Out: -11.075+/-0.000 $\chi^2$/NDF:4086992.7/21

All: -2.268+/-0.000 $\chi^2$/NDF: 469252745463

# dit_atl1_4aX_slope vs Slug, Sign Corrected

Right In: -205.160+/-0.000 $\chi^2$/NDF: 582775.6/16

Left Out: -175.231+/-0.596 $\chi^2$/NDF:6480.3/2

Right Out: -57.684+/-0.283 $\chi^2$/NDF: 114854.9/18

Left In: -211.934+/-0.904 $\chi^2$/NDF:2589.9/1

Left: -186.367+/-0.498 $\chi^2$/NDF: 10219.1/4

Right: -205.160+/-0.000 $\chi^2$/NDF: 968522.3/35

In: -205.160+/-0.000 $\chi^2$/NDF:585421.7/18

Out: -79.329+/-0.256 $\chi^2$/NDF:153025.2/21

All: -205.160+/-0.000 $\chi^2$/NDF: 980166.7/40

# dit_atl1_4eX_slope vs Slug, Sign Corrected

Right In: 339.325+/-0.000 $\chi^2$/NDF: 1030606.3/16

Left Out: 234.209+/-0.613 $\chi^2$/NDF:7727.7/2

Right Out: 68.024+/-0.286 $\chi^2$/NDF: 272330.9/18

Left In: 283.200+/-0.946 $\chi^2$/NDF:3009.3/1

Left: 248.699+/-0.514 $\chi^2$/NDF: 12625.8/4

Right: 339.325+/-0.000 $\chi^2$/NDF: 2202286.8/35

In: 339.325+/-0.000 $\chi^2$/NDF:1037135.5/18

Out: 97.739+/-0.259 $\chi^2$/NDF:340397.5/21

All: 339.325+/-0.000 $\chi^2$/NDF: 2245941.3/40

# dit_atl1_11X12X_slope vs Slug, Sign Corrected

Right In: -48.945+/-0.000 $\chi^2$/NDF: 5408370.4/16

Left Out: -25.554+/-0.024 $\chi^2$/NDF:28019.6/2

Right Out: -27.303+/-0.052 $\chi^2$/NDF: 167879.9/18

Left In: -39.039+/-0.066 $\chi^2$/NDF:8160.0/1

Left: -27.174+/-0.023 $\chi^2$/NDF: 72664.8/4

Right: -48.945+/-0.000 $\chi^2$/NDF: 5751523.0/35

In: -48.945+/-0.000 $\chi^2$/NDF:5438907.1/18

Out: -25.874+/-0.022 $\chi^2$/NDF:196834.5/21

All: -48.945+/-0.000 $\chi^2$/NDF: 6724225.5/40

# dit_atl1_4aY_slope vs Slug, Sign Corrected

Right In: 6.728+/-0.000 $\chi^2$/NDF: 13749.2/16

Left Out: 12.230+/-0.042 $\chi^2$/NDF:472.7/2

Right Out: 9.502+/-0.036 $\chi^2$/NDF: 26822.1/18

Left In: 11.836+/-0.057 $\chi^2$/NDF:362.6/1

Left: 12.091+/-0.034 $\chi^2$/NDF: 865.9/4

Right: 6.728+/-0.000 $\chi^2$/NDF: 46635.2/35

In: 6.728+/-0.000 $\chi^2$/NDF:22081.1/18

Out: 10.631+/-0.027 $\chi^2$/NDF:29722.4/21

All: 6.728+/-0.000 $\chi^2$/NDF: 72276.2/40

# dit_atl1_4eY_slope vs Slug, Sign Corrected

Right In: -19.693+/-0.000 $\chi^2$/NDF: 7579.0/16

Left Out: -14.560+/-0.058 $\chi^2$/NDF:1308.8/2

Right Out: 19.086+/-0.000 $\chi^2$/NDF: 610746.9/18

Left In: -16.827+/-0.081 $\chi^2$/NDF:841.0/1

Left: -15.315+/-0.047 $\chi^2$/NDF: 2666.6/4

Right: -6.006+/-0.000 $\chi^2$/NDF: 4625637731292657

In: -19.693+/-0.000 $\chi^2$/NDF:9659.5/18

Out: 19.086+/-0.000 $\chi^2$/NDF:954110.3/21

All: -6.006+/-0.000 $\chi^2$/NDF: 4625637731292

# dit_atl2_4aX_slope vs Slug, Sign Corrected

Right In: -889.928+/-0.000 $\chi^2$/NDF: 775896.0/16

Left Out: -2172.319+/-1.292 $\chi^2$/NDF:8892.1/2

Right Out: -1134.421+/-0.000 $\chi^2$/NDF: 733812.0/18

Left In: -2138.353+/-1.385 $\chi^2$/NDF:5357.3/1

Left: -2156.514+/-0.945 $\chi^2$/NDF: 14570.9/4

Right: -976.220+/-0.000 $\chi^2$/NDF: 44889787387498

In: -889.928+/-0.000 $\chi^2$/NDF:1593421.6/18

Out: -1134.421+/-0.000 $\chi^2$/NDF:1387733.0/21

All: -976.220+/-0.000 $\chi^2$/NDF: 44889787387

# dit_atl2_4eX_slope vs Slug, Sign Corrected

Right In: 1171.188+/-0.245 $\chi^2$/NDF: 508989.2/16

Left Out: 2331.273+/-1.326 $\chi^2$/NDF:10758.5/2

Right Out: 1089.705+/-0.253 $\chi^2$/NDF: 1100321.6/18

Left In: 2305.395+/-1.452 $\chi^2$/NDF:5841.5/1

Left: 2319.511+/-0.979 $\chi^2$/NDF: 16773.1/4

Right: 1131.764+/-0.176 $\chi^2$/NDF: 1662665.0/35

In: 1202.665+/-0.242 $\chi^2$/NDF:1107794.4/18

Out: 1133.481+/-0.249 $\chi^2$/NDF:1957212.2/21

All: 1169.058+/-0.173 $\chi^2$/NDF: 3104726.0/40

# dit_atl2_11X12X_slope vs Slug, Sign Corrected

Right In: -212.190+/-0.000 $\chi^2$/NDF: 1149195.1/16

Left Out: -315.167+/-0.071 $\chi^2$/NDF:39158.2/2

Right Out: -188.033+/-0.000 $\chi^2$/NDF: 602264.3/18

Left In: -337.999+/-0.103 $\chi^2$/NDF:25344.3/1

Left: -322.465+/-0.058 $\chi^2$/NDF: 97753.1/4

Right: -195.625+/-0.000 $\chi^2$/NDF: 13622303625661

In: -212.190+/-0.000 $\chi^2$/NDF:2658430.9/18

Out: -188.033+/-0.000 $\chi^2$/NDF:3866740.8/21

All: -195.625+/-0.000 $\chi^2$/NDF: 13622303625

# dit_atl2_4aY_slope vs Slug, Sign Corrected

Right In: -56.037+/-0.000 $\chi^2$/NDF: 1585420.7/16

Left Out: -8.726+/-0.114 $\chi^2$/NDF:815.9/2

Right Out: -7.476+/-0.042 $\chi^2$/NDF: 173893.8/18

Left In: -9.036+/-0.082 $\chi^2$/NDF:967.6/1

Left: -8.931+/-0.066 $\chi^2$/NDF: 1788.5/4

Right: -56.037+/-0.000 $\chi^2$/NDF: 3084882.3/35

In: -56.037+/-0.000 $\chi^2$/NDF:1918869.1/18

Out: -7.627+/-0.040 $\chi^2$/NDF:174815.7/21

All: -56.037+/-0.000 $\chi^2$/NDF: 3591637.2/40

# dit_atl2_4eY_slope vs Slug, Sign Corrected

Right In: 138.565+/-0.000 $\chi^2$/NDF: 901159.7/16

Left Out: 153.169+/-0.149 $\chi^2$/NDF:2643.9/2

Right Out: 6.866+/-0.000 $\chi^2$/NDF: 8047391.7/18

Left In: 153.255+/-0.098 $\chi^2$/NDF:4404.1/1

Left: 153.229+/-0.082 $\chi^2$/NDF: 7048.2/4

Right: 7.101+/-0.000 $\chi^2$/NDF: 2357682268192867

In: 138.565+/-0.000 $\chi^2$/NDF:928145.3/18

Out: 6.866+/-0.000 $\chi^2$/NDF:9015091.1/21

All: 7.101+/-0.000 $\chi^2$/NDF: 2357682268192

# dit_atr1_4aX_slope vs Slug, Sign Corrected

Right In: -73.485+/-0.000 $\chi^2$/NDF: 98703.2/16

Left Out: -261.254+/-0.556 $\chi^2$/NDF:2958.6/2

Right Out: -580.262+/-0.261 $\chi^2$/NDF: 3031609.5/18

Left In: -256.582+/-0.658 $\chi^2$/NDF:414.9/1

Left: -259.307+/-0.425 $\chi^2$/NDF: 3402.9/4

Right: -73.485+/-0.000 $\chi^2$/NDF: 6902096.9/35

In: -73.485+/-0.000 $\chi^2$/NDF:176621.0/18

Out: -522.659+/-0.236 $\chi^2$/NDF:3304442.1/21

All: -73.485+/-0.000 $\chi^2$/NDF: 7097074.3/40

# dit_atr1_4eX_slope vs Slug, Sign Corrected

Right In: 42.743+/-0.000 $\chi^2$/NDF: 84599.8/16

Left Out: 230.906+/-0.578 $\chi^2$/NDF:3595.5/2

Right Out: 1036.068+/-0.000 $\chi^2$/NDF: 4933722.5/18

Left In: 226.965+/-0.680 $\chi^2$/NDF:485.5/1

Left: 229.253+/-0.440 $\chi^2$/NDF: 4100.5/4

Right: 43.272+/-0.000 $\chi^2$/NDF: 1144517497266833

In: 42.743+/-0.000 $\chi^2$/NDF:158553.9/18

Out: 1036.068+/-0.000 $\chi^2$/NDF:6879290.0/21

All: 43.272+/-0.000 $\chi^2$/NDF: 1144517497266

# dit_atr1_11X12X_slope vs Slug, Sign Corrected

Right In: -28.822+/-0.035 $\chi^2$/NDF: 49503.4/16

Left Out: -34.437+/-0.035 $\chi^2$/NDF:9147.3/2

Right Out: -22.707+/-0.038 $\chi^2$/NDF: 410174.9/18

Left In: -34.804+/-0.045 $\chi^2$/NDF:4752.6/1

Left: -34.574+/-0.028 $\chi^2$/NDF: 13941.3/4

Right: -26.045+/-0.026 $\chi^2$/NDF: 473753.1/35

In: -31.050+/-0.028 $\chi^2$/NDF:65298.5/18

Out: -29.078+/-0.026 $\chi^2$/NDF:470853.0/21

All: -29.999+/-0.019 $\chi^2$/NDF: 538890.0/40

# dit_atr1_4aY_slope vs Slug, Sign Corrected

Right In: 13.238+/-0.000 $\chi^2$/NDF: 5756.1/16

Left Out: 14.277+/-0.046 $\chi^2$/NDF:82.4/2

Right Out: -66.739+/-0.000 $\chi^2$/NDF: 3023648.4/18

Left In: 15.129+/-0.046 $\chi^2$/NDF:11.4/1

Left: 14.703+/-0.033 $\chi^2$/NDF: 264.1/4

Right: 12.562+/-0.000 $\chi^2$/NDF: 1884310027651005

In: 13.238+/-0.000 $\chi^2$/NDF:7445.8/18

Out: -66.739+/-0.000 $\chi^2$/NDF:6107802.9/21

All: 12.562+/-0.000 $\chi^2$/NDF: 1884310027651

# dit_atr1_4eY_slope vs Slug, Sign Corrected

Right In: -32.504+/-0.000 $\chi^2$/NDF: 74187.4/16

Left Out: -21.184+/-0.059 $\chi^2$/NDF:180.0/2

Right Out: -23.151+/-0.048 $\chi^2$/NDF: 90749.4/18

Left In: -22.353+/-0.076 $\chi^2$/NDF:180.1/1

Left: -21.623+/-0.047 $\chi^2$/NDF: 506.8/4

Right: -32.504+/-0.000 $\chi^2$/NDF: 203519.3/35

In: -32.504+/-0.000 $\chi^2$/NDF:92072.8/18

Out: -22.378+/-0.037 $\chi^2$/NDF:91600.3/21

All: -32.504+/-0.000 $\chi^2$/NDF: 258213.4/40

# dit_atr2_4aX_slope vs Slug, Sign Corrected

Right In: -1342.107+/-0.000 $\chi^2$/NDF: 370901.4/16

Left Out: -1937.057+/-1.418 $\chi^2$/NDF:3112.5/2

Right Out: -1496.932+/-0.000 $\chi^2$/NDF: 504712.5/18

Left In: -1909.495+/-0.886 $\chi^2$/NDF:2027.2/1

Left: -1917.236+/-0.751 $\chi^2$/NDF: 5411.5/4

Right: -1396.751+/-0.000 $\chi^2$/NDF: 1800086126763

In: -1342.107+/-0.000 $\chi^2$/NDF:783163.2/18

Out: -1496.932+/-0.000 $\chi^2$/NDF:604230.7/21

All: -1396.751+/-0.000 $\chi^2$/NDF: 1800086126

# dit_atr2_4eX_slope vs Slug, Sign Corrected

Right In: 1873.852+/-0.000 $\chi^2$/NDF: 201563.9/16

Left Out: 2251.411+/-1.475 $\chi^2$/NDF:3699.9/2

Right Out: 1706.739+/-0.302 $\chi^2$/NDF: 837936.9/18

Left In: 2215.816+/-0.905 $\chi^2$/NDF:2440.9/1

Left: 2225.555+/-0.771 $\chi^2$/NDF: 6564.0/4

Right: 1873.852+/-0.000 $\chi^2$/NDF: 1344906.8/35

In: 1873.852+/-0.000 $\chi^2$/NDF:346760.0/18

Out: 1728.717+/-0.296 $\chi^2$/NDF:972548.6/21

All: 1873.852+/-0.000 $\chi^2$/NDF: 1559351.9/40

# dit_atr2_11X12X_slope vs Slug, Sign Corrected

Right In: -292.986+/-0.000 $\chi^2$/NDF: 1015592.4/16

Left Out: -278.332+/-0.087 $\chi^2$/NDF:15597.4/2

Right Out: -254.119+/-0.059 $\chi^2$/NDF: 502658.5/18

Left In: -279.451+/-0.062 $\chi^2$/NDF:25481.7/1

Left: -279.073+/-0.051 $\chi^2$/NDF: 41187.4/4

Right: -292.986+/-0.000 $\chi^2$/NDF: 1952225.7/35

In: -292.986+/-0.000 $\chi^2$/NDF:1088105.1/18

Out: -261.687+/-0.049 $\chi^2$/NDF:570898.5/21

All: -292.986+/-0.000 $\chi^2$/NDF: 2068384.8/40

# dit_atr2_4aY_slope vs Slug, Sign Corrected

Right In: -78.728+/-0.000 $\chi^2$/NDF: 1399088.3/16

Left Out: -10.674+/-0.080 $\chi^2$/NDF:2005.4/2

Right Out: -5.769+/-0.000 $\chi^2$/NDF: 111570.1/18

Left In: -8.399+/-0.065 $\chi^2$/NDF:915.8/1

Left: -9.312+/-0.050 $\chi^2$/NDF: 3410.6/4

Right: -6.288+/-0.000 $\chi^2$/NDF: 2878797679293380

In: -78.728+/-0.000 $\chi^2$/NDF:2564989.5/18

Out: -5.769+/-0.000 $\chi^2$/NDF:117375.0/21

All: -6.288+/-0.000 $\chi^2$/NDF: 2878797679293

# dit_atr2_4eY_slope vs Slug, Sign Corrected

Right In: 189.551+/-0.000 $\chi^2$/NDF: 927391.8/16

Left Out: 126.561+/-0.105 $\chi^2$/NDF:2345.0/2

Right Out: 138.002+/-0.059 $\chi^2$/NDF: 117357.8/18

Left In: 125.387+/-0.067 $\chi^2$/NDF:3408.4/1

Left: 125.731+/-0.057 $\chi^2$/NDF: 5842.3/4

Right: 189.551+/-0.000 $\chi^2$/NDF: 1806450.5/35

In: 189.551+/-0.000 $\chi^2$/NDF:1837721.4/18

Out: 135.239+/-0.051 $\chi^2$/NDF:128763.7/21

All: 189.551+/-0.000 $\chi^2$/NDF: 3081263.5/40

# dit_sam1_4aX_slope vs Slug, Sign Corrected

Right In: -1.007+/-0.000 $\chi^2$/NDF: 7057.7/16

Left Out: 4.388+/-0.086 $\chi^2$/NDF:385.4/2

Right Out: -11.872+/-0.000 $\chi^2$/NDF: 503632.2/18

Left In: 1.670+/-0.053 $\chi^2$/NDF:1575.8/1

Left: 2.422+/-0.045 $\chi^2$/NDF: 2680.8/4

Right: -1.365+/-0.000 $\chi^2$/NDF: 2170760676638215

In: -1.007+/-0.000 $\chi^2$/NDF:11158.5/18

Out: -11.872+/-0.000 $\chi^2$/NDF:539628.3/21

All: -1.365+/-0.000 $\chi^2$/NDF: 2170760676638

# dit_sam1_4eX_slope vs Slug, Sign Corrected

Right In: -7.899+/-0.000 $\chi^2$/NDF: 39443.5/16

Left Out: -15.080+/-0.085 $\chi^2$/NDF:340.3/2

Right Out: -2.410+/-0.000 $\chi^2$/NDF: 203043.8/18

Left In: -13.912+/-0.071 $\chi^2$/NDF:333.5/1

Left: -14.391+/-0.054 $\chi^2$/NDF: 785.0/4

Right: -4.135+/-0.000 $\chi^2$/NDF: 2879850560728951

In: -7.899+/-0.000 $\chi^2$/NDF:46965.7/18

Out: -2.410+/-0.000 $\chi^2$/NDF:225548.6/21

All: -4.135+/-0.000 $\chi^2$/NDF: 2879850560728

# dit_sam1_11X12X_slope vs Slug, Sign Corrected

Right In: 0.314+/-0.001 $\chi^2$/NDF: 2748.0/16

Left Out: 0.332+/-0.001 $\chi^2$/NDF:226.6/2

Right Out: -0.107+/-0.000 $\chi^2$/NDF: 219932.8/18

Left In: 0.334+/-0.001 $\chi^2$/NDF:256.2/1

Left: 0.333+/-0.001 $\chi^2$/NDF: 485.8/4

Right: -0.107+/-0.000 $\chi^2$/NDF: 409026.8/35

In: 0.322+/-0.001 $\chi^2$/NDF:3180.0/18

Out: -0.107+/-0.000 $\chi^2$/NDF:419384.4/21

All: -0.107+/-0.000 $\chi^2$/NDF: 738891.4/40

# dit_sam1_4aY_slope vs Slug, Sign Corrected

Right In: -38.539+/-0.000 $\chi^2$/NDF: 14950854.6/16

Left Out: -52.692+/-0.007 $\chi^2$/NDF:235.6/2

Right Out: -52.737+/-0.002 $\chi^2$/NDF: 87430.2/18

Left In: -52.612+/-0.007 $\chi^2$/NDF:419.7/1

Left: -52.653+/-0.005 $\chi^2$/NDF: 724.1/4

Right: -38.539+/-0.000 $\chi^2$/NDF: 72100834.2/35

In: -38.539+/-0.000 $\chi^2$/NDF:19020014.6/18

Out: -52.734+/-0.002 $\chi^2$/NDF:87705.9/21

All: -38.539+/-0.000 $\chi^2$/NDF: 80552697.4/40

# dit_sam1_4eY_slope vs Slug, Sign Corrected

Right In: -60.594+/-0.000 $\chi^2$/NDF: 26122838.1/16

Left Out: 10.853+/-0.017 $\chi^2$/NDF:1124.1/2

Right Out: 6.748+/-0.011 $\chi^2$/NDF: 1266598.3/18

Left In: 10.401+/-0.019 $\chi^2$/NDF:1451.5/1

Left: 10.651+/-0.012 $\chi^2$/NDF: 2903.6/4

Right: -60.594+/-0.000 $\chi^2$/NDF: 64778482.9/35

In: -60.594+/-0.000 $\chi^2$/NDF:40737190.5/18

Out: 7.994+/-0.009 $\chi^2$/NDF:1309878.6/21

All: -60.594+/-0.000 $\chi^2$/NDF: 97733363.7/40

# dit_sam2_4aX_slope vs Slug, Sign Corrected

Right In: 58.880+/-0.000 $\chi^2$/NDF: 3814.7/16

Left Out: 85.379+/-1.184 $\chi^2$/NDF:223.0/2

Right Out: 95.846+/-0.000 $\chi^2$/NDF: 39385.0/18

Left In: 49.939+/-0.741 $\chi^2$/NDF:899.4/1

Left: 59.901+/-0.628 $\chi^2$/NDF: 1766.3/4

Right: 60.098+/-0.000 $\chi^2$/NDF: 9815233945666380

In: 58.880+/-0.000 $\chi^2$/NDF:4859.9/18

Out: 95.846+/-0.000 $\chi^2$/NDF:39686.2/21

All: 60.098+/-0.000 $\chi^2$/NDF: 9815233945666

# dit_sam2_4eX_slope vs Slug, Sign Corrected

Right In: -350.833+/-0.245 $\chi^2$/NDF: 41301.1/16

Left Out: -298.098+/-1.201 $\chi^2$/NDF:164.6/2

Right Out: -498.692+/-0.000 $\chi^2$/NDF: 511870.8/18

Left In: -260.236+/-0.729 $\chi^2$/NDF:786.0/1

Left: -270.431+/-0.623 $\chi^2$/NDF: 1676.3/4

Right: -498.692+/-0.000 $\chi^2$/NDF: 918780.8/35

In: -341.677+/-0.232 $\chi^2$/NDF:55958.8/18

Out: -498.692+/-0.000 $\chi^2$/NDF:539912.6/21

All: -498.692+/-0.000 $\chi^2$/NDF: 1054511.2/40

# dit_sam2_11X12X_slope vs Slug, Sign Corrected

Right In: 1.930+/-0.000 $\chi^2$/NDF: 59970.9/16

Left Out: 0.709+/-0.008 $\chi^2$/NDF:223.8/2

Right Out: 3.123+/-0.000 $\chi^2$/NDF: 512565.5/18

Left In: 0.580+/-0.005 $\chi^2$/NDF:1396.7/1

Left: 0.615+/-0.004 $\chi^2$/NDF: 1815.3/4

Right: 2.073+/-0.000 $\chi^2$/NDF: 38099534578085305

In: 1.930+/-0.000 $\chi^2$/NDF:139759.6/18

Out: 3.123+/-0.000 $\chi^2$/NDF:606415.5/21

All: 2.073+/-0.000 $\chi^2$/NDF: 38099534578085

# dit_sam2_4aY_slope vs Slug, Sign Corrected

Right In: 54.556+/-0.000 $\chi^2$/NDF: 7238433.0/16

Left Out: 15.152+/-0.021 $\chi^2$/NDF:28.8/2

Right Out: 17.458+/-0.018 $\chi^2$/NDF: 99308.5/18

Left In: 14.854+/-0.023 $\chi^2$/NDF:383.1/1

Left: 15.020+/-0.015 $\chi^2$/NDF: 503.5/4

Right: 54.556+/-0.000 $\chi^2$/NDF: 11453944.4/35

In: 54.556+/-0.000 $\chi^2$/NDF:10149344.0/18

Out: 16.448+/-0.014 $\chi^2$/NDF:106306.6/21

All: 54.556+/-0.000 $\chi^2$/NDF: 17984755.0/40

# dit_sam2_4eY_slope vs Slug, Sign Corrected

Right In: -382.108+/-0.000 $\chi^2$/NDF: 18398024.3/16

Left Out: -211.104+/-0.045 $\chi^2$/NDF:1996.1/2

Right Out: -483.800+/-0.000 $\chi^2$/NDF: 24338683.6/18

Left In: -209.857+/-0.043 $\chi^2$/NDF:1068.7/1

Left: -210.465+/-0.031 $\chi^2$/NDF: 3466.7/4

Right: -417.999+/-0.000 $\chi^2$/NDF: 12425488813367

In: -382.108+/-0.000 $\chi^2$/NDF:34117275.2/18

Out: -483.800+/-0.000 $\chi^2$/NDF:61855721.3/21

All: -417.999+/-0.000 $\chi^2$/NDF: 12425488813

# dit_sam3_4aX_slope vs Slug, Sign Corrected

Right In: -26.504+/-0.000 $\chi^2$/NDF: 1180.7/16

Left Out: 0.539+/-1.207 $\chi^2$/NDF:445.9/2

Right Out: -26.577+/-0.000 $\chi^2$/NDF: 2640.9/18

Left In: -42.545+/-0.777 $\chi^2$/NDF:1579.6/1

Left: -29.935+/-0.653 $\chi^2$/NDF: 2926.1/4

Right: -26.530+/-0.000 $\chi^2$/NDF: 412159279654659

In: -26.504+/-0.000 $\chi^2$/NDF:3186.8/18

Out: -26.577+/-0.000 $\chi^2$/NDF:3591.1/21

All: -26.530+/-0.000 $\chi^2$/NDF: 412159279654

# dit_sam3_4eX_slope vs Slug, Sign Corrected

Right In: -79.376+/-0.000 $\chi^2$/NDF: 1304.6/16

Left Out: -127.032+/-1.183 $\chi^2$/NDF:333.5/2

Right Out: -83.099+/-0.178 $\chi^2$/NDF: 11915.8/18

Left In: -77.421+/-0.726 $\chi^2$/NDF:1663.9/1

Left: -91.003+/-0.619 $\chi^2$/NDF: 3274.6/4

Right: -79.376+/-0.000 $\chi^2$/NDF: 13657.0/35

In: -79.376+/-0.000 $\chi^2$/NDF:2975.8/18

Out: -84.073+/-0.176 $\chi^2$/NDF:13597.8/21

All: -79.376+/-0.000 $\chi^2$/NDF: 17284.4/40

# dit_sam3_11X12X_slope vs Slug, Sign Corrected

Right In: 0.521+/-0.000 $\chi^2$/NDF: 3370.8/16

Left Out: 0.516+/-0.009 $\chi^2$/NDF:921.2/2

Right Out: 0.403+/-0.011 $\chi^2$/NDF: 2727.5/18

Left In: 0.505+/-0.004 $\chi^2$/NDF:2614.9/1

Left: 0.507+/-0.004 $\chi^2$/NDF: 3537.3/4

Right: 0.521+/-0.000 $\chi^2$/NDF: 6215.1/35

In: 0.521+/-0.000 $\chi^2$/NDF:6000.0/18

Out: 0.470+/-0.007 $\chi^2$/NDF:3712.3/21

All: 0.521+/-0.000 $\chi^2$/NDF: 9765.8/40

# dit_sam3_4aY_slope vs Slug, Sign Corrected

Right In: -2.320+/-0.000 $\chi^2$/NDF: 270771.9/16

Left Out: -7.081+/-0.022 $\chi^2$/NDF:1081.1/2

Right Out: -4.864+/-0.010 $\chi^2$/NDF: 49380.5/18

Left In: -6.705+/-0.013 $\chi^2$/NDF:1917.3/1

Left: -6.795+/-0.011 $\chi^2$/NDF: 3213.0/4

Right: -2.320+/-0.000 $\chi^2$/NDF: 381161.7/35

In: -2.320+/-0.000 $\chi^2$/NDF:395097.5/18

Out: -5.252+/-0.009 $\chi^2$/NDF:58547.9/21

All: -2.320+/-0.000 $\chi^2$/NDF: 551777.1/40

# dit_sam3_4eY_slope vs Slug, Sign Corrected

Right In: 11.268+/-0.000 $\chi^2$/NDF: 958029.3/16

Left Out: 31.602+/-0.043 $\chi^2$/NDF:566.0/2

Right Out: 37.191+/-0.000 $\chi^2$/NDF: 1121929.1/18

Left In: 29.628+/-0.039 $\chi^2$/NDF:1403.4/1

Left: 30.521+/-0.029 $\chi^2$/NDF: 3137.0/4

Right: 12.122+/-0.000 $\chi^2$/NDF: 7723055694978834

In: 11.268+/-0.000 $\chi^2$/NDF:1182728.9/18

Out: 37.191+/-0.000 $\chi^2$/NDF:1139574.0/21

All: 12.122+/-0.000 $\chi^2$/NDF: 7723055694978

# dit_sam4_4aX_slope vs Slug, Sign Corrected

Right In: -4.139+/-0.000 $\chi^2$/NDF: 4654.2/16

Left Out: 91.010+/-1.400 $\chi^2$/NDF:576.4/2

Right Out: 54.427+/-0.170 $\chi^2$/NDF: 53998.7/18

Left In: 41.930+/-0.634 $\chi^2$/NDF:2145.2/1

Left: 50.291+/-0.578 $\chi^2$/NDF: 3741.0/4

Right: -4.139+/-0.000 $\chi^2$/NDF: 177029.3/35

In: -4.139+/-0.000 $\chi^2$/NDF:12071.6/18

Out: 54.959+/-0.169 $\chi^2$/NDF:55247.8/21

All: -4.139+/-0.000 $\chi^2$/NDF: 189640.7/40

# dit_sam4_4eX_slope vs Slug, Sign Corrected

Right In: -124.095+/-0.000 $\chi^2$/NDF: 38152.5/16

Left Out: -298.650+/-1.384 $\chi^2$/NDF:417.0/2

Right Out: -273.143+/-0.113 $\chi^2$/NDF: 280141.9/18

Left In: -244.826+/-0.597 $\chi^2$/NDF:2109.3/1

Left: -253.268+/-0.548 $\chi^2$/NDF: 3801.2/4

Right: -124.095+/-0.000 $\chi^2$/NDF: 2066776.4/35

In: -124.095+/-0.000 $\chi^2$/NDF:81159.3/18

Out: -273.311+/-0.112 $\chi^2$/NDF:280896.2/21

All: -124.095+/-0.000 $\chi^2$/NDF: 2126103.5/40

# dit_sam4_11X12X_slope vs Slug, Sign Corrected

Right In: 0.888+/-0.000 $\chi^2$/NDF: 8672.0/16

Left Out: 0.586+/-0.010 $\chi^2$/NDF:872.9/2

Right Out: -0.226+/-0.000 $\chi^2$/NDF: 5031.1/18

Left In: 0.566+/-0.008 $\chi^2$/NDF:458.1/1

Left: 0.574+/-0.006 $\chi^2$/NDF: 1333.8/4

Right: 0.888+/-0.000 $\chi^2$/NDF: 422220530.0/35

In: 0.888+/-0.000 $\chi^2$/NDF:10804.1/18

Out: -0.226+/-0.000 $\chi^2$/NDF:13118.5/21

All: 0.888+/-0.000 $\chi^2$/NDF: 422224527.2/40

# dit_sam4_4aY_slope vs Slug, Sign Corrected

Right In: 4.057+/-0.000 $\chi^2$/NDF: 1247888.2/16

Left Out: -25.258+/-0.057 $\chi^2$/NDF:0.5/2

Right Out: -22.885+/-0.026 $\chi^2$/NDF: 116508.9/18

Left In: -23.565+/-0.062 $\chi^2$/NDF:61.2/1

Left: -24.486+/-0.042 $\chi^2$/NDF: 468.5/4

Right: 4.057+/-0.000 $\chi^2$/NDF: 2412173.4/35

In: 4.057+/-0.000 $\chi^2$/NDF:1447124.9/18

Out: -23.306+/-0.024 $\chi^2$/NDF:117951.2/21

All: 4.057+/-0.000 $\chi^2$/NDF: 2878839.2/40

# dit_sam4_4eY_slope vs Slug, Sign Corrected

Right In: 158.293+/-0.000 $\chi^2$/NDF: 2410913.3/16

Left Out: 292.300+/-0.118 $\chi^2$/NDF:1553.8/2

Right Out: 175.536+/-0.000 $\chi^2$/NDF: 2100196.2/18

Left In: 286.852+/-0.193 $\chi^2$/NDF:189.1/1

Left: 290.804+/-0.101 $\chi^2$/NDF: 2323.6/4

Right: 172.618+/-0.000 $\chi^2$/NDF: 373727491225928

In: 158.293+/-0.000 $\chi^2$/NDF:2856905.8/18

Out: 175.536+/-0.000 $\chi^2$/NDF:3073681.0/21

All: 172.618+/-0.000 $\chi^2$/NDF: 37372749122

# dit_sam5_4aX_slope vs Slug, Sign Corrected

Right In: 3.778+/-0.000 $\chi^2$/NDF: 6871.4/16

Left Out: 11.316+/-0.145 $\chi^2$/NDF:197.6/2

Right Out: 5.756+/-0.026 $\chi^2$/NDF: 22291.6/18

Left In: 8.055+/-0.067 $\chi^2$/NDF:564.2/1

Left: 8.626+/-0.061 $\chi^2$/NDF: 1178.9/4

Right: 3.778+/-0.000 $\chi^2$/NDF: 35056.1/35

In: 3.778+/-0.000 $\chi^2$/NDF:11530.8/18

Out: 5.926+/-0.025 $\chi^2$/NDF:23913.9/21

All: 3.778+/-0.000 $\chi^2$/NDF: 42613.9/40

# dit_sam5_4eX_slope vs Slug, Sign Corrected

Right In: -0.287+/-0.000 $\chi^2$/NDF: 44276.5/16

Left Out: -10.011+/-0.146 $\chi^2$/NDF:151.0/2

Right Out: -5.882+/-0.027 $\chi^2$/NDF: 63493.9/18

Left In: -6.803+/-0.072 $\chi^2$/NDF:356.9/1

Left: -7.433+/-0.065 $\chi^2$/NDF: 897.6/4

Right: -0.287+/-0.000 $\chi^2$/NDF: 150060.6/35

In: -0.287+/-0.000 $\chi^2$/NDF:52822.5/18

Out: -6.021+/-0.027 $\chi^2$/NDF:64421.0/21

All: -0.287+/-0.000 $\chi^2$/NDF: 163211.8/40

# dit_sam5_11X12X_slope vs Slug, Sign Corrected

Right In: 0.193+/-0.000 $\chi^2$/NDF: 10027.5/16

Left Out: 0.331+/-0.001 $\chi^2$/NDF:51.0/2

Right Out: 0.280+/-0.001 $\chi^2$/NDF: 6059.0/18

Left In: 0.348+/-0.004 $\chi^2$/NDF:13.7/1

Left: 0.333+/-0.001 $\chi^2$/NDF: 81.7/4

Right: 0.193+/-0.000 $\chi^2$/NDF: 19578.7/35

In: 0.193+/-0.000 $\chi^2$/NDF:11638.2/18

Out: 0.307+/-0.001 $\chi^2$/NDF:6716.8/21

All: 0.193+/-0.000 $\chi^2$/NDF: 30501.4/40

# dit_sam5_4aY_slope vs Slug, Sign Corrected

Right In: 35.664+/-0.011 $\chi^2$/NDF: 218662.5/16

Left Out: 32.570+/-0.018 $\chi^2$/NDF:437.8/2

Right Out: 89.735+/-0.000 $\chi^2$/NDF: 25801560.6/18

Left In: 33.031+/-0.021 $\chi^2$/NDF:1.0/1

Left: 32.770+/-0.014 $\chi^2$/NDF: 708.8/4

Right: 89.735+/-0.000 $\chi^2$/NDF: 48650023.7/35

In: 35.072+/-0.010 $\chi^2$/NDF:230726.2/18

Out: 89.735+/-0.000 $\chi^2$/NDF:35359839.6/21

All: 89.735+/-0.000 $\chi^2$/NDF: 65425806.0/40

# dit_sam5_4eY_slope vs Slug, Sign Corrected

Right In: 81.005+/-0.035 $\chi^2$/NDF: 2228881.4/16

Left Out: 129.287+/-0.044 $\chi^2$/NDF:2396.4/2

Right Out: 27.798+/-0.000 $\chi^2$/NDF: 9183707.8/18

Left In: 128.026+/-0.068 $\chi^2$/NDF:143.6/1

Left: 128.910+/-0.037 $\chi^2$/NDF: 2783.1/4

Right: 27.798+/-0.000 $\chi^2$/NDF: 13786729.0/35

In: 90.711+/-0.031 $\chi^2$/NDF:2611727.4/18

Out: 27.798+/-0.000 $\chi^2$/NDF:14460147.6/21

All: 27.798+/-0.000 $\chi^2$/NDF: 21254389.8/40

# dit_sam6_4aX_slope vs Slug, Sign Corrected

Right In: 48.450+/-0.000 $\chi^2$/NDF: 2751.4/16

Left Out: 76.461+/-0.613 $\chi^2$/NDF:297.3/2

Right Out: 27.342+/-0.000 $\chi^2$/NDF: 25810.4/18

Left In: 59.295+/-0.382 $\chi^2$/NDF:740.9/1

Left: 64.096+/-0.324 $\chi^2$/NDF: 1602.6/4

Right: 28.365+/-0.000 $\chi^2$/NDF: 1026290104888328

In: 48.450+/-0.000 $\chi^2$/NDF:4297.9/18

Out: 27.342+/-0.000 $\chi^2$/NDF:32522.4/21

All: 28.365+/-0.000 $\chi^2$/NDF: 1026290104888

# dit_sam6_4eX_slope vs Slug, Sign Corrected

Right In: -18.800+/-0.148 $\chi^2$/NDF: 11764.7/16

Left Out: -15.049+/-0.619 $\chi^2$/NDF:258.4/2

Right Out: -5.568+/-0.000 $\chi^2$/NDF: 23097.3/18

Left In: 3.880+/-0.372 $\chi^2$/NDF:753.2/1

Left: -1.135+/-0.319 $\chi^2$/NDF: 1698.1/4

Right: -5.568+/-0.000 $\chi^2$/NDF: 42808.5/35

In: -15.682+/-0.138 $\chi^2$/NDF:15727.1/18

Out: -5.568+/-0.000 $\chi^2$/NDF:23590.0/21

All: -5.568+/-0.000 $\chi^2$/NDF: 44700.0/40

# dit_sam6_11X12X_slope vs Slug, Sign Corrected

Right In: 0.830+/-0.000 $\chi^2$/NDF: 14882.7/16

Left Out: 0.514+/-0.004 $\chi^2$/NDF:72.1/2

Right Out: 0.227+/-0.000 $\chi^2$/NDF: 11819.9/18

Left In: 0.475+/-0.003 $\chi^2$/NDF:241.3/1

Left: 0.492+/-0.002 $\chi^2$/NDF: 371.6/4

Right: 0.289+/-0.000 $\chi^2$/NDF: 29066082561457147

In: 0.830+/-0.000 $\chi^2$/NDF:26744.1/18

Out: 0.227+/-0.000 $\chi^2$/NDF:17668.9/21

All: 0.289+/-0.000 $\chi^2$/NDF: 29066082561457

# dit_sam6_4aY_slope vs Slug, Sign Corrected

Right In: 22.543+/-0.009 $\chi^2$/NDF: 105452.8/16

Left Out: 19.422+/-0.016 $\chi^2$/NDF:94.7/2

Right Out: 23.023+/-0.009 $\chi^2$/NDF: 165838.0/18

Left In: 19.038+/-0.016 $\chi^2$/NDF:0.9/1

Left: 19.234+/-0.011 $\chi^2$/NDF: 377.3/4

Right: 22.790+/-0.006 $\chi^2$/NDF: 272655.1/35

In: 21.684+/-0.008 $\chi^2$/NDF:140180.3/18

Out: 22.152+/-0.008 $\chi^2$/NDF:204231.9/21

All: 21.924+/-0.006 $\chi^2$/NDF: 346129.1/40

# dit_sam6_4eY_slope vs Slug, Sign Corrected

Right In: -2.596+/-0.000 $\chi^2$/NDF: 7395182.7/16

Left Out: 98.059+/-0.034 $\chi^2$/NDF:36.0/2

Right Out: 1.758+/-0.000 $\chi^2$/NDF: 4230949.4/18

Left In: 99.216+/-0.031 $\chi^2$/NDF:19.0/1

Left: 98.689+/-0.023 $\chi^2$/NDF: 692.4/4

Right: -1.059+/-0.000 $\chi^2$/NDF: 3731791751577379

In: -2.596+/-0.000 $\chi^2$/NDF:18222412.2/18

Out: 1.758+/-0.000 $\chi^2$/NDF:12332717.7/21

All: -1.059+/-0.000 $\chi^2$/NDF: 3731791751577

# dit_sam7_4aX_slope vs Slug, Sign Corrected

Right In: 83.573+/-0.000 $\chi^2$/NDF: 49468.0/16

Left Out: 93.831+/-0.252 $\chi^2$/NDF:489.6/2

Right Out: 93.762+/-0.000 $\chi^2$/NDF: 82848.8/18

Left In: 87.297+/-0.158 $\chi^2$/NDF:1272.6/1

Left: 89.136+/-0.134 $\chi^2$/NDF: 2244.2/4

Right: 87.169+/-0.000 $\chi^2$/NDF: 1995684404141260

In: 83.573+/-0.000 $\chi^2$/NDF:51296.9/18

Out: 93.762+/-0.000 $\chi^2$/NDF:83338.5/21

All: 87.169+/-0.000 $\chi^2$/NDF: 1995684404141

# dit_sam7_4eX_slope vs Slug, Sign Corrected

Right In: -123.524+/-0.000 $\chi^2$/NDF: 160356.5/16

Left Out: -139.700+/-0.250 $\chi^2$/NDF:441.4/2

Right Out: -133.456+/-0.000 $\chi^2$/NDF: 394896.3/18

Left In: -132.263+/-0.152 $\chi^2$/NDF:1340.9/1

Left: -134.272+/-0.130 $\chi^2$/NDF: 2427.9/4

Right: -124.716+/-0.000 $\chi^2$/NDF: 64467869901657

In: -123.524+/-0.000 $\chi^2$/NDF:164995.7/18

Out: -133.456+/-0.000 $\chi^2$/NDF:395961.2/21

All: -124.716+/-0.000 $\chi^2$/NDF: 64467869901

# dit_sam7_11X12X_slope vs Slug, Sign Corrected

Right In: 0.376+/-0.000 $\chi^2$/NDF: 3961.7/16

Left Out: 0.422+/-0.002 $\chi^2$/NDF:630.7/2

Right Out: 0.354+/-0.002 $\chi^2$/NDF: 4592.7/18

Left In: 0.414+/-0.001 $\chi^2$/NDF:2455.7/1

Left: 0.416+/-0.001 $\chi^2$/NDF: 3094.0/4

Right: 0.376+/-0.000 $\chi^2$/NDF: 8762.1/35

In: 0.376+/-0.000 $\chi^2$/NDF:7486.8/18

Out: 0.374+/-0.001 $\chi^2$/NDF:5821.7/21

All: 0.376+/-0.000 $\chi^2$/NDF: 13310.1/40

# dit_sam7_4aY_slope vs Slug, Sign Corrected

Right In: 7.032+/-0.000 $\chi^2$/NDF: 19770.1/16

Left Out: 7.171+/-0.004 $\chi^2$/NDF:466.7/2

Right Out: 7.233+/-0.002 $\chi^2$/NDF: 10061.8/18

Left In: 7.234+/-0.003 $\chi^2$/NDF:2658.3/1

Left: 7.213+/-0.003 $\chi^2$/NDF: 3256.3/4

Right: 7.032+/-0.000 $\chi^2$/NDF: 36990.7/35

In: 7.032+/-0.000 $\chi^2$/NDF:26561.2/18

Out: 7.219+/-0.002 $\chi^2$/NDF:10677.2/21

All: 7.032+/-0.000 $\chi^2$/NDF: 45222.0/40

# dit_sam7_4eY_slope vs Slug, Sign Corrected

Right In: -10.092+/-0.000 $\chi^2$/NDF: 543504.2/16

Left Out: -11.394+/-0.010 $\chi^2$/NDF:585.0/2

Right Out: -12.509+/-0.004 $\chi^2$/NDF: 103509.4/18

Left In: -11.484+/-0.008 $\chi^2$/NDF:3065.5/1

Left: -11.445+/-0.006 $\chi^2$/NDF: 3698.8/4

Right: -10.092+/-0.000 $\chi^2$/NDF: 1062248.5/35

In: -10.092+/-0.000 $\chi^2$/NDF:573444.2/18

Out: -12.365+/-0.004 $\chi^2$/NDF:115479.2/21

All: -10.092+/-0.000 $\chi^2$/NDF: 1110619.1/40

# dit_sam8_4aX_slope vs Slug, Sign Corrected

Right In: 57.510+/-0.000 $\chi^2$/NDF: 8108.6/16

Left Out: 65.018+/-0.171 $\chi^2$/NDF:668.1/2

Right Out: 66.645+/-0.013 $\chi^2$/NDF: 8163.8/18

Left In: 62.349+/-0.103 $\chi^2$/NDF:1252.2/1

Left: 63.055+/-0.088 $\chi^2$/NDF: 2099.0/4

Right: 57.510+/-0.000 $\chi^2$/NDF: 504438.3/35

In: 57.510+/-0.000 $\chi^2$/NDF:11582.2/18

Out: 66.635+/-0.013 $\chi^2$/NDF:8921.7/21

All: 57.510+/-0.000 $\chi^2$/NDF: 510502.6/40

# dit_sam8_4eX_slope vs Slug, Sign Corrected

Right In: -74.974+/-0.000 $\chi^2$/NDF: 130544.0/16

Left Out: -100.222+/-0.171 $\chi^2$/NDF:554.4/2

Right Out: -102.430+/-0.018 $\chi^2$/NDF: 50377.5/18

Left In: -98.886+/-0.123 $\chi^2$/NDF:767.3/1

Left: -99.341+/-0.100 $\chi^2$/NDF: 1361.8/4

Right: -74.974+/-0.000 $\chi^2$/NDF: 2556524.2/35

In: -74.974+/-0.000 $\chi^2$/NDF:169032.6/18

Out: -102.407+/-0.018 $\chi^2$/NDF:51096.3/21

All: -74.974+/-0.000 $\chi^2$/NDF: 2617294.1/40

# dit_sam8_11X12X_slope vs Slug, Sign Corrected

Right In: 0.541+/-0.000 $\chi^2$/NDF: 29180.5/16

Left Out: 0.391+/-0.002 $\chi^2$/NDF:441.7/2

Right Out: 0.030+/-0.000 $\chi^2$/NDF: 121659.5/18

Left In: 0.413+/-0.001 $\chi^2$/NDF:983.8/1

Left: 0.408+/-0.001 $\chi^2$/NDF: 1529.4/4

Right: 0.030+/-0.000 $\chi^2$/NDF: 23314297700963382

In: 0.541+/-0.000 $\chi^2$/NDF:44457.7/18

Out: 0.030+/-0.000 $\chi^2$/NDF:158203.9/21

All: 0.030+/-0.000 $\chi^2$/NDF: 2331429770096

# dit_sam8_4aY_slope vs Slug, Sign Corrected

Right In: -51.888+/-0.002 $\chi^2$/NDF: 77585.2/16

Left Out: -51.461+/-0.006 $\chi^2$/NDF:279.8/2

Right Out: -52.684+/-0.003 $\chi^2$/NDF: 56125.8/18

Left In: -51.586+/-0.004 $\chi^2$/NDF:152.3/1

Left: -51.549+/-0.003 $\chi^2$/NDF: 728.8/4

Right: -52.231+/-0.002 $\chi^2$/NDF: 188721.6/35

In: -51.814+/-0.002 $\chi^2$/NDF:82249.2/18

Out: -52.500+/-0.002 $\chi^2$/NDF:90799.2/21

All: -52.090+/-0.001 $\chi^2$/NDF: 223551.5/40

# dit_sam8_4eY_slope vs Slug, Sign Corrected

Right In: 47.545+/-0.000 $\chi^2$/NDF: 3491700.1/16

Left Out: 59.939+/-0.011 $\chi^2$/NDF:594.5/2

Right Out: 63.095+/-0.007 $\chi^2$/NDF: 333637.2/18

Left In: 60.346+/-0.023 $\chi^2$/NDF:23.9/1

Left: 60.015+/-0.010 $\chi^2$/NDF: 874.8/4

Right: 47.545+/-0.000 $\chi^2$/NDF: 8155028.5/35

In: 47.545+/-0.000 $\chi^2$/NDF:3802357.4/18

Out: 62.100+/-0.006 $\chi^2$/NDF:390492.6/21

All: 47.545+/-0.000 $\chi^2$/NDF: 9732909.9/40

# dit_4aX_coil1_mean vs Slug, Sign Corrected

Left: -13.681+/-0.000 $\chi^2$/NDF: 6698689727454333
Right In: -289.322+/-0.000 $\chi^2$/NDF: 536968164048489147864958539218393497 6.0/14
Right: -11.129+/-0.000 $\chi^2$/NDF: 108768514077982
Left Out: -390.207+/-0.000 $\chi^2$/NDF:1342286578808056468531031825883070464.0/2
In: -138.008+/-0.000 $\chi^2$/NDF:7852141739861965
Right Out: 259.558+/-0.000 $\chi^2$/NDF: 429988679269212397078456398377071411 2.0/15
Out: 106.234+/-0.000 $\chi^2$/NDF:7209144393995399
Left In: 453.574+/-0.000 $\chi^2$/NDF:197437315405256528052980129730658304.0/1
All: -11.691+/-0.000 $\chi^2$/NDF: 175757300813

# dit_4aX_coil1_err_mean vs Slug, Sign Corrected

Left: 0.219+/-0.000 $\chi^2$/NDF: 42734682935063020

Right In: 5.270+/-0.000 $\chi^2$/NDF: 87096832921237983305509067900846 08.0/14

Right: 0.201+/-0.000 $\chi^2$/NDF: 4846795516854343

Left Out: 9.662+/-0.000 $\chi^2$/NDF:1562900699245040198188409959743488.0/2

In: 1.854+/-0.000 $\chi^2$/NDF:458866914306010520

Right Out: -4.732+/-0.000 $\chi^2$/NDF: 685689307257521156280228142645 2480.0/15

Out: -1.335+/-0.000 $\chi^2$/NDF:4102889443177412

Left In: -11.499+/-0.000 $\chi^2$/NDF:806243619701747896707850226892 8.0/1

All: 0.205+/-0.000 $\chi^2$/NDF: 9120274121642

# dit_4aX_coil1_Ndata_mean vs Slug, Sign Corrected

Left: 70.355+/-0.000 $\chi^2$/NDF: 3933078511539734
Right In: 1046.490+/-0.000 $\chi^2$/NDF: 2486662476604851226703123468061455155 2.0/14
Right: 4.462+/-0.000 $\chi^2$/NDF: 1459849408610557 6
Left Out: 976.786+/-0.000 $\chi^2$/NDF:2688965841683988916568819627152375808.0/2
In: 618.560+/-0.000 $\chi^2$/NDF:6196945941978934 7
Right Out: -1009.445+/-0.000 $\chi^2$/NDF: 4460278368172816893549417601986828697 6.0/15
Out: -540.758+/-0.000 $\chi^2$/NDF:668216000171137
Left In: -1054.494+/-0.000 $\chi^2$/NDF:1132825224691699933669465733542078054 4.0/1
All: 18.983+/-0.000 $\chi^2$/NDF: 185441648303 8

# dit_4eX_coil1_mean vs Slug, Sign Corrected

Left: -13.274+/-0.000 $\chi^2$/NDF: 6135878131840858

Right In: -285.187+/-0.000 $\chi^2$/NDF: 447958526285354983809252192129174732 8.0/14

Right: -10.589+/-0.000 $\chi^2$/NDF: 104681795299957

Left Out: -373.676+/-0.000 $\chi^2$/NDF:1217078787916438864992564010199023616.0/2

In: -138.708+/-0.000 $\chi^2$/NDF:7302583873704882

Right Out: 256.599+/-0.000 $\chi^2$/NDF: 364827153597103916595260256319176704 0.0/15

Out: 107.874+/-0.000 $\chi^2$/NDF:673883439431273 8

Left In: 433.971+/-0.000 $\chi^2$/NDF:1796651481040583766316914887884800 00.0/1

All: -11.180+/-0.000 $\chi^2$/NDF: 166042668819

# dit_4eX_coil1_err_mean vs Slug, Sign Corrected

Left: 0.233+/-0.000 $\chi^2$/NDF: 35998368825091250

Right In: 4.959+/-0.000 $\chi^2$/NDF: 1046546705714337181737168164146380 8.0/14

Right: 0.201+/-0.000 $\chi^2$/NDF: 4782630088490530

Left Out: 8.892+/-0.000 $\chi^2$/NDF:1380720453043358951528341155348480.0/2

In: 1.808+/-0.000 $\chi^2$/NDF:421129225208819443

Right Out: -4.429+/-0.000 $\chi^2$/NDF: 8371440400334524571131796772618240.0/15

Out: -1.286+/-0.000 $\chi^2$/NDF:3767906431689350

Left In: -10.513+/-0.000 $\chi^2$/NDF:4588511677431786592135481917440.0/1

All: 0.208+/-0.000 $\chi^2$/NDF: 8382496371978

# dit_4eX_coil1_Ndata_mean vs Slug, Sign Corrected

Left: 70.355+/-0.000 $\chi^2$/NDF: 3933078511539734
Right In: 1046.490+/-0.000 $\chi^2$/NDF: 24866624766048512267031234680614551552.0/14
Right: 4.462+/-0.000 $\chi^2$/NDF: 1459849408610557
Left Out: 976.786+/-0.000 $\chi^2$/NDF:2688965841683988916568819627152375808.0/2
In: 618.560+/-0.000 $\chi^2$/NDF:6196945941978934
Right Out: -1009.445+/-0.000 $\chi^2$/NDF: 4460278368172816893549417601986828697 6.0/15
Out: -540.758+/-0.000 $\chi^2$/NDF:668216000171137
Left In: -1054.494+/-0.000 $\chi^2$/NDF:1132825224691699933669465733542078054 4.0/1
All: 18.983+/-0.000 $\chi^2$/NDF: 185441648303

# dit_11X12X_coil1_mean vs Slug, Sign Corrected

Left: -7.189+/-0.000 $\chi^2$/NDF: 15944001894110384

Right In: -210.261+/-0.000 $\chi^2$/NDF: 567711076568068409192467700494893056.0/14

Right: -3.979+/-0.000 $\chi^2$/NDF: 5596508618889263

Left Out: -191.072+/-0.000 $\chi^2$/NDF:30398861890826543892243311564842598 4.0/2

In: -122.421+/-0.000 $\chi^2$/NDF:2518404394894793

Right Out: 196.736+/-0.000 $\chi^2$/NDF: 9095888950930448406336405147903590 40.0/15

Out: 105.226+/-0.000 $\chi^2$/NDF:2488439478207584

Left In: 221.002+/-0.000 $\chi^2$/NDF:3073420740407938052868499062338355 2.0/1

All: -4.687+/-0.000 $\chi^2$/NDF: 7191207710314

# dit_11X12X_coil1_err_mean vs Slug, Sign Corrected

Left: -0.367+/-0.000 $\chi^2$/NDF: 49464555843001999

Right In: 6.842+/-0.000 $\chi^2$/NDF: 935593416682332446731664762077184 0/14

Right: 0.484+/-0.000 $\chi^2$/NDF: 64278461955509291

Left Out: 9.836+/-0.000 $\chi^2$/NDF:1360738841984277433905073040130048.0/2

In: 2.794+/-0.000 $\chi^2$/NDF:615944239027390770 4

Right Out: -5.701+/-0.000 $\chi^2$/NDF: 317469339830095339313773179148 6976.0/15

Out: -2.035+/-0.000 $\chi^2$/NDF:42528161861760205

Left In: -13.028+/-0.000 $\chi^2$/NDF:49928596650732881260820356399104.0/1

All: 0.297+/-0.000 $\chi^2$/NDF: 1139532578213 9

# dit_11X12X_coil1_Ndata_mean vs Slug, Sign Corrected

Left: 70.355+/-0.000 $\chi^2$/NDF: 3933078511539734
Right In: 1046.490+/-0.000 $\chi^2$/NDF: 24866624766048512267031234680614551552.0/14
Right: 4.462+/-0.000 $\chi^2$/NDF: 1459849408610557
Left Out: 976.786+/-0.000 $\chi^2$/NDF:2688965841683988916568819627152375808.0/2
In: 618.560+/-0.000 $\chi^2$/NDF:6196945941978934
Right Out: -1009.445+/-0.000 $\chi^2$/NDF: 4460278368172816893549417601986828697 6.0/15
Out: -540.758+/-0.000 $\chi^2$/NDF:668216000171137
Left In: -1054.494+/-0.000 $\chi^2$/NDF:1132825224691699933669465733542078054 4.0/1
All: 18.983+/-0.000 $\chi^2$/NDF: 185441648303

# dit_4aY_coil1_mean vs Slug, Sign Corrected

Left: 0.548+/-0.000 $\chi^2$/NDF: 20523778879236832

Right In: 2.171+/-0.000 $\chi^2$/NDF: 35998192469099756784104996916428 80.0/14

Right: -0.018+/-0.000 $\chi^2$/NDF: 1282950255194488

Left Out: 6.847+/-0.000 $\chi^2$/NDF:1431916862019531643549852066906112.0/2

In: 0.249+/-0.000 $\chi^2$/NDF:1615481861790507133

Right Out: -2.148+/-0.000 $\chi^2$/NDF: 30938873362393789596063219318784 00.0/15

Out: -0.025+/-0.000 $\chi^2$/NDF:1725975672353317 4

Left In: -7.269+/-0.000 $\chi^2$/NDF:7753798408046717478346270892359 68.0/1

All: 0.107+/-0.000 $\chi^2$/NDF: 3344615788035 6

# dit_4aY_coil1_err_mean vs Slug, Sign Corrected

Left: -0.016+/-0.000 $\chi^2$/NDF: 1544576028185539
Right In: 1.691+/-0.000 $\chi^2$/NDF: 612163393317609859674079412355072.0/14
Right: 0.093+/-0.000 $\chi^2$/NDF: 4326331275397035
Left Out: 1.789+/-0.000 $\chi^2$/NDF:3470597212071533254112607154995 2.0/2
In: 0.887+/-0.000 $\chi^2$/NDF:2676809086094102055
Right Out: -1.462+/-0.000 $\chi^2$/NDF: 444384511662519040022371754835968.0/15
Out: -0.695+/-0.000 $\chi^2$/NDF:21431088379142546
Left In: -2.256+/-0.000 $\chi^2$/NDF:5207729809693972036298446209024.0/1
All: 0.069+/-0.000 $\chi^2$/NDF: 5874333710699

# dit_4aY_coil1_Ndata_mean vs Slug, Sign Corrected

Left: 70.355+/-0.000 $\chi^2$/NDF: 3933078511539734
Right In: 1046.490+/-0.000 $\chi^2$/NDF: 2486662476604851226703123468061455155 2.0/14
Right: 4.462+/-0.000 $\chi^2$/NDF: 1459849408610557 6
Left Out: 976.786+/-0.000 $\chi^2$/NDF:2688965841683988916568819627152375808.0/2
In: 618.560+/-0.000 $\chi^2$/NDF:6196945941978934 7
Right Out: -1009.445+/-0.000 $\chi^2$/NDF: 4460278368172816893549417601986828697 6.0/15
Out: -540.758+/-0.000 $\chi^2$/NDF:668216000171137
Left In: -1054.494+/-0.000 $\chi^2$/NDF:1132825224691699933669465733542078054 4.0/1
All: 18.983+/-0.000 $\chi^2$/NDF: 185441648303 8

# dit_4eY_coil1_mean vs Slug, Sign Corrected

Left: -1.195+/-0.000 $\chi^2$/NDF: 14400848377670748

Right In: 3.181+/-0.000 $\chi^2$/NDF: 58333032278682526177045663941918 72.0/14

Right: 0.032+/-0.000 $\chi^2$/NDF: 23467771565313990

Left Out: 4.134+/-0.000 $\chi^2$/NDF:654375125241607735352348284813312.0/2

In: 0.943+/-0.000 $\chi^2$/NDF:2243447445135509577

Right Out: -3.032+/-0.000 $\chi^2$/NDF: 4937209831371793945496546833334272.0/15

Out: -1.341+/-0.000 $\chi^2$/NDF:13672483615818640

Left In: -7.808+/-0.000 $\chi^2$/NDF:63780066128960952363412994234777 6.0/1

All: -0.238+/-0.000 $\chi^2$/NDF: 3830551567770

# dit_4eY_coil1_err_mean vs Slug, Sign Corrected

Left: -0.024+/-0.000 $\chi^2$/NDF: 17668163532327469

Right In: 1.607+/-0.000 $\chi^2$/NDF: 46094962864014818418120573583360 0.0/14

Right: 0.091+/-0.000 $\chi^2$/NDF: 37590279045296247

Left Out: 1.907+/-0.000 $\chi^2$/NDF:42917169456626879337462188998656.0/2

In: 0.786+/-0.000 $\chi^2$/NDF:26067626407549616 85

Right Out: -1.383+/-0.000 $\chi^2$/NDF: 35834889701628620095765033779200 0.0/15

Out: -0.607+/-0.000 $\chi^2$/NDF:21051014772487078

Left In: -2.420+/-0.000 $\chi^2$/NDF:24441782281269608287509151744 00.0/1

All: 0.066+/-0.000 $\chi^2$/NDF: 55296895152974

# dit_4eY_coil1_Ndata_mean vs Slug, Sign Corrected

Left: 70.355+/-0.000 $\chi^2$/NDF: 3933078511539734
Right In: 1046.490+/-0.000 $\chi^2$/NDF: 2486662476604851226703123468061455155 2.0/14
Right: 4.462+/-0.000 $\chi^2$/NDF: 1459849408610557 6
Left Out: 976.786+/-0.000 $\chi^2$/NDF:2688965841683988916568819627152375808.0/2
In: 618.560+/-0.000 $\chi^2$/NDF:6196945941978934 7
Right Out: -1009.445+/-0.000 $\chi^2$/NDF: 4460278368172816893549417601986828697 6.0/15
Out: -540.758+/-0.000 $\chi^2$/NDF:668216000171137
Left In: -1054.494+/-0.000 $\chi^2$/NDF:1132825224691699933669465733542078054 4.0/1
All: 18.983+/-0.000 $\chi^2$/NDF: 185441648303 8

# dit_usl_coil1_mean vs Slug, Sign Corrected

Left: 880.319+/-0.000 $\chi^2$/NDF: 2650039993468846

Right In: 17988.185+/-0.000 $\chi^2$/NDF: 248151118099842171035440012375529525084 16.0/14

Right: 804.617+/-0.000 $\chi^2$/NDF: 422864756621879

Left Out: 24554.423+/-0.000 $\chi^2$/NDF:5474141393484236201179337731011824844800.0/2

In: 8519.754+/-0.000 $\chi^2$/NDF:3112740789731814

Right Out: -15915.227+/-0.000 $\chi^2$/NDF: 199541896747059527070422874160872239923 20.0/15

Out: -6365.688+/-0.000 $\chi^2$/NDF:28320150147503

Left In: -28498.388+/-0.000 $\chi^2$/NDF:7984427391420152972037170783041848606 72.0/1

All: 821.300+/-0.000 $\chi^2$/NDF: 6878704180 41

# dit_usl_coil1_err_mean vs Slug, Sign Corrected

Left: -42.483+/-0.000 $\chi^2$/NDF: 3285656248633732

Right In: 369.169+/-0.000 $\chi^2$/NDF: 48053036789565485994195833341370957824.0/14

Right: -5.517+/-0.000 $\chi^2$/NDF: 2760339889261500

Left Out: 782.643+/-0.000 $\chi^2$/NDF:1424464809572156011937168818633179136 0.0/2

In: 76.763+/-0.000 $\chi^2$/NDF:32051083761416297 4

Right Out: -370.091+/-0.000 $\chi^2$/NDF: 482144629070521075430370371253169029 12.0/15

Out: -98.083+/-0.000 $\chi^2$/NDF:2715992752478790

Left In: -1066.435+/-0.000 $\chi^2$/NDF:2191187864348584865328457430387916 8.0/1

All: -13.664+/-0.000 $\chi^2$/NDF: 604995920740

# dit_usl_coil1_Ndata_mean vs Slug, Sign Corrected

Left: 70.355+/-0.000 $\chi^2$/NDF: 3933078511539734
Right In: 1046.490+/-0.000 $\chi^2$/NDF: 2486662476604851226703123468061455155 2.0/14
Right: 4.462+/-0.000 $\chi^2$/NDF: 1459849408610557 6
Left Out: 976.786+/-0.000 $\chi^2$/NDF:2688965841683988916568819627152375808.0/2
In: 618.560+/-0.000 $\chi^2$/NDF:6196945941978934 7
Right Out: -1009.445+/-0.000 $\chi^2$/NDF: 4460278368172816893549417601986828697 6.0/15
Out: -540.758+/-0.000 $\chi^2$/NDF:668216000171137
Left In: -1054.494+/-0.000 $\chi^2$/NDF:1132825224691699933669465733542078054 4.0/1
All: 18.983+/-0.000 $\chi^2$/NDF: 185441648303 8

# dit_usr_coil1_mean vs Slug, Sign Corrected

Left: -792.288+/-0.000 $\chi^2$/NDF: 207724410972008

Right In: -18100.637+/-0.000 $\chi^2$/NDF: 146349675461735869676320407654286994 96448.0/14

Right: -425.015+/-0.000 $\chi^2$/NDF: 42892863582613

Left Out: -21762.746+/-0.000 $\chi^2$/NDF:405650234493735201335797161739186025 2672.0/2

In: -9274.747+/-0.000 $\chi^2$/NDF:263498061068611

Right Out: 16773.604+/-0.000 $\chi^2$/NDF: 142345479311358122774743428865683661 78304.0/15

Out: 7680.261+/-0.000 $\chi^2$/NDF:252024015963382

Left In: 25231.293+/-0.000 $\chi^2$/NDF:657679819019955141160326588755653689344.0/1

All: -505.954+/-0.000 $\chi^2$/NDF: 63669216725

# dit_usr_coil1_err_mean vs Slug, Sign Corrected

Left: -38.207+/-0.000 $\chi^2$/NDF: 3057031788511277

Right In: 540.663+/-0.000 $\chi^2$/NDF: 64546819695986774721678785082975846400.0/14

Right: 24.595+/-0.000 $\chi^2$/NDF: 4443717563002768

Left Out: 762.912+/-0.000 $\chi^2$/NDF:935656764713435482789790122448309452 8.0/2

In: 220.267+/-0.000 $\chi^2$/NDF:3917087614448527 9

Right Out: -477.546+/-0.000 $\chi^2$/NDF: 3879830650429695446153711680976060416 0.0/15

Out: -184.838+/-0.000 $\chi^2$/NDF:290337480291127

Left In: -1032.365+/-0.000 $\chi^2$/NDF:7130854018121981548605417081064652 8.0/1

All: 10.755+/-0.000 $\chi^2$/NDF: 7512187707707

# dit_usr_coil1_Ndata_mean vs Slug, Sign Corrected

Left: 70.355+/-0.000 $\chi^2$/NDF: 3933078511539734

Right In: 1046.490+/-0.000 $\chi^2$/NDF: 24866624766048512267031234680614551552.0/14

Right: 4.462+/-0.000 $\chi^2$/NDF: 1459849408610557

Left Out: 976.786+/-0.000 $\chi^2$/NDF:2688965841683988916568819627152375808.0/2

In: 618.560+/-0.000 $\chi^2$/NDF:6196945941978934

Right Out: -1009.445+/-0.000 $\chi^2$/NDF: 4460278368172816893549417601986828697 6.0/15

Out: -540.758+/-0.000 $\chi^2$/NDF:668216000171137

Left In: -1054.494+/-0.000 $\chi^2$/NDF:1132825224691699933669465733542078054 4.0/1

All: 18.983+/-0.000 $\chi^2$/NDF: 185441648303

# dit_atl1_coil1_mean vs Slug, Sign Corrected

Left: -399.221+/-0.000 $\chi^2$/NDF: 102612778891235

Right In: -10710.292+/-0.000 $\chi^2$/NDF: 169452261520535118404826184022501705646 08.0/14

Right: 225.546+/-0.000 $\chi^2$/NDF: 184316555733630

Left Out: -15070.248+/-0.000 $\chi^2$/NDF:270513291910191722618730842370263220224 0.0/2

In: -4901.864+/-0.000 $\chi^2$/NDF:124990999613646

Right Out: 10866.264+/-0.000 $\chi^2$/NDF: 1423476283885838248452590164413162664755 2.0/15

Out: 4746.079+/-0.000 $\chi^2$/NDF:122816975519751

Left In: 17806.994+/-0.000 $\chi^2$/NDF:5450051450910817791475561142371473162 24.0/1

All: 87.860+/-0.000 $\chi^2$/NDF: 2870425386703

# dit_atl1_coil1_err_mean vs Slug, Sign Corrected

Left: -58.386+/-0.000 $\chi^2$/NDF: 3022890571304227

Right In: 687.939+/-0.000 $\chi^2$/NDF: 4092971411043015098177533907590247874 56.0/14

Right: -214.338+/-0.000 $\chi^2$/NDF: 33349422342847

Left Out: 735.352+/-0.000 $\chi^2$/NDF:1140004574443417783818036251598415462 4.0/2

In: 335.300+/-0.000 $\chi^2$/NDF:8055792400326781

Right Out: -1092.265+/-0.000 $\chi^2$/NDF: 18831981429296058134562338129469484 56.0/15

Out: -661.006+/-0.000 $\chi^2$/NDF:242031181078105

Left In: -1043.388+/-0.000 $\chi^2$/NDF:4696848117414602830306498441327411 2.0/1

All: -179.969+/-0.000 $\chi^2$/NDF: 36442847829

# dit_atl1_coil1_Ndata_mean vs Slug, Sign Corrected

Left: 70.355+/-0.000 $\chi^2$/NDF: 3933078511539734
Right In: 1046.490+/-0.000 $\chi^2$/NDF: 24866624766048512267031234680614551552.0/14
Right: 4.462+/-0.000 $\chi^2$/NDF: 1459849408610557
Left Out: 976.786+/-0.000 $\chi^2$/NDF:2688965841683988916568819627152375808.0/2
In: 618.560+/-0.000 $\chi^2$/NDF:6196945941978934
Right Out: -1009.445+/-0.000 $\chi^2$/NDF: 4460278368172816893549417601986828697 6.0/15
Out: -540.758+/-0.000 $\chi^2$/NDF:668216000171137
Left In: -1054.494+/-0.000 $\chi^2$/NDF:1132825224691699933669465733542078054 4.0/1
All: 18.983+/-0.000 $\chi^2$/NDF: 185441648303

# dit_atl2_coil1_mean vs Slug, Sign Corrected

Left: 1389.156+/-0.000 $\chi^2$/NDF: 685861776794186

Right In: 29415.830+/-0.000 $\chi^2$/NDF: 7176498963892808290677497975389480917401 6.0/14

Right: 1854.518+/-0.000 $\chi^2$/NDF: 10900867071107

Left Out: 39297.468+/-0.000 $\chi^2$/NDF:18418504454817373435662277100408043208704.0/2

In: 14125.596+/-0.000 $\chi^2$/NDF:82075710082970 6

Right Out: -24963.010+/-0.000 $\chi^2$/NDF: 4563157292012217197283596168549431561420 8.0/15

Out: -9799.598+/-0.000 $\chi^2$/NDF:71398027700083

Left In: -45653.689+/-0.000 $\chi^2$/NDF:4050141106459007988685620053424966991872.0/1

All: 1751.962+/-0.000 $\chi^2$/NDF: 1776011290 9

# dit_atl2_coil1_err_mean vs Slug, Sign Corrected

Left: -172.851+/-0.000 $\chi^2$/NDF: 577225117503862
Right In: 1629.542+/-0.000 $\chi^2$/NDF: 5517385553550289021946978964371522191 36.0/14
Right: 38.151+/-0.000 $\chi^2$/NDF: 4482831303964084
Left Out: 3294.723+/-0.000 $\chi^2$/NDF:2165580822821360291758133044765419110 40.0/2
In: 385.962+/-0.000 $\chi^2$/NDF:5484326506053181 8
Right Out: -1510.293+/-0.000 $\chi^2$/NDF: 6882319040468162113217745246197456568 32.0/15
Out: -376.463+/-0.000 $\chi^2$/NDF:453865197934481
Left In: -4475.984+/-0.000 $\chi^2$/NDF:4921224332402398845105125452081528832.0/1
All: -8.349+/-0.000 $\chi^2$/NDF: 1026799467468

# dit_atl2_coil1_Ndata_mean vs Slug, Sign Corrected

Left: 70.355+/-0.000 $\chi^2$/NDF: 3933078511539734
Right In: 1046.490+/-0.000 $\chi^2$/NDF: 2486662476604851226703123468061455155 2.0/14
Right: 4.462+/-0.000 $\chi^2$/NDF: 1459849408610557 6
Left Out: 976.786+/-0.000 $\chi^2$/NDF:2688965841683988916568819627152375808.0/2
In: 618.560+/-0.000 $\chi^2$/NDF:6196945941978934 7
Right Out: -1009.445+/-0.000 $\chi^2$/NDF: 4460278368172816893549417601986828697 6.0/15
Out: -540.758+/-0.000 $\chi^2$/NDF:668216000171137
Left In: -1054.494+/-0.000 $\chi^2$/NDF:1132825224691699933669465733542078054 4.0/1
All: 18.983+/-0.000 $\chi^2$/NDF: 185441648303 8

# dit_atr1_coil1_mean vs Slug, Sign Corrected

Left: 1014.174+/-0.000 $\chi^2$/NDF: 22349240060497
Right In: 15540.787+/-0.000 $\chi^2$/NDF: 2738363588652360183237779538350971446886 4.0/14
Right: 592.797+/-0.000 $\chi^2$/NDF: 330452519024961
Left Out: 22754.984+/-0.000 $\chi^2$/NDF:4619606996854816253490344090207394988032.0/2
In: 7086.769+/-0.000 $\chi^2$/NDF:2557872035334840
Right Out: -13951.799+/-0.000 $\chi^2$/NDF: 1695407103573958466461281343074810095206 4.0/15
Out: -5290.176+/-0.000 $\chi^2$/NDF:23363987832034
Left In: -25965.385+/-0.000 $\chi^2$/NDF:6734222657642921007652167885153307197 44.0/1
All: 685.660+/-0.000 $\chi^2$/NDF: 55399641508

# dit_atr1_coil1_err_mean vs Slug, Sign Corrected

Left: -44.059+/-0.000 $\chi^2$/NDF: 3282594082998950
Right In: 605.034+/-0.000 $\chi^2$/NDF: 1894015227916076144486001577233628528 64.0/14
Right: -81.538+/-0.000 $\chi^2$/NDF: 1814357485385708
Left Out: 784.663+/-0.000 $\chi^2$/NDF:1094536442130744899635546553171784499 2.0/2
In: 263.358+/-0.000 $\chi^2$/NDF:5616551518880725 9
Right Out: -749.582+/-0.000 $\chi^2$/NDF: 1021358768377495935693748779804344188928.0/15
Out: -387.550+/-0.000 $\chi^2$/NDF:140278720717535
Left In: -1072.474+/-0.000 $\chi^2$/NDF:2695506626280722467547537101920665 60.0/1
All: -73.279+/-0.000 $\chi^2$/NDF: 214302427185

# dit_atr1_coil1_Ndata_mean vs Slug, Sign Corrected

Left: 70.355+/-0.000 $\chi^2$/NDF: 3933078511539734
Right In: 1046.490+/-0.000 $\chi^2$/NDF: 2486662476604851226703123468061455155 2.0/14
Right: 4.462+/-0.000 $\chi^2$/NDF: 1459849408610557 6
Left Out: 976.786+/-0.000 $\chi^2$/NDF:2688965841683988916568819627152375808.0/2
In: 618.560+/-0.000 $\chi^2$/NDF:6196945941978934 7
Right Out: -1009.445+/-0.000 $\chi^2$/NDF: 4460278368172816893549417601986828697 6.0/15
Out: -540.758+/-0.000 $\chi^2$/NDF:668216000171137
Left In: -1054.494+/-0.000 $\chi^2$/NDF:1132825224691699933669465733542078054 4.0/1
All: 18.983+/-0.000 $\chi^2$/NDF: 185441648303 8

# dit_atr2_coil1_mean vs Slug, Sign Corrected

Left: -1250.279+/-0.000 $\chi^2$/NDF: 37028335848596

Right In: -21743.360+/-0.000 $\chi^2$/NDF: 411068588235795273251986756753987930685 44.0/14

Right: -446.610+/-0.000 $\chi^2$/NDF: 64780902874572

Left Out: -29284.247+/-0.000 $\chi^2$/NDF:655268559734217092595309939975250142822 4.0/2

In: -10483.423+/-0.000 $\chi^2$/NDF:4460200957135 7

Right Out: 20275.415+/-0.000 $\chi^2$/NDF: 2593586913209292023168153241762732074598 4.0/15

Out: 8580.924+/-0.000 $\chi^2$/NDF:41906507493795 0

Left In: 33538.862+/-0.000 $\chi^2$/NDF:9273846341111218913410100233885156638 72.0/1

All: -623.722+/-0.000 $\chi^2$/NDF: 10182797056

# dit_atr2_coil1_err_mean vs Slug, Sign Corrected

Left: -157.370+/-0.000 $\chi^2$/NDF: 453062705531670

Right In: 2046.354+/-0.000 $\chi^2$/NDF: 266555515927348892036833058355226345472.0/14

Right: -203.146+/-0.000 $\chi^2$/NDF: 11161426338405

Left Out: 2927.885+/-0.000 $\chi^2$/NDF:135457072445451504435894578596215259136.0/2

In: 817.666+/-0.000 $\chi^2$/NDF:5077839935956423

Right Out: -2391.939+/-0.000 $\chi^2$/NDF: 441529496478977881525935754457949981900 8.0/15

Out: -1136.631+/-0.000 $\chi^2$/NDF:90049893351975

Left In: -3986.061+/-0.000 $\chi^2$/NDF:9241720417717185461736095469063372 80.0/1

All: -193.058+/-0.000 $\chi^2$/NDF: 15692661088

# dit_atr2_coil1_Ndata_mean vs Slug, Sign Corrected

Left: 70.355+/-0.000 $\chi^2$/NDF: 3933078511539734
Right In: 1046.490+/-0.000 $\chi^2$/NDF: 2486662476604851226703123468061455155 2.0/14
Right: 4.462+/-0.000 $\chi^2$/NDF: 1459849408610557 6
Left Out: 976.786+/-0.000 $\chi^2$/NDF:2688965841683988916568819627152375808.0/2
In: 618.560+/-0.000 $\chi^2$/NDF:6196945941978934 7
Right Out: -1009.445+/-0.000 $\chi^2$/NDF: 4460278368172816893549417601986828697 6.0/15
Out: -540.758+/-0.000 $\chi^2$/NDF:668216000171137
Left In: -1054.494+/-0.000 $\chi^2$/NDF:1132825224691699933669465733542078054 4.0/1
All: 18.983+/-0.000 $\chi^2$/NDF: 185441648303 8

# dit_sam1_coil1_mean vs Slug, Sign Corrected

Right In: 2881.935+/-0.000 $\chi^2$/NDF: 1320319391496525533692082365878834823168.0/14

Left Out: 3494.732+/-0.000 $\chi^2$/NDF:1640633559311542682625078457218933719 04.0/2

Right Out: -2656.918+/-0.000 $\chi^2$/NDF: 1077696846216053561130716877125509447680.0/15

Left In: -4442.394+/-0.000 $\chi^2$/NDF:605345005479198390441504641157955584 0.0/1

Left: -47.104+/-0.000 $\chi^2$/NDF: 5961188454698837

Right: 74.629+/-0.000 $\chi^2$/NDF: 1248948533864623

In: 1390.109+/-0.000 $\chi^2$/NDF:841775482699705 8

Out: -1205.326+/-0.000 $\chi^2$/NDF:71978621397333

All: 47.801+/-0.000 $\chi^2$/NDF: 1845497151884

# dit_sam1_coil1_err_mean vs Slug, Sign Corrected

Left: -6.790+/-0.000 $\chi^2$/NDF: 61911178151365021

Right In: 138.577+/-0.000 $\chi^2$/NDF: 4242369889979811373883774021335515136.0/14

Right: -0.492+/-0.000 $\chi^2$/NDF: 3296375379571767

Left Out: 108.097+/-0.000 $\chi^2$/NDF:9415119568894272333731769441111244 8.0/2

In: 79.930+/-0.000 $\chi^2$/NDF:15205699772955230

Right Out: -135.809+/-0.000 $\chi^2$/NDF: 39564017418625242632431608681736437 76.0/15

Out: -78.255+/-0.000 $\chi^2$/NDF:1341367907653392

Left In: -149.360+/-0.000 $\chi^2$/NDF:3854310868698127117572258530328576.0/1

All: -1.880+/-0.000 $\chi^2$/NDF: 3916637375816

# dit_sam1_coil1_Ndata_mean vs Slug, Sign Corrected

Left: 70.355+/-0.000 $\chi^2$/NDF: 39330785115397340

Right In: 1046.490+/-0.000 $\chi^2$/NDF: 24866624766048512267031234680614551552.0/14

Right: 4.462+/-0.000 $\chi^2$/NDF: 14598494086105576

Left Out: 976.786+/-0.000 $\chi^2$/NDF:2688965841683988916568819627152375808.0/2

In: 618.560+/-0.000 $\chi^2$/NDF:61969459419789347

Right Out: -1009.445+/-0.000 $\chi^2$/NDF: 4460278368172816893549417601986828697 6.0/15

Out: -540.758+/-0.000 $\chi^2$/NDF:668216000171137

Left In: -1054.494+/-0.000 $\chi^2$/NDF:11328252246916999336694657335420780544.0/1

All: 18.983+/-0.000 $\chi^2$/NDF: 185441648303 8

# dit_sam2_coil1_mean vs Slug, Sign Corrected

Left: 3362.876+/-0.000 $\chi^2$/NDF: 256877976417547

Right In: 69827.797+/-0.000 $\chi^2$/NDF: 187803282116493131197684060541288926150656.0/14

Right: 1210.454+/-0.000 $\chi^2$/NDF: 64287668357099

Left Out: 77263.112+/-0.000 $\chi^2$/NDF:428445586655956019194922808668680355840 00.0/2

In: 37611.079+/-0.000 $\chi^2$/NDF:349978957658992

Right Out: -65555.147+/-0.000 $\chi^2$/NDF: 212001467811386750910625783195999741673472.0/15

Out: -31854.619+/-0.000 $\chi^2$/NDF:3465150936534

Left In: -88344.645+/-0.000 $\chi^2$/NDF:481402767498985997526468162003071401984 0.0/1

All: 1684.803+/-0.000 $\chi^2$/NDF: 8998890235

# dit_sam2_coil1_err_mean vs Slug, Sign Corrected

Left: 47.352+/-0.000 $\chi^2$/NDF: 1235652969954644
Right In: 1330.956+/-0.000 $\chi^2$/NDF: 6494812638426816594494091470595728343 04.0/14
Right: 20.358+/-0.000 $\chi^2$/NDF: 3481069250883615
Left Out: 1656.324+/-0.000 $\chi^2$/NDF:4053967965661869079291043332548775116 8.0/2
In: 662.825+/-0.000 $\chi^2$/NDF:2071893695980224
Right Out: -1254.871+/-0.000 $\chi^2$/NDF: 6321400689833040628098177168008617656 32.0/15
Out: -567.923+/-0.000 $\chi^2$/NDF:200657399344997
Left In: -1949.324+/-0.000 $\chi^2$/NDF:2774341536931017956279227427219046 4.0/1
All: 26.307+/-0.000 $\chi^2$/NDF: 471693354511

# dit_sam2_coil1_Ndata_mean vs Slug, Sign Corrected

Left: 70.355+/-0.000 $\chi^2$/NDF: 3933078511539734
Right In: 1046.490+/-0.000 $\chi^2$/NDF: 2486662476604851226703123468061455155 2.0/14
Right: 4.462+/-0.000 $\chi^2$/NDF: 1459849408610557 6
Left Out: 976.786+/-0.000 $\chi^2$/NDF:2688965841683988916568819627152375808.0/2
In: 618.560+/-0.000 $\chi^2$/NDF:6196945941978934 7
Right Out: -1009.445+/-0.000 $\chi^2$/NDF: 4460278368172816893549417601986828697 6.0/15
Out: -540.758+/-0.000 $\chi^2$/NDF:668216000171137
Left In: -1054.494+/-0.000 $\chi^2$/NDF:1132825224691699933669465733542078054 4.0/1
All: 18.983+/-0.000 $\chi^2$/NDF: 185441648303 8

# dit_sam3_coil1_mean vs Slug, Sign Corrected

Left: 2313.106+/-0.000 $\chi^2$/NDF: 948496031786245
Right In: 34919.716+/-0.000 $\chi^2$/NDF: 1063873854407186221551225418487299970170 88.0/14
Right: 1872.760+/-0.000 $\chi^2$/NDF: 15931536557711
Left Out: 47262.577+/-0.000 $\chi^2$/NDF:1385230039680268584430496618026782582374 4.0/2
In: 16916.908+/-0.000 $\chi^2$/NDF:114101246298166
Right Out: -30282.373+/-0.000 $\chi^2$/NDF: 883461652665931266275989516935060730675 20.0/15
Out: -11984.252+/-0.000 $\chi^2$/NDF:1048622697560
Left In: -53467.563+/-0.000 $\chi^2$/NDF:192383645398460777634865131669738749952 0.0/1
All: 1969.803+/-0.000 $\chi^2$/NDF: 2541705923 4

# dit_sam3_coil1_err_mean vs Slug, Sign Corrected

Left: 64.136+/-0.000 $\chi^2$/NDF: 6771592573162571
Right In: 663.574+/-0.000 $\chi^2$/NDF: 1576918128727208228869149665973124464 64.0/14
Right: 22.529+/-0.000 $\chi^2$/NDF: 8336101395091641
Left Out: 1255.312+/-0.000 $\chi^2$/NDF:2190729112662116605770210333278024499 2.0/2
In: 240.397+/-0.000 $\chi^2$/NDF:7285321095298631
Right Out: -601.216+/-0.000 $\chi^2$/NDF: 1497178843318893323399953343508318781 44.0/15
Out: -163.135+/-0.000 $\chi^2$/NDF:714102736511975
Left In: -1414.069+/-0.000 $\chi^2$/NDF:2336006648880102053602803081470279 68.0/1
All: 31.698+/-0.000 $\chi^2$/NDF: 1511271473831

# dit_sam3_coil1_Ndata_mean vs Slug, Sign Corrected

Left: 70.355+/-0.000 $\chi^2$/NDF: 3933078511539734
Right In: 1046.490+/-0.000 $\chi^2$/NDF: 2486662476604851226703123468061455155 2.0/14
Right: 4.462+/-0.000 $\chi^2$/NDF: 1459849408610557 6
Left Out: 976.786+/-0.000 $\chi^2$/NDF:2688965841683988916568819627152375808.0/2
In: 618.560+/-0.000 $\chi^2$/NDF:6196945941978934 7
Right Out: -1009.445+/-0.000 $\chi^2$/NDF: 4460278368172816893549417601986828697 6.0/15
Out: -540.758+/-0.000 $\chi^2$/NDF:668216000171137
Left In: -1054.494+/-0.000 $\chi^2$/NDF:1132825224691699933669465733542078054 4.0/1
All: 18.983+/-0.000 $\chi^2$/NDF: 185441648303 8

# dit_sam4_coil1_mean vs Slug, Sign Corrected

Left: 3078.467+/-0.000 $\chi^2$/NDF: 25743587055529

Right In: 53422.452+/-0.000 $\chi^2$/NDF: 3606357573151338001337511231677773465518 08.0/14

Right: 3412.622+/-0.000 $\chi^2$/NDF: 3849169146586 3

Left Out: 77057.323+/-0.000 $\chi^2$/NDF:4209373238543755550719091675624904432025 6.0/2

In: 24469.390+/-0.000 $\chi^2$/NDF:3037469846335 21

Right Out: -45247.617+/-0.000 $\chi^2$/NDF: 2860601964880344302157846133740555479285 76.0/15

Out: -16387.574+/-0.000 $\chi^2$/NDF:2682481071298

Left In: -88726.619+/-0.000 $\chi^2$/NDF:5776677186666036905341987251144032780288.0/1

All: 3338.981+/-0.000 $\chi^2$/NDF: 6423560235 4

# dit_sam4_coil1_err_mean vs Slug, Sign Corrected

Left: 125.701+/-0.000 $\chi^2$/NDF: 2122323937905588

Right In: 949.197+/-0.000 $\chi^2$/NDF: 2256910321831537327333080940676581949 44.0/14

Right: 37.382+/-0.000 $\chi^2$/NDF: 1494917928354426

Left Out: 2229.052+/-0.000 $\chi^2$/NDF:7945321669762951033559254522531728588 8.0/2

In: 249.822+/-0.000 $\chi^2$/NDF:1784760835622382

Right Out: -849.827+/-0.000 $\chi^2$/NDF: 2046222242615772477022273127451973386 24.0/15

Out: -123.310+/-0.000 $\chi^2$/NDF:177605863927205

Left In: -2484.482+/-0.000 $\chi^2$/NDF:5420227784359426442251313562433617 92.0/1

All: 56.845+/-0.000 $\chi^2$/NDF: 3619504083635

# dit_sam4_coil1_Ndata_mean vs Slug, Sign Corrected

Left: 70.355+/-0.000 $\chi^2$/NDF: 3933078511539734
Right In: 1046.490+/-0.000 $\chi^2$/NDF: 24866624766048512267031234680614551552.0/14
Right: 4.462+/-0.000 $\chi^2$/NDF: 1459849408610557
Left Out: 976.786+/-0.000 $\chi^2$/NDF:2688965841683988916568819627152375808.0/2
In: 618.560+/-0.000 $\chi^2$/NDF:6196945941978934
Right Out: -1009.445+/-0.000 $\chi^2$/NDF: 4460278368172816893549417601986828697 6.0/15
Out: -540.758+/-0.000 $\chi^2$/NDF:668216000171137
Left In: -1054.494+/-0.000 $\chi^2$/NDF:1132825224691699933669465733542078054 4.0/1
All: 18.983+/-0.000 $\chi^2$/NDF: 185441648303

# dit_sam5_coil1_mean vs Slug, Sign Corrected

Left: -186.303+/-0.000 $\chi^2$/NDF: 254139285568669

Right In: 254.578+/-0.000 $\chi^2$/NDF: 9784021135310066407415692239672495308 80.0/14

Right: -53.015+/-0.000 $\chi^2$/NDF: 220036732540735

Left Out: -24.392+/-0.000 $\chi^2$/NDF:111103391973989235804039859359837061 12.0/2

In: 123.854+/-0.000 $\chi^2$/NDF:1035054584137920

Right Out: -352.308+/-0.000 $\chi^2$/NDF: 1100813647101508513447529068154010468352.0/15

Out: -274.930+/-0.000 $\chi^2$/NDF:112884795416418

Left In: -387.229+/-0.000 $\chi^2$/NDF:2201684348417300022304872528733011968.0/1

All: -82.389+/-0.000 $\chi^2$/NDF: 223093364985

# dit_sam5_coil1_err_mean vs Slug, Sign Corrected

Left: 8.240+/-0.000 $\chi^2$/NDF: 503982911643471000

Right In: 196.955+/-0.000 $\chi^2$/NDF: 448524516032965791462137242583878860 8.0/14

Right: 11.081+/-0.000 $\chi^2$/NDF: 5261792058222240

Left Out: 329.772+/-0.000 $\chi^2$/NDF:2509734295619937931000518974935924736.0/2

In: 77.247+/-0.000 $\chi^2$/NDF:503091109379070328

Right Out: -169.778+/-0.000 $\chi^2$/NDF: 389260944549484578449355864638541 0048.0/15

Out: -51.900+/-0.000 $\chi^2$/NDF:4567916819652195

Left In: -390.768+/-0.000 $\chi^2$/NDF:1632630829491864634619486890769776 64.0/1

All: 10.455+/-0.000 $\chi^2$/NDF: 1030185512650

# dit_sam5_coil1_Ndata_mean vs Slug, Sign Corrected

Left: 70.355+/-0.000 $\chi^2$/NDF: 3933078511539734
Right In: 1046.490+/-0.000 $\chi^2$/NDF: 2486662476604851226703123468061455155 2.0/14
Right: 4.462+/-0.000 $\chi^2$/NDF: 1459849408610557 6
Left Out: 976.786+/-0.000 $\chi^2$/NDF:2688965841683988916568819627152375808.0/2
In: 618.560+/-0.000 $\chi^2$/NDF:6196945941978934 7
Right Out: -1009.445+/-0.000 $\chi^2$/NDF: 4460278368172816893549417601986828697 6.0/15
Out: -540.758+/-0.000 $\chi^2$/NDF:668216000171137
Left In: -1054.494+/-0.000 $\chi^2$/NDF:1132825224691699933669465733542078054 4.0/1
All: 18.983+/-0.000 $\chi^2$/NDF: 185441648303 8

# dit_sam6_coil1_mean vs Slug, Sign Corrected

Left: -798.102+/-0.000 $\chi^2$/NDF: 251760117372861

Right In: -12479.653+/-0.000 $\chi^2$/NDF: 411786332312538053173533339734752719011 84.0/14

Right: -965.413+/-0.000 $\chi^2$/NDF: 24217037814564

Left Out: -23846.927+/-0.000 $\chi^2$/NDF:5751353375963456956758438346019020210176.0/2

In: -4274.505+/-0.000 $\chi^2$/NDF:256462312754781

Right Out: 10238.098+/-0.000 $\chi^2$/NDF: 3122786112615953403196150192322371806822 4.0/15

Out: 2195.125+/-0.000 $\chi^2$/NDF:219833872414308

Left In: 27804.656+/-0.000 $\chi^2$/NDF:7640593667131861825635797746630241812 48.0/1

All: -928.541+/-0.000 $\chi^2$/NDF: 49393861401

# dit_sam6_coil1_err_mean vs Slug, Sign Corrected

Left: 7.373+/-0.000 $\chi^2$/NDF: 1286873631874786 09

Right In: 245.832+/-0.000 $\chi^2$/NDF: 7828269009300013139414476154059358208.0/14

Right: 14.878+/-0.000 $\chi^2$/NDF: 7925780675793006

Left Out: 523.924+/-0.000 $\chi^2$/NDF:5412694628951003390644345019679375360.0/2

In: 66.699+/-0.000 $\chi^2$/NDF:11017267307146949 4

Right Out: -209.844+/-0.000 $\chi^2$/NDF: 3128489258838765241921217786024034304.0/15

Out: -36.698+/-0.000 $\chi^2$/NDF:9328256754557082

Left In: -633.648+/-0.000 $\chi^2$/NDF:9806796273346498079034019002554777 6.0/1

All: 13.224+/-0.000 $\chi^2$/NDF: 2079615065504

# dit_sam6_coil1_Ndata_mean vs Slug, Sign Corrected

Left: 70.355+/-0.000 $\chi^2$/NDF: 3933078511539734
Right In: 1046.490+/-0.000 $\chi^2$/NDF: 24866624766048512267031234680614551552.0/14
Right: 4.462+/-0.000 $\chi^2$/NDF: 1459849408610557
Left Out: 976.786+/-0.000 $\chi^2$/NDF:2688965841683988916568819627152375808.0/2
In: 618.560+/-0.000 $\chi^2$/NDF:6196945941978934
Right Out: -1009.445+/-0.000 $\chi^2$/NDF: 4460278368172816893549417601986828697 6.0/15
Out: -540.758+/-0.000 $\chi^2$/NDF:668216000171137
Left In: -1054.494+/-0.000 $\chi^2$/NDF:1132825224691699933669465733542078054 4.0/1
All: 18.983+/-0.000 $\chi^2$/NDF: 185441648303

# dit_sam7_coil1_mean vs Slug, Sign Corrected

Left: 625.606+/-0.000 $\chi^2$/NDF: 102323509025842
Right In: 11542.759+/-0.000 $\chi^2$/NDF: 1423354312323856635722676621901468742451 2.0/14
Right: 451.741+/-0.000 $\chi^2$/NDF: 183007796935000
Left Out: 15363.637+/-0.000 $\chi^2$/NDF:1802622311774633898513025897546209296384.0/2
In: 5593.947+/-0.000 $\chi^2$/NDF:127242028254111 6
Right Out: -10339.969+/-0.000 $\chi^2$/NDF: 1126083386340675164592342006298241820262 4.0/15
Out: -4274.742+/-0.000 $\chi^2$/NDF:11704755347582
Left In: -17663.757+/-0.000 $\chi^2$/NDF:2485797643097045877372683015983820963 84.0/1
All: 490.058+/-0.000 $\chi^2$/NDF: 28534007296 0

# dit_sam7_coil1_err_mean vs Slug, Sign Corrected

Left: 22.712+/-0.000 $\chi^2$/NDF: 5955721374910791
Right In: 198.850+/-0.000 $\chi^2$/NDF: 18333995109503438037075916944440295424.0/14
Right: 4.640+/-0.000 $\chi^2$/NDF: 8155814157634257
Left Out: 374.141+/-0.000 $\chi^2$/NDF:2525402656459186407749481003520884736.0/2
In: 74.147+/-0.000 $\chi^2$/NDF:67903248403922796
Right Out: -184.328+/-0.000 $\chi^2$/NDF: 14927434931395588601024961538372403200.0/15
Out: -52.548+/-0.000 $\chi^2$/NDF:6654110598080412
Left In: -413.399+/-0.000 $\chi^2$/NDF:18283109025082408247454436209721344.0/1
All: 8.623+/-0.000 $\chi^2$/NDF: 1412100679395

# dit_sam7_coil1_Ndata_mean vs Slug, Sign Corrected

Left: 70.355+/-0.000 $\chi^2$/NDF: 39330785115397340

Right In: 1046.490+/-0.000 $\chi^2$/NDF: 24866624766048512267031234680614551552.0/14

Right: 4.462+/-0.000 $\chi^2$/NDF: 14598494086105576

Left Out: 976.786+/-0.000 $\chi^2$/NDF:26889658416839889165688196271523758 08.0/2

In: 618.560+/-0.000 $\chi^2$/NDF:61969459419789347

Right Out: -1009.445+/-0.000 $\chi^2$/NDF: 4460278368172816893549417601986828 6976.0/15

Out: -540.758+/-0.000 $\chi^2$/NDF:668216000171137

Left In: -1054.494+/-0.000 $\chi^2$/NDF:11328252246916999336694657335420780544.0/1

All: 18.983+/-0.000 $\chi^2$/NDF: 185441648303 8

# dit_sam8_coil1_mean vs Slug, Sign Corrected

Left: 225.404+/-0.000 $\chi^2$/NDF: 6276373719777575

Right In: 8567.784+/-0.000 $\chi^2$/NDF: 111060488789725013664290556796457084518 40.0/14

Right: 642.005+/-0.000 $\chi^2$/NDF: 101620430321781

Left Out: 11754.887+/-0.000 $\chi^2$/NDF:13294051322256333248815802414624512409 60.0/2

In: 3954.399+/-0.000 $\chi^2$/NDF:789914626840333

Right Out: -7069.884+/-0.000 $\chi^2$/NDF: 100768623635026521113782105396643878666 24.0/15

Out: -2627.842+/-0.000 $\chi^2$/NDF:67181094219978

Left In: -14082.269+/-0.000 $\chi^2$/NDF:69186256991253247423274316925836984320.0/1

All: 550.195+/-0.000 $\chi^2$/NDF: 16443450240

# dit_sam8_coil1_err_mean vs Slug, Sign Corrected

Left: 28.965+/-0.000 $\chi^2$/NDF: 4798578135927191
Right In: 130.021+/-0.000 $\chi^2$/NDF: 3115259987552341725946418665378283520.0/14
Right: -0.100+/-0.000 $\chi^2$/NDF: 3019268215396835
Left Out: 343.085+/-0.000 $\chi^2$/NDF:2323621180259407130232558768667754496.0/2
In: 30.040+/-0.000 $\chi^2$/NDF:3507789700167613
Right Out: -126.709+/-0.000 $\chi^2$/NDF: 5397122581297664561308621600668516352.0/15
Out: -15.852+/-0.000 $\chi^2$/NDF:4245782362408466
Left In: -360.846+/-0.000 $\chi^2$/NDF:1117655353371523932204369923350200 32.0/1
All: 6.306+/-0.000 $\chi^2$/NDF: 7842346904938

# dit_sam8_coil1_Ndata_mean vs Slug, Sign Corrected

Left: 70.355+/-0.000 $\chi^2$/NDF: 3933078511539734
Right In: 1046.490+/-0.000 $\chi^2$/NDF: 24866624766048512267031234680614551552.0/14
Right: 4.462+/-0.000 $\chi^2$/NDF: 1459849408610557
Left Out: 976.786+/-0.000 $\chi^2$/NDF:2688965841683988916568819627152375808.0/2
In: 618.560+/-0.000 $\chi^2$/NDF:6196945941978934
Right Out: -1009.445+/-0.000 $\chi^2$/NDF: 4460278368172816893549417601986828697 6.0/15
Out: -540.758+/-0.000 $\chi^2$/NDF:668216000171137
Left In: -1054.494+/-0.000 $\chi^2$/NDF:1132825224691699933669465733542078054 4.0/1
All: 18.983+/-0.000 $\chi^2$/NDF: 185441648303

# dit_4aX_coil3_mean vs Slug, Sign Corrected

Left: -2.757+/-0.000 $\chi^2$/NDF: 22218869752500659

Right In: -36.540+/-0.000 $\chi^2$/NDF: 2543518678614446092026376338643353 60.0/14

Right: -2.265+/-0.000 $\chi^2$/NDF: 1939933040270060

Left Out: -71.298+/-0.000 $\chi^2$/NDF:4591314353683128872540921777251942 4.0/2

In: -12.335+/-0.000 $\chi^2$/NDF:2128511023520047 8

Right Out: 31.085+/-0.000 $\chi^2$/NDF: 1812910791193816361784084988763832 32.0/15

Out: 6.926+/-0.000 $\chi^2$/NDF:1877008437991781 11

Left In: 82.299+/-0.000 $\chi^2$/NDF:7304900606581888368990245523292160.0/1

All: -2.373+/-0.000 $\chi^2$/NDF: 4161890334412

# dit_4aX_coil3_err_mean vs Slug, Sign Corrected

Left: -0.038+/-0.000 $\chi^2$/NDF: 2572689296757708

Right In: 2.867+/-0.000 $\chi^2$/NDF: 3455499087584693564208174061322240.0/14

Right: -0.016+/-0.000 $\chi^2$/NDF: 1715222089110172

Left Out: 2.303+/-0.000 $\chi^2$/NDF:4277459954538738635472522287513 6.0/2

In: 1.684+/-0.000 $\chi^2$/NDF:7917984530217510625

Right Out: -2.821+/-0.000 $\chi^2$/NDF: 3052948718107902490497172912472064.0/15

Out: -1.612+/-0.000 $\chi^2$/NDF:7228571468589880 0

Left In: -2.943+/-0.000 $\chi^2$/NDF:3556874034331455791690678272.0/1

All: -0.021+/-0.000 $\chi^2$/NDF: 1972505045176

# dit_4aX_coil3_Ndata_mean vs Slug, Sign Corrected

Left: 57.672+/-0.000 $\chi^2$/NDF: 3676273647365186
Right In: 1104.111+/-0.000 $\chi^2$/NDF: 32737841591587454251521906421545304064.0/14
Right: 33.659+/-0.000 $\chi^2$/NDF: 1569083056347410
Left Out: 941.748+/-0.000 $\chi^2$/NDF:36246079295549544597873176756323614 72.0/2
In: 667.512+/-0.000 $\chi^2$/NDF:6433084069100278
Right Out: -1007.906+/-0.000 $\chi^2$/NDF: 69077878009873965622695939627477368832.0/15
Out: -547.850+/-0.000 $\chi^2$/NDF:670967365358664
Left In: -1039.434+/-0.000 $\chi^2$/NDF:31908904625875874854654267296820756 48.0/1
All: 38.951+/-0.000 $\chi^2$/NDF: 1936877656205

# dit_4eX_coil3_mean vs Slug, Sign Corrected

Left: -2.838+/-0.000 $\chi^2$/NDF: 23097541143798562

Right In: -43.289+/-0.000 $\chi^2$/NDF: 199342736778845281087197523996573696.0/14

Right: -2.174+/-0.000 $\chi^2$/NDF: 2512687101518028

Left Out: -72.733+/-0.000 $\chi^2$/NDF:4704972829964064883987202723073273288.0/2

In: -17.384+/-0.000 $\chi^2$/NDF:23452012919659709

Right Out: 37.832+/-0.000 $\chi^2$/NDF: 1486839339772049366346368438973235 20.0/15

Out: 11.742+/-0.000 $\chi^2$/NDF:2119795922220737 9

Left In: 83.898+/-0.000 $\chi^2$/NDF:7467176553652537023035223176118272.0/1

All: -2.320+/-0.000 $\chi^2$/NDF: 4822569347620

# dit_4eX_coil3_err_mean vs Slug, Sign Corrected

Left: -0.026+/-0.000 $\chi^2$/NDF: 23561438576611482

Right In: 2.832+/-0.000 $\chi^2$/NDF: 39576725319290173285125643231559 68.0/14

Right: -0.015+/-0.000 $\chi^2$/NDF: 1792170452533502

Left Out: 2.213+/-0.000 $\chi^2$/NDF:413492940893558052874059325112 32.0/2

In: 1.684+/-0.000 $\chi^2$/NDF:815757885775723021

Right Out: -2.784+/-0.000 $\chi^2$/NDF: 3589544956108116898091236897849344.0/15

Out: -1.605+/-0.000 $\chi^2$/NDF:75616144429382610

Left In: -2.805+/-0.000 $\chi^2$/NDF:19583345821233751586242 56.0/1

All: -0.017+/-0.000 $\chi^2$/NDF: 2027788620491

# dit_4eX_coil3_Ndata_mean vs Slug, Sign Corrected

Left: 57.672+/-0.000 $\chi^2$/NDF: 3676273647365186
Right In: 1104.111+/-0.000 $\chi^2$/NDF: 32737841591587454251521906421545304064.0/14
Right: 33.659+/-0.000 $\chi^2$/NDF: 1569083056347410
Left Out: 941.748+/-0.000 $\chi^2$/NDF:36246079295549544597873176756323614 72.0/2
In: 667.512+/-0.000 $\chi^2$/NDF:6433084069100278
Right Out: -1007.906+/-0.000 $\chi^2$/NDF: 69077878009873965622695939627477368832.0/15
Out: -547.850+/-0.000 $\chi^2$/NDF:670967365358664
Left In: -1039.434+/-0.000 $\chi^2$/NDF:31908904625875874854654267296820756 48.0/1
All: 38.951+/-0.000 $\chi^2$/NDF: 1936877656205

# dit_11X12X_coil3_mean vs Slug, Sign Corrected

Left: -2.301+/-0.000 $\chi^2$/NDF: 20427425685657465

Right In: -72.949+/-0.000 $\chi^2$/NDF: 657554284648579803068791262910873 60.0/14

Right: -1.347+/-0.000 $\chi^2$/NDF: 6737392391922205

Left Out: -68.151+/-0.000 $\chi^2$/NDF:369116774761125334830027812645109 76.0/2

In: -41.915+/-0.000 $\chi^2$/NDF:3138629106988948 7

Right Out: 68.324+/-0.000 $\chi^2$/NDF: 1066943448982023644833671313725849 60.0/15

Out: 36.120+/-0.000 $\chi^2$/NDF:3075060419461836 5

Left In: 79.417+/-0.000 $\chi^2$/NDF:4034723146011087333091154975522816.0/1

All: -1.557+/-0.000 $\chi^2$/NDF: 8780398939240

# dit_11X12X_coil3_err_mean vs Slug, Sign Corrected

Left: 0.272+/-0.000 $\chi^2$/NDF: 28237651166109008

Right In: 3.793+/-0.000 $\chi^2$/NDF: 32053892427261296197962908104130 56.0/14

Right: -0.047+/-0.000 $\chi^2$/NDF: 2496367810067656

Left Out: 2.688+/-0.000 $\chi^2$/NDF:12113313873202224822499551268044 8.0/2

In: 2.465+/-0.000 $\chi^2$/NDF:883100255619470420 3

Right Out: -3.783+/-0.000 $\chi^2$/NDF: 28785866221926766544523387553710 08.0/15

Out: -2.256+/-0.000 $\chi^2$/NDF:95896088407297491

Left In: -2.725+/-0.000 $\chi^2$/NDF:93179840013289551523536426762 24.0/1

All: 0.023+/-0.000 $\chi^2$/NDF: 2781696807128 5

# dit_11X12X_coil3_Ndata_mean vs Slug, Sign Corrected

Left: 57.672+/-0.000 $\chi^2$/NDF: 3676273647365186
Right In: 1104.111+/-0.000 $\chi^2$/NDF: 327378415915874542515219064215453040 64.0/14
Right: 33.659+/-0.000 $\chi^2$/NDF: 1569083056347410
Left Out: 941.748+/-0.000 $\chi^2$/NDF:362460792955495445978731767563236147 2.0/2
In: 667.512+/-0.000 $\chi^2$/NDF:6433084069100278
Right Out: -1007.906+/-0.000 $\chi^2$/NDF: 69077878009873965622695939627477368832.0/15
Out: -547.850+/-0.000 $\chi^2$/NDF:670967365358664
Left In: -1039.434+/-0.000 $\chi^2$/NDF:319089046258758748546542672968207 5648.0/1
All: 38.951+/-0.000 $\chi^2$/NDF: 1936877656205

# dit_4aY_coil3_mean vs Slug, Sign Corrected

Left: 0.486+/-0.000 $\chi^2$/NDF: 93359916659056632
Right In: 4.025+/-0.000 $\chi^2$/NDF: 76900165044232192812947383255040 0.0/14
Right: 0.050+/-0.000 $\chi^2$/NDF: 2189275488787973
Left Out: 4.913+/-0.000 $\chi^2$/NDF:2735611218100772836204524559400 96.0/2
In: 2.185+/-0.000 $\chi^2$/NDF:115693670245064275
Right Out: -3.819+/-0.000 $\chi^2$/NDF: 88823224022643432911485917147955 2.0/15
Out: -1.758+/-0.000 $\chi^2$/NDF:13160609498203927
Left In: -5.008+/-0.000 $\chi^2$/NDF:15374602220850985400950677569536.0/1
All: 0.146+/-0.000 $\chi^2$/NDF: 3128397124458

# dit_4aY_coil3_err_mean vs Slug, Sign Corrected

Left: 0.008+/-0.000 $\chi^2$/NDF: 59083550994711060
Right In: 0.839+/-0.000 $\chi^2$/NDF: 2584160253346156615211630838415 36.0/14
Right: -0.014+/-0.000 $\chi^2$/NDF: 1442205906502244
Left Out: 0.360+/-0.000 $\chi^2$/NDF:185836774883474634174369051443 2.0/2
In: 0.581+/-0.000 $\chi^2$/NDF:470683072709268870 8
Right Out: -0.844+/-0.000 $\chi^2$/NDF: 252917509393432760240648918925312.0/15
Out: -0.559+/-0.000 $\chi^2$/NDF:482831944300571 56
Left In: -0.428+/-0.000 $\chi^2$/NDF:786926286616232161991112785 92.0/1
All: -0.009+/-0.000 $\chi^2$/NDF: 1501433457428

# dit_4aY_coil3_Ndata_mean vs Slug, Sign Corrected

Left: 57.672+/-0.000 $\chi^2$/NDF: 3676273647365186
Right In: 1104.111+/-0.000 $\chi^2$/NDF: 32737841591587454251521906421545304064.0/14
Right: 33.659+/-0.000 $\chi^2$/NDF: 1569083056347410
Left Out: 941.748+/-0.000 $\chi^2$/NDF:36246079295549544597873176756323614 72.0/2
In: 667.512+/-0.000 $\chi^2$/NDF:6433084069100278
Right Out: -1007.906+/-0.000 $\chi^2$/NDF: 69077878009873965622695939627477368832.0/15
Out: -547.850+/-0.000 $\chi^2$/NDF:670967365358664
Left In: -1039.434+/-0.000 $\chi^2$/NDF:31908904625875874854654267296820756 48.0/1
All: 38.951+/-0.000 $\chi^2$/NDF: 1936877656205

# dit_4eY_coil3_mean vs Slug, Sign Corrected

Left: -0.495+/-0.000 $\chi^2$/NDF: 71402039652476093

Right In: 4.275+/-0.000 $\chi^2$/NDF: 597188707898198851792415435522048.0/14

Right: 0.061+/-0.000 $\chi^2$/NDF: 24108117163015416

Left Out: 3.334+/-0.000 $\chi^2$/NDF:35106412619767291495066090707353 6.0/2

In: 2.335+/-0.000 $\chi^2$/NDF:126029361516779281 2

Right Out: -4.039+/-0.000 $\chi^2$/NDF: 772368848194464324973108765130752.0/15

Out: -2.300+/-0.000 $\chi^2$/NDF:96811509879248627

Left In: -5.248+/-0.000 $\chi^2$/NDF:183168707277105734608486819430 40.0/1

All: -0.062+/-0.000 $\chi^2$/NDF: 3133805656858

# dit_4eY_coil3_err_mean vs Slug, Sign Corrected

Left: 0.015+/-0.000 $\chi^2$/NDF: 71006701684787962

Right In: 0.793+/-0.000 $\chi^2$/NDF: 195508777173589483440314700005376.0/14

Right: -0.003+/-0.000 $\chi^2$/NDF: 1193841006449656

Left Out: 0.400+/-0.000 $\chi^2$/NDF:250273759421974540271236625203 2.0/2

In: 0.537+/-0.000 $\chi^2$/NDF:404187876964659908

Right Out: -0.778+/-0.000 $\chi^2$/NDF: 185814635772183306063903690063872.0/15

Out: -0.500+/-0.000 $\chi^2$/NDF:40685528905240718

Left In: -0.463+/-0.000 $\chi^2$/NDF:40181759163162288389946867712.0/1

All: 0.001+/-0.000 $\chi^2$/NDF: 1264943368340

# dit_4eY_coil3_Ndata_mean vs Slug, Sign Corrected

Left: 57.672+/-0.000 $\chi^2$/NDF: 3676273647365186
Right In: 1104.111+/-0.000 $\chi^2$/NDF: 32737841591587454251521906421545304064.0/14
Right: 33.659+/-0.000 $\chi^2$/NDF: 1569083056347410
Left Out: 941.748+/-0.000 $\chi^2$/NDF:36246079295549544597873176756323614 72.0/2
In: 667.512+/-0.000 $\chi^2$/NDF:6433084069100278
Right Out: -1007.906+/-0.000 $\chi^2$/NDF: 69077878009873965622695939627477368832.0/15
Out: -547.850+/-0.000 $\chi^2$/NDF:670967365358664
Left In: -1039.434+/-0.000 $\chi^2$/NDF:31908904625875874854654267296820756 48.0/1
All: 38.951+/-0.000 $\chi^2$/NDF: 1936877656205

# dit_usl_coil3_mean vs Slug, Sign Corrected

Left: 186.597+/-0.000 $\chi^2$/NDF: 1136390511747672

Right In: 3155.434+/-0.000 $\chi^2$/NDF: 9035505347736229021109182140336129966 08.0/14

Right: 140.919+/-0.000 $\chi^2$/NDF: 132143468168130

Left Out: 5086.285+/-0.000 $\chi^2$/NDF:2400956938327949687764342558892081807 36.0/2

In: 1312.290+/-0.000 $\chi^2$/NDF:1176945705421008

Right Out: -2792.245+/-0.000 $\chi^2$/NDF: 6746357493241730019732644275309867171 84.0/15

Out: -933.165+/-0.000 $\chi^2$/NDF:106841604196736

Left In: -5893.739+/-0.000 $\chi^2$/NDF:4127989017615585374803661722313608396 8.0/1

All: 150.985+/-0.000 $\chi^2$/NDF: 24578857054 2

# dit_usl_coil3_err_mean vs Slug, Sign Corrected

Left: 6.696+/-0.000 $\chi^2$/NDF: 16166670064641315
Right In: 213.739+/-0.000 $\chi^2$/NDF: 19718138109054002114361149860507287552.0/14
Right: -13.554+/-0.000 $\chi^2$/NDF: 109883652295878
Left Out: 190.473+/-0.000 $\chi^2$/NDF:5512914591699470162494307367974338 56.0/2
In: 125.117+/-0.000 $\chi^2$/NDF:4476749450052750
Right Out: -234.712+/-0.000 $\chi^2$/NDF: 24013134107167214895189050481067425792.0/15
Out: -134.382+/-0.000 $\chi^2$/NDF:530179791672438
Left In: -221.365+/-0.000 $\chi^2$/NDF:23942641885581111160786173118382080.0/1
All: -9.091+/-0.000 $\chi^2$/NDF: 1261692451175

# dit_usl_coil3_Ndata_mean vs Slug, Sign Corrected

Left: 57.672+/-0.000 $\chi^2$/NDF: 3676273647365186
Right In: 1104.111+/-0.000 $\chi^2$/NDF: 32737841591587454251521906421545304064.0/14
Right: 33.659+/-0.000 $\chi^2$/NDF: 1569083056347410
Left Out: 941.748+/-0.000 $\chi^2$/NDF:36246079295549544597873176756323614 72.0/2
In: 667.512+/-0.000 $\chi^2$/NDF:6433084069100278
Right Out: -1007.906+/-0.000 $\chi^2$/NDF: 69077878009873965622695939627477368832.0/15
Out: -547.850+/-0.000 $\chi^2$/NDF:670967365358664
Left In: -1039.434+/-0.000 $\chi^2$/NDF:31908904625875874854654267296820756 48.0/1
All: 38.951+/-0.000 $\chi^2$/NDF: 1936877656205

# dit_usr_coil3_mean vs Slug, Sign Corrected

Left: -185.173+/-0.000 $\chi^2$/NDF: 834379953741405
Right In: -3034.527+/-0.000 $\chi^2$/NDF: 630694553353463868547335175090919702528.0/14
Right: -112.316+/-0.000 $\chi^2$/NDF: 12093460154256
Left Out: -4387.882+/-0.000 $\chi^2$/NDF:162617368667893287991967959619974725632.0/2
In: -1391.888+/-0.000 $\chi^2$/NDF:925568990294559
Right Out: 2731.035+/-0.000 $\chi^2$/NDF: 5282908477035679915556946292392119500 80.0/15
Out: 1051.199+/-0.000 $\chi^2$/NDF:866730341346587
Left In: 5030.238+/-0.000 $\chi^2$/NDF:2736746256467660282211326662514468454 4.0/1
All: -128.372+/-0.000 $\chi^2$/NDF: 20438799132

# dit_usr_coil3_err_mean vs Slug, Sign Corrected

Left: 8.213+/-0.000 $\chi^2$/NDF: 134571230065000423

Right In: 273.039+/-0.000 $\chi^2$/NDF: 2648593505334117509291379521218412544 0.0/14

Right: -4.751+/-0.000 $\chi^2$/NDF: 1475618476041152

Left Out: 176.113+/-0.000 $\chi^2$/NDF:4300061077370684773387142764334940 16.0/2

In: 176.660+/-0.000 $\chi^2$/NDF:5609675220659260

Right Out: -275.044+/-0.000 $\chi^2$/NDF: 2226476008875290179256189299165705011 2.0/15

Out: -168.585+/-0.000 $\chi^2$/NDF:547304269087781

Left In: -200.146+/-0.000 $\chi^2$/NDF:1326734729341406822189126917082316 8.0/1

All: -1.894+/-0.000 $\chi^2$/NDF: 1610677088541

# dit_usr_coil3_Ndata_mean vs Slug, Sign Corrected

Left: 57.672+/-0.000 $\chi^2$/NDF: 3676273647365186
Right In: 1104.111+/-0.000 $\chi^2$/NDF: 32737841591587454251521906421545304064.0/14
Right: 33.659+/-0.000 $\chi^2$/NDF: 1569083056347410
Left Out: 941.748+/-0.000 $\chi^2$/NDF:36246079295549544597873176756323614 72.0/2
In: 667.512+/-0.000 $\chi^2$/NDF:6433084069100278
Right Out: -1007.906+/-0.000 $\chi^2$/NDF: 69077878009873965622695939627477368832.0/15
Out: -547.850+/-0.000 $\chi^2$/NDF:670967365358664
Left In: -1039.434+/-0.000 $\chi^2$/NDF:31908904625875874854654267296820756 48.0/1
All: 38.951+/-0.000 $\chi^2$/NDF: 1936877656205

# dit_atl1_coil3_mean vs Slug, Sign Corrected

Left: -103.031+/-0.000 $\chi^2$/NDF: 344865734121748
Right In: -1564.595+/-0.000 $\chi^2$/NDF: 4838748009785710425789757570290391449 60.0/14
Right: 28.285+/-0.000 $\chi^2$/NDF: 4101258280925694
Left Out: -2789.995+/-0.000 $\chi^2$/NDF:952761441826197821195701459216278487 04.0/2
In: -587.743+/-0.000 $\chi^2$/NDF:3544875314628364
Right Out: 1578.178+/-0.000 $\chi^2$/NDF: 368450572556217564071963203581098590208.0/15
Out: 547.429+/-0.000 $\chi^2$/NDF:3466887242592499
Left In: 3231.395+/-0.000 $\chi^2$/NDF:204526837997395956958791523843839098 88.0/1
All: -0.655+/-0.000 $\chi^2$/NDF: 7554916613929

# dit_atl1_coil3_err_mean vs Slug, Sign Corrected

Left: 7.993+/-0.000 $\chi^2$/NDF: 10777430901271770
Right In: 358.080+/-0.000 $\chi^2$/NDF: 1579227891456978581656444520902028165 12.0/14
Right: -276.471+/-0.000 $\chi^2$/NDF: 27494361834519
Left Out: 157.250+/-0.000 $\chi^2$/NDF:4618581253831590297202487116074844 16.0/2
In: 249.047+/-0.000 $\chi^2$/NDF:1958337691401376
Right Out: -893.897+/-0.000 $\chi^2$/NDF: 2075920155774201043572695656797803905024.0/15
Out: -645.860+/-0.000 $\chi^2$/NDF:225028452139504
Left In: -177.230+/-0.000 $\chi^2$/NDF:3127398279858826706188575006366105 6.0/1
All: -213.781+/-0.000 $\chi^2$/NDF: 2783681772

# dit_atl1_coil3_Ndata_mean vs Slug, Sign Corrected

Left: 57.672+/-0.000 $\chi^2$/NDF: 3676273647365186
Right In: 1104.111+/-0.000 $\chi^2$/NDF: 32737841591587454251521906421545304064.0/14
Right: 33.659+/-0.000 $\chi^2$/NDF: 1569083056347410
Left Out: 941.748+/-0.000 $\chi^2$/NDF:36246079295549544597873176756323614 72.0/2
In: 667.512+/-0.000 $\chi^2$/NDF:6433084069100278
Right Out: -1007.906+/-0.000 $\chi^2$/NDF: 69077878009873965622695939627477368832.0/15
Out: -547.850+/-0.000 $\chi^2$/NDF:670967365358664
Left In: -1039.434+/-0.000 $\chi^2$/NDF:31908904625875874854654267296820756 48.0/1
All: 38.951+/-0.000 $\chi^2$/NDF: 1936877656205

# dit_atl2_coil3_mean vs Slug, Sign Corrected

Left: 206.791+/-0.000 $\chi^2$/NDF: 3139502584067901
Right In: 5295.485+/-0.000 $\chi^2$/NDF: 250564523296826327544404801609318321356 8.0/14
Right: 292.602+/-0.000 $\chi^2$/NDF: 36418036067633 0
Left Out: 8317.339+/-0.000 $\chi^2$/NDF:861894305811283142202418075029576089600.0/2
In: 2208.987+/-0.000 $\chi^2$/NDF:330264610424998 8
Right Out: -4575.270+/-0.000 $\chi^2$/NDF: 186332209477040373909610080007271691059 2.0/15
Out: -1533.028+/-0.000 $\chi^2$/NDF:28886584186642
Left In: -9858.106+/-0.000 $\chi^2$/NDF:166091348545306474068727849037917585408.0/1
All: 273.691+/-0.000 $\chi^2$/NDF: 67815197483 9

# dit_atl2_coil3_err_mean vs Slug, Sign Corrected

Left: 69.753+/-0.000 $\chi^2$/NDF: 2225470486022607
Right In: 862.683+/-0.000 $\chi^2$/NDF: 3376840008638193150264591065257596682 24.0/14
Right: -8.442+/-0.000 $\chi^2$/NDF: 1636587396882894
Left Out: 739.661+/-0.000 $\chi^2$/NDF:1338790484166806708564711128881430528 0.0/2
In: 531.851+/-0.000 $\chi^2$/NDF:6884148721715609
Right Out: -856.059+/-0.000 $\chi^2$/NDF: 3271952165464447671487162246882886942 72.0/15
Out: -479.520+/-0.000 $\chi^2$/NDF:741350356853387
Left In: -761.580+/-0.000 $\chi^2$/NDF:1986131780685008601840645013774532608.0/1
All: 8.790+/-0.000 $\chi^2$/NDF: 18609077502093

# dit_atl2_coil3_Ndata_mean vs Slug, Sign Corrected

Left: 57.672+/-0.000 $\chi^2$/NDF: 3676273647365186
Right In: 1104.111+/-0.000 $\chi^2$/NDF: 32737841591587454251521906421545304064.0/14
Right: 33.659+/-0.000 $\chi^2$/NDF: 1569083056347410
Left Out: 941.748+/-0.000 $\chi^2$/NDF:36246079295549544597873176756323614 72.0/2
In: 667.512+/-0.000 $\chi^2$/NDF:6433084069100278
Right Out: -1007.906+/-0.000 $\chi^2$/NDF: 69077878009873965622695939627477368832.0/15
Out: -547.850+/-0.000 $\chi^2$/NDF:670967365358664
Left In: -1039.434+/-0.000 $\chi^2$/NDF:31908904625875874854654267296820756 48.0/1
All: 38.951+/-0.000 $\chi^2$/NDF: 1936877656205

# dit_atr1_coil3_mean vs Slug, Sign Corrected

Left: 179.396+/-0.000 $\chi^2$/NDF: 8184792619961715

Right In: 2201.844+/-0.000 $\chi^2$/NDF: 1086544775216266395419904724422998622208.0/14

Right: 58.517+/-0.000 $\chi^2$/NDF: 767753071120733 1

Left Out: 4340.926+/-0.000 $\chi^2$/NDF:1622245069581502511204572404197516902 40.0/2

In: 738.038+/-0.000 $\chi^2$/NDF:7941791686855587 7

Right Out: -2026.969+/-0.000 $\chi^2$/NDF: 7086264566034107051245182999566451998 72.0/15

Out: -524.350+/-0.000 $\chi^2$/NDF:725305375204574

Left In: -4984.912+/-0.000 $\chi^2$/NDF:2775987542765001591638702440146639257 6.0/1

All: 85.156+/-0.000 $\chi^2$/NDF: 158665610421 5

# dit_atr1_coil3_err_mean vs Slug, Sign Corrected

Left: 5.234+/-0.000 $\chi^2$/NDF: 1438158463448962170

Right In: 329.229+/-0.000 $\chi^2$/NDF: 1032850290919227420338379034371324641280.0/14

Right: -41.736+/-0.000 $\chi^2$/NDF: 557135346601365

Left Out: 179.227+/-0.000 $\chi^2$/NDF:3986770465317396967655630142449909760.0/2

In: 219.259+/-0.000 $\chi^2$/NDF:1418265914099869

Right Out: -402.690+/-0.000 $\chi^2$/NDF: 2776360567932933742421160535150034944000.0/15

Out: -265.376+/-0.000 $\chi^2$/NDF:331331527619096

Left In: -210.686+/-0.000 $\chi^2$/NDF:7417115842271947478657187727802368.0/1

All: -31.385+/-0.000 $\chi^2$/NDF: 572156757558

# dit_atr1_coil3_Ndata_mean vs Slug, Sign Corrected

Left: 57.672+/-0.000 $\chi^2$/NDF: 3676273647365186
Right In: 1104.111+/-0.000 $\chi^2$/NDF: 32737841591587454251521906421545304064.0/14
Right: 33.659+/-0.000 $\chi^2$/NDF: 1569083056347410
Left Out: 941.748+/-0.000 $\chi^2$/NDF:36246079295549544597873176756323614 72.0/2
In: 667.512+/-0.000 $\chi^2$/NDF:6433084069100278
Right Out: -1007.906+/-0.000 $\chi^2$/NDF: 69077878009873965622695939627477368832.0/15
Out: -547.850+/-0.000 $\chi^2$/NDF:670967365358664
Left In: -1039.434+/-0.000 $\chi^2$/NDF:31908904625875874854654267296820756 48.0/1
All: 38.951+/-0.000 $\chi^2$/NDF: 1936877656205

# dit_atr2_coil3_mean vs Slug, Sign Corrected

Left: -349.209+/-0.000 $\chi^2$/NDF: 127979855035195

Right In: -3183.928+/-0.000 $\chi^2$/NDF: 2134923281384422537296044119642733543424.0/14

Right: -128.944+/-0.000 $\chi^2$/NDF: 15032681342441

Left Out: -5565.214+/-0.000 $\chi^2$/NDF:198259574731587080664308541294204944384.0/2

In: -1288.149+/-0.000 $\chi^2$/NDF:136266825437950

Right Out: 2843.597+/-0.000 $\chi^2$/NDF: 947077611563723244705531091944015396864.0/15

Out: 859.387+/-0.000 $\chi^2$/NDF:1227412693138131

Left In: 6123.663+/-0.000 $\chi^2$/NDF:4006383817530289334500003951289565184 0.0/1

All: -177.486+/-0.000 $\chi^2$/NDF: 27844737663

# dit_atr2_coil3_err_mean vs Slug, Sign Corrected

Left: 64.336+/-0.000 $\chi^2$/NDF: 1655409145750007

Right In: 1003.407+/-0.000 $\chi^2$/NDF: 2198152572948111988110646198221961953 28.0/14

Right: -285.472+/-0.000 $\chi^2$/NDF: 59617429830759

Left Out: 644.412+/-0.000 $\chi^2$/NDF:91477819010568935529708128059869102 08.0/2

In: 665.516+/-0.000 $\chi^2$/NDF:5846602160362703

Right Out: -1539.568+/-0.000 $\chi^2$/NDF: 36147747852974822931453545741254372 88448.0/15

Out: -1024.219+/-0.000 $\chi^2$/NDF:43746392251242

Left In: -655.516+/-0.000 $\chi^2$/NDF:1057439467232729478394764959514886144.0/1

All: -208.381+/-0.000 $\chi^2$/NDF: 61627722611

# dit_atr2_coil3_Ndata_mean vs Slug, Sign Corrected

Left: 57.672+/-0.000 $\chi^2$/NDF: 3676273647365186
Right In: 1104.111+/-0.000 $\chi^2$/NDF: 32737841591587454251521906421545304064.0/14
Right: 33.659+/-0.000 $\chi^2$/NDF: 1569083056347410
Left Out: 941.748+/-0.000 $\chi^2$/NDF:36246079295549544597873176756323614 72.0/2
In: 667.512+/-0.000 $\chi^2$/NDF:6433084069100278
Right Out: -1007.906+/-0.000 $\chi^2$/NDF: 69077878009873965622695939627477368832.0/15
Out: -547.850+/-0.000 $\chi^2$/NDF:670967365358664
Left In: -1039.434+/-0.000 $\chi^2$/NDF:31908904625875874854654267296820756 48.0/1
All: 38.951+/-0.000 $\chi^2$/NDF: 1936877656205

# dit_sam1_coil3_mean vs Slug, Sign Corrected

Left: -24.479+/-0.000 $\chi^2$/NDF: 1515441570771573

Right In: 169.489+/-0.000 $\chi^2$/NDF: 954358945852108910324266135674903592 96.0/14

Right: 27.687+/-0.000 $\chi^2$/NDF: 192954558913151 3

Left Out: 527.589+/-0.000 $\chi^2$/NDF:1080432542162880516839600382457099059 2.0/2

In: -9.560+/-0.000 $\chi^2$/NDF:197627488671634567

Right Out: -110.289+/-0.000 $\chi^2$/NDF: 717707841020529385235927165084798812 16.0/15

Out: 40.230+/-0.000 $\chi^2$/NDF:146615543334825 30

Left In: -709.577+/-0.000 $\chi^2$/NDF:416409149809268701046585227529420 80.0/1

All: 16.190+/-0.000 $\chi^2$/NDF: 3452879496518

# dit_sam1_coil3_err_mean vs Slug, Sign Corrected

Left: -0.666+/-0.000 $\chi^2$/NDF: 31134865179062999

Right In: 74.129+/-0.000 $\chi^2$/NDF: 21683757174012073226206582580812185 60.0/14

Right: -3.297+/-0.000 $\chi^2$/NDF: 1218774471717801

Left Out: 25.030+/-0.000 $\chi^2$/NDF:65328978760133680716124217199820 80.0/2

In: 52.400+/-0.000 $\chi^2$/NDF:36728311931156183 0

Right Out: -78.633+/-0.000 $\chi^2$/NDF: 23432303368798306387676789035394 66240.0/15

Out: -54.172+/-0.000 $\chi^2$/NDF:4041073262706502

Left In: -32.553+/-0.000 $\chi^2$/NDF:13499171427960770422205285662720.0/1

All: -2.717+/-0.000 $\chi^2$/NDF: 1250110094224

# dit_sam1_coil3_Ndata_mean vs Slug, Sign Corrected

Left: 57.672+/-0.000 $\chi^2$/NDF: 3676273647365186
Right In: 1104.111+/-0.000 $\chi^2$/NDF: 32737841591587454251521906421545304064.0/14
Right: 33.659+/-0.000 $\chi^2$/NDF: 1569083056347410
Left Out: 941.748+/-0.000 $\chi^2$/NDF:36246079295549544597873176756323614 72.0/2
In: 667.512+/-0.000 $\chi^2$/NDF:6433084069100278
Right Out: -1007.906+/-0.000 $\chi^2$/NDF: 69077878009873965622695939627477368832.0/15
Out: -547.850+/-0.000 $\chi^2$/NDF:670967365358664
Left In: -1039.434+/-0.000 $\chi^2$/NDF:31908904625875874854654267296820756 48.0/1
All: 38.951+/-0.000 $\chi^2$/NDF: 1936877656205

# dit_sam2_coil3_mean vs Slug, Sign Corrected

Left: 842.566+/-0.000 $\chi^2$/NDF: 9307760409918412

Right In: 9876.530+/-0.000 $\chi^2$/NDF: 84833602870530541223016519057971336970 24.0/14

Right: 328.637+/-0.000 $\chi^2$/NDF: 132799081917308

Left Out: 14899.648+/-0.000 $\chi^2$/NDF:1598837265301568135246032791957185495040.0/2

In: 4483.405+/-0.000 $\chi^2$/NDF:1014193239065910

Right Out: -8961.593+/-0.000 $\chi^2$/NDF: 7583728644146461427304320888408335450112.0/15

Out: -3331.105+/-0.000 $\chi^2$/NDF:98794295419938

Left In: -16601.766+/-0.000 $\chi^2$/NDF:2582630441008873062364210855391579340 80.0/1

All: 441.896+/-0.000 $\chi^2$/NDF: 225953286655

# dit_sam2_coil3_err_mean vs Slug, Sign Corrected

Left: 4.547+/-0.000 $\chi^2$/NDF: 905401582592581809

Right In: 764.284+/-0.000 $\chi^2$/NDF: 2909647580582694800050672050200305991 68.0/14

Right: -14.642+/-0.000 $\chi^2$/NDF: 135377066004634

Left Out: 443.446+/-0.000 $\chi^2$/NDF:161141512773738727619594967364245913 6.0/2

In: 498.604+/-0.000 $\chi^2$/NDF:5158792923119087

Right Out: -772.547+/-0.000 $\chi^2$/NDF: 285902138904642401278625587631891677184.0/15

Out: -485.612+/-0.000 $\chi^2$/NDF:520237621193431

Left In: -540.110+/-0.000 $\chi^2$/NDF:233863470097777113026443798904832 0.0/1

All: -10.413+/-0.000 $\chi^2$/NDF: 144441761026

# dit_sam2_coil3_Ndata_mean vs Slug, Sign Corrected

Left: 57.672+/-0.000 $\chi^2$/NDF: 3676273647365186
Right In: 1104.111+/-0.000 $\chi^2$/NDF: 32737841591587454251521906421545304064.0/14
Right: 33.659+/-0.000 $\chi^2$/NDF: 1569083056347410
Left Out: 941.748+/-0.000 $\chi^2$/NDF:36246079295549544597873176756323614 72.0/2
In: 667.512+/-0.000 $\chi^2$/NDF:6433084069100278
Right Out: -1007.906+/-0.000 $\chi^2$/NDF: 69077878009873965622695939627477368832.0/15
Out: -547.850+/-0.000 $\chi^2$/NDF:670967365358664
Left In: -1039.434+/-0.000 $\chi^2$/NDF:31908904625875874854654267296820756 48.0/1
All: 38.951+/-0.000 $\chi^2$/NDF: 1936877656205

# dit_sam3_coil3_mean vs Slug, Sign Corrected

Left: 537.190+/-0.000 $\chi^2$/NDF: 3543924306764839

Right In: 5145.657+/-0.000 $\chi^2$/NDF: 4272867262459372237810540195851662262272.0/14

Right: 349.044+/-0.000 $\chi^2$/NDF: 370788219703753

Left Out: 9205.742+/-0.000 $\chi^2$/NDF:635523067052996242615675726904694931456.0/2

In: 2015.930+/-0.000 $\chi^2$/NDF:3559827018455623

Right Out: -4318.126+/-0.000 $\chi^2$/NDF: 334517655456475542731253388890852661657 6.0/15

Out: -1126.927+/-0.000 $\chi^2$/NDF:32766655407199

Left In: -10220.171+/-0.000 $\chi^2$/NDF:1144453549783945433992660702187812290 56.0/1

All: 390.507+/-0.000 $\chi^2$/NDF: 72528331389 4

# dit_sam3_coil3_err_mean vs Slug, Sign Corrected

Left: 5.954+/-0.000 $\chi^2$/NDF: 46359078443011618
Right In: 378.052+/-0.000 $\chi^2$/NDF: 61516590022593053040860760861331947520.0/14
Right: 2.067+/-0.000 $\chi^2$/NDF: 30156387809525658
Left Out: 320.210+/-0.000 $\chi^2$/NDF:76871932848934642930339995180439961 6.0/2
In: 222.831+/-0.000 $\chi^2$/NDF:1382874322828695
Right Out: -363.772+/-0.000 $\chi^2$/NDF: 5903133748470980180418143934270668 8000.0/15
Out: -202.375+/-0.000 $\chi^2$/NDF:133432404026796
Left In: -384.026+/-0.000 $\chi^2$/NDF:5069669756485428097143529023733 76.0/1
All: 2.923+/-0.000 $\chi^2$/NDF: 34792734026255

# dit_sam3_coil3_Ndata_mean vs Slug, Sign Corrected

Left: 57.672+/-0.000 $\chi^2$/NDF: 3676273647365186
Right In: 1104.111+/-0.000 $\chi^2$/NDF: 32737841591587454251521906421545304064.0/14
Right: 33.659+/-0.000 $\chi^2$/NDF: 1569083056347410
Left Out: 941.748+/-0.000 $\chi^2$/NDF:36246079295549544597873176756323614 72.0/2
In: 667.512+/-0.000 $\chi^2$/NDF:6433084069100278
Right Out: -1007.906+/-0.000 $\chi^2$/NDF: 69077878009873965622695939627477368832.0/15
Out: -547.850+/-0.000 $\chi^2$/NDF:670967365358664
Left In: -1039.434+/-0.000 $\chi^2$/NDF:31908904625875874854654267296820756 48.0/1
All: 38.951+/-0.000 $\chi^2$/NDF: 1936877656205

# dit_sam4_coil3_mean vs Slug, Sign Corrected

Left: 648.633+/-0.000 $\chi^2$/NDF: 111684220419148
Right In: 9062.710+/-0.000 $\chi^2$/NDF: 1362106694311435459415925240917543144652 8.0/14
Right: 673.078+/-0.000 $\chi^2$/NDF: 113857439938422
Left Out: 16025.174+/-0.000 $\chi^2$/NDF:2221072988954591417815716778777895763968.0/2
In: 3462.337+/-0.000 $\chi^2$/NDF:113872740225226 3
Right Out: -7490.147+/-0.000 $\chi^2$/NDF: 1010820212420413993228500645738823915929 6.0/15
Out: -1941.286+/-0.000 $\chi^2$/NDF:99361605983756
Left In: -18433.097+/-0.000 $\chi^2$/NDF:3142573563084877449708422374231449272 32.0/1
All: 667.691+/-0.000 $\chi^2$/NDF: 22554183365 5

# dit_sam4_coil3_err_mean vs Slug, Sign Corrected

Left: 9.164+/-0.000 $\chi^2$/NDF: 13236146387805842
Right In: 530.057+/-0.000 $\chi^2$/NDF: 78754676063063255524046471751880671232.0/14
Right: 3.936+/-0.000 $\chi^2$/NDF: 5098872396372912
Left Out: 539.419+/-0.000 $\chi^2$/NDF:2560948159690331401777636173961756672.0/2
In: 289.934+/-0.000 $\chi^2$/NDF:2624793258564576
Right Out: -507.987+/-0.000 $\chi^2$/NDF: 7668973469830846433788184196955504640 0.0/15
Out: -260.833+/-0.000 $\chi^2$/NDF:251917524868119
Left In: -648.863+/-0.000 $\chi^2$/NDF:14643062533664558631282146782740 48.0/1
All: 5.088+/-0.000 $\chi^2$/NDF: 64225663077521

# dit_sam4_coil3_Ndata_mean vs Slug, Sign Corrected

Left: 57.672+/-0.000 $\chi^2$/NDF: 3676273647365186
Right In: 1104.111+/-0.000 $\chi^2$/NDF: 32737841591587454251521906421545304064.0/14
Right: 33.659+/-0.000 $\chi^2$/NDF: 1569083056347410
Left Out: 941.748+/-0.000 $\chi^2$/NDF:36246079295549544597873176756323614 72.0/2
In: 667.512+/-0.000 $\chi^2$/NDF:6433084069100278
Right Out: -1007.906+/-0.000 $\chi^2$/NDF: 69077878009873965622695939627477368832.0/15
Out: -547.850+/-0.000 $\chi^2$/NDF:670967365358664
Left In: -1039.434+/-0.000 $\chi^2$/NDF:31908904625875874854654267296820756 48.0/1
All: 38.951+/-0.000 $\chi^2$/NDF: 1936877656205

# dit_sam5_coil3_mean vs Slug, Sign Corrected

Left: -48.595+/-0.000 $\chi^2$/NDF: 1321281684533589
Right In: 515.635+/-0.000 $\chi^2$/NDF: 4846540342057395729267306237116232499 2.0/14
Right: 20.387+/-0.000 $\chi^2$/NDF: 4030056130167457
Left Out: 480.691+/-0.000 $\chi^2$/NDF:2709391428203568262308722251143315456.0/2
In: 266.930+/-0.000 $\chi^2$/NDF:2456495030375871 3
Right Out: -461.497+/-0.000 $\chi^2$/NDF: 4047374666009135592806330688436856422 4.0/15
Out: -239.171+/-0.000 $\chi^2$/NDF:1829016944626 13
Left In: -705.419+/-0.000 $\chi^2$/NDF:9382035964117395200536101940048691 2.0/1
All: 5.185+/-0.000 $\chi^2$/NDF: 5365138114173 6

# dit_sam5_coil3_err_mean vs Slug, Sign Corrected

Left: 6.829+/-0.000 $\chi^2$/NDF: 20509576480797718

Right In: 88.493+/-0.000 $\chi^2$/NDF: 643231155193035512625817963208900608.0/14

Right: -0.339+/-0.000 $\chi^2$/NDF: 1180687368969666

Left Out: 71.565+/-0.000 $\chi^2$/NDF:1117944269987271617408228813397032 96.0/2

In: 55.497+/-0.000 $\chi^2$/NDF:41168937139957603

Right Out: -86.773+/-0.000 $\chi^2$/NDF: 1059206766314086021240525003228708864.0/15

Out: -49.411+/-0.000 $\chi^2$/NDF:5116950957240440

Left In: -73.505+/-0.000 $\chi^2$/NDF:4574198545160944691682393639092224.0/1

All: 1.241+/-0.000 $\chi^2$/NDF: 1387273358534

# dit_sam5_coil3_Ndata_mean vs Slug, Sign Corrected

Left: 57.672+/-0.000 $\chi^2$/NDF: 3676273647365186
Right In: 1104.111+/-0.000 $\chi^2$/NDF: 32737841591587454251521906421545304064.0/14
Right: 33.659+/-0.000 $\chi^2$/NDF: 1569083056347410
Left Out: 941.748+/-0.000 $\chi^2$/NDF:36246079295549544597873176756323614 72.0/2
In: 667.512+/-0.000 $\chi^2$/NDF:6433084069100278
Right Out: -1007.906+/-0.000 $\chi^2$/NDF: 69077878009873965622695939627477368832.0/15
Out: -547.850+/-0.000 $\chi^2$/NDF:670967365358664
Left In: -1039.434+/-0.000 $\chi^2$/NDF:31908904625875874854654267296820756 48.0/1
All: 38.951+/-0.000 $\chi^2$/NDF: 1936877656205

# dit_sam6_coil3_mean vs Slug, Sign Corrected

Left: -144.061+/-0.000 $\chi^2$/NDF: 700749076732544

Right In: -1299.904+/-0.000 $\chi^2$/NDF: 1199649252163216367086408691577524322304.0/14

Right: -158.600+/-0.000 $\chi^2$/NDF: 37088904648604

Left Out: -3993.327+/-0.000 $\chi^2$/NDF:1442404420402922800142140797198207549 44.0/2

In: -91.537+/-0.000 $\chi^2$/NDF:5875426011487267 3

Right Out: 951.903+/-0.000 $\chi^2$/NDF: 8413146968636570441744682842170893271 04.0/15

Out: -215.013+/-0.000 $\chi^2$/NDF:483459022262483

Left In: 4632.740+/-0.000 $\chi^2$/NDF:2321987507547761290940900380301380812 8.0/1

All: -155.396+/-0.000 $\chi^2$/NDF: 10716442542

# dit_sam6_coil3_err_mean vs Slug, Sign Corrected

Left: 0.308+/-0.000 $\chi^2$/NDF: 802229259657165646

Right In: 114.118+/-0.000 $\chi^2$/NDF: 607226770891525118881736460452495360.0/14

Right: 2.610+/-0.000 $\chi^2$/NDF: 1738078571808844 6

Left Out: 130.557+/-0.000 $\chi^2$/NDF:190481892569580903366182515154878464.0/2

In: 58.015+/-0.000 $\chi^2$/NDF:106365277202746605

Right Out: -105.890+/-0.000 $\chi^2$/NDF: 851861355270591521058611007535972352.0/15

Out: -50.096+/-0.000 $\chi^2$/NDF:9841580684112336

Left In: -161.326+/-0.000 $\chi^2$/NDF:226919814086645165874365102817280.0/1

All: 2.102+/-0.000 $\chi^2$/NDF: 2540461424606 6

# dit_sam6_coil3_Ndata_mean vs Slug, Sign Corrected

Left: 57.672+/-0.000 $\chi^2$/NDF: 3676273647365186
Right In: 1104.111+/-0.000 $\chi^2$/NDF: 32737841591587454251521906421545304064.0/14
Right: 33.659+/-0.000 $\chi^2$/NDF: 1569083056347410
Left Out: 941.748+/-0.000 $\chi^2$/NDF:36246079295549544597873176756323614 72.0/2
In: 667.512+/-0.000 $\chi^2$/NDF:6433084069100278
Right Out: -1007.906+/-0.000 $\chi^2$/NDF: 69077878009873965622695939627477368832.0/15
Out: -547.850+/-0.000 $\chi^2$/NDF:670967365358664
Left In: -1039.434+/-0.000 $\chi^2$/NDF:31908904625875874854654267296820756 48.0/1
All: 38.951+/-0.000 $\chi^2$/NDF: 1936877656205

# dit_sam7_coil3_mean vs Slug, Sign Corrected

Left: 164.534+/-0.000 $\chi^2$/NDF: 4978134118190549

Right In: 2323.372+/-0.000 $\chi^2$/NDF: 4763711898883493759647256207577285918 72.0/14

Right: 85.258+/-0.000 $\chi^2$/NDF: 7257650695936348

Left Out: 3411.882+/-0.000 $\chi^2$/NDF:9373083853606419866820208266742805299 2.0/2

In: 1062.856+/-0.000 $\chi^2$/NDF:555547591080427 3

Right Out: -2092.458+/-0.000 $\chi^2$/NDF: 3671260808721661226636840224733391749 12.0/15

Out: -793.610+/-0.000 $\chi^2$/NDF:5229440120017 65

Left In: -3865.308+/-0.000 $\chi^2$/NDF:1630012268899271196039307858994737971 2.0/1

All: 102.728+/-0.000 $\chi^2$/NDF: 12237607519 0

# dit_sam7_coil3_err_mean vs Slug, Sign Corrected

Left: 2.426+/-0.000 $\chi^2$/NDF: 443615512206063307

Right In: 122.622+/-0.000 $\chi^2$/NDF: 5937504661187691145903235842749497344.0/14

Right: -2.485+/-0.000 $\chi^2$/NDF: 3252911350198687

Left Out: 99.441+/-0.000 $\chi^2$/NDF:902471110011996429136048625245224 96.0/2

In: 73.619+/-0.000 $\chi^2$/NDF:135899369559861671

Right Out: -124.216+/-0.000 $\chi^2$/NDF: 654962758962901295879120294112971980 8.0/15

Out: -71.440+/-0.000 $\chi^2$/NDF:1451297833300856

Left In: -117.965+/-0.000 $\chi^2$/NDF:1042531866571968466952345440223232.0/1

All: -1.403+/-0.000 $\chi^2$/NDF: 3697226548847

# dit_sam7_coil3_Ndata_mean vs Slug, Sign Corrected

Left: 57.672+/-0.000 $\chi^2$/NDF: 3676273647365186
Right In: 1104.111+/-0.000 $\chi^2$/NDF: 32737841591587454251521906421545304064.0/14
Right: 33.659+/-0.000 $\chi^2$/NDF: 1569083056347410
Left Out: 941.748+/-0.000 $\chi^2$/NDF:36246079295549544597873176756323614 72.0/2
In: 667.512+/-0.000 $\chi^2$/NDF:6433084069100278
Right Out: -1007.906+/-0.000 $\chi^2$/NDF: 69077878009873965622695939627477368832.0/15
Out: -547.850+/-0.000 $\chi^2$/NDF:670967365358664
Left In: -1039.434+/-0.000 $\chi^2$/NDF:31908904625875874854654267296820756 48.0/1
All: 38.951+/-0.000 $\chi^2$/NDF: 1936877656205

# dit_sam8_coil3_mean vs Slug, Sign Corrected

Left: 32.197+/-0.000 $\chi^2$/NDF: 3023865346540129
Right In: 1761.245+/-0.000 $\chi^2$/NDF: 332206925976055306953064744993096204288.0/14
Right: 118.557+/-0.000 $\chi^2$/NDF: 405096794129398
Left Out: 2550.628+/-0.000 $\chi^2$/NDF:905547901429683562974585908477013524 48.0/2
In: 772.510+/-0.000 $\chi^2$/NDF:3452546334037790
Right Out: -1479.801+/-0.000 $\chi^2$/NDF: 2634677681347809688325512386092361318 40.0/15
Out: -528.749+/-0.000 $\chi^2$/NDF:291073193744582
Left In: -3093.086+/-0.000 $\chi^2$/NDF:5368587643591467454354739894104883200.0/1
All: 99.525+/-0.000 $\chi^2$/NDF: 7076996281778

# dit_sam8_coil3_err_mean vs Slug, Sign Corrected

Left: 2.843+/-0.000 $\chi^2$/NDF: 31878253269964372
Right In: 82.422+/-0.000 $\chi^2$/NDF: 1263633347129443757477527241185296384.0/14
Right: 1.403+/-0.000 $\chi^2$/NDF: 1118435067130950
Left Out: 84.914+/-0.000 $\chi^2$/NDF:7816959716071477670300828622546534 4.0/2
In: 45.469+/-0.000 $\chi^2$/NDF:5614902067685388
Right Out: -77.430+/-0.000 $\chi^2$/NDF: 1515456409368458038568290276111024128.0/15
Out: -39.122+/-0.000 $\chi^2$/NDF:5741740406076267
Left In: -99.003+/-0.000 $\chi^2$/NDF:2656427689216214323370084647567 36.0/1
All: 1.720+/-0.000 $\chi^2$/NDF: 1437277793764

# dit_sam8_coil3_Ndata_mean vs Slug, Sign Corrected

Left: 57.672+/-0.000 $\chi^2$/NDF: 3676273647365186
Right In: 1104.111+/-0.000 $\chi^2$/NDF: 32737841591587454251521906421545304064.0/14
Right: 33.659+/-0.000 $\chi^2$/NDF: 1569083056347410
Left Out: 941.748+/-0.000 $\chi^2$/NDF:36246079295549544597873176756323614 72.0/2
In: 667.512+/-0.000 $\chi^2$/NDF:6433084069100278
Right Out: -1007.906+/-0.000 $\chi^2$/NDF: 69077878009873965622695939627477368832.0/15
Out: -547.850+/-0.000 $\chi^2$/NDF:670967365358664
Left In: -1039.434+/-0.000 $\chi^2$/NDF:31908904625875874854654267296820756 48.0/1
All: 38.951+/-0.000 $\chi^2$/NDF: 1936877656205

# dit_4aX_coil7_mean vs Slug, Sign Corrected

Left: 0.406+/-0.000 $\chi^2$/NDF: 18461650885919131
Right In: 164.752+/-0.000 $\chi^2$/NDF: 636982894318183391742569991655496089 6.0/14
Right: -4.461+/-0.000 $\chi^2$/NDF: 4907468178563624
Left Out: 20.387+/-0.000 $\chi^2$/NDF:233645126782501801956694393094144.0/2
In: 126.227+/-0.000 $\chi^2$/NDF:1109885935406318
Right Out: -169.108+/-0.000 $\chi^2$/NDF: 604072180204293682276691068781907 1488.0/15
Out: -124.393+/-0.000 $\chi^2$/NDF:116925439001811
Left In: -24.389+/-0.000 $\chi^2$/NDF:88940615766060848999778884780032.0/1
All: -3.388+/-0.000 $\chi^2$/NDF: 4926616924573

# dit_4aX_coil7_err_mean vs Slug, Sign Corrected

Left: 0.420+/-0.000 $\chi^2$/NDF: 215101518200903132
Right In: 7.738+/-0.000 $\chi^2$/NDF: 1512721547923450600746949276807987 2.0/14
Right: 0.240+/-0.000 $\chi^2$/NDF: 98424389249981268
Left Out: 7.175+/-0.000 $\chi^2$/NDF:4428890846418393427714742975201 28.0/2
In: 4.540+/-0.000 $\chi^2$/NDF:477183218478622575 1
Right Out: -7.057+/-0.000 $\chi^2$/NDF: 1129244120413939479234124275358 1056.0/15
Out: -3.699+/-0.000 $\chi^2$/NDF:4361505645266260 0
Left In: -7.964+/-0.000 $\chi^2$/NDF:3977605762811539114870964224.0/1
All: 0.279+/-0.000 $\chi^2$/NDF: 1199439562322 6

# dit_4aX_coil7_Ndata_mean vs Slug, Sign Corrected

Left: 12.043+/-0.000 $\chi^2$/NDF: 44188957201762254

Right In: 1021.684+/-0.000 $\chi^2$/NDF: 404931014708702783978362764035924951 04.0/14

Right: 23.805+/-0.000 $\chi^2$/NDF: 1383338523153511

Left Out: 980.660+/-0.000 $\chi^2$/NDF:486052346317757429011129802393701 5808.0/2

In: 571.211+/-0.000 $\chi^2$/NDF:69099833838116033

Right Out: -947.145+/-0.000 $\chi^2$/NDF: 677846560119365215111696680280181 96480.0/15

Out: -492.245+/-0.000 $\chi^2$/NDF:657577063909778

Left In: -1189.976+/-0.000 $\chi^2$/NDF:391087135982359029435046225753250 2016.0/1

All: 21.213+/-0.000 $\chi^2$/NDF: 182526821569 7

# dit_4eX_coil7_mean vs Slug, Sign Corrected

Left: 0.346+/-0.000 $\chi^2$/NDF: 153827359215303412

Right In: 141.032+/-0.000 $\chi^2$/NDF: 4507992585512923332587415612245934080.0/14

Right: -3.577+/-0.000 $\chi^2$/NDF: 3555338643006251

Left Out: 18.581+/-0.000 $\chi^2$/NDF:2983660417371182509071531025367 04.0/2

In: 107.768+/-0.000 $\chi^2$/NDF:8033701701673963

Right Out: -144.283+/-0.000 $\chi^2$/NDF: 4268333571517740886065361663928827904.0/15

Out: -105.852+/-0.000 $\chi^2$/NDF:844338695726685

Left In: -22.283+/-0.000 $\chi^2$/NDF:2784754980525857127645893047 0912.0/1

All: -2.712+/-0.000 $\chi^2$/NDF: 3571167787052

# dit_4eX_coil7_err_mean vs Slug, Sign Corrected

Left: 0.385+/-0.000 $\chi^2$/NDF: 18136366513486060
Right In: 7.198+/-0.000 $\chi^2$/NDF: 18212640728502785337831966963138560.0/14
Right: 0.232+/-0.000 $\chi^2$/NDF: 9443088474536779
Left Out: 6.584+/-0.000 $\chi^2$/NDF:39335489493226688363602420695040 0/2
In: 4.243+/-0.000 $\chi^2$/NDF:46030712355504905
Right Out: -6.547+/-0.000 $\chi^2$/NDF: 14078912505116068936230809834094592.0/15
Out: -3.448+/-0.000 $\chi^2$/NDF:41609308935929798
Left In: -7.309+/-0.000 $\chi^2$/NDF:17310391285672048094698746675 2.0/1
All: 0.265+/-0.000 $\chi^2$/NDF: 1125740455282

# dit_4eX_coil7_Ndata_mean vs Slug, Sign Corrected

Left: 12.043+/-0.000 $\chi^2$/NDF: 4418895720176225
Right In: 1021.684+/-0.000 $\chi^2$/NDF: 404931014708702783978362764035924951 04.0/14
Right: 23.805+/-0.000 $\chi^2$/NDF: 1383338523153511
Left Out: 980.660+/-0.000 $\chi^2$/NDF:486052346317757429011129802393701 5808.0/2
In: 571.211+/-0.000 $\chi^2$/NDF:6909983383811603
Right Out: -947.145+/-0.000 $\chi^2$/NDF: 677846560119365215111696680280181 96480.0/15
Out: -492.245+/-0.000 $\chi^2$/NDF:657577063909778
Left In: -1189.976+/-0.000 $\chi^2$/NDF:391087135982359029435046225753250 2016.0/1
All: 21.213+/-0.000 $\chi^2$/NDF: 182526821569

# dit_11X12X_coil7_mean vs Slug, Sign Corrected

Left: -12.222+/-0.000 $\chi^2$/NDF: 4869128689364439
Right In: -397.613+/-0.000 $\chi^2$/NDF: 2661280785384633207096106229474263040.0/14
Right: 4.100+/-0.000 $\chi^2$/NDF: 2129834298843728 3
Left Out: -334.336+/-0.000 $\chi^2$/NDF:7456414028649077016694538506631 90528.0/2
In: -237.698+/-0.000 $\chi^2$/NDF:8419214828495636
Right Out: 394.973+/-0.000 $\chi^2$/NDF: 3685595513427183501596165280874102784.0/15
Out: 222.879+/-0.000 $\chi^2$/NDF:8814602042634494
Left In: 387.511+/-0.000 $\chi^2$/NDF:4702683981427745263067973135263 3344.0/1
All: 0.503+/-0.000 $\chi^2$/NDF: 2617519808417 9

# dit_11X12X_coil7_err_mean vs Slug, Sign Corrected

Left: 0.959+/-0.000 $\chi^2$/NDF: 304939787755069154

Right In: 11.089+/-0.000 $\chi^2$/NDF: 1423599112201498447816335126691840 0.0/14

Right: 0.031+/-0.000 $\chi^2$/NDF: 1855646914967822 4

Left Out: 8.797+/-0.000 $\chi^2$/NDF:174643848332451804719747007565004 8.0/2

In: 7.044+/-0.000 $\chi^2$/NDF:6674198320473781638

Right Out: -10.728+/-0.000 $\chi^2$/NDF: 1476723829072526090808112443713126 4.0/15

Out: -6.120+/-0.000 $\chi^2$/NDF:7651491214334471 0

Left In: -8.768+/-0.000 $\chi^2$/NDF:3856181692778355850146501183406 08.0/1

All: 0.236+/-0.000 $\chi^2$/NDF: 2163082825596 6

# dit_11X12X_coil7_Ndata_mean vs Slug, Sign Corrected

Left: 12.043+/-0.000 $\chi^2$/NDF: 4418895720176225
Right In: 1021.684+/-0.000 $\chi^2$/NDF: 404931014708702783978362764035924951 04.0/14
Right: 23.805+/-0.000 $\chi^2$/NDF: 1383338523153511
Left Out: 980.660+/-0.000 $\chi^2$/NDF:486052346317757429011129802393701 5808.0/2
In: 571.211+/-0.000 $\chi^2$/NDF:6909983383811603
Right Out: -947.145+/-0.000 $\chi^2$/NDF: 677846560119365215111696680280181 96480.0/15
Out: -492.245+/-0.000 $\chi^2$/NDF:657577063909778
Left In: -1189.976+/-0.000 $\chi^2$/NDF:391087135982359029435046225753250 2016.0/1
All: 21.213+/-0.000 $\chi^2$/NDF: 182526821569

# dit_4aY_coil7_mean vs Slug, Sign Corrected

Left: -1.368+/-0.000 $\chi^2$/NDF: 12582331676796647

Right In: -9.582+/-0.000 $\chi^2$/NDF: 1470267998394000282080647196337766 4.0/14

Right: -0.564+/-0.000 $\chi^2$/NDF: 1371493250181668

Left Out: -5.991+/-0.000 $\chi^2$/NDF:2395615149243208994297233566334976.0/2

In: -6.740+/-0.000 $\chi^2$/NDF:407534682348401903

Right Out: 8.211+/-0.000 $\chi^2$/NDF: 1830423729383596146560575420445491 2.0/15

Out: 4.860+/-0.000 $\chi^2$/NDF:52445869346803953 7

Left In: 4.370+/-0.000 $\chi^2$/NDF:3184314019430943511031061382430 72.0/1

All: -0.741+/-0.000 $\chi^2$/NDF: 1499190059687

# dit_4aY_coil7_err_mean vs Slug, Sign Corrected

Left: 0.067+/-0.000 $\chi^2$/NDF: 87742857163036736
Right In: 2.367+/-0.000 $\chi^2$/NDF: 9206332945461528769220667674460 16.0/14
Right: 0.079+/-0.000 $\chi^2$/NDF: 8387735383882358
Left Out: 1.436+/-0.000 $\chi^2$/NDF:10130227681894030562532651958272.0/2
In: 1.552+/-0.000 $\chi^2$/NDF:3036783206608374063
Right Out: -2.147+/-0.000 $\chi^2$/NDF: 7641719924802244786561275553382 40.0/15
Out: -1.302+/-0.000 $\chi^2$/NDF:27948475010772216
Left In: -1.632+/-0.000 $\chi^2$/NDF:2075375480189142053160052850688.0/1
All: 0.076+/-0.000 $\chi^2$/NDF: 9265207434717

# dit_4aY_coil7_Ndata_mean vs Slug, Sign Corrected

Left: 12.043+/-0.000 $\chi^2$/NDF: 44188957201762254

Right In: 1021.684+/-0.000 $\chi^2$/NDF: 404931014708702783978362764035924951 04.0/14

Right: 23.805+/-0.000 $\chi^2$/NDF: 1383338523153511

Left Out: 980.660+/-0.000 $\chi^2$/NDF:486052346317757429011129802393701 5808.0/2

In: 571.211+/-0.000 $\chi^2$/NDF:69099833838116033

Right Out: -947.145+/-0.000 $\chi^2$/NDF: 677846560119365215111696680280181 96480.0/15

Out: -492.245+/-0.000 $\chi^2$/NDF:657577063909778

Left In: -1189.976+/-0.000 $\chi^2$/NDF:391087135982359029435046225753250 2016.0/1

All: 21.213+/-0.000 $\chi^2$/NDF: 182526821569 7

# dit_4eY_coil7_mean vs Slug, Sign Corrected

Left: -2.545+/-0.000 $\chi^2$/NDF: 10000390075334550

Right In: -8.139+/-0.000 $\chi^2$/NDF: 14676442649222120372533779893321728.0/14

Right: -0.537+/-0.000 $\chi^2$/NDF: 1051474549999360

Left Out: -7.092+/-0.000 $\chi^2$/NDF:66896432938533345906781530882048.0/2

In: -5.850+/-0.000 $\chi^2$/NDF:31754872489935667 2

Right Out: 6.859+/-0.000 $\chi^2$/NDF: 16483631561591790731352632153079808.0/15

Out: 3.567+/-0.000 $\chi^2$/NDF:4718024060371012 05

Left In: 3.096+/-0.000 $\chi^2$/NDF:39263338189786180593377979295 3344.0/1

All: -0.980+/-0.000 $\chi^2$/NDF: 1163170855276

# dit_4eY_coil7_err_mean vs Slug, Sign Corrected

Left: 0.104+/-0.000 $\chi^2$/NDF: 10077853351435168
Right In: 2.250+/-0.000 $\chi^2$/NDF: 6567745881362748162954427010908 16.0/14
Right: 0.083+/-0.000 $\chi^2$/NDF: 7249257967761916 2
Left Out: 1.569+/-0.000 $\chi^2$/NDF:1593107850974119869597743683993 6.0/2
In: 1.443+/-0.000 $\chi^2$/NDF:2735888113367495116
Right Out: -2.025+/-0.000 $\chi^2$/NDF: 5787174417629564546165055999180 80.0/15
Out: -1.177+/-0.000 $\chi^2$/NDF:2627541593589454 7
Left In: -1.714+/-0.000 $\chi^2$/NDF:1086968157256767957289911975936.0/1
All: 0.088+/-0.000 $\chi^2$/NDF: 8257162509210 6

# dit_4eY_coil7_Ndata_mean vs Slug, Sign Corrected

Left: 12.043+/-0.000 $\chi^2$/NDF: 44188957201762254

Right In: 1021.684+/-0.000 $\chi^2$/NDF: 404931014708702783978362764035924951 04.0/14

Right: 23.805+/-0.000 $\chi^2$/NDF: 1383338523153511

Left Out: 980.660+/-0.000 $\chi^2$/NDF:486052346317757429011129802393701 5808.0/2

In: 571.211+/-0.000 $\chi^2$/NDF:69099833838116033

Right Out: -947.145+/-0.000 $\chi^2$/NDF: 677846560119365215111696680280181 96480.0/15

Out: -492.245+/-0.000 $\chi^2$/NDF:657577063909778

Left In: -1189.976+/-0.000 $\chi^2$/NDF:391087135982359029435046225753250 2016.0/1

All: 21.213+/-0.000 $\chi^2$/NDF: 182526821569 7

# dit_usl_coil7_mean vs Slug, Sign Corrected

Left: 1057.537+/-0.000 $\chi^2$/NDF: 124787483437143

Right In: 8703.332+/-0.000 $\chi^2$/NDF: 195011330673084268595363045008191919226 88.0/14

Right: -1049.596+/-0.000 $\chi^2$/NDF: 1875271262832

Left Out: 16936.177+/-0.000 $\chi^2$/NDF:6646710921788244129422426256816969089024.0/2

In: 3132.533+/-0.000 $\chi^2$/NDF:120133170875630

Right Out: -10539.327+/-0.000 $\chi^2$/NDF: 462266842278361092733940625697537586626 56.0/15

Out: -4055.989+/-0.000 $\chi^2$/NDF:17168808653823

Left In: -18647.281+/-0.000 $\chi^2$/NDF:174728600119346968618821306039709938483 2.0/1

All: -585.228+/-0.000 $\chi^2$/NDF: 3136022966 4

# dit_usl_coil7_err_mean vs Slug, Sign Corrected

Left: 70.751+/-0.000 $\chi^2$/NDF: 1730934065978459
Right In: 599.849+/-0.000 $\chi^2$/NDF: 8925896110037324430933720871563847270 4.0/14
Right: -20.227+/-0.000 $\chi^2$/NDF: 683047104243510
Left Out: 663.981+/-0.000 $\chi^2$/NDF:9734894599574410654576162279931248640.0/2
In: 342.137+/-0.000 $\chi^2$/NDF:3017809612060520
Right Out: -623.569+/-0.000 $\chi^2$/NDF: 1014488454792976030441526181268794900 48.0/15
Out: -319.749+/-0.000 $\chi^2$/NDF:372103305088361
Left In: -665.425+/-0.000 $\chi^2$/NDF:8981529101206676974999812147888783 36.0/1
All: -0.177+/-0.000 $\chi^2$/NDF: 8585409860788

# dit_usl_coil7_Ndata_mean vs Slug, Sign Corrected

Left: 12.043+/-0.000 $\chi^2$/NDF: 4418895720176225

Right In: 1021.684+/-0.000 $\chi^2$/NDF: 404931014708702783978362764035924951 04.0/14

Right: 23.805+/-0.000 $\chi^2$/NDF: 1383338523153511

Left Out: 980.660+/-0.000 $\chi^2$/NDF:486052346317757429011129802393701 5808.0/2

In: 571.211+/-0.000 $\chi^2$/NDF:6909983383811603

Right Out: -947.145+/-0.000 $\chi^2$/NDF: 677846560119365215111696680280181 96480.0/15

Out: -492.245+/-0.000 $\chi^2$/NDF:657577063909778

Left In: -1189.976+/-0.000 $\chi^2$/NDF:391087135982359029435046225753250 2016.0/1

All: 21.213+/-0.000 $\chi^2$/NDF: 182526821569

# dit_usr_coil7_mean vs Slug, Sign Corrected

Left: 897.656+/-0.000 $\chi^2$/NDF: 125005249363202
Right In: 25232.229+/-0.000 $\chi^2$/NDF: 245345819747720310163046338635386322944 00.0/14
Right: -532.226+/-0.000 $\chi^2$/NDF: 89888992461613
Left Out: 17106.231+/-0.000 $\chi^2$/NDF:326132136464907017029997206059702707814 4.0/2
In: 16178.848+/-0.000 $\chi^2$/NDF:286163304119235
Right Out: -25601.388+/-0.000 $\chi^2$/NDF: 243597575879645108276508198472704830996 48.0/15
Out: -15523.760+/-0.000 $\chi^2$/NDF:3146922210436
Left In: -19216.600+/-0.000 $\chi^2$/NDF:463213065865079451613861594199918379008.0/1
All: -217.110+/-0.000 $\chi^2$/NDF: 10244881358

# dit_usr_coil7_err_mean vs Slug, Sign Corrected

Left: 65.574+/-0.000 $\chi^2$/NDF: 1490934186284738
Right In: 818.668+/-0.000 $\chi^2$/NDF: 1056065270969119744894968023183733555 20.0/14
Right: 23.778+/-0.000 $\chi^2$/NDF: 9926549473307925
Left Out: 619.630+/-0.000 $\chi^2$/NDF:6966956925627591309666618933669527552.0/2
In: 525.233+/-0.000 $\chi^2$/NDF:3803773857425506
Right Out: -749.661+/-0.000 $\chi^2$/NDF: 7797269183460570870614546125066915020 8.0/15
Out: -426.553+/-0.000 $\chi^2$/NDF:380040680153972
Left In: -621.990+/-0.000 $\chi^2$/NDF:4134995869422209911227714058856693 76.0/1
All: 32.989+/-0.000 $\chi^2$/NDF: 114225501432

# dit_usr_coil7_Ndata_mean vs Slug, Sign Corrected

Left: 12.043+/-0.000 $\chi^2$/NDF: 4418895720176225
Right In: 1021.684+/-0.000 $\chi^2$/NDF: 404931014708702783978362764035924951 04.0/14
Right: 23.805+/-0.000 $\chi^2$/NDF: 1383338523153511
Left Out: 980.660+/-0.000 $\chi^2$/NDF:486052346317757429011129802393701 5808.0/2
In: 571.211+/-0.000 $\chi^2$/NDF:6909983383811603
Right Out: -947.145+/-0.000 $\chi^2$/NDF: 677846560119365215111696680280181 96480.0/15
Out: -492.245+/-0.000 $\chi^2$/NDF:657577063909778
Left In: -1189.976+/-0.000 $\chi^2$/NDF:391087135982359029435046225753250 2016.0/1
All: 21.213+/-0.000 $\chi^2$/NDF: 182526821569

# dit_atl1_coil7_mean vs Slug, Sign Corrected

Left: 1239.314+/-0.000 $\chi^2$/NDF: 87082804271066
Right In: 4145.268+/-0.000 $\chi^2$/NDF: 7636939983950646896379723819335076481597 44.0/14
Right: -3504.625+/-0.000 $\chi^2$/NDF: 1712578788282
Left Out: 14233.122+/-0.000 $\chi^2$/NDF:7095698935352077759040501226439912194048.0/2
In: 269.056+/-0.000 $\chi^2$/NDF:8136135414514700
Right Out: -10948.073+/-0.000 $\chi^2$/NDF: 8739496685103272015146014631153961910927 36.0/15
Out: -5006.119+/-0.000 $\chi^2$/NDF:98084558805453
Left In: -14885.532+/-0.000 $\chi^2$/NDF:2044491293921523554069642538928452927488.0/1
All: -2459.160+/-0.000 $\chi^2$/NDF: 1806188456

# dit_atl1_coil7_err_mean vs Slug, Sign Corrected

Left: 60.118+/-0.000 $\chi^2$/NDF: 1453980564659695

Right In: 1062.141+/-0.000 $\chi^2$/NDF: 952806231926530012715872184655778152448.0/14

Right: -432.638+/-0.000 $\chi^2$/NDF: 93397475225812

Left Out: 602.744+/-0.000 $\chi^2$/NDF:862191518399512745906414063819581030 4.0/2

In: 720.893+/-0.000 $\chi^2$/NDF:1324706596461923

Right Out: -1887.077+/-0.000 $\chi^2$/NDF: 552587271836384562036602938756905828352 0.0/15

Out: -1299.559+/-0.000 $\chi^2$/NDF:65101917196566

Left In: -613.260+/-0.000 $\chi^2$/NDF:850136083774580265107336392475672576.0/1

All: -324.045+/-0.000 $\chi^2$/NDF: 9555564619 7

# dit_atl1_coil7_Ndata_mean vs Slug, Sign Corrected

Left: 12.043+/-0.000 $\chi^2$/NDF: 44188957201762254

Right In: 1021.684+/-0.000 $\chi^2$/NDF: 404931014708702783978362764035924951 04.0/14

Right: 23.805+/-0.000 $\chi^2$/NDF: 1383338523153511

Left Out: 980.660+/-0.000 $\chi^2$/NDF:486052346317757429011129802393701 5808.0/2

In: 571.211+/-0.000 $\chi^2$/NDF:6909983383811603 3

Right Out: -947.145+/-0.000 $\chi^2$/NDF: 677846560119365215111696680280181 96480.0/15

Out: -492.245+/-0.000 $\chi^2$/NDF:657577063909778

Left In: -1189.976+/-0.000 $\chi^2$/NDF:391087135982359029435046225753250 2016.0/1

All: 21.213+/-0.000 $\chi^2$/NDF: 182526821569 7

# dit_atl2_coil7_mean vs Slug, Sign Corrected

Left: 5060.173+/-0.000 $\chi^2$/NDF: 541927874245353

Right In: 80102.504+/-0.000 $\chi^2$/NDF: 2545217840972586547236075226317424657694 72.0/14

Right: -443.492+/-0.000 $\chi^2$/NDF: 88479516524724

Left Out: 111579.850+/-0.000 $\chi^2$/NDF:1509080807954468726817636447473716544143 36.0/2

In: 37893.817+/-0.000 $\chi^2$/NDF:596166332762755

Right Out: -78815.832+/-0.000 $\chi^2$/NDF: 2860769192178110994344704422319981854720 00.0/15

Out: -33888.558+/-0.000 $\chi^2$/NDF:6142475708640

Left In: -127126.895+/-0.000 $\chi^2$/NDF:3041579638143834885700989303916586441113 6.0/1

All: 769.401+/-0.000 $\chi^2$/NDF: 14276015164

# dit_atl2_coil7_err_mean vs Slug, Sign Corrected

Left: 395.507+/-0.000 $\chi^2$/NDF: 3572640968054082

Right In: 2662.183+/-0.000 $\chi^2$/NDF: 10313892301656401578644397055833674874 88.0/14

Right: -17.413+/-0.000 $\chi^2$/NDF: 11792284265767 5

Left Out: 3048.745+/-0.000 $\chi^2$/NDF:2800718017740497995591936858887720796 16.0/2

In: 1529.870+/-0.000 $\chi^2$/NDF:5159506898117672

Right Out: -2624.696+/-0.000 $\chi^2$/NDF: 1566705216866534713590934835660406652928.0/15

Out: -1285.946+/-0.000 $\chi^2$/NDF:69128553829985

Left In: -2897.065+/-0.000 $\chi^2$/NDF:4278554110006079656194635762237859 4304.0/1

All: 73.586+/-0.000 $\chi^2$/NDF: 1541437429054

# dit_atl2_coil7_Ndata_mean vs Slug, Sign Corrected

Left: 12.043+/-0.000 $\chi^2$/NDF: 44188957201762254

Right In: 1021.684+/-0.000 $\chi^2$/NDF: 404931014708702783978362764035924951 04.0/14

Right: 23.805+/-0.000 $\chi^2$/NDF: 1383338523153511

Left Out: 980.660+/-0.000 $\chi^2$/NDF:486052346317757429011129802393701 5808.0/2

In: 571.211+/-0.000 $\chi^2$/NDF:6909983383811603 3

Right Out: -947.145+/-0.000 $\chi^2$/NDF: 677846560119365215111696680280181 96480.0/15

Out: -492.245+/-0.000 $\chi^2$/NDF:657577063909778

Left In: -1189.976+/-0.000 $\chi^2$/NDF:391087135982359029435046225753250 2016.0/1

All: 21.213+/-0.000 $\chi^2$/NDF: 1825268215697

# dit_atr1_coil7_mean vs Slug, Sign Corrected

Left: 1026.408+/-0.000 $\chi^2$/NDF: 590928966737492

Right In: 3390.550+/-0.000 $\chi^2$/NDF: 6587192744155325672417919455628017375641 6.0/14

Right: 66.728+/-0.000 $\chi^2$/NDF: 2177723560844725

Left Out: 11967.318+/-0.000 $\chi^2$/NDF:319349360650920836146907073964812743475 2.0/2

In: 143.587+/-0.000 $\chi^2$/NDF:1001045894943971 3

Right Out: -3167.396+/-0.000 $\chi^2$/NDF: 1377538866772411444604625318816875680890 88.0/15

Out: 403.911+/-0.000 $\chi^2$/NDF:1769992019416046

Left In: -12550.865+/-0.000 $\chi^2$/NDF:6396504176330229217290743441601457029 12.0/1

All: 278.222+/-0.000 $\chi^2$/NDF: 277132356074

# dit_atr1_coil7_err_mean vs Slug, Sign Corrected

Left: 64.117+/-0.000 $\chi^2$/NDF: 16526963219061910

Right In: 893.683+/-0.000 $\chi^2$/NDF: 334583619078631008932404228227359309824.0/14

Right: -187.395+/-0.000 $\chi^2$/NDF: 48021156818850

Left Out: 649.094+/-0.000 $\chi^2$/NDF:70179008819081867734985149271297228 80.0/2

In: 576.857+/-0.000 $\chi^2$/NDF:6547056952256184

Right Out: -1239.298+/-0.000 $\chi^2$/NDF: 297099085948648399040810891893756500 3776.0/15

Out: -793.698+/-0.000 $\chi^2$/NDF:353926773072042

Left In: -661.818+/-0.000 $\chi^2$/NDF:279978073784022970720437800898920448.0/1

All: -131.967+/-0.000 $\chi^2$/NDF: 4985731448 0

# dit_atr1_coil7_Ndata_mean vs Slug, Sign Corrected

Left: 12.043+/-0.000 $\chi^2$/NDF: 44188957201762254

Right In: 1021.684+/-0.000 $\chi^2$/NDF: 404931014708702783978362764035924951 04.0/14

Right: 23.805+/-0.000 $\chi^2$/NDF: 1383338523153511

Left Out: 980.660+/-0.000 $\chi^2$/NDF:486052346317757429011129802393701 5808.0/2

In: 571.211+/-0.000 $\chi^2$/NDF:69099833838116033

Right Out: -947.145+/-0.000 $\chi^2$/NDF: 677846560119365215111696680280181 96480.0/15

Out: -492.245+/-0.000 $\chi^2$/NDF:657577063909778

Left In: -1189.976+/-0.000 $\chi^2$/NDF:391087135982359029435046225753250 2016.0/1

All: 21.213+/-0.000 $\chi^2$/NDF: 182526821569 7

# dit_atr2_coil7_mean vs Slug, Sign Corrected

Left: 4029.736+/-0.000 $\chi^2$/NDF: 409272906490180

Right In: 121016.482+/-0.000 $\chi^2$/NDF: 3587138564043035549877849759836096681738 24.0/14

Right: -1170.810+/-0.000 $\chi^2$/NDF: 2030444568824

Left Out: 96972.696+/-0.000 $\chi^2$/NDF:904207840067564688770698757687908488970 24.0/2

In: 73696.176+/-0.000 $\chi^2$/NDF:750812982710145

Right Out: -120060.693+/-0.000 $\chi^2$/NDF: 828419782346707601448620310014135952736256.0/15

Out: -68847.774+/-0.000 $\chi^2$/NDF:8332487788582

Left In: -111309.118+/-0.000 $\chi^2$/NDF:1449263866600801051631286998081543864320 0.0/1

All: -24.718+/-0.000 $\chi^2$/NDF: 244050185121

# dit_atr2_coil7_err_mean vs Slug, Sign Corrected

Left: 337.732+/-0.000 $\chi^2$/NDF: 266156905158421

Right In: 3329.488+/-0.000 $\chi^2$/NDF: 5670347743984563762275268245137213358 08.0/14

Right: -473.285+/-0.000 $\chi^2$/NDF: 32582486462967

Left Out: 2643.370+/-0.000 $\chi^2$/NDF:1834667640026007579919683127186858967 04.0/2

In: 2137.349+/-0.000 $\chi^2$/NDF:511951137459237

Right Out: -4173.434+/-0.000 $\chi^2$/NDF: 1349824655153799240009500315468246810624 0.0/15

Out: -2564.887+/-0.000 $\chi^2$/NDF:20995468424679

Left In: -2523.481+/-0.000 $\chi^2$/NDF:2404728348584918935376014234562959769 6.0/1

All: -294.554+/-0.000 $\chi^2$/NDF: 3543481508 8

# dit_atr2_coil7_Ndata_mean vs Slug, Sign Corrected

Left: 12.043+/-0.000 $\chi^2$/NDF: 44188957201762254

Right In: 1021.684+/-0.000 $\chi^2$/NDF: 404931014708702783978362764035924951 04.0/14

Right: 23.805+/-0.000 $\chi^2$/NDF: 1383338523153511

Left Out: 980.660+/-0.000 $\chi^2$/NDF:486052346317757429011129802393701 5808.0/2

In: 571.211+/-0.000 $\chi^2$/NDF:69099833838116033

Right Out: -947.145+/-0.000 $\chi^2$/NDF: 677846560119365215111696680280181 96480.0/15

Out: -492.245+/-0.000 $\chi^2$/NDF:657577063909778

Left In: -1189.976+/-0.000 $\chi^2$/NDF:391087135982359029435046225753250 2016.0/1

All: 21.213+/-0.000 $\chi^2$/NDF: 182526821569 7

# dit_sam1_coil7_mean vs Slug, Sign Corrected

Left: 40.631+/-0.000 $\chi^2$/NDF: 1038292598350356
Right In: -1268.061+/-0.000 $\chi^2$/NDF: 109228076028883385607047049080064704512 0.0/14
Right: 41.017+/-0.000 $\chi^2$/NDF: 438510065819681
Left Out: -64.040+/-0.000 $\chi^2$/NDF:49158489884495212385506139807741378 56.0/2
In: -975.048+/-0.000 $\chi^2$/NDF:136625834575366
Right Out: 1314.767+/-0.000 $\chi^2$/NDF: 109847131386407901371460937965326093516 8.0/15
Out: 989.413+/-0.000 $\chi^2$/NDF:140260401156076
Left In: 170.523+/-0.000 $\chi^2$/NDF:40937875817714956368536873857554841 6.0/1
All: 40.932+/-0.000 $\chi^2$/NDF: 439548362747

# dit_sam1_coil7_err_mean vs Slug, Sign Corrected

Left: 1.610+/-0.000 $\chi^2$/NDF: 32673313910304996
Right In: 202.191+/-0.000 $\chi^2$/NDF: 702794105275284906636904065061512806 4.0/14
Right: 4.870+/-0.000 $\chi^2$/NDF: 6311431633575950 6
Left Out: 85.149+/-0.000 $\chi^2$/NDF:43896451866803138982710271774031872.0/2
In: 140.221+/-0.000 $\chi^2$/NDF:1926609853998727 2
Right Out: -187.126+/-0.000 $\chi^2$/NDF: 623002949160552474693651580994138931 2.0/15
Out: -122.878+/-0.000 $\chi^2$/NDF:179418285334798
Left In: -102.057+/-0.000 $\chi^2$/NDF:18295267980303542293778078283857 92.0/1
All: 4.152+/-0.000 $\chi^2$/NDF: 6638472895190 7

# dit_sam1_coil7_Ndata_mean vs Slug, Sign Corrected

Left: 12.043+/-0.000 $\chi^2$/NDF: 4418895720176225

Right In: 1021.684+/-0.000 $\chi^2$/NDF: 404931014708702783978362764035924951 04.0/14

Right: 23.805+/-0.000 $\chi^2$/NDF: 1383338523153511

Left Out: 980.660+/-0.000 $\chi^2$/NDF:486052346317757429011129802393701 5808.0/2

In: 571.211+/-0.000 $\chi^2$/NDF:6909983383811603

Right Out: -947.145+/-0.000 $\chi^2$/NDF: 677846560119365215111696680280181 96480.0/15

Out: -492.245+/-0.000 $\chi^2$/NDF:657577063909778

Left In: -1189.976+/-0.000 $\chi^2$/NDF:391087135982359029435046225753250 2016.0/1

All: 21.213+/-0.000 $\chi^2$/NDF: 1825268215697

# dit_sam2_coil7_mean vs Slug, Sign Corrected

Left: 410.935+/-0.000 $\chi^2$/NDF: 4329885405082273

Right In: -32594.962+/-0.000 $\chi^2$/NDF: 2091503692070005644897245290209225201418 24.0/14

Right: 1587.778+/-0.000 $\chi^2$/NDF: 19264741132603

Left Out: -2635.042+/-0.000 $\chi^2$/NDF:381660779393455417019527168653388677 12.0/2

In: -25102.385+/-0.000 $\chi^2$/NDF:38803688776083

Right Out: 34848.046+/-0.000 $\chi^2$/NDF: 221127702024811719232559434097324967591936.0/15

Out: 26003.239+/-0.000 $\chi^2$/NDF:4422968191318 7

Left In: 4190.882+/-0.000 $\chi^2$/NDF:864876187905466789550420630247466598 4.0/1

All: 1328.427+/-0.000 $\chi^2$/NDF: 1931205663 6

# dit_sam2_coil7_err_mean vs Slug, Sign Corrected

Left: 87.054+/-0.000 $\chi^2$/NDF: 66695725710659977

Right In: 1958.835+/-0.000 $\chi^2$/NDF: 1189322999631358431600643692981190131712.0/14

Right: 55.033+/-0.000 $\chi^2$/NDF: 6785490652460108

Left Out: 1274.871+/-0.000 $\chi^2$/NDF:1552824430245452094409506872455331840 0.0/2

In: 1277.355+/-0.000 $\chi^2$/NDF:2669211155988386

Right Out: -1797.392+/-0.000 $\chi^2$/NDF: 9550966238799581956571950746142402150 40.0/15

Out: -1072.436+/-0.000 $\chi^2$/NDF:24562033039372

Left In: -1386.983+/-0.000 $\chi^2$/NDF:9932153772976325769596541720959385 6.0/1

All: 62.090+/-0.000 $\chi^2$/NDF: 7452745288500

# dit_sam2_coil7_Ndata_mean vs Slug, Sign Corrected

Left: 12.043+/-0.000 $\chi^2$/NDF: 4418895720176225
Right In: 1021.684+/-0.000 $\chi^2$/NDF: 404931014708702783978362764035924951 04.0/14
Right: 23.805+/-0.000 $\chi^2$/NDF: 1383338523153511
Left Out: 980.660+/-0.000 $\chi^2$/NDF:486052346317757429011129802393701 5808.0/2
In: 571.211+/-0.000 $\chi^2$/NDF:6909983383811603
Right Out: -947.145+/-0.000 $\chi^2$/NDF: 677846560119365215111696680280181 96480.0/15
Out: -492.245+/-0.000 $\chi^2$/NDF:657577063909778
Left In: -1189.976+/-0.000 $\chi^2$/NDF:391087135982359029435046225753250 2016.0/1
All: 21.213+/-0.000 $\chi^2$/NDF: 182526821569

# dit_sam3_coil7_mean vs Slug, Sign Corrected

Left: -169.999+/-0.000 $\chi^2$/NDF: 304280533330122
Right In: -18068.550+/-0.000 $\chi^2$/NDF: 8431215644353355341776093349775376016998 4.0/14
Right: 155.704+/-0.000 $\chi^2$/NDF: 587997392225656
Left Out: -2735.739+/-0.000 $\chi^2$/NDF:2932945905931098169729959071053774848.0/2
In: -13774.437+/-0.000 $\chi^2$/NDF:1430675456532 1
Right Out: 17888.149+/-0.000 $\chi^2$/NDF: 7840591561291425286987523106879539301 5808.0/15
Out: 13021.573+/-0.000 $\chi^2$/NDF:1453541188419 5
Left In: 3013.991+/-0.000 $\chi^2$/NDF:8959578562155262755953509914797670 40.0/1
All: 83.926+/-0.000 $\chi^2$/NDF: 5910709635379

# dit_sam3_coil7_err_mean vs Slug, Sign Corrected

Left: 86.875+/-0.000 $\chi^2$/NDF: 3670323979175694
Right In: 958.411+/-0.000 $\chi^2$/NDF: 2647331050585228222781371970707395706 88.0/14
Right: 32.949+/-0.000 $\chi^2$/NDF: 1577572239072451
Left Out: 967.889+/-0.000 $\chi^2$/NDF:8687839888643901086112720898473590784.0/2
In: 558.209+/-0.000 $\chi^2$/NDF:7750897772488132
Right Out: -867.538+/-0.000 $\chi^2$/NDF: 2161298515451667141222523176044881510 40.0/15
Out: -434.436+/-0.000 $\chi^2$/NDF:755033920018930
Left In: -1006.433+/-0.000 $\chi^2$/NDF:2673006386792701930763059557354700 8.0/1
All: 44.833+/-0.000 $\chi^2$/NDF: 1945448004302

# dit_sam3_coil7_Ndata_mean vs Slug, Sign Corrected

Left: 12.043+/-0.000 $\chi^2$/NDF: 44188957201762254

Right In: 1021.684+/-0.000 $\chi^2$/NDF: 404931014708702783978362764035924951 04.0/14

Right: 23.805+/-0.000 $\chi^2$/NDF: 1383338523153511

Left Out: 980.660+/-0.000 $\chi^2$/NDF:486052346317757429011129802393701 5808.0/2

In: 571.211+/-0.000 $\chi^2$/NDF:69099833838116033

Right Out: -947.145+/-0.000 $\chi^2$/NDF: 677846560119365215111696680280181 96480.0/15

Out: -492.245+/-0.000 $\chi^2$/NDF:657577063909778

Left In: -1189.976+/-0.000 $\chi^2$/NDF:391087135982359029435046225753250 2016.0/1

All: 21.213+/-0.000 $\chi^2$/NDF: 182526821569 7

# dit_sam4_coil7_mean vs Slug, Sign Corrected

Left: -843.845+/-0.000 $\chi^2$/NDF: 117751228543716
Right In: -28868.624+/-0.000 $\chi^2$/NDF: 261450701095727362961367657926584124309504.0/14
Right: -242.630+/-0.000 $\chi^2$/NDF: 15588395560755
Left Out: -5886.552+/-0.000 $\chi^2$/NDF:225481084996034331362337460878049 28.0/2
In: -21885.911+/-0.000 $\chi^2$/NDF:41684804978836
Right Out: 27610.848+/-0.000 $\chi^2$/NDF: 248097983477523504935751571384400118546432.0/15
Out: 19706.536+/-0.000 $\chi^2$/NDF:42470219382690
Left In: 5413.972+/-0.000 $\chi^2$/NDF:36142797646132527951962569628530507776.0/1
All: -375.125+/-0.000 $\chi^2$/NDF: 15707195088

# dit_sam4_coil7_err_mean vs Slug, Sign Corrected

Left: 138.221+/-0.000 $\chi^2$/NDF: 1115237081728955

Right In: 1353.413+/-0.000 $\chi^2$/NDF: 3528879667027707133738618398805537587 20.0/14

Right: 43.718+/-0.000 $\chi^2$/NDF: 2826295721143961

Left Out: 1674.792+/-0.000 $\chi^2$/NDF:2528373209113195257599881502981409996 8.0/2

In: 717.517+/-0.000 $\chi^2$/NDF:1641337403050093

Right Out: -1230.633+/-0.000 $\chi^2$/NDF: 2769894541291500056568727445399037542 40.0/15

Out: -545.046+/-0.000 $\chi^2$/NDF:163088497397852

Left In: -1768.609+/-0.000 $\chi^2$/NDF:7416869812593969161989100383764 48.0/1

All: 64.544+/-0.000 $\chi^2$/NDF: 3944122881569

# dit_sam4_coil7_Ndata_mean vs Slug, Sign Corrected

Left: 12.043+/-0.000 $\chi^2$/NDF: 4418895720176225
Right In: 1021.684+/-0.000 $\chi^2$/NDF: 404931014708702783978362764035924951 04.0/14
Right: 23.805+/-0.000 $\chi^2$/NDF: 1383338523153511
Left Out: 980.660+/-0.000 $\chi^2$/NDF:486052346317757429011129802393701 5808.0/2
In: 571.211+/-0.000 $\chi^2$/NDF:6909983383811603
Right Out: -947.145+/-0.000 $\chi^2$/NDF: 677846560119365215111696680280181 96480.0/15
Out: -492.245+/-0.000 $\chi^2$/NDF:657577063909778
Left In: -1189.976+/-0.000 $\chi^2$/NDF:391087135982359029435046225753250 2016.0/1
All: 21.213+/-0.000 $\chi^2$/NDF: 182526821569

# dit_sam5_coil7_mean vs Slug, Sign Corrected

Left: -378.220+/-0.000 $\chi^2$/NDF: 310862459620726

Right In: -1314.782+/-0.000 $\chi^2$/NDF: 966082368518203481544021644405645508608.0/14

Right: -112.789+/-0.000 $\chi^2$/NDF: 39432514405702

Left Out: -1184.255+/-0.000 $\chi^2$/NDF:195021779333517850032082448645567283 2.0/2

In: -920.288+/-0.000 $\chi^2$/NDF:1470949513759717

Right Out: 1056.765+/-0.000 $\chi^2$/NDF: 112714159418741702194983247735328604 1600.0/15

Out: 527.956+/-0.000 $\chi^2$/NDF:191953446728731 0

Left In: 622.041+/-0.000 $\chi^2$/NDF:898892956224979305847309606060032 0000.0/1

All: -171.285+/-0.000 $\chi^2$/NDF: 42745466477

# dit_sam5_coil7_err_mean vs Slug, Sign Corrected

Left: 15.761+/-0.000 $\chi^2$/NDF: 2851610897560430
Right In: 270.538+/-0.000 $\chi^2$/NDF: 2473839905347950323907848405170257920.0/14
Right: 15.112+/-0.000 $\chi^2$/NDF: 8906438963054982
Left Out: 259.903+/-0.000 $\chi^2$/NDF:9050401142860888232563806817757429 76.0/2
In: 156.935+/-0.000 $\chi^2$/NDF:4369062655721099
Right Out: -233.421+/-0.000 $\chi^2$/NDF: 3048529087317888615064010247743995904.0/15
Out: -117.012+/-0.000 $\chi^2$/NDF:422574148383148
Left In: -287.211+/-0.000 $\chi^2$/NDF:9498780793933070821113113666912 2560.0/1
All: 15.255+/-0.000 $\chi^2$/NDF: 1175806206361

# dit_sam5_coil7_Ndata_mean vs Slug, Sign Corrected

Left: 12.043+/-0.000 $\chi^2$/NDF: 4418895720176225
Right In: 1021.684+/-0.000 $\chi^2$/NDF: 404931014708702783978362764035924951 04.0/14
Right: 23.805+/-0.000 $\chi^2$/NDF: 1383338523153511
Left Out: 980.660+/-0.000 $\chi^2$/NDF:486052346317757429011129802393701 5808.0/2
In: 571.211+/-0.000 $\chi^2$/NDF:6909983383811603
Right Out: -947.145+/-0.000 $\chi^2$/NDF: 677846560119365215111696680280181 96480.0/15
Out: -492.245+/-0.000 $\chi^2$/NDF:657577063909778
Left In: -1189.976+/-0.000 $\chi^2$/NDF:391087135982359029435046225753250 2016.0/1
All: 21.213+/-0.000 $\chi^2$/NDF: 182526821569

# dit_sam6_coil7_mean vs Slug, Sign Corrected

Left: -266.530+/-0.000 $\chi^2$/NDF: 147930723861993

Right In: 6163.445+/-0.000 $\chi^2$/NDF: 18200622549026770504746300139009854144512.0/14

Right: 6.710+/-0.000 $\chi^2$/NDF: 8424313097733602

Left Out: 291.691+/-0.000 $\chi^2$/NDF:11844547873932148780451247514420510 72.0/2

In: 4712.685+/-0.000 $\chi^2$/NDF:249098532552379

Right Out: -5983.876+/-0.000 $\chi^2$/NDF: 17505201913276273559161088764155841740800.0/15

Out: -4503.044+/-0.000 $\chi^2$/NDF:23704861185948

Left In: -959.262+/-0.000 $\chi^2$/NDF:2894734667239946207910675254662397952.0/1

All: -53.506+/-0.000 $\chi^2$/NDF: 844127144856

# dit_sam6_coil7_err_mean vs Slug, Sign Corrected

Left: 18.468+/-0.000 $\chi^2$/NDF: 6100478894161020
Right In: 363.133+/-0.000 $\chi^2$/NDF: 115027916970764564264359982779953315 84.0/14
Right: 27.278+/-0.000 $\chi^2$/NDF: 1636258096450768
Left Out: 377.430+/-0.000 $\chi^2$/NDF:1513550169538947613910617594420789248.0/2
In: 202.200+/-0.000 $\chi^2$/NDF:9403516378277819
Right Out: -299.514+/-0.000 $\chi^2$/NDF: 7685497318744225218354652828984672256.0/15
Out: -139.777+/-0.000 $\chi^2$/NDF:813239673211743
Left In: -426.990+/-0.000 $\chi^2$/NDF:7391630109981506573721365458714624.0/1
All: 25.336+/-0.000 $\chi^2$/NDF: 2246531049302

# dit_sam6_coil7_Ndata_mean vs Slug, Sign Corrected

Left: 12.043+/-0.000 $\chi^2$/NDF: 4418895720176225
Right In: 1021.684+/-0.000 $\chi^2$/NDF: 404931014708702783978362764035924951 04.0/14
Right: 23.805+/-0.000 $\chi^2$/NDF: 1383338523153511
Left Out: 980.660+/-0.000 $\chi^2$/NDF:486052346317757429011129802393701 5808.0/2
In: 571.211+/-0.000 $\chi^2$/NDF:6909983383811603
Right Out: -947.145+/-0.000 $\chi^2$/NDF: 677846560119365215111696680280181 96480.0/15
Out: -492.245+/-0.000 $\chi^2$/NDF:657577063909778
Left In: -1189.976+/-0.000 $\chi^2$/NDF:391087135982359029435046225753250 2016.0/1
All: 21.213+/-0.000 $\chi^2$/NDF: 182526821569

# dit_sam7_coil7_mean vs Slug, Sign Corrected

Left: 1.360+/-0.000 $\chi^2$/NDF: 28691375897609352

Right In: -4242.174+/-0.000 $\chi^2$/NDF: 678347227217415137114560108174211075276 8.0/14

Right: 52.349+/-0.000 $\chi^2$/NDF: 3708179263230228

Left Out: -782.103+/-0.000 $\chi^2$/NDF:33388412408289946251192139788883457024.0/2

In: -3179.819+/-0.000 $\chi^2$/NDF:103798067232596

Right Out: 4230.978+/-0.000 $\chi^2$/NDF: 668240952810301675220434357374093046579 2.0/15

Out: 3048.052+/-0.000 $\chi^2$/NDF:106411282048455

Left In: 973.608+/-0.000 $\chi^2$/NDF:215220494569541865478951011981721600.0/1

All: 41.112+/-0.000 $\chi^2$/NDF: 3736946041457

# dit_sam7_coil7_err_mean vs Slug, Sign Corrected

Left: 20.601+/-0.000 $\chi^2$/NDF: 2974601638559368
Right In: 287.460+/-0.000 $\chi^2$/NDF: 2951704414482615593661915158136697651 2.0/14
Right: 7.151+/-0.000 $\chi^2$/NDF: 1559717160131348
Left Out: 270.976+/-0.000 $\chi^2$/NDF:801567511601651116191527070949441536.0/2
In: 169.821+/-0.000 $\chi^2$/NDF:7361822451750319
Right Out: -265.593+/-0.000 $\chi^2$/NDF: 2584326310632905927498549925906690867 2.0/15
Out: -138.980+/-0.000 $\chi^2$/NDF:719585838668580
Left In: -290.106+/-0.000 $\chi^2$/NDF:5331281985835167149003800531959808.0/1
All: 10.115+/-0.000 $\chi^2$/NDF: 1857701954977

# dit_sam7_coil7_Ndata_mean vs Slug, Sign Corrected

Left: 12.043+/-0.000 $\chi^2$/NDF: 44188957201762254

Right In: 1021.684+/-0.000 $\chi^2$/NDF: 404931014708702783978362764035924951 04.0/14

Right: 23.805+/-0.000 $\chi^2$/NDF: 1383338523153511

Left Out: 980.660+/-0.000 $\chi^2$/NDF:486052346317757429011129802393701 5808.0/2

In: 571.211+/-0.000 $\chi^2$/NDF:69099833838116033

Right Out: -947.145+/-0.000 $\chi^2$/NDF: 677846560119365215111696680280181 96480.0/15

Out: -492.245+/-0.000 $\chi^2$/NDF:657577063909778

Left In: -1189.976+/-0.000 $\chi^2$/NDF:391087135982359029435046225753250 2016.0/1

All: 21.213+/-0.000 $\chi^2$/NDF: 182526821569 7

# dit_sam8_coil7_mean vs Slug, Sign Corrected

Left: -89.725+/-0.000 $\chi^2$/NDF: 2242711474490391
Right In: -3335.273+/-0.000 $\chi^2$/NDF: 633808725158963752903007551715242357555 2.0/14
Right: -110.320+/-0.000 $\chi^2$/NDF: 26741707536001
Left Out: -781.804+/-0.000 $\chi^2$/NDF:3109637314239182925914531229375397888.0/2
In: -2499.286+/-0.000 $\chi^2$/NDF:856499645398584
Right Out: 3027.603+/-0.000 $\chi^2$/NDF: 7086157086694396583090903767581326311424.0/15
Out: 2128.705+/-0.000 $\chi^2$/NDF:937325282823193
Left In: 769.120+/-0.000 $\chi^2$/NDF:4913970460951299913671909882986496 0.0/1
All: -105.781+/-0.000 $\chi^2$/NDF: 26966101694

# dit_sam8_coil7_err_mean vs Slug, Sign Corrected

Left: 25.912+/-0.000 $\chi^2$/NDF: 2465043870782760
Right In: 189.442+/-0.000 $\chi^2$/NDF: 4707234253929700721726064108794544128.0/14
Right: 6.003+/-0.000 $\chi^2$/NDF: 5338989642966045
Left Out: 253.559+/-0.000 $\chi^2$/NDF:7170303549489447281372441360644177 92.0/2
In: 98.593+/-0.000 $\chi^2$/NDF:3101530533754262
Right Out: -172.485+/-0.000 $\chi^2$/NDF: 5594813408996728261938711470404534272.0/15
Out: -71.952+/-0.000 $\chi^2$/NDF:3488027414854554
Left In: -256.590+/-0.000 $\chi^2$/NDF:9824617941097729997139205452464128.0/1
All: 10.391+/-0.000 $\chi^2$/NDF: 781552815813

# dit_sam8_coil7_Ndata_mean vs Slug, Sign Corrected

Left: 12.043+/-0.000 $\chi^2$/NDF: 4418895720176225
Right In: 1021.684+/-0.000 $\chi^2$/NDF: 404931014708702783978362764035924951 04.0/14
Right: 23.805+/-0.000 $\chi^2$/NDF: 1383338523153511
Left Out: 980.660+/-0.000 $\chi^2$/NDF:486052346317757429011129802393701 5808.0/2
In: 571.211+/-0.000 $\chi^2$/NDF:6909983383811603
Right Out: -947.145+/-0.000 $\chi^2$/NDF: 677846560119365215111696680280181 96480.0/15
Out: -492.245+/-0.000 $\chi^2$/NDF:657577063909778
Left In: -1189.976+/-0.000 $\chi^2$/NDF:391087135982359029435046225753250 2016.0/1
All: 21.213+/-0.000 $\chi^2$/NDF: 1825268215697

# dit_4aX_coil4_mean vs Slug, Sign Corrected

Left: -0.285+/-0.000 $\chi^2$/NDF: 25276017679834407

Right In: 0.411+/-0.000 $\chi^2$/NDF: 338557350625556317005308982040985 6.0/14

Right: -0.308+/-0.000 $\chi^2$/NDF: 5176319865553172

Left Out: 0.431+/-0.000 $\chi^2$/NDF:986646555722982108325766968115 2.0/2

In: 0.088+/-0.000 $\chi^2$/NDF:372381641998899202

Right Out: -1.008+/-0.000 $\chi^2$/NDF: 112840222814409639449804741070028 8.0/15

Out: -0.668+/-0.000 $\chi^2$/NDF:14642580641120157

Left In: -1.175+/-0.000 $\chi^2$/NDF:57841677743508314100293571706 88.0/1

All: -0.303+/-0.000 $\chi^2$/NDF: 5429229416057

# dit_4aX_coil4_err_mean vs Slug, Sign Corrected

Left: 0.689+/-0.000 $\chi^2$/NDF: 14073903306215164
Right In: 4.495+/-0.000 $\chi^2$/NDF: 27422400724410975315007287915970 56.0/14
Right: 0.040+/-0.000 $\chi^2$/NDF: 30173534256832041
Left Out: 6.148+/-0.000 $\chi^2$/NDF:28849613893008602554516291295641 6.0/2
In: 2.340+/-0.000 $\chi^2$/NDF:175676202171760521 8
Right Out: -4.296+/-0.000 $\chi^2$/NDF: 20119257070620518903810074754416 64.0/15
Out: -1.831+/-0.000 $\chi^2$/NDF:19468249704498958
Left In: -6.085+/-0.000 $\chi^2$/NDF:28165244022886876724027180711936.0/1
All: 0.183+/-0.000 $\chi^2$/NDF: 4436988276739 4

# dit_4aX_coil4_Ndata_mean vs Slug, Sign Corrected

Left: 29.785+/-0.000 $\chi^2$/NDF: 3784660662254261
Right In: 1107.052+/-0.000 $\chi^2$/NDF: 4063383178781017924054221039826947276 8.0/14
Right: 30.953+/-0.000 $\chi^2$/NDF: 1595991371539270
Left Out: 926.155+/-0.000 $\chi^2$/NDF:546533138695852568197173283359241011 2.0/2
In: 661.066+/-0.000 $\chi^2$/NDF:676494931062993 41
Right Out: -1016.106+/-0.000 $\chi^2$/NDF: 7256766433350919271218431003715017113 6.0/15
Out: -557.795+/-0.000 $\chi^2$/NDF:671770307546886
Left In: -1082.578+/-0.000 $\chi^2$/NDF:2083443553823124896501893118400921600.0/1
All: 30.695+/-0.000 $\chi^2$/NDF: 1974457833375

# dit_4eX_coil4_mean vs Slug, Sign Corrected

Left: -0.191+/-0.000 $\chi^2$/NDF: 57005528505430201

Right In: 3.802+/-0.000 $\chi^2$/NDF: 37954760743983389305647006576803 84.0/14

Right: -0.257+/-0.000 $\chi^2$/NDF: 2698438341107243

Left Out: 3.280+/-0.000 $\chi^2$/NDF:1073339756649953812373442700247 04.0/2

In: 2.111+/-0.000 $\chi^2$/NDF:1293477501624813603

Right Out: -4.206+/-0.000 $\chi^2$/NDF: 2096427813341454573332265183477760.0/15

Out: -2.439+/-0.000 $\chi^2$/NDF:11023370078711758

Left In: -4.499+/-0.000 $\chi^2$/NDF:3026606317146916118673580097536 0.0/1

All: -0.242+/-0.000 $\chi^2$/NDF: 3268617286912

# dit_4eX_coil4_err_mean vs Slug, Sign Corrected

Left: 0.638+/-0.000 $\chi^2$/NDF: 118324053873744127

Right In: 4.136+/-0.000 $\chi^2$/NDF: 3507600624388663919898505496231936.0/14

Right: 0.039+/-0.000 $\chi^2$/NDF: 27678490251430251

Left Out: 5.642+/-0.000 $\chi^2$/NDF:2494405158119786841076151321886 72.0/2

In: 2.159+/-0.000 $\chi^2$/NDF:159902024001703238 9

Right Out: -3.948+/-0.000 $\chi^2$/NDF: 267017678394230202834555110005 1456.0/15

Out: -1.685+/-0.000 $\chi^2$/NDF:17395573689397473

Left In: -5.572+/-0.000 $\chi^2$/NDF:223547919844634527964021905162 24.0/1

All: 0.171+/-0.000 $\chi^2$/NDF: 3961494908592 3

# dit_4eX_coil4_Ndata_mean vs Slug, Sign Corrected

Left: 29.785+/-0.000 $\chi^2$/NDF: 3784660662254261
Right In: 1107.052+/-0.000 $\chi^2$/NDF: 4063383178781017924054221039826947276 8.0/14
Right: 30.953+/-0.000 $\chi^2$/NDF: 1595991371539270
Left Out: 926.155+/-0.000 $\chi^2$/NDF:546533138695852568197173283359241011 2.0/2
In: 661.066+/-0.000 $\chi^2$/NDF:676494931062993 41
Right Out: -1016.106+/-0.000 $\chi^2$/NDF: 725676643335091927121843100371501711 36.0/15
Out: -557.795+/-0.000 $\chi^2$/NDF:671770307546886
Left In: -1082.578+/-0.000 $\chi^2$/NDF:208344355382312489650189311840092160 0.0/1
All: 30.695+/-0.000 $\chi^2$/NDF: 1974457833375

# dit_11X12X_coil4_mean vs Slug, Sign Corrected

Left: 0.413+/-0.000 $\chi^2$/NDF: 16472376196056318

Right In: -0.360+/-0.000 $\chi^2$/NDF: 218025634879089684934621217895219 2.0/14

Right: 0.223+/-0.000 $\chi^2$/NDF: 3078215805430625 7

Left Out: 0.111+/-0.000 $\chi^2$/NDF:88646559393651544024371460833280.0/2

In: -0.127+/-0.000 $\chi^2$/NDF:2388404783665662 48

Right Out: 0.790+/-0.000 $\chi^2$/NDF: 463078369073343959803422903894016.0/15

Out: 0.630+/-0.000 $\chi^2$/NDF:624098370228377412

Left In: 0.787+/-0.000 $\chi^2$/NDF:341004332870942794456884639170 56.0/1

All: 0.265+/-0.000 $\chi^2$/NDF: 3253462198229 0

# dit_11X12X_coil4_err_mean vs Slug, Sign Corrected

Left: 0.986+/-0.000 $\chi^2$/NDF: 18154003911625608
Right In: 6.079+/-0.000 $\chi^2$/NDF: 15902951710227051575099004488253 44.0/14
Right: -0.167+/-0.000 $\chi^2$/NDF: 5337277361381866
Left Out: 7.081+/-0.000 $\chi^2$/NDF:8435472034075000669718931528744 96.0/2
In: 3.502+/-0.000 $\chi^2$/NDF:2292873112017846923
Right Out: -6.245+/-0.000 $\chi^2$/NDF: 1816529163105006938510976985595904.0/15
Out: -3.101+/-0.000 $\chi^2$/NDF:30609913033857873
Left In: -6.577+/-0.000 $\chi^2$/NDF:1633069605738701609745583114813 44.0/1
All: 0.087+/-0.000 $\chi^2$/NDF: 7191253652990 9

# dit_11X12X_coil4_Ndata_mean vs Slug, Sign Corrected

Left: 29.785+/-0.000 $\chi^2$/NDF: 3784660662254261
Right In: 1107.052+/-0.000 $\chi^2$/NDF: 4063383178781017924054221039826947276 8.0/14
Right: 30.953+/-0.000 $\chi^2$/NDF: 1595991371539270
Left Out: 926.155+/-0.000 $\chi^2$/NDF:546533138695852568197173283359241011 2.0/2
In: 661.066+/-0.000 $\chi^2$/NDF:676494931062993 41
Right Out: -1016.106+/-0.000 $\chi^2$/NDF: 725676643335091927121843100371501711 36.0/15
Out: -557.795+/-0.000 $\chi^2$/NDF:671770307546886
Left In: -1082.578+/-0.000 $\chi^2$/NDF:208344355382312489650189311840092160 0.0/1
All: 30.695+/-0.000 $\chi^2$/NDF: 1974457833375

# dit_4aY_coil4_mean vs Slug, Sign Corrected

Left: 5.260+/-0.000 $\chi^2$/NDF: 9434459259972410 27

Right In: 192.771+/-0.000 $\chi^2$/NDF: 1640576279746948433391816936236515328.0/14

Right: -0.529+/-0.000 $\chi^2$/NDF: 5140794879295893

Left Out: 146.844+/-0.000 $\chi^2$/NDF:1591751455723867347508177392327 72096.0/2

In: 118.792+/-0.000 $\chi^2$/NDF:1910056117558511 5

Right Out: -188.612+/-0.000 $\chi^2$/NDF: 192234225728767456334420473001961 0624.0/15

Out: -109.455+/-0.000 $\chi^2$/NDF:197927734092120

Left In: -170.441+/-0.000 $\chi^2$/NDF:212692508889312291337181818918010 88.0/1

All: 0.747+/-0.000 $\chi^2$/NDF: 6085212617428 0

# dit_4aY_coil4_err_mean vs Slug, Sign Corrected

Left: -0.030+/-0.000 $\chi^2$/NDF: 55641312561237819

Right In: 1.677+/-0.000 $\chi^2$/NDF: 2418799240447885932927915592253 44.0/14

Right: 0.039+/-0.000 $\chi^2$/NDF: 3934467653215597 9

Left Out: 1.054+/-0.000 $\chi^2$/NDF:633808841237716267647786129817 6.0/2

In: 1.056+/-0.000 $\chi^2$/NDF:1480975763972701970

Right Out: -1.555+/-0.000 $\chi^2$/NDF: 2556459514338902968276771951083 52.0/15

Out: -0.939+/-0.000 $\chi^2$/NDF:1333626780965099 5

Left In: -1.375+/-0.000 $\chi^2$/NDF:7674502016780507354813526179840.0/1

All: 0.024+/-0.000 $\chi^2$/NDF: 4492249066512 2

# dit_4aY_coil4_Ndata_mean vs Slug, Sign Corrected

Left: 29.785+/-0.000 $\chi^2$/NDF: 3784660662254261
Right In: 1107.052+/-0.000 $\chi^2$/NDF: 406338317878101792405422103982694727 68.0/14
Right: 30.953+/-0.000 $\chi^2$/NDF: 1595991371539270
Left Out: 926.155+/-0.000 $\chi^2$/NDF:546533138695852568197173283359241 0112.0/2
In: 661.066+/-0.000 $\chi^2$/NDF:676494931062993 41
Right Out: -1016.106+/-0.000 $\chi^2$/NDF: 725676643335091927121843100371501 71136.0/15
Out: -557.795+/-0.000 $\chi^2$/NDF:671770307546886
Left In: -1082.578+/-0.000 $\chi^2$/NDF:208344355382312489650189311840092 1600.0/1
All: 30.695+/-0.000 $\chi^2$/NDF: 1974457833375

# dit_4eY_coil4_mean vs Slug, Sign Corrected

Left: 4.181+/-0.000 $\chi^2$/NDF: 103701843861262100

Right In: 195.940+/-0.000 $\chi^2$/NDF: 1057891079869089572370479093183938560.0/14

Right: 0.195+/-0.000 $\chi^2$/NDF: 51589726724001798

Left Out: 152.302+/-0.000 $\chi^2$/NDF:2166147861268660517531507569081712 64.0/2

In: 119.444+/-0.000 $\chi^2$/NDF:1972902279042189 4

Right Out: -190.268+/-0.000 $\chi^2$/NDF: 1468473073667973330267084234323656704.0/15

Out: -109.432+/-0.000 $\chi^2$/NDF:201554987307952

Left In: -179.632+/-0.000 $\chi^2$/NDF:2531880414987943625099769411744 5632.0/1

All: 1.074+/-0.000 $\chi^2$/NDF: 6196451899796 8

# dit_4eY_coil4_err_mean vs Slug, Sign Corrected

Left: -0.028+/-0.000 $\chi^2$/NDF: 62694044171116725

Right In: 1.569+/-0.000 $\chi^2$/NDF: 162849195668123380789610540957696.0/14

Right: 0.041+/-0.000 $\chi^2$/NDF: 3349930396263144

Left Out: 1.123+/-0.000 $\chi^2$/NDF:986197949690717976497731141632 0.0/2

In: 0.953+/-0.000 $\chi^2$/NDF:137853069833951427

Right Out: -1.446+/-0.000 $\chi^2$/NDF: 196296653917523352443271052787712.0/15

Out: -0.840+/-0.000 $\chi^2$/NDF:12447652857458997

Left In: -1.457+/-0.000 $\chi^2$/NDF:5655312385778462718939092746240.0/1

All: 0.025+/-0.000 $\chi^2$/NDF: 39782541531452

# dit_4eY_coil4_Ndata_mean vs Slug, Sign Corrected

Left: 29.785+/-0.000 $\chi^2$/NDF: 3784660662254261
Right In: 1107.052+/-0.000 $\chi^2$/NDF: 4063383178781017924054221039826947276 8.0/14
Right: 30.953+/-0.000 $\chi^2$/NDF: 1595991371539270
Left Out: 926.155+/-0.000 $\chi^2$/NDF:546533138695852568197173283359241011 2.0/2
In: 661.066+/-0.000 $\chi^2$/NDF:676494931062993 41
Right Out: -1016.106+/-0.000 $\chi^2$/NDF: 725676643335091927121843100371501711 36.0/15
Out: -557.795+/-0.000 $\chi^2$/NDF:671770307546886
Left In: -1082.578+/-0.000 $\chi^2$/NDF:208344355382312489650189311840092160 0.0/1
All: 30.695+/-0.000 $\chi^2$/NDF: 1974457833375

# dit_usl_coil4_mean vs Slug, Sign Corrected

Left: 203.662+/-0.000 $\chi^2$/NDF: 9065846699725046

Right In: 4256.386+/-0.000 $\chi^2$/NDF: 4986054125516248596724549541595761868 80.0/14

Right: -266.755+/-0.000 $\chi^2$/NDF: 29897737536917

Left Out: 4500.190+/-0.000 $\chi^2$/NDF:42747587210109948743370845232390209536 0.0/2

In: 2344.930+/-0.000 $\chi^2$/NDF:122569359123555

Right Out: -4667.832+/-0.000 $\chi^2$/NDF: 3201925535782807450320951772159309512704.0/15

Out: -2504.473+/-0.000 $\chi^2$/NDF:16858493026568

Left In: -5128.173+/-0.000 $\chi^2$/NDF:1164552629011876903507713638705219502 08.0/1

All: -163.084+/-0.000 $\chi^2$/NDF: 39027763078

# dit_usl_coil4_err_mean vs Slug, Sign Corrected

Left: 45.266+/-0.000 $\chi^2$/NDF: 9963579015614988
Right In: 325.732+/-0.000 $\chi^2$/NDF: 1463335956794024412389724276985430016 0.0/14
Right: -25.211+/-0.000 $\chi^2$/NDF: 204436046213041
Left Out: 498.198+/-0.000 $\chi^2$/NDF:388542075087142765608419685208739020 8.0/2
In: 154.123+/-0.000 $\chi^2$/NDF:1095168267421566
Right Out: -366.682+/-0.000 $\chi^2$/NDF: 3209725069994795640911744011539893 4528.0/15
Out: -162.598+/-0.000 $\chi^2$/NDF:153713637657566
Left In: -516.805+/-0.000 $\chi^2$/NDF:1046623899429148695792299113600516096.0/1
All: -9.679+/-0.000 $\chi^2$/NDF: 3055123582737

# dit_usl_coil4_Ndata_mean vs Slug, Sign Corrected

Left: 29.785+/-0.000 $\chi^2$/NDF: 3784660662254261
Right In: 1107.052+/-0.000 $\chi^2$/NDF: 4063383178781017924054221039826947276 8.0/14
Right: 30.953+/-0.000 $\chi^2$/NDF: 1595991371539270
Left Out: 926.155+/-0.000 $\chi^2$/NDF:546533138695852568197173283359241011 2.0/2
In: 661.066+/-0.000 $\chi^2$/NDF:676494931062993 41
Right Out: -1016.106+/-0.000 $\chi^2$/NDF: 725676643335091927121843100371501711 36.0/15
Out: -557.795+/-0.000 $\chi^2$/NDF:671770307546886
Left In: -1082.578+/-0.000 $\chi^2$/NDF:208344355382312489650189311840092160 0.0/1
All: 30.695+/-0.000 $\chi^2$/NDF: 1974457833375

# dit_usr_coil4_mean vs Slug, Sign Corrected

Left: 99.693+/-0.000 $\chi^2$/NDF: 6285029415521417

Right In: 4070.444+/-0.000 $\chi^2$/NDF: 34328187528269573995638315629524759347 2.0/14

Right: -4.119+/-0.000 $\chi^2$/NDF: 2196193539942721

Left Out: 3723.413+/-0.000 $\chi^2$/NDF:185601684290303844288744044313192693760.0/2

In: 2345.743+/-0.000 $\chi^2$/NDF:985888123951292

Right Out: -3968.723+/-0.000 $\chi^2$/NDF: 35995588032619478446735336949259488460 8.0/15

Out: -2153.625+/-0.000 $\chi^2$/NDF:98581948409349

Left In: -4397.214+/-0.000 $\chi^2$/NDF:37490080726832737663825079462761857024.0/1

All: 18.759+/-0.000 $\chi^2$/NDF: 282500902810

# dit_usr_coil4_err_mean vs Slug, Sign Corrected

Left: 57.128+/-0.000 $\chi^2$/NDF: 9099342910416896
Right In: 477.186+/-0.000 $\chi^2$/NDF: 204557199317583799788926051849747824 64.0/14
Right: 0.404+/-0.000 $\chi^2$/NDF: 3240949272651964
Left Out: 491.658+/-0.000 $\chi^2$/NDF:324653792423688839705593101892452352 0.0/2
In: 281.797+/-0.000 $\chi^2$/NDF:1426840915468792
Right Out: -463.513+/-0.000 $\chi^2$/NDF: 125567779310699033700318323881845719 04.0/15
Out: -238.123+/-0.000 $\chi^2$/NDF:159398615062467
Left In: -482.107+/-0.000 $\chi^2$/NDF:582207873395172478913456786496290816.0/1
All: 12.904+/-0.000 $\chi^2$/NDF: 4160215398705

# dit_usr_coil4_Ndata_mean vs Slug, Sign Corrected

Left: 29.785+/-0.000 $\chi^2$/NDF: 3784660662254261
Right In: 1107.052+/-0.000 $\chi^2$/NDF: 406338317878101792405422103982694727 68.0/14
Right: 30.953+/-0.000 $\chi^2$/NDF: 1595991371539270
Left Out: 926.155+/-0.000 $\chi^2$/NDF:546533138695852568197173283359241 0112.0/2
In: 661.066+/-0.000 $\chi^2$/NDF:6764949310629934
Right Out: -1016.106+/-0.000 $\chi^2$/NDF: 725676643335091927121843100371501 71136.0/15
Out: -557.795+/-0.000 $\chi^2$/NDF:671770307546886
Left In: -1082.578+/-0.000 $\chi^2$/NDF:208344355382312489650189311840092 1600.0/1
All: 30.695+/-0.000 $\chi^2$/NDF: 1974457833375

# dit_atl1_coil4_mean vs Slug, Sign Corrected

Left: 111.754+/-0.000 $\chi^2$/NDF: 1838843882072668

Right In: -3896.522+/-0.000 $\chi^2$/NDF: 396185985164810204482484406700129847869 44.0/14

Right: -555.179+/-0.000 $\chi^2$/NDF: 94737135323081

Left Out: 415.995+/-0.000 $\chi^2$/NDF:8231338987062215071787256499263032524 8.0/2

In: -3157.013+/-0.000 $\chi^2$/NDF:414199744914634

Right Out: 2695.992+/-0.000 $\chi^2$/NDF: 408224630714623521242120583865917295820 80.0/15

Out: 2157.986+/-0.000 $\chi^2$/NDF:417229533942717

Left In: -265.798+/-0.000 $\chi^2$/NDF:588404835772305195530560834457315573 76.0/1

All: -408.201+/-0.000 $\chi^2$/NDF: 95050020275

# dit_atl1_coil4_err_mean vs Slug, Sign Corrected

Left: 44.330+/-0.000 $\chi^2$/NDF: 8735698828975378

Right In: 574.055+/-0.000 $\chi^2$/NDF: 1521052298891604230184937095823905259 52.0/14

Right: -306.705+/-0.000 $\chi^2$/NDF: 31486221730071

Left Out: 465.583+/-0.000 $\chi^2$/NDF:4570676006178827589167293671887863808.0/2

In: 359.684+/-0.000 $\chi^2$/NDF:2994009049163900

Right Out: -1163.697+/-0.000 $\chi^2$/NDF: 2003194396475465337190154787515183136768.0/15

Out: -779.239+/-0.000 $\chi^2$/NDF:242556667369512

Left In: -478.430+/-0.000 $\chi^2$/NDF:866669819364960689156296399298494464.0/1

All: -229.344+/-0.000 $\chi^2$/NDF: 32717169082

# dit_atl1_coil4_Ndata_mean vs Slug, Sign Corrected

Left: 29.785+/-0.000 $\chi^2$/NDF: 3784660662254261
Right In: 1107.052+/-0.000 $\chi^2$/NDF: 4063383178781017924054221039826947276 8.0/14
Right: 30.953+/-0.000 $\chi^2$/NDF: 1595991371539270
Left Out: 926.155+/-0.000 $\chi^2$/NDF:546533138695852568197173283359241011 2.0/2
In: 661.066+/-0.000 $\chi^2$/NDF:676494931062993 41
Right Out: -1016.106+/-0.000 $\chi^2$/NDF: 7256766433350919271218431003715017113 6.0/15
Out: -557.795+/-0.000 $\chi^2$/NDF:671770307546886
Left In: -1082.578+/-0.000 $\chi^2$/NDF:2083443553823124896501893118400921600.0/1
All: 30.695+/-0.000 $\chi^2$/NDF: 1974457833375

# dit_atl2_coil4_mean vs Slug, Sign Corrected

Left: 896.089+/-0.000 $\chi^2$/NDF: 3778807992530613
Right In: 24608.761+/-0.000 $\chi^2$/NDF: 1755560042714070178763675908416726892544 0.0/14
Right: 137.211+/-0.000 $\chi^2$/NDF: 809207355903527
Left Out: 28998.519+/-0.000 $\chi^2$/NDF:1119329751391885222490386148310460976332 8.0/2
In: 12675.750+/-0.000 $\chi^2$/NDF:4733923122863 36
Right Out: -23673.937+/-0.000 $\chi^2$/NDF: 2482422934482756731362487167729534186291 2.0/15
Out: -11244.927+/-0.000 $\chi^2$/NDF:4726800704509
Left In: -33978.011+/-0.000 $\chi^2$/NDF:2110042771633006072106264331150449180672.0/1
All: 304.452+/-0.000 $\chi^2$/NDF: 11872551757 6

# dit_atl2_coil4_err_mean vs Slug, Sign Corrected

Left: 186.093+/-0.000 $\chi^2$/NDF: 194549261331033
Right In: 1471.095+/-0.000 $\chi^2$/NDF: 13917497942046784107389416795645201612 8.0/14
Right: -39.055+/-0.000 $\chi^2$/NDF: 330947344548199
Left Out: 2162.829+/-0.000 $\chi^2$/NDF:110304774413016529882296387714806710272.0/2
In: 709.723+/-0.000 $\chi^2$/NDF:2017604961511355
Right Out: -1508.451+/-0.000 $\chi^2$/NDF: 250085163770425050605763446985715613696.0/15
Out: -642.146+/-0.000 $\chi^2$/NDF:248174679646112
Left In: -2266.965+/-0.000 $\chi^2$/NDF:31342120143856954622447614953487597568.0/1
All: 10.563+/-0.000 $\chi^2$/NDF: 5269667580191

# dit_atl2_coil4_Ndata_mean vs Slug, Sign Corrected

Left: 29.785+/-0.000 $\chi^2$/NDF: 3784660662254261
Right In: 1107.052+/-0.000 $\chi^2$/NDF: 4063383178781017924054221039826947276 8.0/14
Right: 30.953+/-0.000 $\chi^2$/NDF: 1595991371539270
Left Out: 926.155+/-0.000 $\chi^2$/NDF:5465331386958525681971732833592410112.0/2
In: 661.066+/-0.000 $\chi^2$/NDF:6764949310629934
Right Out: -1016.106+/-0.000 $\chi^2$/NDF: 7256766433350919271218431003715017113 6.0/15
Out: -557.795+/-0.000 $\chi^2$/NDF:671770307546886
Left In: -1082.578+/-0.000 $\chi^2$/NDF:2083443553823124896501893118400921600.0/1
All: 30.695+/-0.000 $\chi^2$/NDF: 1974457833375

# dit_atr1_coil4_mean vs Slug, Sign Corrected

Left: 42.721+/-0.000 $\chi^2$/NDF: 1391219514603549
Right In: -1374.510+/-0.000 $\chi^2$/NDF: 3072775774026573120755024580495322120192.0/14
Right: -55.518+/-0.000 $\chi^2$/NDF: 1641580107615579
Left Out: -414.723+/-0.000 $\chi^2$/NDF:3101360332068481175599347698613669068 8.0/2
In: -970.223+/-0.000 $\chi^2$/NDF:3605086543735318
Right Out: 1227.879+/-0.000 $\chi^2$/NDF: 111153129999266233964664502184486224527 36.0/15
Out: 840.278+/-0.000 $\chi^2$/NDF:1157098858570304
Left In: 610.391+/-0.000 $\chi^2$/NDF:1150851447157538355790271710571895193 6.0/1
All: -33.868+/-0.000 $\chi^2$/NDF: 165577219412

# dit_atr1_coil4_err_mean vs Slug, Sign Corrected

Left: 38.436+/-0.000 $\chi^2$/NDF: 9569122031147008

Right In: 507.809+/-0.000 $\chi^2$/NDF: 641399279684440545968596134682207191 04.0/14

Right: -42.141+/-0.000 $\chi^2$/NDF: 692705775128653

Left Out: 485.567+/-0.000 $\chi^2$/NDF:297702796719549065961693677858324480 0.0/2

In: 299.190+/-0.000 $\chi^2$/NDF:2032374885076839

Right Out: -577.250+/-0.000 $\chi^2$/NDF: 241288780642623391683958641535574081536.0/15

Out: -326.460+/-0.000 $\chi^2$/NDF:422051145825696

Left In: -516.438+/-0.000 $\chi^2$/NDF:420591558322302543338216010314416128.0/1

All: -24.384+/-0.000 $\chi^2$/NDF: 790279990198

# dit_atr1_coil4_Ndata_mean vs Slug, Sign Corrected

Left: 29.785+/-0.000 $\chi^2$/NDF: 3784660662254261
Right In: 1107.052+/-0.000 $\chi^2$/NDF: 4063383178781017924054221039826947276 8.0/14
Right: 30.953+/-0.000 $\chi^2$/NDF: 1595991371539270
Left Out: 926.155+/-0.000 $\chi^2$/NDF:546533138695852568197173283359241011 2.0/2
In: 661.066+/-0.000 $\chi^2$/NDF:676494931062993 41
Right Out: -1016.106+/-0.000 $\chi^2$/NDF: 7256766433350919271218431003715017113 6.0/15
Out: -557.795+/-0.000 $\chi^2$/NDF:671770307546886
Left In: -1082.578+/-0.000 $\chi^2$/NDF:2083443553823124896501893118400921600.0/1
All: 30.695+/-0.000 $\chi^2$/NDF: 1974457833375

# dit_atr2_coil4_mean vs Slug, Sign Corrected

Left: 676.865+/-0.000 $\chi^2$/NDF: 2722825737240303

Right In: 30277.649+/-0.000 $\chi^2$/NDF: 309759746415241424530900225407605192785 92.0/14

Right: 285.980+/-0.000 $\chi^2$/NDF: 12297426590616 7

Left Out: 24604.712+/-0.000 $\chi^2$/NDF:6810071007012315304704925202671768436736.0/2

In: 18200.512+/-0.000 $\chi^2$/NDF:4968940701131 57

Right Out: -28896.318+/-0.000 $\chi^2$/NDF: 4696950405801035914625056022840971414 7328.0/15

Out: -16271.791+/-0.000 $\chi^2$/NDF:5042881924058

Left In: -29016.728+/-0.000 $\chi^2$/NDF:1165108914759627823455964560444417376256.0/1

All: 372.123+/-0.000 $\chi^2$/NDF: 150206954514

# dit_atr2_coil4_err_mean vs Slug, Sign Corrected

Left: 189.771+/-0.000 $\chi^2$/NDF: 1494207605798002

Right In: 1909.434+/-0.000 $\chi^2$/NDF: 876369740942116715241776501658694451 20.0/14

Right: -312.249+/-0.000 $\chi^2$/NDF: 94418650101321

Left Out: 1930.362+/-0.000 $\chi^2$/NDF:7745803071948147552337337890318267187 2.0/2

In: 1119.218+/-0.000 $\chi^2$/NDF:2095470203150633

Right Out: -2473.977+/-0.000 $\chi^2$/NDF: 30339080257464181217387532866003864125 44.0/15

Out: -1434.694+/-0.000 $\chi^2$/NDF:61644616806929

Left In: -1970.239+/-0.000 $\chi^2$/NDF:18143079488842793188590986902575775744.0/1

All: -201.614+/-0.000 $\chi^2$/NDF: 1100916458 9

# dit_atr2_coil4_Ndata_mean vs Slug, Sign Corrected

Left: 29.785+/-0.000 $\chi^2$/NDF: 3784660662254261
Right In: 1107.052+/-0.000 $\chi^2$/NDF: 4063383178781017924054221039826947276 8.0/14
Right: 30.953+/-0.000 $\chi^2$/NDF: 1595991371539270
Left Out: 926.155+/-0.000 $\chi^2$/NDF:546533138695852568197173283359241011 2.0/2
In: 661.066+/-0.000 $\chi^2$/NDF:6764949310629934
Right Out: -1016.106+/-0.000 $\chi^2$/NDF: 7256766433350919271218431003715017113 6.0/15
Out: -557.795+/-0.000 $\chi^2$/NDF:671770307546886
Left In: -1082.578+/-0.000 $\chi^2$/NDF:2083443553823124896501893118400921600.0/1
All: 30.695+/-0.000 $\chi^2$/NDF: 1974457833375

# dit_sam1_coil4_mean vs Slug, Sign Corrected

Left: -211.839+/-0.000 $\chi^2$/NDF: 163991547272203
Right In: -13233.367+/-0.000 $\chi^2$/NDF: 412570438362130433675968665594996405043 20.0/14
Right: 600.026+/-0.000 $\chi^2$/NDF: 330784909470012
Left Out: -6119.576+/-0.000 $\chi^2$/NDF:262358204543839463693429761490643058688.0/2
In: -9087.885+/-0.000 $\chi^2$/NDF:960395978048394
Right Out: 14060.103+/-0.000 $\chi^2$/NDF: 444905947542801617664055569157113868451 84.0/15
Out: 9298.346+/-0.000 $\chi^2$/NDF:108845468254471
Left In: 7119.448+/-0.000 $\chi^2$/NDF:249879803376449489248784955742271569 92.0/1
All: 421.108+/-0.000 $\chi^2$/NDF: 34737522289 9

# dit_sam1_coil4_err_mean vs Slug, Sign Corrected

Left: -0.327+/-0.000 $\chi^2$/NDF: 20828847320638295

Right In: 136.711+/-0.000 $\chi^2$/NDF: 2687065030885227126291764267456659456.0/14

Right: -2.614+/-0.000 $\chi^2$/NDF: 3077400704218916

Left Out: 66.257+/-0.000 $\chi^2$/NDF:2356951162103565459431398662209536 0.0/2

In: 91.969+/-0.000 $\chi^2$/NDF:90782713494368507 9

Right Out: -138.179+/-0.000 $\chi^2$/NDF: 3230883352878636334641613561898467328.0/15

Out: -89.939+/-0.000 $\chi^2$/NDF:9832459906891638

Left In: -82.955+/-0.000 $\chi^2$/NDF:1267806068413504139635396052831 4368.0/1

All: -2.110+/-0.000 $\chi^2$/NDF: 3285840900470

# dit_sam1_coil4_Ndata_mean vs Slug, Sign Corrected

Left: 29.785+/-0.000 $\chi^2$/NDF: 3784660662254261
Right In: 1107.052+/-0.000 $\chi^2$/NDF: 4063383178781017924054221039826947276 8.0/14
Right: 30.953+/-0.000 $\chi^2$/NDF: 1595991371539270
Left Out: 926.155+/-0.000 $\chi^2$/NDF:546533138695852568197173283359241011 2.0/2
In: 661.066+/-0.000 $\chi^2$/NDF:676494931062993 41
Right Out: -1016.106+/-0.000 $\chi^2$/NDF: 725676643335091927121843100371501711 36.0/15
Out: -557.795+/-0.000 $\chi^2$/NDF:671770307546886
Left In: -1082.578+/-0.000 $\chi^2$/NDF:208344355382312489650189311840092160 0.0/1
All: 30.695+/-0.000 $\chi^2$/NDF: 1974457833375

# dit_sam2_coil4_mean vs Slug, Sign Corrected

Left: -892.284+/-0.000 $\chi^2$/NDF: 426652618379124

Right In: -50695.424+/-0.000 $\chi^2$/NDF: 22661358525390857668307776113218835552665 6.0/14

Right: 1245.090+/-0.000 $\chi^2$/NDF: 39629195371379

Left Out: -30953.583+/-0.000 $\chi^2$/NDF:856619201890023716523663349504475660288 0.0/2

In: -32953.156+/-0.000 $\chi^2$/NDF:1230552445577 2

Right Out: 51783.912+/-0.000 $\chi^2$/NDF: 281789617729131996271154198472617478848512.0/15

Out: 32260.517+/-0.000 $\chi^2$/NDF:1367772113701 1

Left In: 36412.701+/-0.000 $\chi^2$/NDF:912129088924079945396181129096874426368.0/1

All: 774.058+/-0.000 $\chi^2$/NDF: 439089706943

# dit_sam2_coil4_err_mean vs Slug, Sign Corrected

Left: 116.541+/-0.000 $\chi^2$/NDF: 4212066343129476

Right In: 1154.331+/-0.000 $\chi^2$/NDF: 24927047256347070323273791039466373120 0/14

Right: 0.631+/-0.000 $\chi^2$/NDF: 2179785627897997 3

Left Out: 1061.212+/-0.000 $\chi^2$/NDF:789100482498228465889560746889157017 6.0/2

In: 704.177+/-0.000 $\chi^2$/NDF:8962962968963383 3

Right Out: -1121.934+/-0.000 $\chi^2$/NDF: 22615933563956733817981164400279761715 2.0/15

Out: -606.782+/-0.000 $\chi^2$/NDF:984194085567788

Left In: -1055.761+/-0.000 $\chi^2$/NDF:1347875282087847296857567920262217728.0/1

All: 26.175+/-0.000 $\chi^2$/NDF: 2604888704105

# dit_sam2_coil4_Ndata_mean vs Slug, Sign Corrected

Left: 29.785+/-0.000 $\chi^2$/NDF: 3784660662254261
Right In: 1107.052+/-0.000 $\chi^2$/NDF: 4063383178781017924054221039826947276 8.0/14
Right: 30.953+/-0.000 $\chi^2$/NDF: 1595991371539270
Left Out: 926.155+/-0.000 $\chi^2$/NDF:546533138695852568197173283359241011 2.0/2
In: 661.066+/-0.000 $\chi^2$/NDF:676494931062993 41
Right Out: -1016.106+/-0.000 $\chi^2$/NDF: 7256766433350919271218431003715017113 6.0/15
Out: -557.795+/-0.000 $\chi^2$/NDF:671770307546886
Left In: -1082.578+/-0.000 $\chi^2$/NDF:2083443553823124896501893118400921600.0/1
All: 30.695+/-0.000 $\chi^2$/NDF: 1974457833375

# dit_sam3_coil4_mean vs Slug, Sign Corrected

Left: 129.720+/-0.000 $\chi^2$/NDF: 478307264158039
Right In: 3117.914+/-0.000 $\chi^2$/NDF: 1552738593335565674554918493159210090496.0/14
Right: 184.985+/-0.000 $\chi^2$/NDF: 137039743554262
Left Out: 3304.640+/-0.000 $\chi^2$/NDF:1153322892619274321275793346502192005 12.0/2
In: 1706.780+/-0.000 $\chi^2$/NDF:7912089182716048
Right Out: -2668.794+/-0.000 $\chi^2$/NDF: 1136406286131098596000054422131257114624.0/15
Out: -1259.256+/-0.000 $\chi^2$/NDF:68677367238772
Left In: -3810.240+/-0.000 $\chi^2$/NDF:1437115325930245645256648711239997 8496.0/1
All: 172.806+/-0.000 $\chi^2$/NDF: 18487932769

# dit_sam3_coil4_err_mean vs Slug, Sign Corrected

Left: 109.445+/-0.000 $\chi^2$/NDF: 2352794883680761

Right In: 552.108+/-0.000 $\chi^2$/NDF: 507390417411591198485239882360018698 24.0/14

Right: 15.643+/-0.000 $\chi^2$/NDF: 4564382403190982

Left Out: 815.402+/-0.000 $\chi^2$/NDF:4537954347563700695975386539389616128.0/2

In: 283.508+/-0.000 $\chi^2$/NDF:2812944767768721 9

Right Out: -506.345+/-0.000 $\chi^2$/NDF: 37181653297314883501659131806010572800.0/15

Out: -194.455+/-0.000 $\chi^2$/NDF:316683446205877

Left In: -766.621+/-0.000 $\chi^2$/NDF:67251820971479063522178142889731 6864.0/1

All: 36.315+/-0.000 $\chi^2$/NDF: 6942695763867

# dit_sam3_coil4_Ndata_mean vs Slug, Sign Corrected

Left: 29.785+/-0.000 $\chi^2$/NDF: 3784660662254261
Right In: 1107.052+/-0.000 $\chi^2$/NDF: 406338317878101792405422103982694727 68.0/14
Right: 30.953+/-0.000 $\chi^2$/NDF: 1595991371539270
Left Out: 926.155+/-0.000 $\chi^2$/NDF:546533138695852568197173283359241 0112.0/2
In: 661.066+/-0.000 $\chi^2$/NDF:6764949310629934
Right Out: -1016.106+/-0.000 $\chi^2$/NDF: 725676643335091927121843100371501 71136.0/15
Out: -557.795+/-0.000 $\chi^2$/NDF:671770307546886
Left In: -1082.578+/-0.000 $\chi^2$/NDF:208344355382312489650189311840092 1600.0/1
All: 30.695+/-0.000 $\chi^2$/NDF: 1974457833375

# dit_sam4_coil4_mean vs Slug, Sign Corrected

Left: 1494.203+/-0.000 $\chi^2$/NDF: 69444635186917
Right In: 43039.927+/-0.000 $\chi^2$/NDF: 48397052922561722652666786407552179503104.0/14
Right: 1322.243+/-0.000 $\chi^2$/NDF: 23287829079556
Left Out: 39854.629+/-0.000 $\chi^2$/NDF:13383924465576271717727099325488545398784.0/2
In: 24881.844+/-0.000 $\chi^2$/NDF:110074040876420
Right Out: -39269.627+/-0.000 $\chi^2$/NDF: 51873036517757666237545716605051585167360.0/15
Out: -20598.840+/-0.000 $\chi^2$/NDF:1050624119250
Left In: -46109.700+/-0.000 $\chi^2$/NDF:17510041068362845889647638844990606540 80.0/1
All: 1360.139+/-0.000 $\chi^2$/NDF: 3023237835

# dit_sam4_coil4_err_mean vs Slug, Sign Corrected

Left: 181.144+/-0.000 $\chi^2$/NDF: 7572785649113341

Right In: 813.500+/-0.000 $\chi^2$/NDF: 671209168165482376389487875183513436 16.0/14

Right: 25.157+/-0.000 $\chi^2$/NDF: 9069972726032984

Left Out: 1447.021+/-0.000 $\chi^2$/NDF:1505029442217454030789068176783258419 2.0/2

In: 364.738+/-0.000 $\chi^2$/NDF:7112933124891698 2

Right Out: -741.911+/-0.000 $\chi^2$/NDF: 4407413439721540923560474643267164569 6.0/15

Out: -225.393+/-0.000 $\chi^2$/NDF:813249418116439

Left In: -1389.763+/-0.000 $\chi^2$/NDF:2478574938392785508449021513839935488.0/1

All: 59.534+/-0.000 $\chi^2$/NDF: 1671332566096

# dit_sam4_coil4_Ndata_mean vs Slug, Sign Corrected

Left: 29.785+/-0.000 $\chi^2$/NDF: 3784660662254261
Right In: 1107.052+/-0.000 $\chi^2$/NDF: 4063383178781017924054221039826947276 8.0/14
Right: 30.953+/-0.000 $\chi^2$/NDF: 1595991371539270
Left Out: 926.155+/-0.000 $\chi^2$/NDF:5465331386958525681971732833592410112.0/2
In: 661.066+/-0.000 $\chi^2$/NDF:676494931062993 4
Right Out: -1016.106+/-0.000 $\chi^2$/NDF: 7256766433350919271218431003715017 1136.0/15
Out: -557.795+/-0.000 $\chi^2$/NDF:671770307546886
Left In: -1082.578+/-0.000 $\chi^2$/NDF:2083443553823124896501893118400921600.0/1
All: 30.695+/-0.000 $\chi^2$/NDF: 1974457833375

# dit_sam5_coil4_mean vs Slug, Sign Corrected

Left: 808.980+/-0.000 $\chi^2$/NDF: 2633242466613369

Right In: 23411.506+/-0.000 $\chi^2$/NDF: 284274574717803193528857465713157084282 88.0/14

Right: 955.690+/-0.000 $\chi^2$/NDF: 701538889846229

Left Out: 24435.249+/-0.000 $\chi^2$/NDF:49579662863714459648833819875482586316 80.0/2

In: 12836.009+/-0.000 $\chi^2$/NDF:385472505515377

Right Out: -20894.122+/-0.000 $\chi^2$/NDF: 274089658045786491070029094099872183746 56.0/15

Out: -10197.844+/-0.000 $\chi^2$/NDF:3557655721224

Left In: -28510.366+/-0.000 $\chi^2$/NDF:679371105075432700525280170591156961280.0/1

All: 923.358+/-0.000 $\chi^2$/NDF: 96486937886

# dit_sam5_coil4_err_mean vs Slug, Sign Corrected

Left: 11.740+/-0.000 $\chi^2$/NDF: 1891048732395127
Right In: 198.056+/-0.000 $\chi^2$/NDF: 2482928792293864415922382990034862080.0/14
Right: 11.079+/-0.000 $\chi^2$/NDF: 4866728486717223
Left Out: 210.166+/-0.000 $\chi^2$/NDF:5593779617754625188778551000023695 36.0/2
In: 109.952+/-0.000 $\chi^2$/NDF:2739111143337505
Right Out: -170.851+/-0.000 $\chi^2$/NDF: 1418314816915016425155520631536615424.0/15
Out: -80.944+/-0.000 $\chi^2$/NDF:2482671572980207
Left In: -234.500+/-0.000 $\chi^2$/NDF:1750999377492561265855010530016 62464.0/1
All: 11.225+/-0.000 $\chi^2$/NDF: 6757789874355

# dit_sam5_coil4_Ndata_mean vs Slug, Sign Corrected

Left: 29.785+/-0.000 $\chi^2$/NDF: 3784660662254261
Right In: 1107.052+/-0.000 $\chi^2$/NDF: 406338317878101792405422103982694727 68.0/14
Right: 30.953+/-0.000 $\chi^2$/NDF: 1595991371539270
Left Out: 926.155+/-0.000 $\chi^2$/NDF:546533138695852568197173283359241 0112.0/2
In: 661.066+/-0.000 $\chi^2$/NDF:676494931062993 41
Right Out: -1016.106+/-0.000 $\chi^2$/NDF: 725676643335091927121843100371501 71136.0/15
Out: -557.795+/-0.000 $\chi^2$/NDF:671770307546886
Left In: -1082.578+/-0.000 $\chi^2$/NDF:208344355382312489650189311840092 1600.0/1
All: 30.695+/-0.000 $\chi^2$/NDF: 1974457833375

# dit_sam6_coil4_mean vs Slug, Sign Corrected

Left: 395.938+/-0.000 $\chi^2$/NDF: 1422947482049457

Right In: 15125.834+/-0.000 $\chi^2$/NDF: 16615438767664069151744668380763246297088.0/14

Right: 626.147+/-0.000 $\chi^2$/NDF: 301736371959472

Left Out: 17752.224+/-0.000 $\chi^2$/NDF:28828962725412465028871633021533379624 96.0/2

In: 7738.647+/-0.000 $\chi^2$/NDF:190844109371561 3

Right Out: -13482.244+/-0.000 $\chi^2$/NDF: 15910426475407825250252248749810022088704.0/15

Out: -6111.912+/-0.000 $\chi^2$/NDF:17234234033422

Left In: -21142.586+/-0.000 $\chi^2$/NDF:34754644888435986210429648467826992 7424.0/1

All: 575.414+/-0.000 $\chi^2$/NDF: 44404649005 6

# dit_sam6_coil4_err_mean vs Slug, Sign Corrected

Left: 24.540+/-0.000 $\chi^2$/NDF: 39289704452591054
Right In: 232.312+/-0.000 $\chi^2$/NDF: 5478184144885833956204804001180418048.0/14
Right: 10.849+/-0.000 $\chi^2$/NDF: 7283570791033899
Left Out: 312.010+/-0.000 $\chi^2$/NDF:8741423475022090016012197179770798 08.0/2
In: 117.332+/-0.000 $\chi^2$/NDF:4786957040970670 0
Right Out: -204.637+/-0.000 $\chi^2$/NDF: 4555067046835230017930882867882098688.0/15
Out: -82.725+/-0.000 $\chi^2$/NDF:4744057048667322
Left In: -332.200+/-0.000 $\chi^2$/NDF:2661842372138145583513933485755596 80.0/1
All: 13.866+/-0.000 $\chi^2$/NDF: 1121797712846

# dit_sam6_coil4_Ndata_mean vs Slug, Sign Corrected

Left: 29.785+/-0.000 $\chi^2$/NDF: 3784660662254261
Right In: 1107.052+/-0.000 $\chi^2$/NDF: 406338317878101792405422103982694727 68.0/14
Right: 30.953+/-0.000 $\chi^2$/NDF: 1595991371539270
Left Out: 926.155+/-0.000 $\chi^2$/NDF:546533138695852568197173283359241 0112.0/2
In: 661.066+/-0.000 $\chi^2$/NDF:6764949310629934
Right Out: -1016.106+/-0.000 $\chi^2$/NDF: 725676643335091927121843100371501 71136.0/15
Out: -557.795+/-0.000 $\chi^2$/NDF:671770307546886
Left In: -1082.578+/-0.000 $\chi^2$/NDF:208344355382312489650189311840092 1600.0/1
All: 30.695+/-0.000 $\chi^2$/NDF: 1974457833375

# dit_sam7_coil4_mean vs Slug, Sign Corrected

Left: 4.451+/-0.000 $\chi^2$/NDF: 583813510037576106

Right In: -1264.303+/-0.000 $\chi^2$/NDF: 1402152515385026575491739945439319818 24.0/14

Right: -16.067+/-0.000 $\chi^2$/NDF: 226649511001664

Left Out: -1106.360+/-0.000 $\chi^2$/NDF:1373267591742889767177196302609730764 8.0/2

In: -725.112+/-0.000 $\chi^2$/NDF:1067037130032997

Right Out: 1198.483+/-0.000 $\chi^2$/NDF: 1311647638980167935154922176961671331 84.0/15

Out: 654.614+/-0.000 $\chi^2$/NDF:981003678438783 8

Left In: 1382.927+/-0.000 $\chi^2$/NDF:4648195181084257622619407484022947 84.0/1

All: -11.545+/-0.000 $\chi^2$/NDF: 285043071473

# dit_sam7_coil4_err_mean vs Slug, Sign Corrected

Left: 28.324+/-0.000 $\chi^2$/NDF: 1892477236873502

Right In: 171.323+/-0.000 $\chi^2$/NDF: 612097507518730550979514306499339878 4.0/14

Right: 5.426+/-0.000 $\chi^2$/NDF: 4704270819776107 6

Left Out: 228.679+/-0.000 $\chi^2$/NDF:3076550550130308599366712003416555 52.0/2

In: 91.555+/-0.000 $\chi^2$/NDF:2648149935290333 13

Right Out: -155.993+/-0.000 $\chi^2$/NDF: 5680659281504595852021524727244783616.0/15

Out: -65.223+/-0.000 $\chi^2$/NDF:2927782522138055

Left In: -220.309+/-0.000 $\chi^2$/NDF:8603649321491739370699718314164224 0.0/1

All: 10.472+/-0.000 $\chi^2$/NDF: 661195435007 2

# dit_sam7_coil4_Ndata_mean vs Slug, Sign Corrected

Left: 29.785+/-0.000 $\chi^2$/NDF: 3784660662254261
Right In: 1107.052+/-0.000 $\chi^2$/NDF: 406338317878101792405422103982694727 68.0/14
Right: 30.953+/-0.000 $\chi^2$/NDF: 1595991371539270
Left Out: 926.155+/-0.000 $\chi^2$/NDF:546533138695852568197173283359241 0112.0/2
In: 661.066+/-0.000 $\chi^2$/NDF:6764949310629934
Right Out: -1016.106+/-0.000 $\chi^2$/NDF: 725676643335091927121843100371501 71136.0/15
Out: -557.795+/-0.000 $\chi^2$/NDF:671770307546886
Left In: -1082.578+/-0.000 $\chi^2$/NDF:208344355382312489650189311840092 1600.0/1
All: 30.695+/-0.000 $\chi^2$/NDF: 1974457833375

# dit_sam8_coil4_mean vs Slug, Sign Corrected

Left: -52.193+/-0.000 $\chi^2$/NDF: 8380324641626287
Right In: 907.442+/-0.000 $\chi^2$/NDF: 2107238007691848638499662178406566461440.0/14
Right: 193.746+/-0.000 $\chi^2$/NDF: 483370034209518
Left Out: 1262.850+/-0.000 $\chi^2$/NDF:3922904611970107966819519044226383872 0.0/2
In: 379.591+/-0.000 $\chi^2$/NDF:2995514685854791
Right Out: -500.689+/-0.000 $\chi^2$/NDF: 2074232918749953174436803426379074895872.0/15
Out: -84.550+/-0.000 $\chi^2$/NDF:2602957400856395
Left In: -1684.114+/-0.000 $\chi^2$/NDF:4742867230113791849027127836934144 00.0/1
All: 139.546+/-0.000 $\chi^2$/NDF: 56892749943

# dit_sam8_coil4_err_mean vs Slug, Sign Corrected

Left: 29.569+/-0.000 $\chi^2$/NDF: 1596306133959011

Right In: 116.159+/-0.000 $\chi^2$/NDF: 1198526427485199785396504127288115200.0/14

Right: 4.320+/-0.000 $\chi^2$/NDF: 1850075643090107

Left Out: 213.588+/-0.000 $\chi^2$/NDF:3118634987160479222580649563877539 84.0/2

In: 52.010+/-0.000 $\chi^2$/NDF:1432962402559103 96

Right Out: -104.501+/-0.000 $\chi^2$/NDF: 1285986383644058507445602420764180480.0/15

Out: -29.442+/-0.000 $\chi^2$/NDF:1752269291041370

Left In: -198.791+/-0.000 $\chi^2$/NDF:1877448987470069320208370371448012 8.0/1

All: 9.885+/-0.000 $\chi^2$/NDF: 3464870990943 4

# dit_sam8_coil4_Ndata_mean vs Slug, Sign Corrected

Left: 29.785+/-0.000 $\chi^2$/NDF: 3784660662254261
Right In: 1107.052+/-0.000 $\chi^2$/NDF: 406338317878101792405422103982694727 68.0/14
Right: 30.953+/-0.000 $\chi^2$/NDF: 1595991371539270
Left Out: 926.155+/-0.000 $\chi^2$/NDF:546533138695852568197173283359241 0112.0/2
In: 661.066+/-0.000 $\chi^2$/NDF:6764949310629934
Right Out: -1016.106+/-0.000 $\chi^2$/NDF: 725676643335091927121843100371501 71136.0/15
Out: -557.795+/-0.000 $\chi^2$/NDF:671770307546886
Left In: -1082.578+/-0.000 $\chi^2$/NDF:208344355382312489650189311840092 1600.0/1
All: 30.695+/-0.000 $\chi^2$/NDF: 1974457833375

# dit_4aX_coil6_mean vs Slug, Sign Corrected

Left: 0.290+/-0.000 $\chi^2$/NDF: 19365438635873664
Right In: 2.123+/-0.000 $\chi^2$/NDF: 526370592282107597102201384940339 2.0/14
Right: -0.039+/-0.000 $\chi^2$/NDF: 1371901956190569
Left Out: 2.247+/-0.000 $\chi^2$/NDF:168539803426206084126745745686528.0/2
In: 1.255+/-0.000 $\chi^2$/NDF:7664371983459394340
Right Out: -2.142+/-0.000 $\chi^2$/NDF: 247294994099367246616169225702604 8.0/15
Out: -1.106+/-0.000 $\chi^2$/NDF:5672487941542762 3
Left In: -2.138+/-0.000 $\chi^2$/NDF:688190970526724497982246354944.0/1
All: 0.034+/-0.000 $\chi^2$/NDF: 1568688200736 3

# dit_4aX_coil6_err_mean vs Slug, Sign Corrected

Left: -0.074+/-0.000 $\chi^2$/NDF: 16283632122100199

Right In: 4.495+/-0.000 $\chi^2$/NDF: 252702422198160615323291986344017 92.0/14

Right: 0.264+/-0.000 $\chi^2$/NDF: 60505823648883396

Left Out: 1.787+/-0.000 $\chi^2$/NDF:290417340483246274439055272837 12.0/2

In: 3.094+/-0.000 $\chi^2$/NDF:315258659964478629 2

Right Out: -3.852+/-0.000 $\chi^2$/NDF: 1231497147655680655051884763860 1728.0/15

Out: -2.522+/-0.000 $\chi^2$/NDF:17349244087071693

Left In: -2.384+/-0.000 $\chi^2$/NDF:1779997530935817739218095964 16.0/1

All: 0.190+/-0.000 $\chi^2$/NDF: 6216743505915 8

# dit_4aX_coil6_Ndata_mean vs Slug, Sign Corrected

Right In: 1013.146+/-0.000 $\chi^2$/NDF: 317212709095220992059361007248563240 96.0/14

Left Out: 927.985+/-0.000 $\chi^2$/NDF:1000905623089806518084439518139436236 8.0/2

Right Out: -972.465+/-0.000 $\chi^2$/NDF: 788844572007826559627560699154682347 52.0/15

Left In: -1045.687+/-0.000 $\chi^2$/NDF:972995402346633500280281572485103616.0/1

Left: 47.261+/-0.000 $\chi^2$/NDF: 3690639846730793 5

Right: 6.761+/-0.000 $\chi^2$/NDF: 1407495442173303 2

In: 593.801+/-0.000 $\chi^2$/NDF:5930160033058072 6

Out: -524.019+/-0.000 $\chi^2$/NDF:657342897222288

All: 15.687+/-0.000 $\chi^2$/NDF: 1777035115277

# dit_4eX_coil6_mean vs Slug, Sign Corrected

Left: 0.242+/-0.000 $\chi^2$/NDF: 80924953842228330

Right In: 1.480+/-0.000 $\chi^2$/NDF: 579967069590278445905576798768332 8.0/14

Right: -0.020+/-0.000 $\chi^2$/NDF: 1277469544314031

Left Out: 1.448+/-0.000 $\chi^2$/NDF:1373957676543328624252780344770 56.0/2

In: 0.923+/-0.000 $\chi^2$/NDF:678884534298382957 3

Right Out: -1.480+/-0.000 $\chi^2$/NDF: 409264580061376557266298782036787 2.0/15

Out: -0.789+/-0.000 $\chi^2$/NDF:5579393844747416 3

Left In: -1.255+/-0.000 $\chi^2$/NDF:190512210038681042511651143680.0/1

All: 0.037+/-0.000 $\chi^2$/NDF: 1360384601752 4

# dit_4eX_coil6_err_mean vs Slug, Sign Corrected

Left: -0.064+/-0.000 $\chi^2$/NDF: 13727785006304957

Right In: 4.424+/-0.000 $\chi^2$/NDF: 28257459272876210608839830473277440.0/14

Right: 0.293+/-0.000 $\chi^2$/NDF: 64106471830391853

Left Out: 1.645+/-0.000 $\chi^2$/NDF:2542811341557692158581841435033 6.0/2

In: 3.078+/-0.000 $\chi^2$/NDF:3403017127258037438

Right Out: -3.727+/-0.000 $\chi^2$/NDF: 13991816814749842519794284853460992.0/15

Out: -2.460+/-0.000 $\chi^2$/NDF:18558622612763571

Left In: -2.184+/-0.000 $\chi^2$/NDF:65312899576592818012627664896.0/1

All: 0.214+/-0.000 $\chi^2$/NDF: 6551616591162 6

# dit_4eX_coil6_Ndata_mean vs Slug, Sign Corrected

Left: 47.261+/-0.000 $\chi^2$/NDF: 3690639846730793
Right In: 1013.146+/-0.000 $\chi^2$/NDF: 3172127090952209920593610072485632409 6.0/14
Right: 6.761+/-0.000 $\chi^2$/NDF: 1407495442173303 2
Left Out: 927.985+/-0.000 $\chi^2$/NDF:1000905623089806518084439518139436236 8.0/2
In: 593.801+/-0.000 $\chi^2$/NDF:5930160033058072 6
Right Out: -972.465+/-0.000 $\chi^2$/NDF: 7888445720078265596275606991546823475 2.0/15
Out: -524.019+/-0.000 $\chi^2$/NDF:65734289722228 8
Left In: -1045.687+/-0.000 $\chi^2$/NDF:9729954023466335002802815724851036 16.0/1
All: 15.687+/-0.000 $\chi^2$/NDF: 1777035115277

# dit_11X12X_coil6_mean vs Slug, Sign Corrected

Left: 0.444+/-0.000 $\chi^2$/NDF: 110381195039972411

Right In: 4.785+/-0.000 $\chi^2$/NDF: 399655607315477971180815947032166 4.0/14

Right: 0.029+/-0.000 $\chi^2$/NDF: 3394856656842674 2

Left Out: 5.249+/-0.000 $\chi^2$/NDF:37752066226632108544629537767424 0.0/2

In: 2.687+/-0.000 $\chi^2$/NDF:1803260282367313766

Right Out: -4.598+/-0.000 $\chi^2$/NDF: 98960715679294863324763277964083 2.0/15

Out: -2.275+/-0.000 $\chi^2$/NDF:16629471011938452

Left In: -5.518+/-0.000 $\chi^2$/NDF:38706151594174578364962087895 04.0/1

All: 0.121+/-0.000 $\chi^2$/NDF: 4503668893171 6

# dit_11X12X_coil6_err_mean vs Slug, Sign Corrected

Left: 0.275+/-0.000 $\chi^2$/NDF: 18582827670432558

Right In: 5.366+/-0.000 $\chi^2$/NDF: 1878072472206349709615300930122547 2.0/14

Right: 0.015+/-0.000 $\chi^2$/NDF: 7119941384422655 3

Left Out: 2.212+/-0.000 $\chi^2$/NDF:1182045874529856525887440703979 52.0/2

In: 3.839+/-0.000 $\chi^2$/NDF:2621461505654864446

Right Out: -5.192+/-0.000 $\chi^2$/NDF: 1574957375494534575443243695289 1392.0/15

Out: -3.445+/-0.000 $\chi^2$/NDF:2449625439158274 8

Left In: -2.129+/-0.000 $\chi^2$/NDF:7696078065675706939430198575104.0/1

All: 0.072+/-0.000 $\chi^2$/NDF: 7307731369394 1

# dit_11X12X_coil6_Ndata_mean vs Slug, Sign Corrected

Left: 47.261+/-0.000 $\chi^2$/NDF: 3690639846730793
Right In: 1013.146+/-0.000 $\chi^2$/NDF: 3172127090952209920593610072485632409 6.0/14
Right: 6.761+/-0.000 $\chi^2$/NDF: 1407495442173303 2
Left Out: 927.985+/-0.000 $\chi^2$/NDF:1000905623089806518084439518139436236 8.0/2
In: 593.801+/-0.000 $\chi^2$/NDF:5930160033058072 6
Right Out: -972.465+/-0.000 $\chi^2$/NDF: 7888445720078265596275606991546823475 2.0/15
Out: -524.019+/-0.000 $\chi^2$/NDF:6573428972222 88
Left In: -1045.687+/-0.000 $\chi^2$/NDF:9729954023466335002802815724851036 16.0/1
All: 15.687+/-0.000 $\chi^2$/NDF: 1777035115277

# dit_4aY_coil6_mean vs Slug, Sign Corrected

Left: 0.686+/-0.000 $\chi^2$/NDF: 54754604605402731
Right In: 22.385+/-0.000 $\chi^2$/NDF: 192226086002359263779409418332300902 4.0/14
Right: 1.456+/-0.000 $\chi^2$/NDF: 46653243676344267
Left Out: 34.762+/-0.000 $\chi^2$/NDF:1006069683198189265282901290778624 0.0/2
In: 9.352+/-0.000 $\chi^2$/NDF:246490746640401603
Right Out: -18.907+/-0.000 $\chi^2$/NDF: 2182221808408156293593993992757837824.0/15
Out: -6.243+/-0.000 $\chi^2$/NDF:26456276176663344
Left In: -41.602+/-0.000 $\chi^2$/NDF:1435270892026708297277973989425152.0/1
All: 1.287+/-0.000 $\chi^2$/NDF: 5213042593053

# dit_4aY_coil6_err_mean vs Slug, Sign Corrected

Left: 0.025+/-0.000 $\chi^2$/NDF: 68212848016457639

Right In: 1.384+/-0.000 $\chi^2$/NDF: 157115932410206412048794093669580 8.0/14

Right: 0.104+/-0.000 $\chi^2$/NDF: 4480295700772902 3

Left Out: 0.400+/-0.000 $\chi^2$/NDF:302321724673438144269873944985 6.0/2

In: 1.012+/-0.000 $\chi^2$/NDF:201167387530072058 7

Right Out: -1.142+/-0.000 $\chi^2$/NDF: 810680738285448955223066212827136.0/15

Out: -0.778+/-0.000 $\chi^2$/NDF:11878926954157647

Left In: -0.441+/-0.000 $\chi^2$/NDF:109138916307478538822738771968.0/1

All: 0.086+/-0.000 $\chi^2$/NDF: 4550326729478 3

# dit_4aY_coil6_Ndata_mean vs Slug, Sign Corrected

Left: 47.261+/-0.000 $\chi^2$/NDF: 3690639846730793
Right In: 1013.146+/-0.000 $\chi^2$/NDF: 3172127090952209920593610072485632409 6.0/14
Right: 6.761+/-0.000 $\chi^2$/NDF: 1407495442173303 2
Left Out: 927.985+/-0.000 $\chi^2$/NDF:1000905623089806518084439518139436236 8.0/2
In: 593.801+/-0.000 $\chi^2$/NDF:5930160033058072 6
Right Out: -972.465+/-0.000 $\chi^2$/NDF: 7888445720078265596275606991546823475 2.0/15
Out: -524.019+/-0.000 $\chi^2$/NDF:6573428972222 88
Left In: -1045.687+/-0.000 $\chi^2$/NDF:9729954023466335002802815724851036 16.0/1
All: 15.687+/-0.000 $\chi^2$/NDF: 1777035115277

# dit_4eY_coil6_mean vs Slug, Sign Corrected

Left: -1.035+/-0.000 $\chi^2$/NDF: 84847802786992125

Right In: -19.175+/-0.000 $\chi^2$/NDF: 1246364705689764961102868160463241216.0/14

Right: -0.091+/-0.000 $\chi^2$/NDF: 3202145485356183

Left Out: -14.399+/-0.000 $\chi^2$/NDF:2111143200441764555292588566904832.0/2

In: -12.103+/-0.000 $\chi^2$/NDF:14060426529476245

Right Out: 18.479+/-0.000 $\chi^2$/NDF: 1489398115046175180640331393369374720.0/15

Out: 10.721+/-0.000 $\chi^2$/NDF:1661642610082083

Left In: 15.548+/-0.000 $\chi^2$/NDF:2953131800321837984415452663644 16.0/1

All: -0.299+/-0.000 $\chi^2$/NDF: 3287252199843

# dit_4eY_coil6_err_mean vs Slug, Sign Corrected

Left: 0.029+/-0.000 $\chi^2$/NDF: 74601161145704798

Right In: 1.274+/-0.000 $\chi^2$/NDF: 1212041476631073599154045304438784.0/14

Right: 0.095+/-0.000 $\chi^2$/NDF: 3598732831032468

Left Out: 0.422+/-0.000 $\chi^2$/NDF:3034090421347858418091763433472.0/2

In: 0.921+/-0.000 $\chi^2$/NDF:160952415151546178

Right Out: -1.052+/-0.000 $\chi^2$/NDF: 607316121057753919194559126962176.0/15

Out: -0.704+/-0.000 $\chi^2$/NDF:95231230747227916

Left In: -0.460+/-0.000 $\chi^2$/NDF:286766512376691136868583997 44.0/1

All: 0.080+/-0.000 $\chi^2$/NDF: 3674622524586

# dit_4eY_coil6_Ndata_mean vs Slug, Sign Corrected

Left: 47.261+/-0.000 $\chi^2$/NDF: 3690639846730793
Right In: 1013.146+/-0.000 $\chi^2$/NDF: 3172127090952209920593610072485632409 6.0/14
Right: 6.761+/-0.000 $\chi^2$/NDF: 1407495442173303 2
Left Out: 927.985+/-0.000 $\chi^2$/NDF:1000905623089806518084439518139436236 8.0/2
In: 593.801+/-0.000 $\chi^2$/NDF:5930160033058072 6
Right Out: -972.465+/-0.000 $\chi^2$/NDF: 7888445720078265596275606991546823475 2.0/15
Out: -524.019+/-0.000 $\chi^2$/NDF:65734289722228 8
Left In: -1045.687+/-0.000 $\chi^2$/NDF:9729954023466335002802815724851036 16.0/1
All: 15.687+/-0.000 $\chi^2$/NDF: 1777035115277

# dit_usl_coil6_mean vs Slug, Sign Corrected

Left: -82.969+/-0.000 $\chi^2$/NDF: 3434969811727227
Right In: -697.283+/-0.000 $\chi^2$/NDF: 4904357906981338284757696929443642081 28.0/14
Right: 88.833+/-0.000 $\chi^2$/NDF: 2360125827736184
Left Out: -910.870+/-0.000 $\chi^2$/NDF:2282001964658666962848049511913855 3856.0/2
In: -362.898+/-0.000 $\chi^2$/NDF:8509731198457987
Right Out: 853.734+/-0.000 $\chi^2$/NDF: 1078379020126412317155932275156201766912.0/15
Out: 437.344+/-0.000 $\chi^2$/NDF:1591285896003657
Left In: 944.426+/-0.000 $\chi^2$/NDF:4260670985639431005147582372981506048.0/1
All: 50.971+/-0.000 $\chi^2$/NDF: 2712182960603

# dit_usl_coil6_err_mean vs Slug, Sign Corrected

Left: 2.763+/-0.000 $\chi^2$/NDF: 112929468545005106

Right In: 329.108+/-0.000 $\chi^2$/NDF: 116863820700538623524207945698672377856.0/14

Right: -3.278+/-0.000 $\chi^2$/NDF: 3459018192319126

Left Out: 155.641+/-0.000 $\chi^2$/NDF:4430737893495245559038796240246538 24.0/2

In: 223.996+/-0.000 $\chi^2$/NDF:1521289061265392 6

Right Out: -326.695+/-0.000 $\chi^2$/NDF: 875691233543180206886110284151510 79424.0/15

Out: -212.879+/-0.000 $\chi^2$/NDF:124628753975188

Left In: -186.954+/-0.000 $\chi^2$/NDF:605578989736652653875241807396208 64.0/1

All: -1.947+/-0.000 $\chi^2$/NDF: 3572053499018

# dit_usl_coil6_Ndata_mean vs Slug, Sign Corrected

Left: 47.261+/-0.000 $\chi^2$/NDF: 3690639846730793
Right In: 1013.146+/-0.000 $\chi^2$/NDF: 3172127090952209920593610072485632409 6.0/14
Right: 6.761+/-0.000 $\chi^2$/NDF: 1407495442173303 2
Left Out: 927.985+/-0.000 $\chi^2$/NDF:1000905623089806518084439518139436236 8.0/2
In: 593.801+/-0.000 $\chi^2$/NDF:5930160033058072 6
Right Out: -972.465+/-0.000 $\chi^2$/NDF: 7888445720078265596275606991546823475 2.0/15
Out: -524.019+/-0.000 $\chi^2$/NDF:65734289722228 8
Left In: -1045.687+/-0.000 $\chi^2$/NDF:9729954023466335002802815724851036 16.0/1
All: 15.687+/-0.000 $\chi^2$/NDF: 1777035115277

# dit_usr_coil6_mean vs Slug, Sign Corrected

Left: -37.879+/-0.000 $\chi^2$/NDF: 1359696667700881
Right In: -444.512+/-0.000 $\chi^2$/NDF: 3964819035015937030665358512299536547 84.0/14
Right: -13.070+/-0.000 $\chi^2$/NDF: 116395703795034
Left Out: -573.419+/-0.000 $\chi^2$/NDF:2591520667060067045614058793395552256.0/2
In: -226.325+/-0.000 $\chi^2$/NDF:5491488223729572
Right Out: 406.729+/-0.000 $\chi^2$/NDF: 5291224218667748100129417822391291084 80.0/15
Out: 175.446+/-0.000 $\chi^2$/NDF:6829177449361575
Left In: 626.708+/-0.000 $\chi^2$/NDF:9784002397147873131031838976649461 76.0/1
All: -18.537+/-0.000 $\chi^2$/NDF: 130010520398

# dit_usr_coil6_err_mean vs Slug, Sign Corrected

Left: 5.591+/-0.000 $\chi^2$/NDF: 10208423168830102
Right In: 442.162+/-0.000 $\chi^2$/NDF: 204015999343694089140945697316947361792.0/14
Right: 18.346+/-0.000 $\chi^2$/NDF: 5398999467995186
Left Out: 151.914+/-0.000 $\chi^2$/NDF:310634963485228203241580033745092608.0/2
In: 316.256+/-0.000 $\chi^2$/NDF:2545409881748440
Right Out: -394.033+/-0.000 $\chi^2$/NDF: 105882611624182009489804426207740035072.0/15
Out: -265.207+/-0.000 $\chi^2$/NDF:153104919194624
Left In: -175.991+/-0.000 $\chi^2$/NDF:138906399755471507215083153098014 72.0/1
All: 15.535+/-0.000 $\chi^2$/NDF: 5501555499474

# dit_usr_coil6_Ndata_mean vs Slug, Sign Corrected

Left: 47.261+/-0.000 $\chi^2$/NDF: 3690639846730793
Right In: 1013.146+/-0.000 $\chi^2$/NDF: 3172127090952209920593610072485632409 6.0/14
Right: 6.761+/-0.000 $\chi^2$/NDF: 1407495442173303 2
Left Out: 927.985+/-0.000 $\chi^2$/NDF:1000905623089806518084439518139436236 8.0/2
In: 593.801+/-0.000 $\chi^2$/NDF:5930160033058072 6
Right Out: -972.465+/-0.000 $\chi^2$/NDF: 7888445720078265596275606991546823475 2.0/15
Out: -524.019+/-0.000 $\chi^2$/NDF:6573428972222 88
Left In: -1045.687+/-0.000 $\chi^2$/NDF:9729954023466335002802815724851036 16.0/1
All: 15.687+/-0.000 $\chi^2$/NDF: 1777035115277

# dit_atl1_coil6_mean vs Slug, Sign Corrected

Left: -7.568+/-0.000 $\chi^2$/NDF: 59711450509766258

Right In: 1729.013+/-0.000 $\chi^2$/NDF: 6413121297273347408075624116507964866560.0/14

Right: 162.918+/-0.000 $\chi^2$/NDF: 159853161210173

Left Out: 345.380+/-0.000 $\chi^2$/NDF:7793647748714451995127465260015943 68.0/2

In: 1286.093+/-0.000 $\chi^2$/NDF:703963913459002

Right Out: -1360.914+/-0.000 $\chi^2$/NDF: 643160593314886341303841785018650617 4464.0/15

Out: -958.283+/-0.000 $\chi^2$/NDF:689061816097723

Left In: -445.563+/-0.000 $\chi^2$/NDF:1424798255664115649188154826857381888.0/1

All: 125.347+/-0.000 $\chi^2$/NDF: 160534571243

# dit_atl1_coil6_err_mean vs Slug, Sign Corrected

Left: 5.807+/-0.000 $\chi^2$/NDF: 95706146661939461
Right In: 617.343+/-0.000 $\chi^2$/NDF: 79236601298595419834531775026875596800 0/14
Right: -295.811+/-0.000 $\chi^2$/NDF: 50275218393015
Left Out: 146.074+/-0.000 $\chi^2$/NDF:4496103537173708038785936277016412 16.0/2
In: 457.331+/-0.000 $\chi^2$/NDF:8739876011633130
Right Out: -1184.322+/-0.000 $\chi^2$/NDF: 316742304312124266656353582049655993 1392.0/15
Out: -870.391+/-0.000 $\chi^2$/NDF:344644640117993
Left In: -168.259+/-0.000 $\chi^2$/NDF:383546541641127106490438442916249 60.0/1
All: -229.340+/-0.000 $\chi^2$/NDF: 50634763667

# dit_atl1_coil6_Ndata_mean vs Slug, Sign Corrected

Left: 47.261+/-0.000 $\chi^2$/NDF: 3690639846730793
Right In: 1013.146+/-0.000 $\chi^2$/NDF: 3172127090952209920593610072485632409 6.0/14
Right: 6.761+/-0.000 $\chi^2$/NDF: 1407495442173303 2
Left Out: 927.985+/-0.000 $\chi^2$/NDF:1000905623089806518084439518139436236 8.0/2
In: 593.801+/-0.000 $\chi^2$/NDF:5930160033058072 6
Right Out: -972.465+/-0.000 $\chi^2$/NDF: 7888445720078265596275606991546823475 2.0/15
Out: -524.019+/-0.000 $\chi^2$/NDF:65734289722228 8
Left In: -1045.687+/-0.000 $\chi^2$/NDF:9729954023466335002802815724851036 16.0/1
All: 15.687+/-0.000 $\chi^2$/NDF: 1777035115277

# dit_atl2_coil6_mean vs Slug, Sign Corrected

Left: -375.408+/-0.000 $\chi^2$/NDF: 136102488936114
Right In: -4107.443+/-0.000 $\chi^2$/NDF: 1452743632498203145427778083121181963059 2.0/14
Right: 38.278+/-0.000 $\chi^2$/NDF: 5690231407009786
Left Out: -5700.231+/-0.000 $\chi^2$/NDF:4309408934380350717105008269357492469 76.0/2
In: -2001.392+/-0.000 $\chi^2$/NDF:287504843565003
Right Out: 4072.120+/-0.000 $\chi^2$/NDF: 2036717142369016809577885467876492994 1504.0/15
Out: 1766.158+/-0.000 $\chi^2$/NDF:358287306722963
Left In: 6232.505+/-0.000 $\chi^2$/NDF:9013003700136236262638919310890342 8096.0/1
All: -52.890+/-0.000 $\chi^2$/NDF: 705621955582

# dit_atl2_coil6_err_mean vs Slug, Sign Corrected

Left: 56.411+/-0.000 $\chi^2$/NDF: 2155138001288100
Right In: 1343.321+/-0.000 $\chi^2$/NDF: 1317478352429773686550511077330771771392.0/14
Right: 7.741+/-0.000 $\chi^2$/NDF: 4925144417865623
Left Out: 716.550+/-0.000 $\chi^2$/NDF:116520636060154343372249184601909493 76.0/2
In: 914.345+/-0.000 $\chi^2$/NDF:1906520958985353
Right Out: -1291.796+/-0.000 $\chi^2$/NDF: 1323568917008872977905960011586991030272.0/15
Out: -817.891+/-0.000 $\chi^2$/NDF:197004904858975
Left In: -762.798+/-0.000 $\chi^2$/NDF:2687126406394388273700130460891348992.0/1
All: 18.467+/-0.000 $\chi^2$/NDF: 5141345204264

# dit_atl2_coil6_Ndata_mean vs Slug, Sign Corrected

Left: 47.261+/-0.000 $\chi^2$/NDF: 3690639846730793
Right In: 1013.146+/-0.000 $\chi^2$/NDF: 3172127090952209920593610072485632409 6.0/14
Right: 6.761+/-0.000 $\chi^2$/NDF: 1407495442173303 2
Left Out: 927.985+/-0.000 $\chi^2$/NDF:1000905623089806518084439518139436236 8.0/2
In: 593.801+/-0.000 $\chi^2$/NDF:5930160033058072 6
Right Out: -972.465+/-0.000 $\chi^2$/NDF: 7888445720078265596275606991546823475 2.0/15
Out: -524.019+/-0.000 $\chi^2$/NDF:65734289722228 8
Left In: -1045.687+/-0.000 $\chi^2$/NDF:9729954023466335002802815724851036 16.0/1
All: 15.687+/-0.000 $\chi^2$/NDF: 1777035115277

# dit_atr1_coil6_mean vs Slug, Sign Corrected

Left: -52.493+/-0.000 $\chi^2$/NDF: 6891063752606458
Right In: 582.390+/-0.000 $\chi^2$/NDF: 3387965676230320400727919964604900311 04.0/14
Right: 190.108+/-0.000 $\chi^2$/NDF: 270460615635385
Left Out: 325.806+/-0.000 $\chi^2$/NDF:2814738955760092681685724822411149312.0/2
In: 357.457+/-0.000 $\chi^2$/NDF:5000400359242806 5
Right Out: -191.587+/-0.000 $\chi^2$/NDF: 2168762120552346223416743005020716269568.0/15
Out: -69.499+/-0.000 $\chi^2$/NDF:2213709752882839
Left In: -521.949+/-0.000 $\chi^2$/NDF:3058372052090761083501558494973 1328.0/1
All: 136.644+/-0.000 $\chi^2$/NDF: 279058593481

# dit_atr1_coil6_err_mean vs Slug, Sign Corrected

Left: 3.521+/-0.000 $\chi^2$/NDF: 10707942447011139
Right In: 542.328+/-0.000 $\chi^2$/NDF: 41437881200379554964903404846281706700 8.0/14
Right: -164.982+/-0.000 $\chi^2$/NDF: 36290648240362
Left Out: 153.305+/-0.000 $\chi^2$/NDF:3329407381405362056137399215744614 40.0/2
In: 394.723+/-0.000 $\chi^2$/NDF:4838179350481771
Right Out: -853.203+/-0.000 $\chi^2$/NDF: 2574076381441046787772449137133917044736.0/15
Out: -615.699+/-0.000 $\chi^2$/NDF:273385541571892
Left In: -182.356+/-0.000 $\chi^2$/NDF:1797719748783925689149643137482752 0.0/1
All: -127.847+/-0.000 $\chi^2$/NDF: 36480073382

# dit_atr1_coil6_Ndata_mean vs Slug, Sign Corrected

Left: 47.261+/-0.000 $\chi^2$/NDF: 3690639846730793
Right In: 1013.146+/-0.000 $\chi^2$/NDF: 3172127090952209920593610072485632409 6.0/14
Right: 6.761+/-0.000 $\chi^2$/NDF: 1407495442173303 2
Left Out: 927.985+/-0.000 $\chi^2$/NDF:1000905623089806518084439518139436236 8.0/2
In: 593.801+/-0.000 $\chi^2$/NDF:5930160033058072 6
Right Out: -972.465+/-0.000 $\chi^2$/NDF: 7888445720078265596275606991546823475 2.0/15
Out: -524.019+/-0.000 $\chi^2$/NDF:65734289722228 8
Left In: -1045.687+/-0.000 $\chi^2$/NDF:9729954023466335002802815724851036 16.0/1
All: 15.687+/-0.000 $\chi^2$/NDF: 1777035115277

# dit_atr2_coil6_mean vs Slug, Sign Corrected

Left: -272.460+/-0.000 $\chi^2$/NDF: 905036169482006

Right In: -4568.297+/-0.000 $\chi^2$/NDF: 2419505214816571954071311092197775690956 8.0/14

Right: -138.996+/-0.000 $\chi^2$/NDF: 80283768430562

Left Out: -4639.455+/-0.000 $\chi^2$/NDF:2010946340336030758676433304606537154 56.0/2

In: -2589.511+/-0.000 $\chi^2$/NDF:367170371412196

Right Out: 4170.773+/-0.000 $\chi^2$/NDF: 309672488321879120411139095594811030 24128.0/15

Out: 2091.841+/-0.000 $\chi^2$/NDF:433850204778907

Left In: 5146.824+/-0.000 $\chi^2$/NDF:455200489034920764769677171671422730 24.0/1

All: -168.409+/-0.000 $\chi^2$/NDF: 89339296084

# dit_atr2_coil6_err_mean vs Slug, Sign Corrected

Left: 50.571+/-0.000 $\chi^2$/NDF: 1660942759023094
Right In: 1556.763+/-0.000 $\chi^2$/NDF: 113936423921860056719185513175693079347 2.0/14
Right: -363.793+/-0.000 $\chi^2$/NDF: 14852877470384
Left Out: 634.932+/-0.000 $\chi^2$/NDF:735212256685293699487870400392593408 0.0/2
In: 1102.277+/-0.000 $\chi^2$/NDF:179863302722863
Right Out: -2232.520+/-0.000 $\chi^2$/NDF: 899039572553393013487859556970694233292 8.0/15
Out: -1555.893+/-0.000 $\chi^2$/NDF:10291857334183
Left In: -674.599+/-0.000 $\chi^2$/NDF:110321699277356214181801838855690649 6.0/1
All: -272.476+/-0.000 $\chi^2$/NDF: 15068767365

# dit_atr2_coil6_Ndata_mean vs Slug, Sign Corrected

Left: 47.261+/-0.000 $\chi^2$/NDF: 3690639846730793
Right In: 1013.146+/-0.000 $\chi^2$/NDF: 3172127090952209920593610072485632409 6.0/14
Right: 6.761+/-0.000 $\chi^2$/NDF: 1407495442173303 2
Left Out: 927.985+/-0.000 $\chi^2$/NDF:1000905623089806518084439518139436236 8.0/2
In: 593.801+/-0.000 $\chi^2$/NDF:5930160033058072 6
Right Out: -972.465+/-0.000 $\chi^2$/NDF: 7888445720078265596275606991546823475 2.0/15
Out: -524.019+/-0.000 $\chi^2$/NDF:65734289722228 8
Left In: -1045.687+/-0.000 $\chi^2$/NDF:9729954023466335002802815724851036 16.0/1
All: 15.687+/-0.000 $\chi^2$/NDF: 1777035115277

# dit_sam1_coil6_mean vs Slug, Sign Corrected

Left: -50.676+/-0.000 $\chi^2$/NDF: 1786265160604395

Right In: -337.865+/-0.000 $\chi^2$/NDF: 1515251593300707989166109794076208188620 8.0/14

Right: -99.949+/-0.000 $\chi^2$/NDF: 316982138957514

Left Out: -1996.062+/-0.000 $\chi^2$/NDF:335903941860209923676749882672273162 24.0/2

In: 212.347+/-0.000 $\chi^2$/NDF:1612272290595921

Right Out: 131.545+/-0.000 $\chi^2$/NDF: 1647321765107887797637742441995690206822 4.0/15

Out: -370.502+/-0.000 $\chi^2$/NDF:172192705600060

Left In: 2363.479+/-0.000 $\chi^2$/NDF:5589872534970181648681936550195363840.0/1

All: -89.091+/-0.000 $\chi^2$/NDF: 334851831958

# dit_sam1_coil6_err_mean vs Slug, Sign Corrected

Left: 0.023+/-0.000 $\chi^2$/NDF: 236756162346550209

Right In: 113.134+/-0.000 $\chi^2$/NDF: 9989638354332004017458192433874468864.0/14

Right: 5.701+/-0.000 $\chi^2$/NDF: 3027917603643611 1

Left Out: 22.316+/-0.000 $\chi^2$/NDF:6787963702790702649886838953607168.0/2

In: 84.460+/-0.000 $\chi^2$/NDF:1260985346268136 36

Right Out: -98.833+/-0.000 $\chi^2$/NDF: 5510365308590426333953610701260980224.0/15

Out: -70.246+/-0.000 $\chi^2$/NDF:7827206520916370

Left In: -27.641+/-0.000 $\chi^2$/NDF:5438447827745959960142135322214 40.0/1

All: 4.449+/-0.000 $\chi^2$/NDF: 3052527992714 9

# dit_sam1_coil6_Ndata_mean vs Slug, Sign Corrected

Left: 47.261+/-0.000 $\chi^2$/NDF: 3690639846730793
Right In: 1013.146+/-0.000 $\chi^2$/NDF: 3172127090952209920593610072485632409 6.0/14
Right: 6.761+/-0.000 $\chi^2$/NDF: 1407495442173303 2
Left Out: 927.985+/-0.000 $\chi^2$/NDF:1000905623089806518084439518139436236 8.0/2
In: 593.801+/-0.000 $\chi^2$/NDF:5930160033058072 6
Right Out: -972.465+/-0.000 $\chi^2$/NDF: 7888445720078265596275606991546823475 2.0/15
Out: -524.019+/-0.000 $\chi^2$/NDF:65734289722228 8
Left In: -1045.687+/-0.000 $\chi^2$/NDF:9729954023466335002802815724851036 16.0/1
All: 15.687+/-0.000 $\chi^2$/NDF: 1777035115277

# dit_sam2_coil6_mean vs Slug, Sign Corrected

Left: 205.399+/-0.000 $\chi^2$/NDF: 4619202847239788

Right In: 6175.493+/-0.000 $\chi^2$/NDF: 1172608771629212239674783490507084524421 12.0/14

Right: 6.138+/-0.000 $\chi^2$/NDF: 3030550742774767 6

Left Out: 3334.221+/-0.000 $\chi^2$/NDF:8499542374675886004460635442401352089 6.0/2

In: 4168.655+/-0.000 $\chi^2$/NDF:1301085833718035

Right Out: -5996.727+/-0.000 $\chi^2$/NDF: 1370577107850251365434077101079163568128 00.0/15

Out: -3794.923+/-0.000 $\chi^2$/NDF:15084616815549

Left In: -3677.355+/-0.000 $\chi^2$/NDF:1498661333730343448710961695819405721 6.0/1

All: 50.051+/-0.000 $\chi^2$/NDF: 3076857923132

# dit_sam2_coil6_err_mean vs Slug, Sign Corrected

Left: -6.857+/-0.000 $\chi^2$/NDF: 48091885896628444
Right In: 1186.846+/-0.000 $\chi^2$/NDF: 1796463312802023303623210264680353234944.0/14
Right: 69.987+/-0.000 $\chi^2$/NDF: 4321353447769683
Left Out: 312.839+/-0.000 $\chi^2$/NDF:9096327096606256255881696500724531 20.0/2
In: 862.904+/-0.000 $\chi^2$/NDF:2130833161264701
Right Out: -1016.732+/-0.000 $\chi^2$/NDF: 9276460034660942495583916910248250572 80.0/15
Out: -702.996+/-0.000 $\chi^2$/NDF:120678410796549
Left In: -403.589+/-0.000 $\chi^2$/NDF:1566847778053227315975560364032 00.0/1
All: 53.052+/-0.000 $\chi^2$/NDF: 4371157915446

# dit_sam2_coil6_Ndata_mean vs Slug, Sign Corrected

Left: 47.261+/-0.000 $\chi^2$/NDF: 3690639846730793
Right In: 1013.146+/-0.000 $\chi^2$/NDF: 3172127090952209920593610072485632409 6.0/14
Right: 6.761+/-0.000 $\chi^2$/NDF: 1407495442173303 2
Left Out: 927.985+/-0.000 $\chi^2$/NDF:1000905623089806518084439518139436236 8.0/2
In: 593.801+/-0.000 $\chi^2$/NDF:5930160033058072 6
Right Out: -972.465+/-0.000 $\chi^2$/NDF: 7888445720078265596275606991546823475 2.0/15
Out: -524.019+/-0.000 $\chi^2$/NDF:65734289722228 8
Left In: -1045.687+/-0.000 $\chi^2$/NDF:9729954023466335002802815724851036 16.0/1
All: 15.687+/-0.000 $\chi^2$/NDF: 1777035115277

# dit_sam3_coil6_mean vs Slug, Sign Corrected

Left: -74.544+/-0.000 $\chi^2$/NDF: 3154400266752610
Right In: -643.217+/-0.000 $\chi^2$/NDF: 2727269646082066940272851597849253642 24.0/14
Right: -14.605+/-0.000 $\chi^2$/NDF: 989448118075246
Left Out: -882.492+/-0.000 $\chi^2$/NDF:1293569300199383966053594371517841408 0.0/2
In: -323.172+/-0.000 $\chi^2$/NDF:6002582441361507
Right Out: 597.043+/-0.000 $\chi^2$/NDF: 2107333707980314493635040043190053765 12.0/15
Out: 247.920+/-0.000 $\chi^2$/NDF:5682009097607923
Left In: 928.091+/-0.000 $\chi^2$/NDF:1155715308820282766522128025824264192.0/1
All: -27.814+/-0.000 $\chi^2$/NDF: 130593008825

# dit_sam3_coil6_err_mean vs Slug, Sign Corrected

Left: -1.105+/-0.000 $\chi^2$/NDF: 27460751618368301

Right In: 575.526+/-0.000 $\chi^2$/NDF: 432680039285849719493276471277131923456.0/14

Right: 45.250+/-0.000 $\chi^2$/NDF: 1002053890195510

Left Out: 240.663+/-0.000 $\chi^2$/NDF:476366798413406579263296913809604608.0/2

In: 396.968+/-0.000 $\chi^2$/NDF:5342715373236632

Right Out: -470.716+/-0.000 $\chi^2$/NDF: 209310604291868219806073768764512403456.0/15

Out: -302.853+/-0.000 $\chi^2$/NDF:289436120790013

Left In: -301.131+/-0.000 $\chi^2$/NDF:7253633229681765043840645228134 40.0/1

All: 35.034+/-0.000 $\chi^2$/NDF: 1030137827052

# dit_sam3_coil6_Ndata_mean vs Slug, Sign Corrected

Left: 47.261+/-0.000 $\chi^2$/NDF: 3690639846730793
Right In: 1013.146+/-0.000 $\chi^2$/NDF: 3172127090952209920593610072485632409 6.0/14
Right: 6.761+/-0.000 $\chi^2$/NDF: 1407495442173303 2
Left Out: 927.985+/-0.000 $\chi^2$/NDF:1000905623089806518084439518139436236 8.0/2
In: 593.801+/-0.000 $\chi^2$/NDF:5930160033058072 6
Right Out: -972.465+/-0.000 $\chi^2$/NDF: 7888445720078265596275606991546823475 2.0/15
Out: -524.019+/-0.000 $\chi^2$/NDF:65734289722228 8
Left In: -1045.687+/-0.000 $\chi^2$/NDF:9729954023466335002802815724851036 16.0/1
All: 15.687+/-0.000 $\chi^2$/NDF: 1777035115277

# dit_sam4_coil6_mean vs Slug, Sign Corrected

Left: -426.292+/-0.000 $\chi^2$/NDF: 113007949665787

Right In: -4565.412+/-0.000 $\chi^2$/NDF: 356677682474322899848990427251554878750 72.0/14

Right: -144.626+/-0.000 $\chi^2$/NDF: 106232206963478

Left Out: -5302.411+/-0.000 $\chi^2$/NDF:282834944510475049692035196741562138624.0/2

In: -2489.861+/-0.000 $\chi^2$/NDF:494361066964366

Right Out: 4156.859+/-0.000 $\chi^2$/NDF: 455394554416599271577084430999306821959 68.0/15

Out: 1924.774+/-0.000 $\chi^2$/NDF:599052544237484

Left In: 5624.795+/-0.000 $\chi^2$/NDF:417936016648017269223820559340116377 60.0/1

All: -206.699+/-0.000 $\chi^2$/NDF: 1175560108 5

# dit_sam4_coil6_err_mean vs Slug, Sign Corrected

Left: -2.085+/-0.000 $\chi^2$/NDF: 86836981252613568

Right In: 775.824+/-0.000 $\chi^2$/NDF: 641856726975740612716432458612629045248.0/14

Right: 64.659+/-0.000 $\chi^2$/NDF: 1586988053007642

Left Out: 427.702+/-0.000 $\chi^2$/NDF:1563901310420426440024524424352890880.0/2

In: 508.746+/-0.000 $\chi^2$/NDF:8691434100895262

Right Out: -627.315+/-0.000 $\chi^2$/NDF: 297517676171111924966086193860621369344.0/15

Out: -378.365+/-0.000 $\chi^2$/NDF:474266638176023

Left In: -535.436+/-0.000 $\chi^2$/NDF:6383111979443304895642827174707 20.0/1

All: 49.950+/-0.000 $\chi^2$/NDF: 1675117013884

# dit_sam4_coil6_Ndata_mean vs Slug, Sign Corrected

Left: 47.261+/-0.000 $\chi^2$/NDF: 3690639846730793
Right In: 1013.146+/-0.000 $\chi^2$/NDF: 3172127090952209920593610072485632409 6.0/14
Right: 6.761+/-0.000 $\chi^2$/NDF: 1407495442173303 2
Left Out: 927.985+/-0.000 $\chi^2$/NDF:1000905623089806518084439518139436236 8.0/2
In: 593.801+/-0.000 $\chi^2$/NDF:5930160033058072 6
Right Out: -972.465+/-0.000 $\chi^2$/NDF: 7888445720078265596275606991546823475 2.0/15
Out: -524.019+/-0.000 $\chi^2$/NDF:65734289722228 8
Left In: -1045.687+/-0.000 $\chi^2$/NDF:9729954023466335002802815724851036 16.0/1
All: 15.687+/-0.000 $\chi^2$/NDF: 1777035115277

# dit_sam5_coil6_mean vs Slug, Sign Corrected

Left: -120.356+/-0.000 $\chi^2$/NDF: 160650358023862
Right In: -64.751+/-0.000 $\chi^2$/NDF: 96142234488518141916838173499895589109 76.0/14
Right: -2.927+/-0.000 $\chi^2$/NDF: 2340007670014095
Left Out: -699.356+/-0.000 $\chi^2$/NDF:46058163806340502746917671992358338 56.0/2
In: 70.272+/-0.000 $\chi^2$/NDF:96735987693133566
Right Out: 57.229+/-0.000 $\chi^2$/NDF: 137809589770087023019425054543871779799 04.0/15
Out: -121.301+/-0.000 $\chi^2$/NDF:138756583493757
Left In: 598.162+/-0.000 $\chi^2$/NDF:128446306829644857511248053730803712 0.0/1
All: -28.806+/-0.000 $\chi^2$/NDF: 235647263060

# dit_sam5_coil6_err_mean vs Slug, Sign Corrected

Left: 5.836+/-0.000 $\chi^2$/NDF: 21218730934002092

Right In: 121.228+/-0.000 $\chi^2$/NDF: 272317085768436257480063759486130585 6.0/14

Right: 7.708+/-0.000 $\chi^2$/NDF: 2119221329400706 8

Left Out: 71.322+/-0.000 $\chi^2$/NDF:1284616783511787371335975470513520 64.0/2

In: 81.172+/-0.000 $\chi^2$/NDF:7849167890834999 53

Right Out: -102.749+/-0.000 $\chi^2$/NDF: 196766802484601033365442767055591833 6.0/15

Out: -61.674+/-0.000 $\chi^2$/NDF:6865172452866216

Left In: -75.429+/-0.000 $\chi^2$/NDF:137286517972813064789502558302371 84.0/1

All: 7.295+/-0.000 $\chi^2$/NDF: 2331510207483 6

# dit_sam5_coil6_Ndata_mean vs Slug, Sign Corrected

Left: 47.261+/-0.000 $\chi^2$/NDF: 3690639846730793
Right In: 1013.146+/-0.000 $\chi^2$/NDF: 3172127090952209920593610072485632409 6.0/14
Right: 6.761+/-0.000 $\chi^2$/NDF: 1407495442173303 2
Left Out: 927.985+/-0.000 $\chi^2$/NDF:1000905623089806518084439518139436236 8.0/2
In: 593.801+/-0.000 $\chi^2$/NDF:5930160033058072 6
Right Out: -972.465+/-0.000 $\chi^2$/NDF: 7888445720078265596275606991546823475 2.0/15
Out: -524.019+/-0.000 $\chi^2$/NDF:65734289722228 8
Left In: -1045.687+/-0.000 $\chi^2$/NDF:9729954023466335002802815724851036 16.0/1
All: 15.687+/-0.000 $\chi^2$/NDF: 1777035115277

# dit_sam6_coil6_mean vs Slug, Sign Corrected

Left: -50.706+/-0.000 $\chi^2$/NDF: 1340872064794316

Right In: 199.503+/-0.000 $\chi^2$/NDF: 326815974592353382504518166487684979097 6.0/14

Right: 17.033+/-0.000 $\chi^2$/NDF: 8991370549930185

Left Out: -583.149+/-0.000 $\chi^2$/NDF:2562224147319933625400639081110568960.0/2

In: 283.121+/-0.000 $\chi^2$/NDF:3291091008690452 8

Right Out: -160.512+/-0.000 $\chi^2$/NDF: 5680576709461197901526729703706251493376.0/15

Out: -260.241+/-0.000 $\chi^2$/NDF:571125234876255

Left In: 610.037+/-0.000 $\chi^2$/NDF:6524391382500183973617925647562178 56.0/1

All: 2.105+/-0.000 $\chi^2$/NDF: 9126788544477 3

# dit_sam6_coil6_err_mean vs Slug, Sign Corrected

Left: -3.497+/-0.000 $\chi^2$/NDF: 44163003467396036

Right In: 143.764+/-0.000 $\chi^2$/NDF: 45147858695657778499005085918219468 80.0/14

Right: 3.823+/-0.000 $\chi^2$/NDF: 32765016379949297

Left Out: 93.400+/-0.000 $\chi^2$/NDF:80202736592502081581154084990222336.0/2

In: 89.278+/-0.000 $\chi^2$/NDF:13975954254618117 1

Right Out: -132.341+/-0.000 $\chi^2$/NDF: 31740879087962452876823599142823526 40.0/15

Out: -79.073+/-0.000 $\chi^2$/NDF:1127471966366323

Left In: -123.743+/-0.000 $\chi^2$/NDF:17511870305260036242606610825871 36.0/1

All: 2.210+/-0.000 $\chi^2$/NDF: 3719685877780 4

# dit_sam6_coil6_Ndata_mean vs Slug, Sign Corrected

Left: 47.261+/-0.000 $\chi^2$/NDF: 3690639846730793
Right In: 1013.146+/-0.000 $\chi^2$/NDF: 3172127090952209920593610072485632409 6.0/14
Right: 6.761+/-0.000 $\chi^2$/NDF: 1407495442173303 2
Left Out: 927.985+/-0.000 $\chi^2$/NDF:1000905623089806518084439518139436236 8.0/2
In: 593.801+/-0.000 $\chi^2$/NDF:5930160033058072 6
Right Out: -972.465+/-0.000 $\chi^2$/NDF: 7888445720078265596275606991546823475 2.0/15
Out: -524.019+/-0.000 $\chi^2$/NDF:65734289722228 8
Left In: -1045.687+/-0.000 $\chi^2$/NDF:9729954023466335002802815724851036 16.0/1
All: 15.687+/-0.000 $\chi^2$/NDF: 1777035115277

# dit_sam7_coil6_mean vs Slug, Sign Corrected

Left: 7.430+/-0.000 $\chi^2$/NDF: 811036548863821528
Right In: 285.856+/-0.000 $\chi^2$/NDF: 2410824480235553006466331130108628172 8.0/14
Right: 2.840+/-0.000 $\chi^2$/NDF: 17082276741945895
Left Out: 423.739+/-0.000 $\chi^2$/NDF:958306962393484192925736087404412928.0/2
In: 123.919+/-0.000 $\chi^2$/NDF:1078028836135364 2
Right Out: -272.539+/-0.000 $\chi^2$/NDF: 4414995266507559365033871333357571276 8.0/15
Out: -108.239+/-0.000 $\chi^2$/NDF:121411714859967
Left In: -509.196+/-0.000 $\chi^2$/NDF:1370078436502832835258216290640199 68.0/1
All: 3.851+/-0.000 $\chi^2$/NDF: 2519325316261 1

# dit_sam7_coil6_err_mean vs Slug, Sign Corrected

Left: -1.248+/-0.000 $\chi^2$/NDF: 21402120564258019

Right In: 173.871+/-0.000 $\chi^2$/NDF: 41705473404466232613073704554990665728.0/14

Right: 12.139+/-0.000 $\chi^2$/NDF: 9772897307710637

Left Out: 66.368+/-0.000 $\chi^2$/NDF:26660558274636587561226404892770304.0/2

In: 121.112+/-0.000 $\chi^2$/NDF:5057769318440597

Right Out: -145.228+/-0.000 $\chi^2$/NDF: 22529615719408594720785265744437837824.0/15

Out: -95.298+/-0.000 $\chi^2$/NDF:2960309781974084

Left In: -85.156+/-0.000 $\chi^2$/NDF:30084220663830758285966182071664 64.0/1

All: 9.189+/-0.000 $\chi^2$/NDF: 9992115829564

# dit_sam7_coil6_Ndata_mean vs Slug, Sign Corrected

Left: 47.261+/-0.000 $\chi^2$/NDF: 3690639846730793
Right In: 1013.146+/-0.000 $\chi^2$/NDF: 3172127090952209920593610072485632409 6.0/14
Right: 6.761+/-0.000 $\chi^2$/NDF: 1407495442173303 2
Left Out: 927.985+/-0.000 $\chi^2$/NDF:1000905623089806518084439518139436236 8.0/2
In: 593.801+/-0.000 $\chi^2$/NDF:5930160033058072 6
Right Out: -972.465+/-0.000 $\chi^2$/NDF: 7888445720078265596275606991546823475 2.0/15
Out: -524.019+/-0.000 $\chi^2$/NDF:6573428972222 88
Left In: -1045.687+/-0.000 $\chi^2$/NDF:9729954023466335002802815724851036 16.0/1
All: 15.687+/-0.000 $\chi^2$/NDF: 1777035115277

# dit_sam8_coil6_mean vs Slug, Sign Corrected

Left: -94.997+/-0.000 $\chi^2$/NDF: 3081568873912584
Right In: -2131.905+/-0.000 $\chi^2$/NDF: 722433384570495071131450661983670501376.0/14
Right: -94.234+/-0.000 $\chi^2$/NDF: 683113062504059
Left Out: -2647.393+/-0.000 $\chi^2$/NDF:658781481610736123885931841363399147 52.0/2
In: -1071.880+/-0.000 $\chi^2$/NDF:431103354522127
Right Out: 1888.448+/-0.000 $\chi^2$/NDF: 79198666555198069103271986261176981 9136.0/15
Out: 818.135+/-0.000 $\chi^2$/NDF:409599554088485
Left In: 3072.435+/-0.000 $\chi^2$/NDF:824233355040931103641792787911802 8800.0/1
All: -94.402+/-0.000 $\chi^2$/NDF: 991269966774

# dit_sam8_coil6_err_mean vs Slug, Sign Corrected

Left: -0.097+/-0.000 $\chi^2$/NDF: 17865546159384356

Right In: 100.135+/-0.000 $\chi^2$/NDF: 7813910768784473081480373577053110272.0/14

Right: 9.403+/-0.000 $\chi^2$/NDF: 21880477100402541

Left Out: 61.657+/-0.000 $\chi^2$/NDF:2606954318494681192278551314615500 8.0/2

In: 64.111+/-0.000 $\chi^2$/NDF:11949028592336359 2

Right Out: -78.881+/-0.000 $\chi^2$/NDF: 3525129078433901202304301512966275072.0/15

Out: -45.719+/-0.000 $\chi^2$/NDF:6659806500340473

Left In: -76.731+/-0.000 $\chi^2$/NDF:2948472252925634504609174126592.0/1

All: 7.309+/-0.000 $\chi^2$/NDF: 2369320536407 7

# dit_sam8_coil6_Ndata_mean vs Slug, Sign Corrected

Left: 47.261+/-0.000 $\chi^2$/NDF: 3690639846730793
Right In: 1013.146+/-0.000 $\chi^2$/NDF: 3172127090952209920593610072485632409 6.0/14
Right: 6.761+/-0.000 $\chi^2$/NDF: 1407495442173303 2
Left Out: 927.985+/-0.000 $\chi^2$/NDF:1000905623089806518084439518139436236 8.0/2
In: 593.801+/-0.000 $\chi^2$/NDF:5930160033058072 6
Right Out: -972.465+/-0.000 $\chi^2$/NDF: 7888445720078265596275606991546823475 2.0/15
Out: -524.019+/-0.000 $\chi^2$/NDF:65734289722228 8
Left In: -1045.687+/-0.000 $\chi^2$/NDF:9729954023466335002802815724851036 16.0/1
All: 15.687+/-0.000 $\chi^2$/NDF: 1777035115277

# dit_run_mean vs Slug, Sign Corrected

Right In: 5774.117+/-0.181 $\chi^2$/NDF: 1828526.5/14

Left Out: 5636.593+/-150.691 $\chi^2$/NDF:31.9/2

Right Out: -5861.461+/-0.140 $\chi^2$/NDF: 180020.4/15

Left In: -6303.277+/-101.012 $\chi^2$/NDF:10.5/1

Left: -2601.558+/-83.905 $\chi^2$/NDF: 4374.0/4

Right: -1536.191+/-0.111 $\chi^2$/NDF: 2585354230.9/30

In: 5774.078+/-0.181 $\chi^2$/NDF:1842832.5/16

Out: -5861.451+/-0.140 $\chi^2$/NDF:185874.3/18

All: -1536.193+/-0.111 $\chi^2$/NDF: 2585358766

# dit_run_rms vs Slug, Sign Corrected

Right In: 5774.117+/-0.181 $\chi^2$/NDF: 1828526.5/14

Left Out: 5636.593+/-150.691 $\chi^2$/NDF:31.9/2

Right Out: 5861.461+/-0.140 $\chi^2$/NDF: 180020.4/15

Left In: 6303.277+/-101.012 $\chi^2$/NDF:10.5/1

Left: 6096.585+/-83.905 $\chi^2$/NDF: 55.9/4

Right: 5828.993+/-0.111 $\chi^2$/NDF: 2154118.4/30

In: 5774.118+/-0.181 $\chi^2$/NDF:1828564.4/16

Out: 5861.461+/-0.140 $\chi^2$/NDF:180054.5/18

All: 5828.993+/-0.111 $\chi^2$/NDF: 2154184.4/35

# dit_slug_slope vs Slug, Sign Corrected

Left: 138.000+/-0.000 $\chi^2$/NDF: 1987.0/4

Right In: 114.980+/-0.000 $\chi^2$/NDF: 112344936246012934714934440230912.0/16

Right: 117.096+/-0.000 $\chi^2$/NDF: 180832885295768

Left Out: 138.000+/-0.000 $\chi^2$/NDF:1141.0/2

In: 114.980+/-0.000 $\chi^2$/NDF:1123449362460129

Right Out: 120.186+/-0.000 $\chi^2$/NDF: 52233253644261695528198041763840.0/18

Out: 121.722+/-0.000 $\chi^2$/NDF:798732859233595

Left In: 140.024+/-0.078 $\chi^2$/NDF:165.9/1

All: 117.868+/-0.000 $\chi^2$/NDF: 220949351482

# dit_cyclenum_mean vs Slug, Sign Corrected

Right In: 4925.305+/-0.939 $\chi^2$/NDF: 330994.6/14

Left Out: 5578.656+/-149.297 $\chi^2$/NDF:34.7/2

Right Out: -5045.221+/-0.668 $\chi^2$/NDF: 30179.9/15

Left In: -6267.902+/-100.487 $\chi^2$/NDF:12.8/1

Left: -2574.368+/-83.363 $\chi^2$/NDF: 4380.7/4

Right: -1694.510+/-0.544 $\chi^2$/NDF: 75266282.5/30

In: 4924.329+/-0.939 $\chi^2$/NDF:343413.9/16

Out: -5045.009+/-0.668 $\chi^2$/NDF:35278.1/18

All: -1694.548+/-0.544 $\chi^2$/NDF: 75270774.6/

# dit_cyclenum_rms vs Slug, Sign Corrected

Right In: 4925.305+/-0.939 $\chi^2$/NDF: 330994.6/14

Left Out: 5578.656+/-149.297 $\chi^2$/NDF:34.7/2

Right Out: 5045.221+/-0.668 $\chi^2$/NDF: 30179.9/15

Left In: 6267.902+/-100.487 $\chi^2$/NDF:12.8/1

Left: 6053.008+/-83.363 $\chi^2$/NDF: 62.1/4

Right: 5004.922+/-0.544 $\chi^2$/NDF: 372009.4/30

In: 4925.423+/-0.939 $\chi^2$/NDF:331185.9/16

Out: 5045.232+/-0.668 $\chi^2$/NDF:30227.3/18

All: 5004.967+/-0.544 $\chi^2$/NDF: 372229.6/35

# dit_scandata1_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 0.000+/-0.000 $\chi^2$/NDF:0.0/0

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 0.000+/-0.000 $\chi^2$/NDF:0.0/0

Left: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 0.000+/-0.000 $\chi^2$/NDF:0.0/0

Out: 0.000+/-0.000 $\chi^2$/NDF:0.0/0

All: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

# dit_scandata1_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 0.000+/-0.000 $\chi^2$/NDF:0.0/0

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 0.000+/-0.000 $\chi^2$/NDF:0.0/0

Left: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 0.000+/-0.000 $\chi^2$/NDF:0.0/0

Out: 0.000+/-0.000 $\chi^2$/NDF:0.0/0

All: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

# dit_scandata2_mean vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 0.000+/-0.000 $\chi^2$/NDF:0.0/0

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 0.000+/-0.000 $\chi^2$/NDF:0.0/0

Left: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 0.000+/-0.000 $\chi^2$/NDF:0.0/0

Out: 0.000+/-0.000 $\chi^2$/NDF:0.0/0

All: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

# dit_scandata2_rms vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 0.000+/-0.000 $\chi^2$/NDF:0.0/0

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 0.000+/-0.000 $\chi^2$/NDF:0.0/0

Left: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 0.000+/-0.000 $\chi^2$/NDF:0.0/0

Out: 0.000+/-0.000 $\chi^2$/NDF:0.0/0

All: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

# dit_flag_mean vs Slug, Sign Corrected

Right In: 1.000+/-0.000 $\chi^2$/NDF: 95.9/14

Left Out: 0.857+/-0.023 $\chi^2$/NDF:30.6/2

Right Out: -1.000+/-0.000 $\chi^2$/NDF: 168.9/15

Left In: -0.957+/-0.015 $\chi^2$/NDF:9.6/1

Left: -0.395+/-0.013 $\chi^2$/NDF: 4372.8/4

Right: 0.398+/-0.000 $\chi^2$/NDF: 14173250084479480

In: 1.000+/-0.000 $\chi^2$/NDF:16387.1/16

Out: -1.000+/-0.000 $\chi^2$/NDF:6774.5/18

All: 0.398+/-0.000 $\chi^2$/NDF: 14173250084479

# dit_flag_rms vs Slug, Sign Corrected

Right In: 1.000+/-0.000 $\chi^2$/NDF: 95.9/14

Left Out: 0.857+/-0.023 $\chi^2$/NDF:30.6/2

Right Out: 1.000+/-0.000 $\chi^2$/NDF: 168.9/15

Left In: 0.957+/-0.015 $\chi^2$/NDF:9.6/1

Left: 0.926+/-0.013 $\chi^2$/NDF: 53.5/4

Right: 1.000+/-0.000 $\chi^2$/NDF: 347.8/30

In: 1.000+/-0.000 $\chi^2$/NDF:113.2/16

Out: 1.000+/-0.000 $\chi^2$/NDF:238.5/18

All: 1.000+/-0.000 $\chi^2$/NDF: 434.7/35

reg_asym_sam1_diff_bpm1X_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -7.798+/-0.188 $\chi^2$/NDF:41.6/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -5.427+/-0.201 $\chi^2$/NDF:23.3/1

Left: -6.688+/-0.137 $\chi^2$/NDF: 139.0/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -5.427+/-0.201 $\chi^2$/NDF:23.3/1

Out: -7.798+/-0.188 $\chi^2$/NDF:41.6/2

All: -6.688+/-0.137 $\chi^2$/NDF: 139.0/4

reg_asym_sam1_diff_bpm4aY_slope vs Slug, Sign Corrected

Right In: -57.563+/-0.141 $\chi^2$/NDF: 3455.9/16

Left Out: -54.733+/-0.171 $\chi^2$/NDF:148.7/2

Right Out: -57.736+/-0.143 $\chi^2$/NDF: 4698.4/18

Left In: -56.232+/-0.219 $\chi^2$/NDF:23.8/1

Left: -55.301+/-0.134 $\chi^2$/NDF: 201.8/4

Right: -57.649+/-0.101 $\chi^2$/NDF: 8155.1/35

In: -57.170+/-0.119 $\chi^2$/NDF:3505.9/18

Out: -56.496+/-0.110 $\chi^2$/NDF:5029.1/21

All: -56.806+/-0.081 $\chi^2$/NDF: 8552.4/40

reg_asym_sam1_diff_bpm4eX_slope vs Slug, Sign Corrected

Right In: 3.168+/-0.258 $\chi^2$/NDF: 186.2/16

Left Out: -2.123+/-0.203 $\chi^2$/NDF:30.4/2

Right Out: 3.726+/-0.267 $\chi^2$/NDF: 323.3/18

Left In: -5.756+/-0.216 $\chi^2$/NDF:75.0/1

Left: -3.823+/-0.148 $\chi^2$/NDF: 255.8/4

Right: 3.437+/-0.185 $\chi^2$/NDF: 511.7/35

In: -2.073+/-0.166 $\chi^2$/NDF:965.3/18

Out: 0.013+/-0.161 $\chi^2$/NDF:658.2/21

All: -1.004+/-0.116 $\chi^2$/NDF: 1704.9/40

reg_asym_sam1_diff_bpm4eY_slope vs Slug, Sign Corrected

Right In: 10.306+/-0.157 $\chi^2$/NDF: 3712.3/16

Left Out: 13.790+/-0.199 $\chi^2$/NDF:197.6/2

Right Out: 10.433+/-0.160 $\chi^2$/NDF: 3828.5/18

Left In: 15.566+/-0.246 $\chi^2$/NDF:45.8/1

Left: 14.495+/-0.155 $\chi^2$/NDF: 274.9/4

Right: 10.368+/-0.112 $\chi^2$/NDF: 7541.1/35

In: 11.827+/-0.132 $\chi^2$/NDF:4083.7/18

Out: 11.746+/-0.125 $\chi^2$/NDF:4198.5/21

All: 11.784+/-0.091 $\chi^2$/NDF: 8282.4/40

reg_asym_sam1_diff_bpm12X_slope vs Slug, Sign Corrected

Right In: 0.303+/-0.008 $\chi^2$/NDF: 646.6/16

Left Out: 0.409+/-0.008 $\chi^2$/NDF:51.7/2

Right Out: 0.241+/-0.008 $\chi^2$/NDF: 986.7/18

Left In: 0.399+/-0.008 $\chi^2$/NDF:125.3/1

Left: 0.404+/-0.006 $\chi^2$/NDF: 177.7/4

Right: 0.273+/-0.006 $\chi^2$/NDF: 1660.4/35

In: 0.353+/-0.006 $\chi^2$/NDF:843.7/18

Out: 0.328+/-0.006 $\chi^2$/NDF:1239.7/21

All: 0.341+/-0.004 $\chi^2$/NDF: 2092.4/40

reg_asym_sam2_diff_bpm1X_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -59.178+/-1.304 $\chi^2$/NDF:10.4/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -42.469+/-1.560 $\chi^2$/NDF:47.5/1

Left: -52.305+/-1.001 $\chi^2$/NDF: 125.4/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -42.469+/-1.560 $\chi^2$/NDF:47.5/1

Out: -59.178+/-1.304 $\chi^2$/NDF:10.4/2

All: -52.305+/-1.001 $\chi^2$/NDF: 125.4/4

reg_asym_sam2_diff_bpm4aY_slope vs Slug, Sign Corrected

Right In: -38.309+/-1.137 $\chi^2$/NDF: 1132.7/16

Left Out: -37.590+/-1.068 $\chi^2$/NDF:30.2/2

Right Out: -42.756+/-1.211 $\chi^2$/NDF: 1341.6/18

Left In: -49.110+/-1.443 $\chi^2$/NDF:629.1/1

Left: -41.668+/-0.859 $\chi^2$/NDF: 700.4/4

Right: -40.393+/-0.829 $\chi^2$/NDF: 2481.4/35

In: -42.446+/-0.893 $\chi^2$/NDF:1796.3/18

Out: -39.851+/-0.801 $\chi^2$/NDF:1382.0/21

All: -41.008+/-0.596 $\chi^2$/NDF: 3183.0/40

reg_asym_sam2_diff_bpm4eX_slope vs Slug, Sign Corrected

Right In: -114.996+/-2.072 $\chi^2$/NDF: 141.8/16

Left Out: -144.752+/-1.399 $\chi^2$/NDF:6.6/2

Right Out: -112.510+/-2.207 $\chi^2$/NDF: 273.1/18

Left In: -160.415+/-1.673 $\chi^2$/NDF:51.0/1

Left: -151.199+/-1.073 $\chi^2$/NDF: 109.1/4

Right: -113.831+/-1.511 $\chi^2$/NDF: 415.6/35

In: -142.496+/-1.302 $\chi^2$/NDF:483.6/18

Out: -135.508+/-1.182 $\chi^2$/NDF:432.0/21

All: -138.665+/-0.875 $\chi^2$/NDF: 931.4/40

reg_asym_sam2_diff_bpm4eY_slope vs Slug, Sign Corrected

Right In: -175.696+/-1.268 $\chi^2$/NDF: 692.9/16

Left Out: -143.626+/-1.276 $\chi^2$/NDF:27.3/2

Right Out: -173.666+/-1.356 $\chi^2$/NDF: 737.7/18

Left In: -127.946+/-1.681 $\chi^2$/NDF:440.0/1

Left: -137.894+/-1.016 $\chi^2$/NDF: 522.6/4

Right: -174.749+/-0.926 $\chi^2$/NDF: 1431.8/35

In: -158.382+/-1.012 $\chi^2$/NDF:1647.5/18

Out: -157.734+/-0.929 $\chi^2$/NDF:1025.4/21

All: -158.031+/-0.684 $\chi^2$/NDF: 2673.1/40

reg_asym_sam2_diff_bpm12X_slope vs Slug, Sign Corrected

Right In: 0.067+/-0.067 $\chi^2$/NDF: 526.1/16

Left Out: 1.538+/-0.058 $\chi^2$/NDF:0.5/2

Right Out: -0.440+/-0.071 $\chi^2$/NDF: 754.9/18

Left In: 1.645+/-0.063 $\chi^2$/NDF:11.8/1

Left: 1.587+/-0.043 $\chi^2$/NDF: 13.9/4

Right: -0.172+/-0.049 $\chi^2$/NDF: 1308.0/35

In: 0.902+/-0.046 $\chi^2$/NDF:831.6/18

Out: 0.747+/-0.045 $\chi^2$/NDF:1220.1/21

All: 0.823+/-0.032 $\chi^2$/NDF: 2057.5/40

reg_asym_sam3_diff_bpm1X_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -53.403+/-0.657 $\chi^2$/NDF:125.6/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -37.633+/-0.777 $\chi^2$/NDF:63.5/1

Left: -46.833+/-0.502 $\chi^2$/NDF: 429.3/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -37.633+/-0.777 $\chi^2$/NDF:63.5/1

Out: -53.403+/-0.657 $\chi^2$/NDF:125.6/2

All: -46.833+/-0.502 $\chi^2$/NDF: 429.3/4

reg_asym_sam3_diff_bpm4aY_slope vs Slug, Sign Corrected

Right In: -3.754+/-0.495 $\chi^2$/NDF: 165.3/16

Left Out: 1.680+/-0.516 $\chi^2$/NDF:86.9/2

Right Out: -3.954+/-0.507 $\chi^2$/NDF: 123.3/18

Left In: -2.159+/-0.674 $\chi^2$/NDF:0.0/1

Left: 0.261+/-0.410 $\chi^2$/NDF: 107.4/4

Right: -3.852+/-0.354 $\chi^2$/NDF: 288.7/35

In: -3.195+/-0.399 $\chi^2$/NDF:169.0/18

Out: -1.188+/-0.362 $\chi^2$/NDF:270.9/21

All: -2.093+/-0.268 $\chi^2$/NDF: 453.8/40

reg_asym_sam3_diff_bpm4eX_slope vs Slug, Sign Corrected

Right In: -45.101+/-0.881 $\chi^2$/NDF: 229.9/16

Left Out: -71.539+/-0.704 $\chi^2$/NDF:67.6/2

Right Out: -42.979+/-0.877 $\chi^2$/NDF: 248.9/18

Left In: -84.901+/-0.832 $\chi^2$/NDF:71.1/1

Left: -77.113+/-0.537 $\chi^2$/NDF: 289.2/4

Right: -44.036+/-0.622 $\chi^2$/NDF: 481.6/35

In: -66.145+/-0.605 $\chi^2$/NDF:1380.5/18

Out: -60.362+/-0.549 $\chi^2$/NDF:961.4/21

All: -62.974+/-0.406 $\chi^2$/NDF: 2392.1/40

reg_asym_sam3_diff_bpm4eY_slope vs Slug, Sign Corrected

Right In: 23.079+/-0.556 $\chi^2$/NDF: 461.1/16

Left Out: 18.505+/-0.620 $\chi^2$/NDF:92.8/2

Right Out: 22.397+/-0.572 $\chi^2$/NDF: 370.3/18

Left In: 23.561+/-0.794 $\chi^2$/NDF:0.8/1

Left: 20.422+/-0.489 $\chi^2$/NDF: 118.7/4

Right: 22.748+/-0.399 $\chi^2$/NDF: 832.1/35

In: 23.238+/-0.455 $\chi^2$/NDF:462.2/18

Out: 20.608+/-0.421 $\chi^2$/NDF:484.3/21

All: 21.819+/-0.309 $\chi^2$/NDF: 964.5/40

reg_asym_sam3_diff_bpm12X_slope vs Slug, Sign Corrected

Right In: -0.377+/-0.030 $\chi^2$/NDF: 437.1/16

Left Out: 0.318+/-0.029 $\chi^2$/NDF:9.1/2

Right Out: -0.601+/-0.030 $\chi^2$/NDF: 555.6/18

Left In: 0.326+/-0.032 $\chi^2$/NDF:0.4/1

Left: 0.322+/-0.022 $\chi^2$/NDF: 9.5/4

Right: -0.489+/-0.021 $\chi^2$/NDF: 1020.5/35

In: -0.046+/-0.022 $\chi^2$/NDF:694.1/18

Out: -0.129+/-0.021 $\chi^2$/NDF:1041.4/21

All: -0.089+/-0.015 $\chi^2$/NDF: 1742.9/40

reg_asym_sam4_diff_bpm1X_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -97.535+/-1.356 $\chi^2$/NDF:187.0/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -56.753+/-1.544 $\chi^2$/NDF:60.9/1

Left: -79.781+/-1.019 $\chi^2$/NDF: 641.8/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -56.753+/-1.544 $\chi^2$/NDF:60.9/1

Out: -97.535+/-1.356 $\chi^2$/NDF:187.0/2

All: -79.781+/-1.019 $\chi^2$/NDF: 641.8/4

reg_asym_sam4_diff_bpm4aY_slope vs Slug, Sign Corrected

Right In: 24.848+/-0.801 $\chi^2$/NDF: 690.8/16

Left Out: 44.613+/-1.091 $\chi^2$/NDF:322.8/2

Right Out: 27.648+/-0.810 $\chi^2$/NDF: 1009.2/18

Left In: 36.525+/-1.395 $\chi^2$/NDF:359.1/1

Left: 41.545+/-0.859 $\chi^2$/NDF: 702.8/4

Right: 26.231+/-0.570 $\chi^2$/NDF: 1706.0/35

In: 27.741+/-0.694 $\chi^2$/NDF:1102.6/18

Out: 33.683+/-0.650 $\chi^2$/NDF:1487.9/21

All: 30.906+/-0.475 $\chi^2$/NDF: 2629.5/40

reg_asym_sam4_diff_bpm4eX_slope vs Slug, Sign Corrected

Right In: -76.728+/-1.412 $\chi^2$/NDF: 1042.0/16

Left Out: -97.715+/-1.452 $\chi^2$/NDF:131.3/2

Right Out: -77.773+/-1.352 $\chi^2$/NDF: 871.8/18

Left In: -137.819+/-1.653 $\chi^2$/NDF:78.6/1

Left: -115.184+/-1.091 $\chi^2$/NDF: 542.1/4

Right: -77.273+/-0.977 $\chi^2$/NDF: 1914.1/35

In: -102.501+/-1.074 $\chi^2$/NDF:1910.1/18

Out: -87.034+/-0.990 $\chi^2$/NDF:1104.1/21

All: -94.138+/-0.728 $\chi^2$/NDF: 3126.4/40

reg_asym_sam4_diff_bpm4eY_slope vs Slug, Sign Corrected

Right In: 184.271+/-0.914 $\chi^2$/NDF: 5401.0/16

Left Out: 191.511+/-1.305 $\chi^2$/NDF:276.3/2

Right Out: 177.930+/-0.924 $\chi^2$/NDF: 6330.9/18

Left In: 200.373+/-1.630 $\chi^2$/NDF:205.3/1

Left: 194.972+/-1.019 $\chi^2$/NDF: 499.6/4

Right: 181.136+/-0.650 $\chi^2$/NDF: 11755.7/35

In: 188.119+/-0.797 $\chi^2$/NDF:5680.5/18

Out: 182.464+/-0.754 $\chi^2$/NDF:6679.3/21

All: 185.135+/-0.548 $\chi^2$/NDF: 12386.4/40

reg_asym_sam4_diff_bpm12X_slope vs Slug, Sign Corrected

Right In: -1.196+/-0.048 $\chi^2$/NDF: 623.1/16

Left Out: -0.359+/-0.060 $\chi^2$/NDF:27.3/2

Right Out: -1.385+/-0.046 $\chi^2$/NDF: 924.4/18

Left In: -0.377+/-0.063 $\chi^2$/NDF:9.6/1

Left: -0.368+/-0.044 $\chi^2$/NDF: 36.9/4

Right: -1.295+/-0.033 $\chi^2$/NDF: 1555.6/35

In: -0.895+/-0.038 $\chi^2$/NDF:739.4/18

Out: -1.011+/-0.036 $\chi^2$/NDF:1134.7/21

All: -0.956+/-0.026 $\chi^2$/NDF: 1878.9/40

reg_asym_sam5_diff_bpm1X_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -9.832+/-0.586 $\chi^2$/NDF:32.2/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -2.058+/-0.607 $\chi^2$/NDF:5.5/1

Left: -6.083+/-0.421 $\chi^2$/NDF: 122.7/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -2.058+/-0.607 $\chi^2$/NDF:5.5/1

Out: -9.832+/-0.586 $\chi^2$/NDF:32.2/2

All: -6.083+/-0.421 $\chi^2$/NDF: 122.7/4

reg_asym_sam5_diff_bpm4aY_slope vs Slug, Sign Corrected

Right In: 60.554+/-0.262 $\chi^2$/NDF: 930.8/16

Left Out: 64.024+/-0.502 $\chi^2$/NDF:160.0/2

Right Out: 59.477+/-0.248 $\chi^2$/NDF: 1317.0/18

Left In: 64.125+/-0.644 $\chi^2$/NDF:409.8/1

Left: 64.062+/-0.396 $\chi^2$/NDF: 569.8/4

Right: 59.987+/-0.180 $\chi^2$/NDF: 2256.7/35

In: 61.059+/-0.242 $\chi^2$/NDF:1366.9/18

Out: 60.368+/-0.222 $\chi^2$/NDF:1542.9/21

All: 60.684+/-0.164 $\chi^2$/NDF: 2914.3/40

reg_asym_sam5_diff_bpm4eX_slope vs Slug, Sign Corrected

Right In: 1.914+/-0.458 $\chi^2$/NDF: 121.6/16

Left Out: 12.699+/-0.629 $\chi^2$/NDF:24.8/2

Right Out: 0.960+/-0.424 $\chi^2$/NDF: 149.5/18

Left In: 3.924+/-0.651 $\chi^2$/NDF:12.8/1

Left: 8.468+/-0.452 $\chi^2$/NDF: 131.7/4

Right: 1.401+/-0.311 $\chi^2$/NDF: 273.4/35

In: 2.578+/-0.375 $\chi^2$/NDF:140.8/18

Out: 4.634+/-0.352 $\chi^2$/NDF:414.0/21

All: 3.671+/-0.256 $\chi^2$/NDF: 570.8/40

reg_asym_sam5_diff_bpm4eY_slope vs Slug, Sign Corrected

Right In: 45.344+/-0.303 $\chi^2$/NDF: 25071.0/16

Left Out: 85.079+/-0.594 $\chi^2$/NDF:121.6/2

Right Out: 46.007+/-0.289 $\chi^2$/NDF: 28219.9/18

Left In: 85.111+/-0.731 $\chi^2$/NDF:247.0/1

Left: 85.092+/-0.461 $\chi^2$/NDF: 368.6/4

Right: 45.691+/-0.209 $\chi^2$/NDF: 53293.4/35

In: 51.181+/-0.280 $\chi^2$/NDF:27842.4/18

Out: 53.498+/-0.260 $\chi^2$/NDF:31834.8/21

All: 52.424+/-0.191 $\chi^2$/NDF: 59713.9/40

reg_asym_sam5_diff_bpm12X_slope vs Slug, Sign Corrected

Right In: 0.201+/-0.014 $\chi^2$/NDF: 217.8/16

Left Out: -0.143+/-0.026 $\chi^2$/NDF:7.9/2

Right Out: 0.117+/-0.013 $\chi^2$/NDF: 500.1/18

Left In: -0.073+/-0.024 $\chi^2$/NDF:36.3/1

Left: -0.106+/-0.018 $\chi^2$/NDF: 48.1/4

Right: 0.156+/-0.010 $\chi^2$/NDF: 737.1/35

In: 0.133+/-0.012 $\chi^2$/NDF:349.0/18

Out: 0.064+/-0.012 $\chi^2$/NDF:589.3/21

All: 0.097+/-0.008 $\chi^2$/NDF: 954.8/40

reg_asym_sam6_diff_bpm1X_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 25.896+/-0.553 $\chi^2$/NDF:0.6/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 24.271+/-0.647 $\chi^2$/NDF:6.3/1

Left: 25.210+/-0.420 $\chi^2$/NDF: 10.5/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 24.271+/-0.647 $\chi^2$/NDF:6.3/1

Out: 25.896+/-0.553 $\chi^2$/NDF:0.6/2

All: 25.210+/-0.420 $\chi^2$/NDF: 10.5/4

reg_asym_sam6_diff_bpm4aY_slope vs Slug, Sign Corrected

Right In: 52.981+/-0.210 $\chi^2$/NDF: 1197.8/16

Left Out: 50.048+/-0.469 $\chi^2$/NDF:69.4/2

Right Out: 53.328+/-0.227 $\chi^2$/NDF: 872.7/18

Left In: 54.543+/-0.637 $\chi^2$/NDF:604.3/1

Left: 51.629+/-0.378 $\chi^2$/NDF: 705.9/4

Right: 53.141+/-0.154 $\chi^2$/NDF: 2071.7/35

In: 53.135+/-0.200 $\chi^2$/NDF:1807.4/18

Out: 52.707+/-0.204 $\chi^2$/NDF:981.7/21

All: 52.926+/-0.143 $\chi^2$/NDF: 2791.4/40

reg_asym_sam6_diff_bpm4eX_slope vs Slug, Sign Corrected

Right In: -2.361+/-0.364 $\chi^2$/NDF: 840.8/16

Left Out: 37.400+/-0.594 $\chi^2$/NDF:1.8/2

Right Out: -1.035+/-0.377 $\chi^2$/NDF: 507.7/18

Left In: 40.402+/-0.695 $\chi^2$/NDF:2.1/1

Left: 38.667+/-0.451 $\chi^2$/NDF: 14.8/4

Right: -1.721+/-0.262 $\chi^2$/NDF: 1355.0/35

In: 6.840+/-0.322 $\chi^2$/NDF:3815.7/18

Out: 10.007+/-0.318 $\chi^2$/NDF:3496.9/21

All: 8.444+/-0.226 $\chi^2$/NDF: 7361.5/40

reg_asym_sam6_diff_bpm4eY_slope vs Slug, Sign Corrected

Right In: 0.541+/-0.247 $\chi^2$/NDF: 18423.8/16

Left Out: 57.568+/-0.557 $\chi^2$/NDF:77.6/2

Right Out: 1.990+/-0.267 $\chi^2$/NDF: 15476.7/18

Left In: 52.869+/-0.732 $\chi^2$/NDF:439.8/1

Left: 55.848+/-0.443 $\chi^2$/NDF: 543.5/4

Right: 1.210+/-0.181 $\chi^2$/NDF: 33916.4/35

In: 5.873+/-0.234 $\chi^2$/NDF:23447.6/18

Out: 12.358+/-0.240 $\chi^2$/NDF:23666.8/21

All: 9.026+/-0.168 $\chi^2$/NDF: 47488.4/40

reg_asym_sam6_diff_bpm12X_slope vs Slug, Sign Corrected

Right In: 0.105+/-0.011 $\chi^2$/NDF: 400.7/16

Left Out: -0.222+/-0.024 $\chi^2$/NDF:0.4/2

Right Out: 0.088+/-0.011 $\chi^2$/NDF: 391.0/18

Left In: -0.249+/-0.026 $\chi^2$/NDF:31.4/1

Left: -0.234+/-0.018 $\chi^2$/NDF: 32.5/4

Right: 0.096+/-0.008 $\chi^2$/NDF: 792.9/35

In: 0.051+/-0.010 $\chi^2$/NDF:589.8/18

Out: 0.036+/-0.010 $\chi^2$/NDF:524.7/21

All: 0.043+/-0.007 $\chi^2$/NDF: 1115.5/40

reg_asym_sam7_diff_bpm1X_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 11.133+/-0.196 $\chi^2$/NDF:165.0/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 18.331+/-0.239 $\chi^2$/NDF:126.9/1

Left: 14.024+/-0.151 $\chi^2$/NDF: 835.0/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 18.331+/-0.239 $\chi^2$/NDF:126.9/1

Out: 11.133+/-0.196 $\chi^2$/NDF:165.0/2

All: 14.024+/-0.151 $\chi^2$/NDF: 835.0/4

reg_asym_sam7_diff_bpm4aY_slope vs Slug, Sign Corrected

Right In: 10.224+/-0.119 $\chi^2$/NDF: 877.6/16

Left Out: 14.826+/-0.157 $\chi^2$/NDF:199.7/2

Right Out: 11.104+/-0.116 $\chi^2$/NDF: 817.2/18

Left In: 14.428+/-0.213 $\chi^2$/NDF:289.5/1

Left: 14.686+/-0.126 $\chi^2$/NDF: 491.5/4

Right: 10.673+/-0.083 $\chi^2$/NDF: 1722.7/35

In: 11.222+/-0.104 $\chi^2$/NDF:1463.9/18

Out: 12.426+/-0.093 $\chi^2$/NDF:1380.1/21

All: 11.887+/-0.069 $\chi^2$/NDF: 2918.3/40

reg_asym_sam7_diff_bpm4eX_slope vs Slug, Sign Corrected

Right In: -72.201+/-0.198 $\chi^2$/NDF: 5566.9/16

Left Out: -48.707+/-0.210 $\chi^2$/NDF:139.0/2

Right Out: -76.003+/-0.181 $\chi^2$/NDF: 3465.4/18

Left In: -56.247+/-0.256 $\chi^2$/NDF:126.8/1

Left: -51.738+/-0.162 $\chi^2$/NDF: 784.8/4

Right: -74.270+/-0.133 $\chi^2$/NDF: 9233.6/35

In: -66.240+/-0.156 $\chi^2$/NDF:8127.1/18

Out: -64.364+/-0.137 $\chi^2$/NDF:13309.0/21

All: -65.178+/-0.103 $\chi^2$/NDF: 21517.4/40

reg_asym_sam7_diff_bpm4eY_slope vs Slug, Sign Corrected

Right In: -16.072+/-0.132 $\chi^2$/NDF: 1640.9/16

Left Out: -22.599+/-0.188 $\chi^2$/NDF:215.2/2

Right Out: -16.799+/-0.128 $\chi^2$/NDF: 1215.8/18

Left In: -22.000+/-0.250 $\chi^2$/NDF:195.0/1

Left: -22.383+/-0.150 $\chi^2$/NDF: 413.9/4

Right: -16.447+/-0.092 $\chi^2$/NDF: 2872.2/35

In: -17.368+/-0.117 $\chi^2$/NDF:2276.1/18

Out: -18.641+/-0.106 $\chi^2$/NDF:2081.5/21

All: -18.067+/-0.078 $\chi^2$/NDF: 4422.7/40

reg_asym_sam7_diff_bpm12X_slope vs Slug, Sign Corrected

Right In: -0.198+/-0.008 $\chi^2$/NDF: 6338.8/16

Left Out: 0.392+/-0.009 $\chi^2$/NDF:29.2/2

Right Out: -0.237+/-0.007 $\chi^2$/NDF: 6221.9/18

Left In: 0.365+/-0.010 $\chi^2$/NDF:0.1/1

Left: 0.380+/-0.006 $\chi^2$/NDF: 33.6/4

Right: -0.218+/-0.005 $\chi^2$/NDF: 12574.6/35

In: 0.013+/-0.006 $\chi^2$/NDF:8429.2/18

Out: 0.017+/-0.006 $\chi^2$/NDF:9349.1/21

All: 0.015+/-0.004 $\chi^2$/NDF: 17778.4/40

reg_asym_sam8_diff_bpm1X_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -0.557+/-0.156 $\chi^2$/NDF:689.5/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 8.024+/-0.191 $\chi^2$/NDF:147.3/1

Left: 2.881+/-0.121 $\chi^2$/NDF: 2049.5/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 8.024+/-0.191 $\chi^2$/NDF:147.3/1

Out: -0.557+/-0.156 $\chi^2$/NDF:689.5/2

All: 2.881+/-0.121 $\chi^2$/NDF: 2049.5/4

reg_asym_sam8_diff_bpm4aY_slope vs Slug, Sign Corrected

Right In: -42.179+/-0.078 $\chi^2$/NDF: 6573.8/16

Left Out: -33.511+/-0.125 $\chi^2$/NDF:1947.0/2

Right Out: -40.052+/-0.073 $\chi^2$/NDF: 11313.5/18

Left In: -34.458+/-0.166 $\chi^2$/NDF:4581.9/1

Left: -33.851+/-0.100 $\chi^2$/NDF: 6549.6/4

Right: -41.045+/-0.053 $\chi^2$/NDF: 18285.9/35

In: -40.795+/-0.070 $\chi^2$/NDF:12922.1/18

Out: -38.389+/-0.063 $\chi^2$/NDF:15313.8/21

All: -39.455+/-0.047 $\chi^2$/NDF: 28885.2/40

reg_asym_sam8_diff_bpm4eX_slope vs Slug, Sign Corrected

Right In: -48.743+/-0.124 $\chi^2$/NDF: 14658.5/16

Left Out: -27.992+/-0.167 $\chi^2$/NDF:568.5/2

Right Out: -48.091+/-0.107 $\chi^2$/NDF: 11731.5/18

Left In: -37.749+/-0.204 $\chi^2$/NDF:269.5/1

Left: -31.904+/-0.129 $\chi^2$/NDF: 2204.4/4

Right: -48.369+/-0.081 $\chi^2$/NDF: 26405.8/35

In: -45.769+/-0.106 $\chi^2$/NDF:17039.8/18

Out: -42.231+/-0.090 $\chi^2$/NDF:22544.6/21

All: -43.714+/-0.069 $\chi^2$/NDF: 40228.2/40

reg_asym_sam8_diff_bpm4eY_slope vs Slug, Sign Corrected

Right In: 43.782+/-0.087 $\chi^2$/NDF: 10638.7/16

Left Out: 35.830+/-0.149 $\chi^2$/NDF:2026.0/2

Right Out: 40.530+/-0.080 $\chi^2$/NDF: 17580.7/18

Left In: 37.384+/-0.195 $\chi^2$/NDF:3272.3/1

Left: 36.402+/-0.119 $\chi^2$/NDF: 5338.2/4

Right: 42.031+/-0.059 $\chi^2$/NDF: 28978.3/35

In: 42.732+/-0.079 $\chi^2$/NDF:14806.7/18

Out: 39.477+/-0.071 $\chi^2$/NDF:20376.5/21

All: 40.919+/-0.053 $\chi^2$/NDF: 36123.6/40

reg_asym_sam8_diff_bpm12X_slope vs Slug, Sign Corrected

Right In: -0.178+/-0.005 $\chi^2$/NDF: 7375.8/16

Left Out: 0.244+/-0.007 $\chi^2$/NDF:230.0/2

Right Out: -0.219+/-0.004 $\chi^2$/NDF: 7470.0/18

Left In: 0.209+/-0.008 $\chi^2$/NDF:41.3/1

Left: 0.229+/-0.005 $\chi^2$/NDF: 282.3/4

Right: -0.201+/-0.003 $\chi^2$/NDF: 14886.5/35

In: -0.070+/-0.004 $\chi^2$/NDF:9201.1/18

Out: -0.091+/-0.004 $\chi^2$/NDF:10904.8/21

All: -0.081+/-0.003 $\chi^2$/NDF: 20120.5/40

# reg_asym_usl_diff_bpm1X_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -85.651+/-1.203 $\chi^2$/NDF:69.4/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -87.995+/-1.388 $\chi^2$/NDF:1.3/1

Left: -86.656+/-0.909 $\chi^2$/NDF: 72.4/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -87.995+/-1.388 $\chi^2$/NDF:1.3/1

Out: -85.651+/-1.203 $\chi^2$/NDF:69.4/2

All: -86.656+/-0.909 $\chi^2$/NDF: 72.4/4

# reg_asym_usl_diff_bpm4aY_slope vs Slug, Sign Corrected

Right In: 7.063+/-0.434 $\chi^2$/NDF: 446.9/15

Left Out: 2.474+/-1.014 $\chi^2$/NDF:5.2/2

Right Out: 8.816+/-0.449 $\chi^2$/NDF: 350.4/17

Left In: -1.716+/-1.346 $\chi^2$/NDF:2.9/1

Left: 0.958+/-0.810 $\chi^2$/NDF: 14.3/4

Right: 7.909+/-0.312 $\chi^2$/NDF: 805.1/33

In: 6.238+/-0.413 $\chi^2$/NDF:488.3/17

Out: 7.776+/-0.411 $\chi^2$/NDF:388.3/20

All: 7.011+/-0.291 $\chi^2$/NDF: 883.6/38

# reg_asym_usl_diff_bpm4eX_slope vs Slug, Sign Corrected

Right In: 58.913+/-0.831 $\chi^2$/NDF: 1496.7/15

Left Out: 36.447+/-1.292 $\chi^2$/NDF:87.6/2

Right Out: 64.803+/-0.840 $\chi^2$/NDF: 1718.2/17

Left In: 39.519+/-1.491 $\chi^2$/NDF:0.1/1

Left: 37.764+/-0.977 $\chi^2$/NDF: 90.1/4

Right: 61.827+/-0.591 $\chi^2$/NDF: 3239.7/33

In: 54.315+/-0.726 $\chi^2$/NDF:1625.8/17

Out: 56.377+/-0.704 $\chi^2$/NDF:2144.2/20

All: 55.377+/-0.506 $\chi^2$/NDF: 3774.1/38

# reg_asym_usl_diff_bpm4eY_slope vs Slug, Sign Corrected

Right In: 9.583+/-0.501 $\chi^2$/NDF: 554.4/15

Left Out: 24.183+/-1.203 $\chi^2$/NDF:5.8/2

Right Out: 7.516+/-0.516 $\chi^2$/NDF: 569.8/17

Left In: 28.829+/-1.552 $\chi^2$/NDF:24.0/1

Left: 25.927+/-0.951 $\chi^2$/NDF: 35.4/4

Right: 8.579+/-0.359 $\chi^2$/NDF: 1132.5/33

In: 11.401+/-0.477 $\chi^2$/NDF:717.8/17

Out: 10.104+/-0.474 $\chi^2$/NDF:737.8/20

All: 10.749+/-0.336 $\chi^2$/NDF: 1459.3/38

# reg_asym_usl_diff_bpm12X_slope vs Slug, Sign Corrected

Right In: -39.777+/-0.031 $\chi^2$/NDF: 26158.0/15

Left Out: -51.394+/-0.053 $\chi^2$/NDF:18446.1/2

Right Out: -41.651+/-0.031 $\chi^2$/NDF: 94457.5/17

Left In: -49.258+/-0.056 $\chi^2$/NDF:9676.5/1

Left: -50.373+/-0.038 $\chi^2$/NDF: 28893.8/4

Right: -40.710+/-0.022 $\chi^2$/NDF: 122427.7/33

In: -42.034+/-0.027 $\chi^2$/NDF:58008.0/17

Out: -44.145+/-0.027 $\chi^2$/NDF:137882.0/20

All: -43.098+/-0.019 $\chi^2$/NDF: 198943.8/38

# reg_asym_usr_diff_bpm1X_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -54.877+/-1.174 $\chi^2$/NDF:75.5/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -77.175+/-1.374 $\chi^2$/NDF:97.9/1

Left: -64.288+/-0.892 $\chi^2$/NDF: 325.7/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -77.175+/-1.374 $\chi^2$/NDF:97.9/1

Out: -54.877+/-1.174 $\chi^2$/NDF:75.5/2

All: -64.288+/-0.892 $\chi^2$/NDF: 325.7/4

# reg_asym_usr_diff_bpm4aY_slope vs Slug, Sign Corrected

Right In: 4.894+/-0.621 $\chi^2$/NDF: 295.4/16

Left Out: -6.029+/-0.972 $\chi^2$/NDF:29.9/2

Right Out: 7.565+/-0.652 $\chi^2$/NDF: 270.2/18

Left In: -3.856+/-1.301 $\chi^2$/NDF:12.8/1

Left: -5.250+/-0.779 $\chi^2$/NDF: 44.5/4

Right: 6.165+/-0.450 $\chi^2$/NDF: 574.4/35

In: 3.269+/-0.561 $\chi^2$/NDF:345.0/18

Out: 3.350+/-0.541 $\chi^2$/NDF:435.0/21

All: 3.311+/-0.389 $\chi^2$/NDF: 780.0/40

# reg_asym_usr_diff_bpm4eX_slope vs Slug, Sign Corrected

Right In: 153.298+/-1.145 $\chi^2$/NDF: 2266.8/16

Left Out: 120.746+/-1.260 $\chi^2$/NDF:90.5/2

Right Out: 162.747+/-1.177 $\chi^2$/NDF: 1708.7/18

Left In: 145.116+/-1.474 $\chi^2$/NDF:84.3/1

Left: 131.034+/-0.957 $\chi^2$/NDF: 332.8/4

Right: 157.893+/-0.820 $\chi^2$/NDF: 4008.6/35

In: 150.219+/-0.904 $\chi^2$/NDF:2370.3/18

Out: 143.176+/-0.860 $\chi^2$/NDF:2392.9/21

All: 146.521+/-0.623 $\chi^2$/NDF: 4795.1/40

# reg_asym_usr_diff_bpm4eY_slope vs Slug, Sign Corrected

Right In: 10.878+/-0.713 $\chi^2$/NDF: 388.1/16

Left Out: 30.164+/-1.157 $\chi^2$/NDF:23.2/2

Right Out: 7.014+/-0.748 $\chi^2$/NDF: 424.5/18

Left In: 25.950+/-1.506 $\chi^2$/NDF:39.0/1

Left: 28.600+/-0.917 $\chi^2$/NDF: 67.1/4

Right: 9.038+/-0.516 $\chi^2$/NDF: 826.6/35

In: 13.640+/-0.645 $\chi^2$/NDF:508.9/18

Out: 13.840+/-0.628 $\chi^2$/NDF:730.1/21

All: 13.743+/-0.450 $\chi^2$/NDF: 1239.0/40

# reg_asym_usr_diff_bpm12X_slope vs Slug, Sign Corrected

Right In: -41.265+/-0.038 $\chi^2$/NDF: 12570.1/16

Left Out: -47.442+/-0.052 $\chi^2$/NDF:2729.0/2

Right Out: -41.144+/-0.039 $\chi^2$/NDF: 12218.7/18

Left In: -45.817+/-0.055 $\chi^2$/NDF:1168.9/1

Left: -46.679+/-0.038 $\chi^2$/NDF: 4354.2/4

Right: -41.205+/-0.027 $\chi^2$/NDF: 24793.7/35

In: -42.748+/-0.032 $\chi^2$/NDF:18293.4/18

Out: -43.376+/-0.031 $\chi^2$/NDF:24375.3/21

All: -43.068+/-0.022 $\chi^2$/NDF: 42869.9/40

# reg_asym_dsl_diff_bpm1X_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -0.166+/-0.061 $\chi^2$/NDF:3.4/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -0.016+/-0.069 $\chi^2$/NDF:0.0/1

Left: -0.100+/-0.046 $\chi^2$/NDF: 6.0/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -0.016+/-0.069 $\chi^2$/NDF:0.0/1

Out: -0.166+/-0.061 $\chi^2$/NDF:3.4/2

All: -0.100+/-0.046 $\chi^2$/NDF: 6.0/4

reg_asym_dsl_diff_bpm4aY_slope vs Slug, Sign Corrected

Right In: 0.002+/-0.028 $\chi^2$/NDF: 12.5/15

Left Out: -0.062+/-0.052 $\chi^2$/NDF:2.3/2

Right Out: -0.051+/-0.029 $\chi^2$/NDF: 25.8/17

Left In: -0.163+/-0.070 $\chi^2$/NDF:1.2/1

Left: -0.098+/-0.042 $\chi^2$/NDF: 4.9/4

Right: -0.024+/-0.020 $\chi^2$/NDF: 40.0/33

In: -0.021+/-0.026 $\chi^2$/NDF:18.5/17

Out: -0.054+/-0.026 $\chi^2$/NDF:28.2/20

All: -0.038+/-0.018 $\chi^2$/NDF: 47.4/38

# reg_asym_dsl_diff_bpm4eX_slope vs Slug, Sign Corrected

Right In: 0.171+/-0.052 $\chi^2$/NDF: 13.7/15

Left Out: 0.159+/-0.066 $\chi^2$/NDF:3.2/2

Right Out: 0.239+/-0.054 $\chi^2$/NDF: 21.8/17

Left In: 0.011+/-0.075 $\chi^2$/NDF:0.0/1

Left: 0.094+/-0.049 $\chi^2$/NDF: 5.5/4

Right: 0.204+/-0.038 $\chi^2$/NDF: 36.3/33

In: 0.118+/-0.043 $\chi^2$/NDF:16.8/17

Out: 0.207+/-0.042 $\chi^2$/NDF:25.9/20

All: 0.164+/-0.030 $\chi^2$/NDF: 44.9/38

reg_asym_dsl_diff_bpm4eY_slope vs Slug, Sign Corrected

Right In: -0.011+/-0.033 $\chi^2$/NDF: 13.8/15

Left Out: 0.080+/-0.062 $\chi^2$/NDF:1.8/2

Right Out: 0.059+/-0.034 $\chi^2$/NDF: 20.6/17

Left In: 0.207+/-0.080 $\chi^2$/NDF:0.7/1

Left: 0.128+/-0.049 $\chi^2$/NDF: 4.0/4

Right: 0.022+/-0.023 $\chi^2$/NDF: 36.5/33

In: 0.020+/-0.030 $\chi^2$/NDF:20.8/17

Out: 0.064+/-0.030 $\chi^2$/NDF:22.5/20

All: 0.042+/-0.021 $\chi^2$/NDF: 44.3/38

# reg_asym_dsl_diff_bpm12X_slope vs Slug, Sign Corrected

Right In: -0.012+/-0.002 $\chi^2$/NDF: 12.9/15

Left Out: -0.006+/-0.003 $\chi^2$/NDF:2.5/2

Right Out: -0.012+/-0.002 $\chi^2$/NDF: 11891.5/17

Left In: -0.016+/-0.003 $\chi^2$/NDF:0.2/1

Left: -0.011+/-0.002 $\chi^2$/NDF: 9.8/4

Right: -0.012+/-0.001 $\chi^2$/NDF: 11904.4/33

In: -0.013+/-0.002 $\chi^2$/NDF:15.1/17

Out: -0.010+/-0.001 $\chi^2$/NDF:11897.4/20

All: -0.012+/-0.001 $\chi^2$/NDF: 11914.3/38

# reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 0.084+/-0.085 $\chi^2$/NDF:2.3/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -0.034+/-0.095 $\chi^2$/NDF:0.2/1

Left: 0.032+/-0.063 $\chi^2$/NDF: 3.4/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -0.034+/-0.095 $\chi^2$/NDF:0.2/1

Out: 0.084+/-0.085 $\chi^2$/NDF:2.3/2

All: 0.032+/-0.063 $\chi^2$/NDF: 3.4/4

reg_asym_dsr_diff_bpm4aY_slope vs Slug, Sign Corrected

Right In: -0.024+/-0.037 $\chi^2$/NDF: 23.4/16

Left Out: -0.144+/-0.072 $\chi^2$/NDF:2.0/2

Right Out: -0.128+/-0.039 $\chi^2$/NDF: 17.6/18

Left In: -0.122+/-0.096 $\chi^2$/NDF:0.2/1

Left: -0.136+/-0.058 $\chi^2$/NDF: 2.2/4

Right: -0.072+/-0.027 $\chi^2$/NDF: 44.7/35

In: -0.037+/-0.034 $\chi^2$/NDF:24.4/18

Out: -0.132+/-0.035 $\chi^2$/NDF:19.6/21

All: -0.084+/-0.024 $\chi^2$/NDF: 47.9/40

# reg_asym_dsr_diff_bpm4eX_slope vs Slug, Sign Corrected

Right In: -0.129+/-0.067 $\chi^2$/NDF: 23.7/16

Left Out: -0.097+/-0.091 $\chi^2$/NDF:2.1/2

Right Out: -0.172+/-0.071 $\chi^2$/NDF: 15.0/18

Left In: 0.015+/-0.102 $\chi^2$/NDF:0.1/1

Left: -0.047+/-0.068 $\chi^2$/NDF: 2.9/4

Right: -0.149+/-0.049 $\chi^2$/NDF: 39.0/35

In: -0.086+/-0.056 $\chi^2$/NDF:25.3/18

Out: -0.143+/-0.056 $\chi^2$/NDF:17.6/21

All: -0.115+/-0.040 $\chi^2$/NDF: 43.3/40

# reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected

Right In: 0.021+/-0.042 $\chi^2$/NDF: 22.5/16

Left Out: 0.142+/-0.085 $\chi^2$/NDF:0.9/2

Right Out: 0.152+/-0.045 $\chi^2$/NDF: 16.2/18

Left In: 0.139+/-0.109 $\chi^2$/NDF:0.1/1

Left: 0.141+/-0.067 $\chi^2$/NDF: 1.0/4

Right: 0.082+/-0.031 $\chi^2$/NDF: 43.2/35

In: 0.036+/-0.039 $\chi^2$/NDF:23.7/18

Out: 0.150+/-0.040 $\chi^2$/NDF:17.2/21

All: 0.092+/-0.028 $\chi^2$/NDF: 44.9/40

# reg_asym_dsr_diff_bpm12X_slope vs Slug, Sign Corrected

Right In: 0.001+/-0.002 $\chi^2$/NDF: 32.4/16

Left Out: 0.009+/-0.004 $\chi^2$/NDF:3.2/2

Right Out: 0.001+/-0.002 $\chi^2$/NDF: 10449.1/18

Left In: 0.010+/-0.004 $\chi^2$/NDF:1.4/1

Left: 0.009+/-0.003 $\chi^2$/NDF: 4.7/4

Right: 0.001+/-0.002 $\chi^2$/NDF: 10481.5/35

In: 0.003+/-0.002 $\chi^2$/NDF:37.6/18

Out: 0.003+/-0.002 $\chi^2$/NDF:10455.6/21

All: 0.003+/-0.001 $\chi^2$/NDF: 10493.1/40

reg_asym_us_avg_diff_bpm1X_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -70.180+/-1.032 $\chi^2$/NDF:88.6/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -82.512+/-1.203 $\chi^2$/NDF:38.6/1

Left: -75.412+/-0.783 $\chi^2$/NDF: 187.7/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -82.512+/-1.203 $\chi^2$/NDF:38.6/1

Out: -70.180+/-1.032 $\chi^2$/NDF:88.6/2

All: -75.412+/-0.783 $\chi^2$/NDF: 187.7/4

reg_asym_us_avg_diff_bpm4aY_slope vs Slug, Sign Corrected

Right In: 5.589+/-0.424 $\chi^2$/NDF: 462.8/15

Left Out: -1.816+/-0.861 $\chi^2$/NDF:17.7/2

Right Out: 8.142+/-0.454 $\chi^2$/NDF: 407.7/17

Left In: -2.630+/-1.151 $\chi^2$/NDF:9.8/1

Left: -2.108+/-0.689 $\chi^2$/NDF: 27.8/4

Right: 6.778+/-0.310 $\chi^2$/NDF: 887.4/33

In: 4.609+/-0.397 $\chi^2$/NDF:517.5/17

Out: 5.978+/-0.401 $\chi^2$/NDF:530.1/20

All: 5.287+/-0.282 $\chi^2$/NDF: 1053.5/38

reg_asym_us_avg_diff_bpm4eX_slope vs Slug, Sign Corrected

Right In: 101.631+/-0.807 $\chi^2$/NDF: 2978.9/15

Left Out: 78.500+/-1.108 $\chi^2$/NDF:109.7/2

Right Out: 110.756+/-0.836 $\chi^2$/NDF: 2513.0/17

Left In: 92.227+/-1.291 $\chi^2$/NDF:28.2/1

Left: 84.323+/-0.841 $\chi^2$/NDF: 203.0/4

Right: 106.031+/-0.581 $\chi^2$/NDF: 5553.5/33

In: 98.989+/-0.684 $\chi^2$/NDF:3045.3/17

Out: 99.053+/-0.667 $\chi^2$/NDF:3162.5/20

All: 99.022+/-0.478 $\chi^2$/NDF: 6207.8/38

reg_asym_us_avg_diff_bpm4eY_slope vs Slug, Sign Corrected

Right In: 10.508+/-0.492 $\chi^2$/NDF: 581.5/15

Left Out: 27.202+/-1.024 $\chi^2$/NDF:8.5/2

Right Out: 7.477+/-0.524 $\chi^2$/NDF: 689.3/17

Left In: 27.193+/-1.330 $\chi^2$/NDF:41.8/1

Left: 27.199+/-0.811 $\chi^2$/NDF: 50.3/4

Right: 9.088+/-0.359 $\chi^2$/NDF: 1288.6/33

In: 12.516+/-0.461 $\chi^2$/NDF:761.7/17

Out: 11.572+/-0.466 $\chi^2$/NDF:992.0/20

All: 12.049+/-0.328 $\chi^2$/NDF: 1755.8/38

reg_asym_us_avg_diff_bpm12X_slope vs Slug, Sign Corrected

Right In: -40.080+/-0.028 $\chi^2$/NDF: 25123.9/15

Left Out: -49.483+/-0.046 $\chi^2$/NDF:11383.6/2

Right Out: -41.609+/-0.029 $\chi^2$/NDF: 61784.6/17

Left In: -47.581+/-0.048 $\chi^2$/NDF:5848.5/1

Left: -48.583+/-0.033 $\chi^2$/NDF: 18047.9/4

Right: -40.834+/-0.020 $\chi^2$/NDF: 88360.5/33

In: -41.986+/-0.024 $\chi^2$/NDF:48961.2/17

Out: -43.816+/-0.024 $\chi^2$/NDF:94439.9/20

All: -42.905+/-0.017 $\chi^2$/NDF: 146235.4/38

reg_asym_us_dd_diff_bpm1X_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -15.566+/-0.589 $\chi^2$/NDF:21.5/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -5.882+/-0.678 $\chi^2$/NDF:57.7/1

Left: -11.405+/-0.444 $\chi^2$/NDF: 195.6/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -5.882+/-0.678 $\chi^2$/NDF:57.7/1

Out: -15.566+/-0.589 $\chi^2$/NDF:21.5/2

All: -11.405+/-0.444 $\chi^2$/NDF: 195.6/4

reg_asym_us_dd_diff_bpm4aY_slope vs Slug, Sign Corrected

Right In: 0.965+/-0.338 $\chi^2$/NDF: 42.9/15

Left Out: 4.357+/-0.493 $\chi^2$/NDF:20.2/2

Right Out: 0.906+/-0.354 $\chi^2$/NDF: 42.0/17

Left In: 0.931+/-0.652 $\chi^2$/NDF:3.3/1

Left: 3.110+/-0.393 $\chi^2$/NDF: 41.0/4

Right: 0.937+/-0.244 $\chi^2$/NDF: 84.9/33

In: 0.958+/-0.300 $\chi^2$/NDF:46.2/17

Out: 2.079+/-0.287 $\chi^2$/NDF:94.5/20

All: 1.543+/-0.208 $\chi^2$/NDF: 148.0/38

reg_asym_us_dd_diff_bpm4eX_slope vs Slug, Sign Corrected

Right In: -52.148+/-0.612 $\chi^2$/NDF: 230.2/15

Left Out: -41.893+/-0.632 $\chi^2$/NDF:23.4/2

Right Out: -52.346+/-0.616 $\chi^2$/NDF: 235.7/17

Left In: -52.241+/-0.728 $\chi^2$/NDF:59.0/1

Left: -46.342+/-0.477 $\chi^2$/NDF: 197.7/4

Right: -52.246+/-0.434 $\chi^2$/NDF: 466.0/33

In: -52.187+/-0.468 $\chi^2$/NDF:289.2/17

Out: -47.254+/-0.441 $\chi^2$/NDF:399.5/20

All: -49.572+/-0.321 $\chi^2$/NDF: 747.5/38

reg_asym_us_dd_diff_bpm4eY_slope vs Slug, Sign Corrected

Right In: -0.596+/-0.384 $\chi^2$/NDF: 82.6/15

Left Out: -3.019+/-0.584 $\chi^2$/NDF:36.1/2

Right Out: 0.416+/-0.400 $\chi^2$/NDF: 95.8/17

Left In: 1.718+/-0.752 $\chi^2$/NDF:1.3/1

Left: -1.234+/-0.461 $\chi^2$/NDF: 62.1/4

Right: -0.111+/-0.277 $\chi^2$/NDF: 181.7/33

In: -0.117+/-0.342 $\chi^2$/NDF:91.4/17

Out: -0.678+/-0.330 $\chi^2$/NDF:155.4/20

All: -0.408+/-0.237 $\chi^2$/NDF: 248.2/38

reg_asym_us_dd_diff_bpm12X_slope vs Slug, Sign Corrected

Right In: 0.128+/-0.021 $\chi^2$/NDF: 5252.9/15

Left Out: -2.301+/-0.026 $\chi^2$/NDF:8191.7/2

Right Out: -1.631+/-0.022 $\chi^2$/NDF: 77878.6/17

Left In: -2.076+/-0.027 $\chi^2$/NDF:3668.9/1

Left: -2.194+/-0.019 $\chi^2$/NDF: 11896.1/4

Right: -0.739+/-0.015 $\chi^2$/NDF: 86433.1/33

In: -0.717+/-0.017 $\chi^2$/NDF:12954.0/17

Out: -1.908+/-0.017 $\chi^2$/NDF:86460.8/20

All: -1.319+/-0.012 $\chi^2$/NDF: 101933.8/38

reg_asym_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -0.042+/-0.052 $\chi^2$/NDF:5.1/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -0.024+/-0.059 $\chi^2$/NDF:0.2/1

Left: -0.034+/-0.039 $\chi^2$/NDF: 5.4/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -0.024+/-0.059 $\chi^2$/NDF:0.2/1

Out: -0.042+/-0.052 $\chi^2$/NDF:5.1/2

All: -0.034+/-0.039 $\chi^2$/NDF: 5.4/4

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected

Right In: -0.013+/-0.023 $\chi^2$/NDF: 12.2/15

Left Out: -0.103+/-0.045 $\chi^2$/NDF:2.5/2

Right Out: -0.092+/-0.025 $\chi^2$/NDF: 12.7/17

Left In: -0.142+/-0.059 $\chi^2$/NDF:0.1/1

Left: -0.117+/-0.036 $\chi^2$/NDF: 2.9/4

Right: -0.050+/-0.017 $\chi^2$/NDF: 30.3/33

In: -0.030+/-0.022 $\chi^2$/NDF:16.4/17

Out: -0.095+/-0.022 $\chi^2$/NDF:15.2/20

All: -0.062+/-0.015 $\chi^2$/NDF: 36.1/38

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected

Right In: 0.017+/-0.043 $\chi^2$/NDF: 9.6/15

Left Out: 0.032+/-0.056 $\chi^2$/NDF:4.8/2

Right Out: 0.030+/-0.045 $\chi^2$/NDF: 9.2/17

Left In: 0.013+/-0.063 $\chi^2$/NDF:0.1/1

Left: 0.023+/-0.042 $\chi^2$/NDF: 5.0/4

Right: 0.023+/-0.031 $\chi^2$/NDF: 18.9/33

In: 0.016+/-0.035 $\chi^2$/NDF:9.8/17

Out: 0.031+/-0.035 $\chi^2$/NDF:14.0/20

All: 0.023+/-0.025 $\chi^2$/NDF: 23.9/38

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected

Right In: 0.007+/-0.027 $\chi^2$/NDF: 12.1/15

Left Out: 0.110+/-0.053 $\chi^2$/NDF:1.3/2

Right Out: 0.110+/-0.029 $\chi^2$/NDF: 8.0/17

Left In: 0.173+/-0.068 $\chi^2$/NDF:0.0/1

Left: 0.134+/-0.042 $\chi^2$/NDF: 1.9/4

Right: 0.055+/-0.020 $\chi^2$/NDF: 27.0/33

In: 0.030+/-0.025 $\chi^2$/NDF:17.3/17

Out: 0.110+/-0.025 $\chi^2$/NDF:9.3/20

All: 0.069+/-0.018 $\chi^2$/NDF: 31.7/38

reg_asym_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected

Right In: -0.005+/-0.001 $\chi^2$/NDF: 22.6/15

Left Out: 0.001+/-0.002 $\chi^2$/NDF:4.0/2

Right Out: -0.006+/-0.001 $\chi^2$/NDF: 26508.9/17

Left In: -0.003+/-0.002 $\chi^2$/NDF:1.6/1

Left: -0.001+/-0.002 $\chi^2$/NDF: 7.5/4

Right: -0.006+/-0.001 $\chi^2$/NDF: 26531.6/33

In: -0.005+/-0.001 $\chi^2$/NDF:24.8/17

Out: -0.004+/-0.001 $\chi^2$/NDF:26519.9/20

All: -0.004+/-0.001 $\chi^2$/NDF: 26545.1/38

reg_asym_ds_dd_diff_bpm1X_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -0.126+/-0.052 $\chi^2$/NDF:0.3/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 0.010+/-0.059 $\chi^2$/NDF:0.1/1

Left: -0.066+/-0.039 $\chi^2$/NDF: 3.4/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 0.010+/-0.059 $\chi^2$/NDF:0.1/1

Out: -0.126+/-0.052 $\chi^2$/NDF:0.3/2

All: -0.066+/-0.039 $\chi^2$/NDF: 3.4/4

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected

Right In: 0.010+/-0.023 $\chi^2$/NDF: 25.4/15

Left Out: 0.042+/-0.045 $\chi^2$/NDF:1.8/2

Right Out: 0.040+/-0.025 $\chi^2$/NDF: 27.9/17

Left In: -0.020+/-0.059 $\chi^2$/NDF:1.0/1

Left: 0.020+/-0.036 $\chi^2$/NDF: 3.5/4

Right: 0.024+/-0.017 $\chi^2$/NDF: 54.1/33

In: 0.006+/-0.022 $\chi^2$/NDF:26.6/17

Out: 0.041+/-0.022 $\chi^2$/NDF:29.7/20

All: 0.024+/-0.015 $\chi^2$/NDF: 57.6/38

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected

Right In: 0.152+/-0.043 $\chi^2$/NDF: 28.7/15

Left Out: 0.129+/-0.056 $\chi^2$/NDF:0.3/2

Right Out: 0.200+/-0.045 $\chi^2$/NDF: 22.9/17

Left In: -0.003+/-0.063 $\chi^2$/NDF:0.0/1

Left: 0.071+/-0.042 $\chi^2$/NDF: 2.7/4

Right: 0.175+/-0.031 $\chi^2$/NDF: 52.2/33

In: 0.103+/-0.035 $\chi^2$/NDF:32.9/17

Out: 0.172+/-0.035 $\chi^2$/NDF:24.1/20

All: 0.138+/-0.025 $\chi^2$/NDF: 58.9/38

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected

Right In: -0.014+/-0.027 $\chi^2$/NDF: 25.2/15

Left Out: -0.032+/-0.053 $\chi^2$/NDF:1.2/2

Right Out: -0.050+/-0.029 $\chi^2$/NDF: 25.7/17

Left In: 0.034+/-0.068 $\chi^2$/NDF:0.6/1

Left: -0.007+/-0.042 $\chi^2$/NDF: 2.4/4

Right: -0.031+/-0.020 $\chi^2$/NDF: 51.8/33

In: -0.007+/-0.025 $\chi^2$/NDF:26.2/17

Out: -0.046+/-0.025 $\chi^2$/NDF:27.0/20

All: -0.026+/-0.018 $\chi^2$/NDF: 54.4/38

reg_asym_ds_dd_diff_bpm12X_slope vs Slug, Sign Corrected

Right In: -0.006+/-0.001 $\chi^2$/NDF: 29.0/15

Left Out: -0.008+/-0.002 $\chi^2$/NDF:2.0/2

Right Out: -0.006+/-0.001 $\chi^2$/NDF: 165.9/17

Left In: -0.013+/-0.002 $\chi^2$/NDF:0.5/1

Left: -0.010+/-0.002 $\chi^2$/NDF: 5.3/4

Right: -0.006+/-0.001 $\chi^2$/NDF: 194.8/33

In: -0.008+/-0.001 $\chi^2$/NDF:35.9/17

Out: -0.006+/-0.001 $\chi^2$/NDF:168.2/20

All: -0.007+/-0.001 $\chi^2$/NDF: 204.9/38

reg_asym_left_avg_diff_bpm1X_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -42.910+/-0.603 $\chi^2$/NDF:70.4/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -44.015+/-0.695 $\chi^2$/NDF:1.3/1

Left: -43.384+/-0.455 $\chi^2$/NDF: 73.2/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -44.015+/-0.695 $\chi^2$/NDF:1.3/1

Out: -42.910+/-0.603 $\chi^2$/NDF:70.4/2

All: -43.384+/-0.455 $\chi^2$/NDF: 73.2/4

reg_asym_left_avg_diff_bpm4aY_slope vs Slug, Sign Corrected

Right In: 3.530+/-0.217 $\chi^2$/NDF: 446.6/15

Left Out: 1.203+/-0.508 $\chi^2$/NDF:5.3/2

Right Out: 4.370+/-0.225 $\chi^2$/NDF: 353.8/17

Left In: -0.941+/-0.674 $\chi^2$/NDF:2.7/1

Left: 0.427+/-0.406 $\chi^2$/NDF: 14.4/4

Right: 3.934+/-0.156 $\chi^2$/NDF: 807.6/33

In: 3.109+/-0.207 $\chi^2$/NDF:489.1/17

Out: 3.848+/-0.206 $\chi^2$/NDF:391.6/20

All: 3.480+/-0.146 $\chi^2$/NDF: 887.1/38

reg_asym_left_avg_diff_bpm4eX_slope vs Slug, Sign Corrected

Right In: 29.535+/-0.417 $\chi^2$/NDF: 1494.9/15

Left Out: 18.305+/-0.647 $\chi^2$/NDF:88.7/2

Right Out: 32.816+/-0.423 $\chi^2$/NDF: 1659.3/17

Left In: 19.774+/-0.747 $\chi^2$/NDF:0.1/1

Left: 18.935+/-0.489 $\chi^2$/NDF: 91.0/4

Right: 31.152+/-0.297 $\chi^2$/NDF: 3184.7/33

In: 27.218+/-0.364 $\chi^2$/NDF:1625.2/17

Out: 28.474+/-0.354 $\chi^2$/NDF:2100.4/20

All: 27.863+/-0.254 $\chi^2$/NDF: 3731.7/38

reg_asym_left_avg_diff_bpm4eY_slope vs Slug, Sign Corrected

Right In: 4.789+/-0.251 $\chi^2$/NDF: 553.9/15

Left Out: 12.135+/-0.602 $\chi^2$/NDF:5.6/2

Right Out: 3.809+/-0.259 $\chi^2$/NDF: 567.6/17

Left In: 14.518+/-0.777 $\chi^2$/NDF:23.5/1

Left: 13.029+/-0.476 $\chi^2$/NDF: 35.0/4

Right: 4.313+/-0.180 $\chi^2$/NDF: 1128.9/33

In: 5.709+/-0.239 $\chi^2$/NDF:719.4/17

Out: 5.107+/-0.238 $\chi^2$/NDF:734.5/20

All: 5.407+/-0.169 $\chi^2$/NDF: 1457.0/38

reg_asym_left_avg_diff_bpm12X_slope vs Slug, Sign Corrected

Right In: -19.895+/-0.016 $\chi^2$/NDF: 26073.6/15

Left Out: -25.700+/-0.027 $\chi^2$/NDF:18412.0/2

Right Out: -20.938+/-0.016 $\chi^2$/NDF: 94065.2/17

Left In: -24.637+/-0.028 $\chi^2$/NDF:9648.3/1

Left: -25.192+/-0.019 $\chi^2$/NDF: 28822.1/4

Right: -20.412+/-0.011 $\chi^2$/NDF: 122364.1/33

In: -21.025+/-0.014 $\chi^2$/NDF:57826.0/17

Out: -22.168+/-0.014 $\chi^2$/NDF:136196.0/20

All: -21.599+/-0.010 $\chi^2$/NDF: 197573.5/38

reg_asym_left_dd_diff_bpm1X_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -42.742+/-0.602 $\chi^2$/NDF:68.1/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -43.985+/-0.695 $\chi^2$/NDF:1.3/1

Left: -43.276+/-0.455 $\chi^2$/NDF: 71.3/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -43.985+/-0.695 $\chi^2$/NDF:1.3/1

Out: -42.742+/-0.602 $\chi^2$/NDF:68.1/2

All: -43.276+/-0.455 $\chi^2$/NDF: 71.3/4

reg_asym_left_dd_diff_bpm4aY_slope vs Slug, Sign Corrected

Right In: 3.532+/-0.217 $\chi^2$/NDF: 443.2/15

Left Out: 1.270+/-0.507 $\chi^2$/NDF:5.2/2

Right Out: 4.303+/-0.222 $\chi^2$/NDF: 352.8/17

Left In: -0.776+/-0.674 $\chi^2$/NDF:3.1/1

Left: 0.530+/-0.405 $\chi^2$/NDF: 14.1/4

Right: 3.910+/-0.155 $\chi^2$/NDF: 802.2/33

In: 3.127+/-0.207 $\chi^2$/NDF:483.3/17

Out: 3.818+/-0.203 $\chi^2$/NDF:387.9/20

All: 3.479+/-0.145 $\chi^2$/NDF: 877.0/38

reg_asym_left_dd_diff_bpm4eX_slope vs Slug, Sign Corrected

Right In: 29.367+/-0.416 $\chi^2$/NDF: 1488.7/15

Left Out: 18.145+/-0.647 $\chi^2$/NDF:86.1/2

Right Out: 29.719+/-0.402 $\chi^2$/NDF: 2129.5/17

Left In: 19.750+/-0.746 $\chi^2$/NDF:0.1/1

Left: 18.833+/-0.489 $\chi^2$/NDF: 88.9/4

Right: 29.549+/-0.289 $\chi^2$/NDF: 3618.6/33

In: 27.084+/-0.364 $\chi^2$/NDF:1615.4/17

Out: 26.488+/-0.342 $\chi^2$/NDF:2446.4/20

All: 26.768+/-0.249 $\chi^2$/NDF: 4063.3/38

reg_asym_left_dd_diff_bpm4eY_slope vs Slug, Sign Corrected

Right In: 4.794+/-0.251 $\chi^2$/NDF: 550.0/15

Left Out: 12.049+/-0.602 $\chi^2$/NDF:6.0/2

Right Out: 3.591+/-0.254 $\chi^2$/NDF: 573.3/17

Left In: 14.310+/-0.777 $\chi^2$/NDF:24.4/1

Left: 12.898+/-0.476 $\chi^2$/NDF: 35.7/4

Right: 4.201+/-0.179 $\chi^2$/NDF: 1134.6/33

In: 5.695+/-0.239 $\chi^2$/NDF:710.3/17

Out: 4.873+/-0.234 $\chi^2$/NDF:746.8/20

All: 5.276+/-0.167 $\chi^2$/NDF: 1463.2/38

reg_asym_left_dd_diff_bpm12X_slope vs Slug, Sign Corrected

Right In: -19.883+/-0.016 $\chi^2$/NDF: 26063.5/15

Left Out: -25.694+/-0.027 $\chi^2$/NDF:18388.1/2

Right Out: -18.390+/-0.015 $\chi^2$/NDF: 301247.7/17

Left In: -24.621+/-0.028 $\chi^2$/NDF:9649.0/1

Left: -25.181+/-0.019 $\chi^2$/NDF: 28813.9/4

Right: -19.096+/-0.011 $\chi^2$/NDF: 332167.8/33

In: -21.012+/-0.014 $\chi^2$/NDF:57814.7/17

Out: -20.104+/-0.013 $\chi^2$/NDF:377281.1/20

All: -20.535+/-0.009 $\chi^2$/NDF: 437449.3/38

reg_asym_right_avg_diff_bpm1X_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -27.398+/-0.588 $\chi^2$/NDF:77.1/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -38.613+/-0.688 $\chi^2$/NDF:96.7/1

Left: -32.133+/-0.447 $\chi^2$/NDF: 327.3/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -38.613+/-0.688 $\chi^2$/NDF:96.7/1

Out: -27.398+/-0.588 $\chi^2$/NDF:77.1/2

All: -32.133+/-0.447 $\chi^2$/NDF: 327.3/4

reg_asym_right_avg_diff_bpm4aY_slope vs Slug, Sign Corrected

Right In: 2.444+/-0.311 $\chi^2$/NDF: 295.3/16

Left Out: -3.081+/-0.487 $\chi^2$/NDF:29.2/2

Right Out: 3.726+/-0.327 $\chi^2$/NDF: 269.1/18

Left In: -1.994+/-0.652 $\chi^2$/NDF:12.9/1

Left: -2.692+/-0.390 $\chi^2$/NDF: 43.9/4

Right: 3.053+/-0.225 $\chi^2$/NDF: 572.5/35

In: 1.621+/-0.281 $\chi^2$/NDF:345.9/18

Out: 1.613+/-0.271 $\chi^2$/NDF:432.9/21

All: 1.617+/-0.195 $\chi^2$/NDF: 778.9/40

reg_asym_right_avg_diff_bpm4eX_slope vs Slug, Sign Corrected

Right In: 76.572+/-0.573 $\chi^2$/NDF: 2253.6/16

Left Out: 60.328+/-0.631 $\chi^2$/NDF:92.1/2

Right Out: 81.923+/-0.592 $\chi^2$/NDF: 1570.6/18

Left In: 72.576+/-0.738 $\chi^2$/NDF:83.4/1

Left: 65.500+/-0.480 $\chi^2$/NDF: 334.4/4

Right: 79.162+/-0.412 $\chi^2$/NDF: 3866.3/35

In: 75.070+/-0.453 $\chi^2$/NDF:2355.2/18

Out: 71.820+/-0.432 $\chi^2$/NDF:2285.4/21

All: 73.367+/-0.312 $\chi^2$/NDF: 4667.6/40

reg_asym_right_avg_diff_bpm4eY_slope vs Slug, Sign Corrected

Right In: 5.442+/-0.357 $\chi^2$/NDF: 387.5/16

Left Out: 15.146+/-0.580 $\chi^2$/NDF:22.6/2

Right Out: 3.585+/-0.375 $\chi^2$/NDF: 423.2/18

Left In: 13.051+/-0.755 $\chi^2$/NDF:39.1/1

Left: 14.369+/-0.460 $\chi^2$/NDF: 66.6/4

Right: 4.559+/-0.259 $\chi^2$/NDF: 823.5/35

In: 6.835+/-0.323 $\chi^2$/NDF:509.6/18

Out: 6.998+/-0.315 $\chi^2$/NDF:726.1/21

All: 6.918+/-0.226 $\chi^2$/NDF: 1235.8/40

reg_asym_right_avg_diff_bpm12X_slope vs Slug, Sign Corrected

Right In: -20.630+/-0.019 $\chi^2$/NDF: 12490.5/16

Left Out: -23.716+/-0.026 $\chi^2$/NDF:2728.8/2

Right Out: -20.650+/-0.019 $\chi^2$/NDF: 13885.7/18

Left In: -22.904+/-0.028 $\chi^2$/NDF:1168.5/1

Left: -23.335+/-0.019 $\chi^2$/NDF: 4352.1/4

Right: -20.640+/-0.014 $\chi^2$/NDF: 26376.6/35

In: -21.370+/-0.016 $\chi^2$/NDF:18184.7/18

Out: -21.742+/-0.016 $\chi^2$/NDF:25489.7/21

All: -21.559+/-0.011 $\chi^2$/NDF: 43954.4/40

reg_asym_right_dd_diff_bpm1X_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -27.483+/-0.589 $\chi^2$/NDF:73.1/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -38.576+/-0.689 $\chi^2$/NDF:98.0/1

Left: -32.166+/-0.447 $\chi^2$/NDF: 321.0/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -38.576+/-0.689 $\chi^2$/NDF:98.0/1

Out: -27.483+/-0.589 $\chi^2$/NDF:73.1/2

All: -32.166+/-0.447 $\chi^2$/NDF: 321.0/4

reg_asym_right_dd_diff_bpm4aY_slope vs Slug, Sign Corrected

Right In: 2.448+/-0.311 $\chi^2$/NDF: 293.4/16

Left Out: -2.950+/-0.488 $\chi^2$/NDF:30.3/2

Right Out: 3.611+/-0.318 $\chi^2$/NDF: 279.4/18

Left In: -1.859+/-0.652 $\chi^2$/NDF:12.6/1

Left: -2.559+/-0.391 $\chi^2$/NDF: 44.6/4

Right: 3.017+/-0.223 $\chi^2$/NDF: 579.6/35

In: 1.649+/-0.281 $\chi^2$/NDF:341.5/18

Out: 1.651+/-0.266 $\chi^2$/NDF:436.7/21

All: 1.650+/-0.193 $\chi^2$/NDF: 778.2/40

reg_asym_right_dd_diff_bpm4eX_slope vs Slug, Sign Corrected

Right In: 76.687+/-0.574 $\chi^2$/NDF: 2265.1/16

Left Out: 60.423+/-0.632 $\chi^2$/NDF:87.8/2

Right Out: 70.386+/-0.550 $\chi^2$/NDF: 4391.1/18

Left In: 72.555+/-0.739 $\chi^2$/NDF:84.3/1

Left: 65.546+/-0.480 $\chi^2$/NDF: 327.9/4

Right: 73.402+/-0.397 $\chi^2$/NDF: 6719.1/35

In: 75.133+/-0.453 $\chi^2$/NDF:2368.9/18

Out: 66.092+/-0.415 $\chi^2$/NDF:4620.5/21

All: 70.213+/-0.306 $\chi^2$/NDF: 7206.1/40

reg_asym_right_dd_diff_bpm4eY_slope vs Slug, Sign Corrected

Right In: 5.439+/-0.357 $\chi^2$/NDF: 385.9/16

Left Out: 15.022+/-0.580 $\chi^2$/NDF:23.5/2

Right Out: 3.275+/-0.365 $\chi^2$/NDF: 425.8/18

Left In: 12.894+/-0.755 $\chi^2$/NDF:38.6/1

Left: 14.232+/-0.460 $\chi^2$/NDF: 67.0/4

Right: 4.381+/-0.256 $\chi^2$/NDF: 829.6/35

In: 6.804+/-0.323 $\chi^2$/NDF:504.1/18

Out: 6.610+/-0.309 $\chi^2$/NDF:742.8/21

All: 6.703+/-0.223 $\chi^2$/NDF: 1247.1/40

reg_asym_right_dd_diff_bpm12X_slope vs Slug, Sign Corrected

Right In: -20.632+/-0.019 $\chi^2$/NDF: 12530.8/16

Left Out: -23.725+/-0.026 $\chi^2$/NDF:2703.3/2

Right Out: -17.591+/-0.018 $\chi^2$/NDF: 178680.7/18

Left In: -22.913+/-0.028 $\chi^2$/NDF:1157.0/1

Left: -23.343+/-0.019 $\chi^2$/NDF: 4313.5/4

Right: -19.007+/-0.013 $\chi^2$/NDF: 204486.4/35

In: -21.374+/-0.016 $\chi^2$/NDF:18239.9/18

Out: -19.566+/-0.015 $\chi^2$/NDF:218724.8/21

All: -20.411+/-0.011 $\chi^2$/NDF: 243902.8/40

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -8.792+/-0.207 $\chi^2$/NDF:96.3/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -3.915+/-0.221 $\chi^2$/NDF:29.8/1

Left: -6.519+/-0.151 $\chi^2$/NDF: 385.5/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -3.915+/-0.221 $\chi^2$/NDF:29.8/1

Out: -8.792+/-0.207 $\chi^2$/NDF:96.3/2

All: -6.519+/-0.151 $\chi^2$/NDF: 385.5/4

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug, Sign Corrected

Right In: -5.411+/-0.055 $\chi^2$/NDF: 9261.2/16

Left Out: 4.048+/-0.173 $\chi^2$/NDF:401.7/2

Right Out: -7.060+/-0.059 $\chi^2$/NDF: 12329.4/18

Left In: 3.314+/-0.225 $\chi^2$/NDF:823.9/1

Left: 3.775+/-0.137 $\chi^2$/NDF: 1232.3/4

Right: -6.173+/-0.040 $\chi^2$/NDF: 22010.3/35

In: -4.923+/-0.053 $\chi^2$/NDF:11506.2/18

Out: -5.904+/-0.056 $\chi^2$/NDF:16415.6/21

All: -5.389+/-0.039 $\chi^2$/NDF: 28083.5/40

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug, Sign Corrected

Right In: 5.824+/-0.090 $\chi^2$/NDF: 1452.6/16

Left Out: 5.299+/-0.222 $\chi^2$/NDF:78.6/2

Right Out: 6.056+/-0.093 $\chi^2$/NDF: 2668.9/18

Left In: -0.871+/-0.237 $\chi^2$/NDF:97.6/1

Left: 2.423+/-0.162 $\chi^2$/NDF: 537.2/4

Right: 5.935+/-0.065 $\chi^2$/NDF: 4124.7/35

In: 4.989+/-0.084 $\chi^2$/NDF:2247.0/18

Out: 5.942+/-0.086 $\chi^2$/NDF:2757.3/21

All: 5.453+/-0.060 $\chi^2$/NDF: 5067.3/40

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug, Sign Corrected

Right In: 6.432+/-0.065 $\chi^2$/NDF: 123486.3/16

Left Out: 50.045+/-0.206 $\chi^2$/NDF:296.4/2

Right Out: 10.060+/-0.070 $\chi^2$/NDF: 121816.0/18

Left In: 50.993+/-0.258 $\chi^2$/NDF:557.5/1

Left: 50.415+/-0.161 $\chi^2$/NDF: 862.1/4

Right: 8.110+/-0.047 $\chi^2$/NDF: 246756.9/35

In: 9.077+/-0.063 $\chi^2$/NDF:152200.4/18

Out: 14.170+/-0.066 $\chi^2$/NDF:155900.4/21

All: 11.493+/-0.045 $\chi^2$/NDF: 311225.8/40

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug, Sign Corrected

Right In: 0.215+/-0.003 $\chi^2$/NDF: 3930.1/16

Left Out: 0.145+/-0.009 $\chi^2$/NDF:46.9/2

Right Out: 0.186+/-0.003 $\chi^2$/NDF: 2720.3/18

Left In: 0.163+/-0.009 $\chi^2$/NDF:10.1/1

Left: 0.155+/-0.006 $\chi^2$/NDF: 59.0/4

Right: 0.200+/-0.002 $\chi^2$/NDF: 6707.1/35

In: 0.210+/-0.003 $\chi^2$/NDF:3970.7/18

Out: 0.183+/-0.003 $\chi^2$/NDF:2785.3/21

All: 0.196+/-0.002 $\chi^2$/NDF: 6812.4/40

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 1.020+/-0.383 $\chi^2$/NDF:16.3/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -1.746+/-0.395 $\chi^2$/NDF:0.4/1

Left: -0.320+/-0.275 $\chi^2$/NDF: 42.0/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -1.746+/-0.395 $\chi^2$/NDF:0.4/1

Out: 1.020+/-0.383 $\chi^2$/NDF:16.3/2

All: -0.320+/-0.275 $\chi^2$/NDF: 42.0/4

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug, Sign Corrected

Right In: -59.914+/-0.223 $\chi^2$/NDF: 1979.5/16

Left Out: -59.729+/-0.333 $\chi^2$/NDF:68.0/2

Right Out: -59.468+/-0.212 $\chi^2$/NDF: 2912.7/18

Left In: -60.446+/-0.425 $\chi^2$/NDF:215.8/1

Left: -60.001+/-0.262 $\chi^2$/NDF: 285.6/4

Right: -59.680+/-0.154 $\chi^2$/NDF: 4894.3/35

In: -60.029+/-0.197 $\chi^2$/NDF:2196.5/18

Out: -59.543+/-0.179 $\chi^2$/NDF:2981.2/21

All: -59.762+/-0.133 $\chi^2$/NDF: 5181.0/40

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug, Sign Corrected

Right In: 2.188+/-0.404 $\chi^2$/NDF: 39.1/16

Left Out: -7.396+/-0.411 $\chi^2$/NDF:11.0/2

Right Out: 2.733+/-0.388 $\chi^2$/NDF: 58.9/18

Left In: -4.974+/-0.424 $\chi^2$/NDF:0.0/1

Left: -6.223+/-0.295 $\chi^2$/NDF: 27.9/4

Right: 2.472+/-0.280 $\chi^2$/NDF: 98.9/35

In: -1.222+/-0.292 $\chi^2$/NDF:188.7/18

Out: -2.038+/-0.282 $\chi^2$/NDF:391.6/21

All: -1.645+/-0.203 $\chi^2$/NDF: 584.3/40

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug, Sign Corrected

Right In: -32.817+/-0.254 $\chi^2$/NDF: 4666.6/16

Left Out: -35.280+/-0.392 $\chi^2$/NDF:61.4/2

Right Out: -32.501+/-0.244 $\chi^2$/NDF: 6037.9/18

Left In: -34.522+/-0.481 $\chi^2$/NDF:112.7/1

Left: -34.977+/-0.304 $\chi^2$/NDF: 175.7/4

Right: -32.652+/-0.176 $\chi^2$/NDF: 10705.2/35

In: -33.189+/-0.225 $\chi^2$/NDF:4789.2/18

Out: -33.276+/-0.207 $\chi^2$/NDF:6135.5/21

All: -33.236+/-0.152 $\chi^2$/NDF: 10924.7/40

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug, Sign Corrected

Right In: 0.090+/-0.013 $\chi^2$/NDF: 79.2/16

Left Out: 0.283+/-0.017 $\chi^2$/NDF:0.4/2

Right Out: 0.058+/-0.012 $\chi^2$/NDF: 87.3/18

Left In: 0.236+/-0.016 $\chi^2$/NDF:54.5/1

Left: 0.258+/-0.012 $\chi^2$/NDF: 59.1/4

Right: 0.074+/-0.009 $\chi^2$/NDF: 169.9/35

In: 0.148+/-0.010 $\chi^2$/NDF:185.7/18

Out: 0.135+/-0.010 $\chi^2$/NDF:205.1/21

All: 0.142+/-0.007 $\chi^2$/NDF: 391.6/40

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -21.114+/-0.422 $\chi^2$/NDF:136.5/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -9.680+/-0.503 $\chi^2$/NDF:79.6/1

Left: -16.397+/-0.323 $\chi^2$/NDF: 519.5/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -9.680+/-0.503 $\chi^2$/NDF:79.6/1

Out: -21.114+/-0.422 $\chi^2$/NDF:136.5/2

All: -16.397+/-0.323 $\chi^2$/NDF: 519.5/4

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug, Sign Corrected

Right In: 3.725+/-0.308 $\chi^2$/NDF: 136.8/16

Left Out: 8.208+/-0.332 $\chi^2$/NDF:111.4/2

Right Out: 3.885+/-0.316 $\chi^2$/NDF: 134.4/18

Left In: 6.057+/-0.438 $\chi^2$/NDF:16.5/1

Left: 7.422+/-0.265 $\chi^2$/NDF: 143.2/4

Right: 3.803+/-0.221 $\chi^2$/NDF: 271.3/35

In: 4.499+/-0.252 $\chi^2$/NDF:172.2/18

Out: 5.940+/-0.229 $\chi^2$/NDF:334.6/21

All: 5.288+/-0.170 $\chi^2$/NDF: 524.7/40

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug, Sign Corrected

Right In: -56.379+/-0.542 $\chi^2$/NDF: 587.4/16

Left Out: -60.180+/-0.452 $\chi^2$/NDF:76.9/2

Right Out: -57.258+/-0.536 $\chi^2$/NDF: 476.1/18

Left In: -70.612+/-0.539 $\chi^2$/NDF:88.9/1

Left: -64.489+/-0.346 $\chi^2$/NDF: 386.0/4

Right: -56.823+/-0.381 $\chi^2$/NDF: 1064.8/35

In: -63.540+/-0.382 $\chi^2$/NDF:1023.4/18

Out: -58.966+/-0.345 $\chi^2$/NDF:570.3/21

All: -61.024+/-0.256 $\chi^2$/NDF: 1672.6/40

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug, Sign Corrected

Right In: 2.473+/-0.345 $\chi^2$/NDF: 243.6/16

Left Out: -1.991+/-0.399 $\chi^2$/NDF:119.2/2

Right Out: 1.928+/-0.355 $\chi^2$/NDF: 266.6/18

Left In: 0.865+/-0.515 $\chi^2$/NDF:6.7/1

Left: -0.920+/-0.316 $\chi^2$/NDF: 145.0/4

Right: 2.208+/-0.248 $\chi^2$/NDF: 511.4/35

In: 1.974+/-0.287 $\chi^2$/NDF:257.0/18

Out: 0.199+/-0.265 $\chi^2$/NDF:439.6/21

All: 1.017+/-0.195 $\chi^2$/NDF: 717.3/40

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug, Sign Corrected

Right In: -0.235+/-0.019 $\chi^2$/NDF: 958.4/16

Left Out: 0.356+/-0.019 $\chi^2$/NDF:11.6/2

Right Out: -0.391+/-0.019 $\chi^2$/NDF: 853.3/18

Left In: 0.345+/-0.021 $\chi^2$/NDF:0.1/1

Left: 0.351+/-0.014 $\chi^2$/NDF: 11.8/4

Right: -0.312+/-0.013 $\chi^2$/NDF: 1845.8/35

In: 0.030+/-0.014 $\chi^2$/NDF:1388.6/18

Out: -0.015+/-0.013 $\chi^2$/NDF:1645.2/21

All: 0.006+/-0.010 $\chi^2$/NDF: 3039.3/40

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -32.328+/-0.239 $\chi^2$/NDF:105.1/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -27.945+/-0.278 $\chi^2$/NDF:36.0/1

Left: -30.468+/-0.181 $\chi^2$/NDF: 283.7/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -27.945+/-0.278 $\chi^2$/NDF:36.0/1

Out: -32.328+/-0.239 $\chi^2$/NDF:105.1/2

All: -30.468+/-0.181 $\chi^2$/NDF: 283.7/4

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug, Sign Corrected

Right In: -7.646+/-0.186 $\chi^2$/NDF: 393.6/16

Left Out: -6.501+/-0.187 $\chi^2$/NDF:48.7/2

Right Out: -7.992+/-0.186 $\chi^2$/NDF: 225.5/18

Left In: -8.198+/-0.241 $\chi^2$/NDF:48.5/1

Left: -7.140+/-0.148 $\chi^2$/NDF: 128.1/4

Right: -7.819+/-0.131 $\chi^2$/NDF: 620.8/35

In: -7.851+/-0.147 $\chi^2$/NDF:445.4/18

Out: -7.253+/-0.132 $\chi^2$/NDF:306.1/21

All: -7.520+/-0.098 $\chi^2$/NDF: 760.7/40

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected

Right In: 10.077+/-0.337 $\chi^2$/NDF: 252.8/16

Left Out: -11.310+/-0.256 $\chi^2$/NDF:62.3/2

Right Out: 12.620+/-0.332 $\chi^2$/NDF: 220.0/18

Left In: -14.255+/-0.298 $\chi^2$/NDF:38.2/1

Left: -12.561+/-0.194 $\chi^2$/NDF: 156.7/4

Right: 11.365+/-0.237 $\chi^2$/NDF: 501.6/35

In: -3.574+/-0.223 $\chi^2$/NDF:3219.6/18

Out: -2.399+/-0.203 $\chi^2$/NDF:3534.4/21

All: -2.931+/-0.150 $\chi^2$/NDF: 6769.2/40

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected

Right In: 20.965+/-0.209 $\chi^2$/NDF: 1225.5/16

Left Out: 20.461+/-0.225 $\chi^2$/NDF:51.6/2

Right Out: 20.716+/-0.213 $\chi^2$/NDF: 729.9/18

Left In: 22.681+/-0.284 $\chi^2$/NDF:52.3/1

Left: 21.317+/-0.177 $\chi^2$/NDF: 141.4/4

Right: 20.842+/-0.149 $\chi^2$/NDF: 1956.1/35

In: 21.569+/-0.169 $\chi^2$/NDF:1301.3/18

Out: 20.595+/-0.155 $\chi^2$/NDF:782.2/21

All: 21.040+/-0.114 $\chi^2$/NDF: 2101.6/40

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected

Right In: -0.172+/-0.011 $\chi^2$/NDF: 464.2/16

Left Out: -0.038+/-0.011 $\chi^2$/NDF:8.6/2

Right Out: -0.222+/-0.011 $\chi^2$/NDF: 536.1/18

Left In: -0.020+/-0.011 $\chi^2$/NDF:1.3/1

Left: -0.030+/-0.008 $\chi^2$/NDF: 11.2/4

Right: -0.198+/-0.008 $\chi^2$/NDF: 1010.7/35

In: -0.098+/-0.008 $\chi^2$/NDF:555.1/18

Out: -0.128+/-0.008 $\chi^2$/NDF:689.3/21

All: -0.114+/-0.006 $\chi^2$/NDF: 1251.9/40

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -16.682+/-0.397 $\chi^2$/NDF:28.0/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -9.425+/-0.475 $\chi^2$/NDF:91.4/1

Left: -13.700+/-0.305 $\chi^2$/NDF: 256.8/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -9.425+/-0.475 $\chi^2$/NDF:91.4/1

Out: -16.682+/-0.397 $\chi^2$/NDF:28.0/2

All: -13.700+/-0.305 $\chi^2$/NDF: 256.8/4

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug, Sign Corrected

Right In: 7.736+/-0.403 $\chi^2$/NDF: 1358.4/16

Left Out: 5.943+/-0.318 $\chi^2$/NDF:17.5/2

Right Out: 6.040+/-0.434 $\chi^2$/NDF: 1512.1/18

Left In: 2.553+/-0.425 $\chi^2$/NDF:582.0/1

Left: 4.723+/-0.255 $\chi^2$/NDF: 640.3/4

Right: 6.952+/-0.295 $\chi^2$/NDF: 2878.8/35

In: 5.282+/-0.292 $\chi^2$/NDF:2018.9/18

Out: 5.977+/-0.257 $\chi^2$/NDF:1529.7/21

All: 5.674+/-0.193 $\chi^2$/NDF: 3551.8/40

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug, Sign Corrected

Right In: -50.966+/-0.738 $\chi^2$/NDF: 332.7/16

Left Out: -53.314+/-0.426 $\chi^2$/NDF:17.4/2

Right Out: -49.497+/-0.797 $\chi^2$/NDF: 510.4/18

Left In: -59.313+/-0.509 $\chi^2$/NDF:108.8/1

Left: -55.782+/-0.326 $\chi^2$/NDF: 208.0/4

Right: -50.288+/-0.541 $\chi^2$/NDF: 844.9/35

In: -56.620+/-0.419 $\chi^2$/NDF:528.2/18

Out: -52.468+/-0.375 $\chi^2$/NDF:545.6/21

All: -54.317+/-0.280 $\chi^2$/NDF: 1128.3/40

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug, Sign Corrected

Right In: -63.656+/-0.445 $\chi^2$/NDF: 2014.7/16

Left Out: -42.586+/-0.382 $\chi^2$/NDF:8.8/2

Right Out: -64.470+/-0.483 $\chi^2$/NDF: 1606.8/18

Left In: -37.288+/-0.498 $\chi^2$/NDF:397.6/1

Left: -40.625+/-0.303 $\chi^2$/NDF: 477.7/4

Right: -64.030+/-0.327 $\chi^2$/NDF: 3623.1/35

In: -51.936+/-0.332 $\chi^2$/NDF:3970.3/18

Out: -51.011+/-0.299 $\chi^2$/NDF:2880.8/21

All: -51.426+/-0.222 $\chi^2$/NDF: 6855.4/40

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug, Sign Corrected

Right In: 0.149+/-0.024 $\chi^2$/NDF: 989.9/16

Left Out: 0.656+/-0.018 $\chi^2$/NDF:0.4/2

Right Out: -0.054+/-0.026 $\chi^2$/NDF: 1167.9/18

Left In: 0.689+/-0.019 $\chi^2$/NDF:3.0/1

Left: 0.671+/-0.013 $\chi^2$/NDF: 5.0/4

Right: 0.056+/-0.018 $\chi^2$/NDF: 2190.5/35

In: 0.476+/-0.015 $\chi^2$/NDF:1299.9/18

Out: 0.433+/-0.015 $\chi^2$/NDF:1672.1/21

All: 0.454+/-0.011 $\chi^2$/NDF: 2976.1/40

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -42.494+/-0.920 $\chi^2$/NDF:5.8/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -33.203+/-1.096 $\chi^2$/NDF:31.8/1

Left: -38.654+/-0.705 $\chi^2$/NDF: 79.7/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -33.203+/-1.096 $\chi^2$/NDF:31.8/1

Out: -42.494+/-0.920 $\chi^2$/NDF:5.8/2

All: -38.654+/-0.705 $\chi^2$/NDF: 79.7/4

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected

Right In: -46.300+/-0.723 $\chi^2$/NDF: 1084.0/16

Left Out: -43.702+/-0.761 $\chi^2$/NDF:40.0/2

Right Out: -49.008+/-0.764 $\chi^2$/NDF: 1271.7/18

Left In: -51.806+/-1.032 $\chi^2$/NDF:634.8/1

Left: -46.559+/-0.613 $\chi^2$/NDF: 714.8/4

Right: -47.580+/-0.525 $\chi^2$/NDF: 2362.3/35

In: -48.113+/-0.592 $\chi^2$/NDF:1738.0/18

Out: -46.346+/-0.539 $\chi^2$/NDF:1335.8/21

All: -47.147+/-0.399 $\chi^2$/NDF: 3078.7/40

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected

Right In: -62.242+/-1.310 $\chi^2$/NDF: 67.4/16

Left Out: -91.263+/-0.987 $\chi^2$/NDF:3.5/2

Right Out: -61.142+/-1.379 $\chi^2$/NDF: 165.6/18

Left In: -100.733+/-1.176 $\chi^2$/NDF:30.6/1

Left: -95.179+/-0.756 $\chi^2$/NDF: 72.2/4

Right: -61.720+/-0.950 $\chi^2$/NDF: 233.3/35

In: -83.566+/-0.875 $\chi^2$/NDF:576.2/18

Out: -81.065+/-0.803 $\chi^2$/NDF:484.5/21

All: -82.208+/-0.591 $\chi^2$/NDF: 1065.1/40

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected

Right In: -107.066+/-0.811 $\chi^2$/NDF: 828.4/16

Left Out: -100.784+/-0.907 $\chi^2$/NDF:40.2/2

Right Out: -104.269+/-0.861 $\chi^2$/NDF: 1018.6/18

Left In: -90.462+/-1.197 $\chi^2$/NDF:448.8/1

Left: -97.018+/-0.723 $\chi^2$/NDF: 536.2/4

Right: -105.751+/-0.590 $\chi^2$/NDF: 1852.6/35

In: -101.842+/-0.672 $\chi^2$/NDF:1408.9/18

Out: -102.618+/-0.625 $\chi^2$/NDF:1066.7/21

All: -102.258+/-0.457 $\chi^2$/NDF: 2476.3/40

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected

Right In: -0.081+/-0.042 $\chi^2$/NDF: 329.0/16

Left Out: 0.881+/-0.041 $\chi^2$/NDF:0.5/2

Right Out: -0.376+/-0.044 $\chi^2$/NDF: 583.0/18

Left In: 0.950+/-0.044 $\chi^2$/NDF:17.0/1

Left: 0.912+/-0.030 $\chi^2$/NDF: 18.9/4

Right: -0.223+/-0.030 $\chi^2$/NDF: 935.4/35

In: 0.410+/-0.031 $\chi^2$/NDF:630.7/18

Out: 0.297+/-0.030 $\chi^2$/NDF:1022.6/21

All: 0.352+/-0.021 $\chi^2$/NDF: 1660.2/40

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -48.901+/-0.731 $\chi^2$/NDF:243.2/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -24.599+/-0.845 $\chi^2$/NDF:71.8/1

Left: -38.506+/-0.553 $\chi^2$/NDF: 787.9/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -24.599+/-0.845 $\chi^2$/NDF:71.8/1

Out: -48.901+/-0.731 $\chi^2$/NDF:243.2/2

All: -38.506+/-0.553 $\chi^2$/NDF: 787.9/4

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug, Sign Corrected

Right In: -7.812+/-0.427 $\chi^2$/NDF: 982.8/16

Left Out: 5.275+/-0.584 $\chi^2$/NDF:447.6/2

Right Out: -5.908+/-0.429 $\chi^2$/NDF: 1293.1/18

Left In: 0.824+/-0.751 $\chi^2$/NDF:610.4/1

Left: 3.596+/-0.461 $\chi^2$/NDF: 1079.9/4

Right: -6.864+/-0.303 $\chi^2$/NDF: 2285.7/35

In: -5.700+/-0.371 $\chi^2$/NDF:1693.0/18

Out: -1.990+/-0.346 $\chi^2$/NDF:1978.7/21

All: -3.713+/-0.253 $\chi^2$/NDF: 3725.1/40

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug, Sign Corrected

Right In: -59.214+/-0.744 $\chi^2$/NDF: 1720.4/16

Left Out: -62.936+/-0.783 $\chi^2$/NDF:176.2/2

Right Out: -60.513+/-0.704 $\chi^2$/NDF: 1383.9/18

Left In: -87.669+/-0.905 $\chi^2$/NDF:103.2/1

Left: -73.522+/-0.592 $\chi^2$/NDF: 706.6/4

Right: -59.899+/-0.511 $\chi^2$/NDF: 3105.9/35

In: -70.686+/-0.575 $\chi^2$/NDF:2413.7/18

Out: -61.596+/-0.524 $\chi^2$/NDF:1565.4/21

All: -65.719+/-0.387 $\chi^2$/NDF: 4115.8/40

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug, Sign Corrected

Right In: 111.599+/-0.487 $\chi^2$/NDF: 5959.5/16

Left Out: 113.979+/-0.700 $\chi^2$/NDF:397.6/2

Right Out: 107.238+/-0.488 $\chi^2$/NDF: 7037.4/18

Left In: 119.099+/-0.880 $\chi^2$/NDF:369.5/1

Left: 115.963+/-0.548 $\chi^2$/NDF: 787.8/4

Right: 109.423+/-0.344 $\chi^2$/NDF: 13037.0/35

In: 113.354+/-0.426 $\chi^2$/NDF:6384.7/18

Out: 109.440+/-0.400 $\chi^2$/NDF:7497.4/21

All: 111.276+/-0.292 $\chi^2$/NDF: 13926.9/40

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug, Sign Corrected

Right In: -0.693+/-0.026 $\chi^2$/NDF: 993.1/16

Left Out: -0.052+/-0.033 $\chi^2$/NDF:40.4/2

Right Out: -0.813+/-0.024 $\chi^2$/NDF: 1310.7/18

Left In: -0.089+/-0.035 $\chi^2$/NDF:4.6/1

Left: -0.069+/-0.024 $\chi^2$/NDF: 45.6/4

Right: -0.756+/-0.018 $\chi^2$/NDF: 2315.2/35

In: -0.477+/-0.021 $\chi^2$/NDF:1193.9/18

Out: -0.540+/-0.020 $\chi^2$/NDF:1701.2/21

All: -0.511+/-0.014 $\chi^2$/NDF: 2900.1/40

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -48.669+/-0.629 $\chi^2$/NDF:130.7/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -32.189+/-0.701 $\chi^2$/NDF:48.5/1

Left: -41.315+/-0.468 $\chi^2$/NDF: 485.1/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -32.189+/-0.701 $\chi^2$/NDF:48.5/1

Out: -48.669+/-0.629 $\chi^2$/NDF:130.7/2

All: -41.315+/-0.468 $\chi^2$/NDF: 485.1/4

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected

Right In: 32.295+/-0.373 $\chi^2$/NDF: 452.2/16

Left Out: 39.245+/-0.510 $\chi^2$/NDF:199.1/2

Right Out: 33.180+/-0.379 $\chi^2$/NDF: 770.3/18

Left In: 35.459+/-0.649 $\chi^2$/NDF:134.8/1

Left: 37.799+/-0.401 $\chi^2$/NDF: 355.0/4

Right: 32.730+/-0.266 $\chi^2$/NDF: 1225.3/35

In: 33.079+/-0.323 $\chi^2$/NDF:604.9/18

Out: 35.336+/-0.304 $\chi^2$/NDF:1060.4/21

All: 34.275+/-0.222 $\chi^2$/NDF: 1691.2/40

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected

Right In: -18.721+/-0.665 $\chi^2$/NDF: 519.6/16

Left Out: -34.755+/-0.674 $\chi^2$/NDF:87.4/2

Right Out: -18.306+/-0.644 $\chi^2$/NDF: 472.6/18

Left In: -49.999+/-0.751 $\chi^2$/NDF:51.5/1

Left: -41.560+/-0.502 $\chi^2$/NDF: 367.0/4

Right: -18.506+/-0.463 $\chi^2$/NDF: 992.4/35

In: -32.478+/-0.498 $\chi^2$/NDF:1543.0/18

Out: -26.147+/-0.466 $\chi^2$/NDF:871.4/21

All: -29.099+/-0.340 $\chi^2$/NDF: 2500.6/40

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected

Right In: 72.875+/-0.426 $\chi^2$/NDF: 4737.9/16

Left Out: 77.644+/-0.610 $\chi^2$/NDF:160.5/2

Right Out: 70.815+/-0.433 $\chi^2$/NDF: 5489.3/18

Left In: 81.539+/-0.756 $\chi^2$/NDF:66.8/1

Left: 79.180+/-0.475 $\chi^2$/NDF: 243.4/4

Right: 71.863+/-0.304 $\chi^2$/NDF: 10238.7/35

In: 74.963+/-0.371 $\chi^2$/NDF:4904.5/18

Out: 73.105+/-0.353 $\chi^2$/NDF:5733.1/21

All: 73.989+/-0.256 $\chi^2$/NDF: 10650.7/40

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected

Right In: -0.499+/-0.022 $\chi^2$/NDF: 303.5/16

Left Out: -0.307+/-0.028 $\chi^2$/NDF:14.9/2

Right Out: -0.561+/-0.021 $\chi^2$/NDF: 562.3/18

Left In: -0.285+/-0.029 $\chi^2$/NDF:17.8/1

Left: -0.296+/-0.020 $\chi^2$/NDF: 33.0/4

Right: -0.532+/-0.015 $\chi^2$/NDF: 869.9/35

In: -0.418+/-0.018 $\chi^2$/NDF:356.3/18

Out: -0.468+/-0.017 $\chi^2$/NDF:629.1/21

All: -0.444+/-0.012 $\chi^2$/NDF: 989.6/40

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -15.797+/-0.222 $\chi^2$/NDF:12.9/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -14.494+/-0.250 $\chi^2$/NDF:9.2/1

Left: -15.221+/-0.166 $\chi^2$/NDF: 37.4/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -14.494+/-0.250 $\chi^2$/NDF:9.2/1

Out: -15.797+/-0.222 $\chi^2$/NDF:12.9/2

All: -15.221+/-0.166 $\chi^2$/NDF: 37.4/4

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug, Sign Corrected

Right In: -34.042+/-0.151 $\chi^2$/NDF: 1340.8/16

Left Out: -32.691+/-0.187 $\chi^2$/NDF:10.4/2

Right Out: -34.277+/-0.151 $\chi^2$/NDF: 1349.5/18

Left In: -34.118+/-0.247 $\chi^2$/NDF:239.9/1

Left: -33.211+/-0.149 $\chi^2$/NDF: 271.5/4

Right: -34.159+/-0.107 $\chi^2$/NDF: 2691.4/35

In: -34.062+/-0.129 $\chi^2$/NDF:1580.7/18

Out: -33.651+/-0.117 $\chi^2$/NDF:1403.4/21

All: -33.838+/-0.087 $\chi^2$/NDF: 2989.7/40

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug, Sign Corrected

Right In: 5.435+/-0.270 $\chi^2$/NDF: 132.0/16

Left Out: -9.578+/-0.238 $\chi^2$/NDF:24.2/2

Right Out: 7.177+/-0.274 $\chi^2$/NDF: 182.6/18

Left In: -10.182+/-0.268 $\chi^2$/NDF:14.8/1

Left: -9.845+/-0.178 $\chi^2$/NDF: 41.8/4

Right: 6.291+/-0.192 $\chi^2$/NDF: 335.1/35

In: -2.424+/-0.190 $\chi^2$/NDF:1835.7/18

Out: -2.369+/-0.180 $\chi^2$/NDF:2334.7/21

All: -2.395+/-0.131 $\chi^2$/NDF: 4170.5/40

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug, Sign Corrected

Right In: -5.553+/-0.170 $\chi^2$/NDF: 2125.3/16

Left Out: -7.881+/-0.222 $\chi^2$/NDF:12.6/2

Right Out: -4.782+/-0.173 $\chi^2$/NDF: 2040.4/18

Left In: -6.008+/-0.284 $\chi^2$/NDF:151.7/1

Left: -7.170+/-0.175 $\chi^2$/NDF: 191.4/4

Right: -5.174+/-0.121 $\chi^2$/NDF: 4175.8/35

In: -5.673+/-0.146 $\chi^2$/NDF:2278.9/18

Out: -5.952+/-0.136 $\chi^2$/NDF:2174.5/21

All: -5.822+/-0.100 $\chi^2$/NDF: 4455.3/40

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug, Sign Corrected

Right In: -0.059+/-0.008 $\chi^2$/NDF: 217.6/16

Left Out: 0.122+/-0.010 $\chi^2$/NDF:2.8/2

Right Out: -0.103+/-0.008 $\chi^2$/NDF: 435.5/18

Left In: 0.119+/-0.010 $\chi^2$/NDF:43.5/1

Left: 0.120+/-0.007 $\chi^2$/NDF: 46.4/4

Right: -0.081+/-0.006 $\chi^2$/NDF: 666.4/35

In: 0.014+/-0.006 $\chi^2$/NDF:447.0/18

Out: -0.007+/-0.006 $\chi^2$/NDF:741.1/21

All: 0.003+/-0.005 $\chi^2$/NDF: 1193.6/40

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 6.224+/-0.225 $\chi^2$/NDF:25.5/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 2.404+/-0.267 $\chi^2$/NDF:37.2/1

Left: 4.638+/-0.172 $\chi^2$/NDF: 182.9/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 2.404+/-0.267 $\chi^2$/NDF:37.2/1

Out: 6.224+/-0.225 $\chi^2$/NDF:25.5/2

All: 4.638+/-0.172 $\chi^2$/NDF: 182.9/4

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug, Sign Corrected

Right In: -2.930+/-0.154 $\chi^2$/NDF: 146.5/16

Left Out: -2.506+/-0.180 $\chi^2$/NDF:7.0/2

Right Out: -3.544+/-0.155 $\chi^2$/NDF: 291.7/18

Left In: -1.936+/-0.243 $\chi^2$/NDF:47.2/1

Left: -2.303+/-0.145 $\chi^2$/NDF: 57.7/4

Right: -3.236+/-0.109 $\chi^2$/NDF: 446.1/35

In: -2.645+/-0.130 $\chi^2$/NDF:205.7/18

Out: -3.105+/-0.117 $\chi^2$/NDF:317.7/21

All: -2.898+/-0.087 $\chi^2$/NDF: 530.3/40

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected

Right In: 29.969+/-0.267 $\chi^2$/NDF: 554.3/16

Left Out: 32.810+/-0.241 $\chi^2$/NDF:8.9/2

Right Out: 31.000+/-0.260 $\chi^2$/NDF: 479.5/18

Left In: 35.626+/-0.286 $\chi^2$/NDF:24.1/1

Left: 33.980+/-0.184 $\chi^2$/NDF: 89.9/4

Right: 30.497+/-0.186 $\chi^2$/NDF: 1041.5/35

In: 32.605+/-0.195 $\chi^2$/NDF:788.1/18

Out: 31.974+/-0.177 $\chi^2$/NDF:514.4/21

All: 32.258+/-0.131 $\chi^2$/NDF: 1308.3/40

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected

Right In: 13.948+/-0.172 $\chi^2$/NDF: 7391.9/16

Left Out: 26.449+/-0.216 $\chi^2$/NDF:11.8/2

Right Out: 12.435+/-0.174 $\chi^2$/NDF: 6962.9/18

Left In: 25.641+/-0.284 $\chi^2$/NDF:39.6/1

Left: 26.152+/-0.172 $\chi^2$/NDF: 56.5/4

Right: 13.199+/-0.122 $\chi^2$/NDF: 14393.1/35

In: 17.086+/-0.147 $\chi^2$/NDF:8672.1/18

Out: 17.932+/-0.135 $\chi^2$/NDF:9528.7/21

All: 17.544+/-0.100 $\chi^2$/NDF: 18218.7/40

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected

Right In: 0.205+/-0.009 $\chi^2$/NDF: 846.2/16

Left Out: -0.106+/-0.010 $\chi^2$/NDF:0.5/2

Right Out: 0.139+/-0.009 $\chi^2$/NDF: 3016.8/18

Left In: -0.097+/-0.011 $\chi^2$/NDF:2.3/1

Left: -0.102+/-0.007 $\chi^2$/NDF: 3.1/4

Right: 0.171+/-0.007 $\chi^2$/NDF: 3888.5/35

In: 0.076+/-0.007 $\chi^2$/NDF:1293.8/18

Out: 0.027+/-0.007 $\chi^2$/NDF:3341.4/21

All: 0.050+/-0.005 $\chi^2$/NDF: 4660.5/40

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -45.954+/-0.573 $\chi^2$/NDF:74.1/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -33.851+/-0.695 $\chi^2$/NDF:64.9/1

Left: -41.053+/-0.442 $\chi^2$/NDF: 319.7/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -33.851+/-0.695 $\chi^2$/NDF:64.9/1

Out: -45.954+/-0.573 $\chi^2$/NDF:74.1/2

All: -41.053+/-0.442 $\chi^2$/NDF: 319.7/4

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug, Sign Corrected

Right In: -8.257+/-0.462 $\chi^2$/NDF: 412.1/16

Left Out: -1.861+/-0.456 $\chi^2$/NDF:7.4/2

Right Out: -10.446+/-0.491 $\chi^2$/NDF: 428.4/18

Left In: -6.847+/-0.609 $\chi^2$/NDF:168.4/1

Left: -3.653+/-0.365 $\chi^2$/NDF: 218.8/4

Right: -9.285+/-0.337 $\chi^2$/NDF: 851.1/35

In: -7.742+/-0.368 $\chi^2$/NDF:584.0/18

Out: -5.837+/-0.334 $\chi^2$/NDF:599.8/21

All: -6.698+/-0.248 $\chi^2$/NDF: 1198.4/40

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug, Sign Corrected

Right In: -43.082+/-0.834 $\chi^2$/NDF: 99.2/16

Left Out: -62.568+/-0.614 $\chi^2$/NDF:51.8/2

Right Out: -43.262+/-0.866 $\chi^2$/NDF: 154.2/18

Left In: -74.317+/-0.744 $\chi^2$/NDF:71.8/1

Left: -67.330+/-0.473 $\chi^2$/NDF: 271.9/4

Right: -43.169+/-0.601 $\chi^2$/NDF: 253.4/35

In: -60.486+/-0.555 $\chi^2$/NDF:952.0/18

Out: -56.114+/-0.501 $\chi^2$/NDF:536.5/21

All: -58.077+/-0.372 $\chi^2$/NDF: 1522.7/40

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug, Sign Corrected

Right In: -12.348+/-0.520 $\chi^2$/NDF: 475.9/16

Left Out: -12.037+/-0.547 $\chi^2$/NDF:3.6/2

Right Out: -10.765+/-0.554 $\chi^2$/NDF: 366.6/18

Left In: -5.961+/-0.716 $\chi^2$/NDF:148.1/1

Left: -9.796+/-0.435 $\chi^2$/NDF: 197.1/4

Right: -11.606+/-0.379 $\chi^2$/NDF: 846.9/35

In: -10.145+/-0.421 $\chi^2$/NDF:676.1/18

Out: -11.408+/-0.389 $\chi^2$/NDF:372.9/21

All: -10.825+/-0.286 $\chi^2$/NDF: 1053.9/40

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug, Sign Corrected

Right In: -0.308+/-0.028 $\chi^2$/NDF: 372.4/16

Left Out: 0.287+/-0.026 $\chi^2$/NDF:7.2/2

Right Out: -0.478+/-0.029 $\chi^2$/NDF: 631.2/18

Left In: 0.340+/-0.028 $\chi^2$/NDF:2.3/1

Left: 0.311+/-0.019 $\chi^2$/NDF: 11.4/4

Right: -0.390+/-0.020 $\chi^2$/NDF: 1022.0/35

In: 0.006+/-0.020 $\chi^2$/NDF:643.3/18

Out: -0.054+/-0.019 $\chi^2$/NDF:1036.7/21

All: -0.025+/-0.014 $\chi^2$/NDF: 1684.7/40

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 16.395+/-0.316 $\chi^2$/NDF:190.1/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 7.247+/-0.348 $\chi^2$/NDF:16.2/1

Left: 12.256+/-0.234 $\chi^2$/NDF: 585.5/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 7.247+/-0.348 $\chi^2$/NDF:16.2/1

Out: 16.395+/-0.316 $\chi^2$/NDF:190.1/2

All: 12.256+/-0.234 $\chi^2$/NDF: 585.5/4

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected

Right In: 8.036+/-0.215 $\chi^2$/NDF: 5369.4/16

Left Out: -0.649+/-0.260 $\chi^2$/NDF:717.4/2

Right Out: 8.454+/-0.213 $\chi^2$/NDF: 6704.4/18

Left In: -1.136+/-0.335 $\chi^2$/NDF:2518.6/1

Left: -0.832+/-0.206 $\chi^2$/NDF: 3237.3/4

Right: 8.247+/-0.151 $\chi^2$/NDF: 12075.7/35

In: 5.361+/-0.181 $\chi^2$/NDF:8418.0/18

Out: 4.797+/-0.165 $\chi^2$/NDF:8153.1/21

All: 5.053+/-0.122 $\chi^2$/NDF: 16576.4/40

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected

Right In: 7.604+/-0.416 $\chi^2$/NDF: 2325.0/16

Left Out: 4.574+/-0.339 $\chi^2$/NDF:148.0/2

Right Out: 10.337+/-0.416 $\chi^2$/NDF: 2281.8/18

Left In: 14.787+/-0.372 $\chi^2$/NDF:34.4/1

Left: 9.196+/-0.251 $\chi^2$/NDF: 594.1/4

Right: 8.969+/-0.294 $\chi^2$/NDF: 4628.4/35

In: 11.589+/-0.277 $\chi^2$/NDF:2525.0/18

Out: 6.868+/-0.263 $\chi^2$/NDF:2545.1/21

All: 9.100+/-0.191 $\chi^2$/NDF: 5222.8/40

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected

Right In: -100.753+/-0.248 $\chi^2$/NDF: 4522.6/16

Left Out: -77.302+/-0.311 $\chi^2$/NDF:613.8/2

Right Out: -102.354+/-0.246 $\chi^2$/NDF: 6078.9/18

Left In: -76.121+/-0.388 $\chi^2$/NDF:1605.5/1

Left: -76.840+/-0.243 $\chi^2$/NDF: 2225.0/4

Right: -101.559+/-0.175 $\chi^2$/NDF: 10622.5/35

In: -93.603+/-0.209 $\chi^2$/NDF:8991.3/18

Out: -92.693+/-0.193 $\chi^2$/NDF:10684.7/21

All: -93.112+/-0.142 $\chi^2$/NDF: 19686.3/40

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected

Right In: 0.280+/-0.013 $\chi^2$/NDF: 656.0/16

Left Out: 0.351+/-0.014 $\chi^2$/NDF:58.1/2

Right Out: 0.175+/-0.013 $\chi^2$/NDF: 966.7/18

Left In: 0.366+/-0.014 $\chi^2$/NDF:15.9/1

Left: 0.358+/-0.010 $\chi^2$/NDF: 74.6/4

Right: 0.227+/-0.010 $\chi^2$/NDF: 1653.2/35

In: 0.321+/-0.010 $\chi^2$/NDF:691.1/18

Out: 0.259+/-0.010 $\chi^2$/NDF:1106.2/21

All: 0.290+/-0.007 $\chi^2$/NDF: 1817.7/40

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -28.788+/-0.443 $\chi^2$/NDF:225.1/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -14.183+/-0.506 $\chi^2$/NDF:69.1/1

Left: -22.450+/-0.333 $\chi^2$/NDF: 766.4/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -14.183+/-0.506 $\chi^2$/NDF:69.1/1

Out: -28.788+/-0.443 $\chi^2$/NDF:225.1/2

All: -22.450+/-0.333 $\chi^2$/NDF: 766.4/4

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 4.619+/-0.357 $\chi^2$/NDF:485.7/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 1.832+/-0.459 $\chi^2$/NDF:729.1/1

Left: 3.567+/-0.282 $\chi^2$/NDF: 1237.7/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 1.832+/-0.459 $\chi^2$/NDF:729.1/1

Out: 4.619+/-0.357 $\chi^2$/NDF:485.7/2

All: 3.567+/-0.282 $\chi^2$/NDF: 1237.7/4

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -28.908+/-0.474 $\chi^2$/NDF:165.7/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -44.206+/-0.541 $\chi^2$/NDF:112.3/1

Left: -35.550+/-0.357 $\chi^2$/NDF: 729.7/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -44.206+/-0.541 $\chi^2$/NDF:112.3/1

Out: -28.908+/-0.474 $\chi^2$/NDF:165.7/2

All: -35.550+/-0.357 $\chi^2$/NDF: 729.7/4

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 82.064+/-0.428 $\chi^2$/NDF:415.2/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 85.336+/-0.536 $\chi^2$/NDF:454.1/1

Left: 83.337+/-0.334 $\chi^2$/NDF: 892.1/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 85.336+/-0.536 $\chi^2$/NDF:454.1/1

Out: 82.064+/-0.428 $\chi^2$/NDF:415.2/2

All: 83.337+/-0.334 $\chi^2$/NDF: 892.1/4

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 0.049+/-0.020 $\chi^2$/NDF:46.0/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 0.035+/-0.021 $\chi^2$/NDF:6.2/1

Left: 0.043+/-0.014 $\chi^2$/NDF: 52.5/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 0.035+/-0.021 $\chi^2$/NDF:6.2/1

Out: 0.049+/-0.020 $\chi^2$/NDF:46.0/2

All: 0.043+/-0.014 $\chi^2$/NDF: 52.5/4

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -34.955+/-0.550 $\chi^2$/NDF:228.0/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -17.308+/-0.645 $\chi^2$/NDF:80.9/1

Left: -27.522+/-0.419 $\chi^2$/NDF: 741.8/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -17.308+/-0.645 $\chi^2$/NDF:80.9/1

Out: -34.955+/-0.550 $\chi^2$/NDF:228.0/2

All: -27.522+/-0.419 $\chi^2$/NDF: 741.8/4

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 6.542+/-0.436 $\chi^2$/NDF:324.9/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 3.214+/-0.563 $\chi^2$/NDF:302.2/1

Left: 5.295+/-0.345 $\chi^2$/NDF: 649.0/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 3.214+/-0.563 $\chi^2$/NDF:302.2/1

Out: 6.542+/-0.436 $\chi^2$/NDF:324.9/2

All: 5.295+/-0.345 $\chi^2$/NDF: 649.0/4

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -61.595+/-0.590 $\chi^2$/NDF:154.6/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -78.914+/-0.690 $\chi^2$/NDF:105.3/1

Left: -68.897+/-0.448 $\chi^2$/NDF: 623.8/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -78.914+/-0.690 $\chi^2$/NDF:105.3/1

Out: -61.595+/-0.590 $\chi^2$/NDF:154.6/2

All: -68.897+/-0.448 $\chi^2$/NDF: 623.8/4

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 56.179+/-0.523 $\chi^2$/NDF:301.7/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 60.191+/-0.662 $\chi^2$/NDF:176.3/1

Left: 57.721+/-0.410 $\chi^2$/NDF: 500.6/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 60.191+/-0.662 $\chi^2$/NDF:176.3/1

Out: 56.179+/-0.523 $\chi^2$/NDF:301.7/2

All: 57.721+/-0.410 $\chi^2$/NDF: 500.6/4

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 0.151+/-0.025 $\chi^2$/NDF:30.1/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 0.125+/-0.026 $\chi^2$/NDF:1.6/1

Left: 0.139+/-0.018 $\chi^2$/NDF: 32.2/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 0.125+/-0.026 $\chi^2$/NDF:1.6/1

Out: 0.151+/-0.025 $\chi^2$/NDF:30.1/2

All: 0.139+/-0.018 $\chi^2$/NDF: 32.2/4

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -12.682+/-0.195 $\chi^2$/NDF:143.1/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -7.167+/-0.233 $\chi^2$/NDF:152.0/1

Left: -10.406+/-0.149 $\chi^2$/NDF: 625.3/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -7.167+/-0.233 $\chi^2$/NDF:152.0/1

Out: -12.682+/-0.195 $\chi^2$/NDF:143.1/2

All: -10.406+/-0.149 $\chi^2$/NDF: 625.3/4

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 4.630+/-0.154 $\chi^2$/NDF:55.2/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 2.529+/-0.201 $\chi^2$/NDF:138.9/1

Left: 3.852+/-0.122 $\chi^2$/NDF: 263.1/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 2.529+/-0.201 $\chi^2$/NDF:138.9/1

Out: 4.630+/-0.154 $\chi^2$/NDF:55.2/2

All: 3.852+/-0.122 $\chi^2$/NDF: 263.1/4

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -23.966+/-0.209 $\chi^2$/NDF:93.5/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -29.239+/-0.249 $\chi^2$/NDF:223.9/1

Left: -26.145+/-0.160 $\chi^2$/NDF: 580.8/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -29.239+/-0.249 $\chi^2$/NDF:223.9/1

Out: -23.966+/-0.209 $\chi^2$/NDF:93.5/2

All: -26.145+/-0.160 $\chi^2$/NDF: 580.8/4

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 4.093+/-0.185 $\chi^2$/NDF:40.3/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 7.263+/-0.237 $\chi^2$/NDF:100.3/1

Left: 5.295+/-0.146 $\chi^2$/NDF: 252.1/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 7.263+/-0.237 $\chi^2$/NDF:100.3/1

Out: 4.093+/-0.185 $\chi^2$/NDF:40.3/2

All: 5.295+/-0.146 $\chi^2$/NDF: 252.1/4

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 0.400+/-0.009 $\chi^2$/NDF:14.8/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 0.419+/-0.010 $\chi^2$/NDF:0.2/1

Left: 0.409+/-0.006 $\chi^2$/NDF: 17.1/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 0.419+/-0.010 $\chi^2$/NDF:0.2/1

Out: 0.400+/-0.009 $\chi^2$/NDF:14.8/2

All: 0.409+/-0.006 $\chi^2$/NDF: 17.1/4

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -18.974+/-0.399 $\chi^2$/NDF:75.2/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -9.622+/-0.479 $\chi^2$/NDF:89.2/1

Left: -15.139+/-0.307 $\chi^2$/NDF: 389.3/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -9.622+/-0.479 $\chi^2$/NDF:89.2/1

Out: -18.974+/-0.399 $\chi^2$/NDF:75.2/2

All: -15.139+/-0.307 $\chi^2$/NDF: 389.3/4

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 7.180+/-0.317 $\chi^2$/NDF:20.5/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 4.485+/-0.420 $\chi^2$/NDF:91.0/1

Left: 6.204+/-0.253 $\chi^2$/NDF: 137.7/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 4.485+/-0.420 $\chi^2$/NDF:91.0/1

Out: 7.180+/-0.317 $\chi^2$/NDF:20.5/2

All: 6.204+/-0.253 $\chi^2$/NDF: 137.7/4

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -56.666+/-0.428 $\chi^2$/NDF:40.7/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -64.897+/-0.513 $\chi^2$/NDF:103.6/1

Left: -60.045+/-0.329 $\chi^2$/NDF: 296.2/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -64.897+/-0.513 $\chi^2$/NDF:103.6/1

Out: -56.666+/-0.428 $\chi^2$/NDF:40.7/2

All: -60.045+/-0.329 $\chi^2$/NDF: 296.2/4

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -22.411+/-0.380 $\chi^2$/NDF:22.0/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -18.407+/-0.494 $\chi^2$/NDF:69.5/1

Left: -20.923+/-0.301 $\chi^2$/NDF: 132.7/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -18.407+/-0.494 $\chi^2$/NDF:69.5/1

Out: -22.411+/-0.380 $\chi^2$/NDF:22.0/2

All: -20.923+/-0.301 $\chi^2$/NDF: 132.7/4

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 0.505+/-0.018 $\chi^2$/NDF:4.0/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 0.518+/-0.020 $\chi^2$/NDF:1.1/1

Left: 0.511+/-0.013 $\chi^2$/NDF: 5.4/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 0.518+/-0.020 $\chi^2$/NDF:1.1/1

Out: 0.505+/-0.018 $\chi^2$/NDF:4.0/2

All: 0.511+/-0.013 $\chi^2$/NDF: 5.4/4

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 20.154+/-0.304 $\chi^2$/NDF:237.8/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 10.327+/-0.358 $\chi^2$/NDF:68.8/1

Left: 16.024+/-0.232 $\chi^2$/NDF: 744.5/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 10.327+/-0.358 $\chi^2$/NDF:68.8/1

Out: 20.154+/-0.304 $\chi^2$/NDF:237.8/2

All: 16.024+/-0.232 $\chi^2$/NDF: 744.5/4

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -0.800+/-0.241 $\chi^2$/NDF:351.9/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 0.777+/-0.312 $\chi^2$/NDF:429.1/1

Left: -0.210+/-0.191 $\chi^2$/NDF: 797.0/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 0.777+/-0.312 $\chi^2$/NDF:429.1/1

Out: -0.800+/-0.241 $\chi^2$/NDF:351.9/2

All: -0.210+/-0.191 $\chi^2$/NDF: 797.0/4

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 34.006+/-0.326 $\chi^2$/NDF:167.1/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 43.639+/-0.383 $\chi^2$/NDF:83.3/1

Left: 38.058+/-0.248 $\chi^2$/NDF: 617.5/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 43.639+/-0.383 $\chi^2$/NDF:83.3/1

Out: 34.006+/-0.326 $\chi^2$/NDF:167.1/2

All: 38.058+/-0.248 $\chi^2$/NDF: 617.5/4

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -31.766+/-0.289 $\chi^2$/NDF:333.1/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -33.512+/-0.367 $\chi^2$/NDF:246.9/1

Left: -32.436+/-0.227 $\chi^2$/NDF: 594.0/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -33.512+/-0.367 $\chi^2$/NDF:246.9/1

Out: -31.766+/-0.289 $\chi^2$/NDF:333.1/2

All: -32.436+/-0.227 $\chi^2$/NDF: 594.0/4

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 0.102+/-0.014 $\chi^2$/NDF:30.5/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 0.121+/-0.015 $\chi^2$/NDF:2.4/1

Left: 0.111+/-0.010 $\chi^2$/NDF: 33.8/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 0.121+/-0.015 $\chi^2$/NDF:2.4/1

Out: 0.102+/-0.014 $\chi^2$/NDF:30.5/2

All: 0.111+/-0.010 $\chi^2$/NDF: 33.8/4

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 14.070+/-0.228 $\chi^2$/NDF:180.4/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 7.302+/-0.252 $\chi^2$/NDF:30.0/1

Left: 11.027+/-0.169 $\chi^2$/NDF: 606.0/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 7.302+/-0.252 $\chi^2$/NDF:30.0/1

Out: 14.070+/-0.228 $\chi^2$/NDF:180.4/2

All: 11.027+/-0.169 $\chi^2$/NDF: 606.0/4

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 0.932+/-0.188 $\chi^2$/NDF:613.1/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 1.427+/-0.243 $\chi^2$/NDF:1629.6/1

Left: 1.117+/-0.149 $\chi^2$/NDF: 2245.3/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 1.427+/-0.243 $\chi^2$/NDF:1629.6/1

Out: 0.932+/-0.188 $\chi^2$/NDF:613.1/2

All: 1.117+/-0.149 $\chi^2$/NDF: 2245.3/4

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 1.140+/-0.245 $\chi^2$/NDF:150.9/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 8.921+/-0.271 $\chi^2$/NDF:69.9/1

Left: 4.639+/-0.181 $\chi^2$/NDF: 676.1/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 8.921+/-0.271 $\chi^2$/NDF:69.9/1

Out: 1.140+/-0.245 $\chi^2$/NDF:150.9/2

All: 4.639+/-0.181 $\chi^2$/NDF: 676.1/4

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -57.467+/-0.224 $\chi^2$/NDF:502.2/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -57.878+/-0.281 $\chi^2$/NDF:1020.4/1

Left: -57.627+/-0.175 $\chi^2$/NDF: 1523.8/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -57.878+/-0.281 $\chi^2$/NDF:1020.4/1

Out: -57.467+/-0.224 $\chi^2$/NDF:502.2/2

All: -57.627+/-0.175 $\chi^2$/NDF: 1523.8/4

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 0.204+/-0.010 $\chi^2$/NDF:56.2/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 0.203+/-0.010 $\chi^2$/NDF:15.9/1

Left: 0.204+/-0.007 $\chi^2$/NDF: 72.0/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 0.203+/-0.010 $\chi^2$/NDF:15.9/1

Out: 0.204+/-0.010 $\chi^2$/NDF:56.2/2

All: 0.204+/-0.007 $\chi^2$/NDF: 72.0/4

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 3.777+/-0.250 $\chi^2$/NDF:4.8/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 2.239+/-0.289 $\chi^2$/NDF:30.8/1

Left: 3.119+/-0.189 $\chi^2$/NDF: 51.7/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 2.239+/-0.289 $\chi^2$/NDF:30.8/1

Out: 3.777+/-0.250 $\chi^2$/NDF:4.8/2

All: 3.119+/-0.189 $\chi^2$/NDF: 51.7/4

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -0.929+/-0.205 $\chi^2$/NDF:128.1/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 0.667+/-0.275 $\chi^2$/NDF:996.4/1

Left: -0.357+/-0.165 $\chi^2$/NDF: 1146.1/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 0.667+/-0.275 $\chi^2$/NDF:996.4/1

Out: -0.929+/-0.205 $\chi^2$/NDF:128.1/2

All: -0.357+/-0.165 $\chi^2$/NDF: 1146.1/4

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 29.601+/-0.268 $\chi^2$/NDF:11.7/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 29.927+/-0.310 $\chi^2$/NDF:20.6/1

Left: 29.740+/-0.203 $\chi^2$/NDF: 32.9/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 29.927+/-0.310 $\chi^2$/NDF:20.6/1

Out: 29.601+/-0.268 $\chi^2$/NDF:11.7/2

All: 29.740+/-0.203 $\chi^2$/NDF: 32.9/4

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 46.309+/-0.245 $\chi^2$/NDF:89.1/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 43.839+/-0.319 $\chi^2$/NDF:667.0/1

Left: 45.391+/-0.194 $\chi^2$/NDF: 793.8/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 43.839+/-0.319 $\chi^2$/NDF:667.0/1

Out: 46.309+/-0.245 $\chi^2$/NDF:89.1/2

All: 45.391+/-0.194 $\chi^2$/NDF: 793.8/4

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -0.258+/-0.011 $\chi^2$/NDF:6.8/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -0.263+/-0.012 $\chi^2$/NDF:5.9/1

Left: -0.260+/-0.008 $\chi^2$/NDF: 12.8/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -0.263+/-0.012 $\chi^2$/NDF:5.9/1

Out: -0.258+/-0.011 $\chi^2$/NDF:6.8/2

All: -0.260+/-0.008 $\chi^2$/NDF: 12.8/4

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -2.333+/-0.091 $\chi^2$/NDF:208.6/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 0.051+/-0.098 $\chi^2$/NDF:0.0/1

Left: -1.241+/-0.067 $\chi^2$/NDF: 526.5/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 0.051+/-0.098 $\chi^2$/NDF:0.0/1

Out: -2.333+/-0.091 $\chi^2$/NDF:208.6/2

All: -1.241+/-0.067 $\chi^2$/NDF: 526.5/4

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 1.575+/-0.074 $\chi^2$/NDF:974.4/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 2.551+/-0.095 $\chi^2$/NDF:5409.9/1

Left: 1.946+/-0.059 $\chi^2$/NDF: 6449.5/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 2.551+/-0.095 $\chi^2$/NDF:5409.9/1

Out: 1.575+/-0.074 $\chi^2$/NDF:974.4/2

All: 1.946+/-0.059 $\chi^2$/NDF: 6449.5/4

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -3.435+/-0.097 $\chi^2$/NDF:139.0/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -5.826+/-0.105 $\chi^2$/NDF:1.1/1

Left: -4.530+/-0.071 $\chi^2$/NDF: 418.8/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -5.826+/-0.105 $\chi^2$/NDF:1.1/1

Out: -3.435+/-0.097 $\chi^2$/NDF:139.0/2

All: -4.530+/-0.071 $\chi^2$/NDF: 418.8/4

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 19.819+/-0.089 $\chi^2$/NDF:917.3/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 18.243+/-0.110 $\chi^2$/NDF:3539.3/1

Left: 19.197+/-0.069 $\chi^2$/NDF: 4580.7/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 18.243+/-0.110 $\chi^2$/NDF:3539.3/1

Out: 19.819+/-0.089 $\chi^2$/NDF:917.3/2

All: 19.197+/-0.069 $\chi^2$/NDF: 4580.7/4

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -0.147+/-0.004 $\chi^2$/NDF:61.5/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -0.163+/-0.004 $\chi^2$/NDF:15.1/1

Left: -0.155+/-0.003 $\chi^2$/NDF: 84.0/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -0.163+/-0.004 $\chi^2$/NDF:15.1/1

Out: -0.147+/-0.004 $\chi^2$/NDF:61.5/2

All: -0.155+/-0.003 $\chi^2$/NDF: 84.0/4

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -14.803+/-0.247 $\chi^2$/NDF:214.7/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -6.972+/-0.289 $\chi^2$/NDF:96.5/1

Left: -11.494+/-0.188 $\chi^2$/NDF: 735.7/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -6.972+/-0.289 $\chi^2$/NDF:96.5/1

Out: -14.803+/-0.247 $\chi^2$/NDF:214.7/2

All: -11.494+/-0.188 $\chi^2$/NDF: 735.7/4

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug, Sign Corrected

Right In: 0.596+/-0.169 $\chi^2$/NDF: 291.2/16

Left Out: 5.745+/-0.196 $\chi^2$/NDF:292.0/2

Right Out: 0.209+/-0.175 $\chi^2$/NDF: 273.5/18

Left In: 3.993+/-0.253 $\chi^2$/NDF:174.1/1

Left: 5.088+/-0.155 $\chi^2$/NDF: 496.1/4

Right: 0.409+/-0.121 $\chi^2$/NDF: 567.2/35

In: 1.646+/-0.140 $\chi^2$/NDF:590.2/18

Out: 2.662+/-0.130 $\chi^2$/NDF:1010.6/21

All: 2.192+/-0.096 $\chi^2$/NDF: 1628.9/40

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug, Sign Corrected

Right In: -26.012+/-0.300 $\chi^2$/NDF: 692.9/16

Left Out: -27.590+/-0.265 $\chi^2$/NDF:138.8/2

Right Out: -26.829+/-0.297 $\chi^2$/NDF: 581.6/18

Left In: -35.288+/-0.309 $\chi^2$/NDF:135.0/1

Left: -30.845+/-0.201 $\chi^2$/NDF: 631.7/4

Right: -26.423+/-0.211 $\chi^2$/NDF: 1278.3/35

In: -30.505+/-0.215 $\chi^2$/NDF:1292.3/18

Out: -27.254+/-0.198 $\chi^2$/NDF:724.1/21

All: -28.742+/-0.146 $\chi^2$/NDF: 2140.2/40

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug, Sign Corrected

Right In: 16.253+/-0.191 $\chi^2$/NDF: 7611.3/16

Left Out: 24.411+/-0.235 $\chi^2$/NDF:264.0/2

Right Out: 15.318+/-0.197 $\chi^2$/NDF: 7280.1/18

Left In: 26.677+/-0.297 $\chi^2$/NDF:104.3/1

Left: 25.283+/-0.184 $\chi^2$/NDF: 404.1/4

Right: 15.800+/-0.137 $\chi^2$/NDF: 14903.0/35

In: 19.304+/-0.161 $\chi^2$/NDF:8587.0/18

Out: 19.072+/-0.151 $\chi^2$/NDF:8423.7/21

All: 19.181+/-0.110 $\chi^2$/NDF: 17011.8/40

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug, Sign Corrected

Right In: -0.036+/-0.010 $\chi^2$/NDF: 1014.5/16

Left Out: 0.252+/-0.011 $\chi^2$/NDF:29.5/2

Right Out: -0.132+/-0.010 $\chi^2$/NDF: 1171.3/18

Left In: 0.246+/-0.012 $\chi^2$/NDF:0.8/1

Left: 0.249+/-0.008 $\chi^2$/NDF: 30.4/4

Right: -0.084+/-0.007 $\chi^2$/NDF: 2229.1/35

In: 0.086+/-0.008 $\chi^2$/NDF:1337.5/18

Out: 0.048+/-0.008 $\chi^2$/NDF:1845.9/21

All: 0.067+/-0.005 $\chi^2$/NDF: 3195.5/40

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -32.831+/-0.494 $\chi^2$/NDF:200.9/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -17.506+/-0.584 $\chi^2$/NDF:99.2/1

Left: -26.440+/-0.377 $\chi^2$/NDF: 701.9/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -17.506+/-0.584 $\chi^2$/NDF:99.2/1

Out: -32.831+/-0.494 $\chi^2$/NDF:200.9/2

All: -26.440+/-0.377 $\chi^2$/NDF: 701.9/4

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug, Sign Corrected

Right In: -3.030+/-0.408 $\chi^2$/NDF: 280.8/16

Left Out: 5.411+/-0.390 $\chi^2$/NDF:207.1/2

Right Out: -4.694+/-0.427 $\chi^2$/NDF: 298.3/18

Left In: 1.691+/-0.506 $\chi^2$/NDF:62.0/1

Left: 4.025+/-0.309 $\chi^2$/NDF: 303.0/4

Right: -3.824+/-0.295 $\chi^2$/NDF: 587.0/35

In: -1.173+/-0.317 $\chi^2$/NDF:395.6/18

Out: 0.809+/-0.288 $\chi^2$/NDF:810.9/21

All: -0.086+/-0.213 $\chi^2$/NDF: 1227.9/40

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug, Sign Corrected

Right In: -62.887+/-0.738 $\chi^2$/NDF: 368.7/16

Left Out: -57.995+/-0.529 $\chi^2$/NDF:137.5/2

Right Out: -64.502+/-0.751 $\chi^2$/NDF: 444.1/18

Left In: -72.885+/-0.625 $\chi^2$/NDF:133.1/1

Left: -64.210+/-0.404 $\chi^2$/NDF: 601.6/4

Right: -63.680+/-0.526 $\chi^2$/NDF: 815.2/35

In: -68.710+/-0.477 $\chi^2$/NDF:608.8/18

Out: -60.151+/-0.432 $\chi^2$/NDF:631.7/21

All: -64.014+/-0.320 $\chi^2$/NDF: 1417.4/40

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug, Sign Corrected

Right In: 28.425+/-0.457 $\chi^2$/NDF: 3330.3/16

Left Out: 35.849+/-0.468 $\chi^2$/NDF:188.1/2

Right Out: 27.441+/-0.479 $\chi^2$/NDF: 3033.0/18

Left In: 40.819+/-0.596 $\chi^2$/NDF:30.5/1

Left: 37.747+/-0.368 $\chi^2$/NDF: 261.6/4

Right: 27.956+/-0.331 $\chi^2$/NDF: 6365.5/35

In: 33.016+/-0.363 $\chi^2$/NDF:3633.1/18

Out: 31.737+/-0.335 $\chi^2$/NDF:3378.8/21

All: 32.326+/-0.246 $\chi^2$/NDF: 7018.7/40

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug, Sign Corrected

Right In: -0.326+/-0.025 $\chi^2$/NDF: 1013.0/16

Left Out: 0.298+/-0.022 $\chi^2$/NDF:23.6/2

Right Out: -0.510+/-0.026 $\chi^2$/NDF: 1169.4/18

Left In: 0.296+/-0.024 $\chi^2$/NDF:0.6/1

Left: 0.297+/-0.016 $\chi^2$/NDF: 24.2/4

Right: -0.415+/-0.018 $\chi^2$/NDF: 2208.8/35

In: -0.003+/-0.017 $\chi^2$/NDF:1337.6/18

Out: -0.045+/-0.017 $\chi^2$/NDF:1762.1/21

All: -0.024+/-0.012 $\chi^2$/NDF: 3102.7/40

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 9.022+/-0.127 $\chi^2$/NDF:170.9/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 5.234+/-0.152 $\chi^2$/NDF:96.1/1

Left: 7.457+/-0.098 $\chi^2$/NDF: 632.6/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 5.234+/-0.152 $\chi^2$/NDF:96.1/1

Out: 9.022+/-0.127 $\chi^2$/NDF:170.9/2

All: 7.457+/-0.098 $\chi^2$/NDF: 632.6/4

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug, Sign Corrected

Right In: 1.836+/-0.116 $\chi^2$/NDF: 294.9/16

Left Out: 0.136+/-0.101 $\chi^2$/NDF:128.2/2

Right Out: 2.365+/-0.123 $\chi^2$/NDF: 336.4/18

Left In: 1.132+/-0.131 $\chi^2$/NDF:7.6/1

Left: 0.504+/-0.080 $\chi^2$/NDF: 171.9/4

Right: 2.086+/-0.084 $\chi^2$/NDF: 641.1/35

In: 1.528+/-0.087 $\chi^2$/NDF:318.5/18

Out: 1.034+/-0.078 $\chi^2$/NDF:661.9/21

All: 1.253+/-0.058 $\chi^2$/NDF: 998.3/40

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug, Sign Corrected

Right In: 17.418+/-0.212 $\chi^2$/NDF: 366.8/16

Left Out: 15.208+/-0.136 $\chi^2$/NDF:123.9/2

Right Out: 17.929+/-0.219 $\chi^2$/NDF: 506.3/18

Left In: 18.840+/-0.162 $\chi^2$/NDF:123.4/1

Left: 16.710+/-0.104 $\chi^2$/NDF: 540.4/4

Right: 17.665+/-0.152 $\chi^2$/NDF: 876.0/35

In: 18.314+/-0.129 $\chi^2$/NDF:518.6/18

Out: 15.969+/-0.116 $\chi^2$/NDF:741.5/21

All: 17.016+/-0.086 $\chi^2$/NDF: 1443.2/40

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug, Sign Corrected

Right In: -4.526+/-0.130 $\chi^2$/NDF: 1590.2/16

Left Out: -5.684+/-0.121 $\chi^2$/NDF:118.5/2

Right Out: -4.459+/-0.137 $\chi^2$/NDF: 1338.9/18

Left In: -7.051+/-0.155 $\chi^2$/NDF:1.1/1

Left: -6.202+/-0.095 $\chi^2$/NDF: 168.1/4

Right: -4.494+/-0.094 $\chi^2$/NDF: 2929.2/35

In: -5.565+/-0.099 $\chi^2$/NDF:1747.8/18

Out: -5.147+/-0.091 $\chi^2$/NDF:1502.3/21

All: -5.337+/-0.067 $\chi^2$/NDF: 3259.8/40

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug, Sign Corrected

Right In: 0.143+/-0.007 $\chi^2$/NDF: 1060.4/16

Left Out: -0.023+/-0.006 $\chi^2$/NDF:17.6/2

Right Out: 0.182+/-0.007 $\chi^2$/NDF: 1007.8/18

Left In: -0.025+/-0.006 $\chi^2$/NDF:0.4/1

Left: -0.024+/-0.004 $\chi^2$/NDF: 18.1/4

Right: 0.161+/-0.005 $\chi^2$/NDF: 2082.4/35

In: 0.048+/-0.005 $\chi^2$/NDF:1381.4/18

Out: 0.053+/-0.005 $\chi^2$/NDF:1505.6/21

All: 0.051+/-0.003 $\chi^2$/NDF: 2887.5/40

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -23.812+/-0.369 $\chi^2$/NDF:207.6/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -12.249+/-0.435 $\chi^2$/NDF:99.0/1

Left: -18.971+/-0.281 $\chi^2$/NDF: 717.6/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -12.249+/-0.435 $\chi^2$/NDF:99.0/1

Out: -23.812+/-0.369 $\chi^2$/NDF:207.6/2

All: -18.971+/-0.281 $\chi^2$/NDF: 717.6/4

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug, Sign Corrected

Right In: -1.220+/-0.290 $\chi^2$/NDF: 278.6/16

Left Out: 5.565+/-0.292 $\chi^2$/NDF:235.6/2

Right Out: -2.302+/-0.302 $\chi^2$/NDF: 286.2/18

Left In: 2.832+/-0.378 $\chi^2$/NDF:93.0/1

Left: 4.544+/-0.231 $\chi^2$/NDF: 361.3/4

Right: -1.738+/-0.209 $\chi^2$/NDF: 571.5/35

In: 0.282+/-0.230 $\chi^2$/NDF:444.0/18

Out: 1.772+/-0.210 $\chi^2$/NDF:872.2/21

All: 1.095+/-0.155 $\chi^2$/NDF: 1339.1/40

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug, Sign Corrected

Right In: -44.908+/-0.523 $\chi^2$/NDF: 421.2/16

Left Out: -42.792+/-0.395 $\chi^2$/NDF:139.4/2

Right Out: -46.071+/-0.528 $\chi^2$/NDF: 454.0/18

Left In: -54.073+/-0.465 $\chi^2$/NDF:134.7/1

Left: -47.520+/-0.301 $\chi^2$/NDF: 615.5/4

Right: -45.483+/-0.371 $\chi^2$/NDF: 877.6/35

In: -50.019+/-0.348 $\chi^2$/NDF:727.5/18

Out: -43.969+/-0.316 $\chi^2$/NDF:618.1/21

All: -46.712+/-0.234 $\chi^2$/NDF: 1511.2/40

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug, Sign Corrected

Right In: 23.073+/-0.326 $\chi^2$/NDF: 4346.0/16

Left Out: 30.145+/-0.350 $\chi^2$/NDF:213.5/2

Right Out: 22.122+/-0.340 $\chi^2$/NDF: 4034.4/18

Left In: 33.759+/-0.445 $\chi^2$/NDF:50.0/1

Left: 31.529+/-0.275 $\chi^2$/NDF: 304.3/4

Right: 22.617+/-0.235 $\chi^2$/NDF: 8384.4/35

In: 26.810+/-0.263 $\chi^2$/NDF:4771.6/18

Out: 26.014+/-0.244 $\chi^2$/NDF:4518.1/21

All: 26.382+/-0.179 $\chi^2$/NDF: 9294.7/40

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug, Sign Corrected

Right In: -0.182+/-0.018 $\chi^2$/NDF: 998.1/16

Left Out: 0.275+/-0.016 $\chi^2$/NDF:25.6/2

Right Out: -0.323+/-0.018 $\chi^2$/NDF: 1184.5/18

Left In: 0.271+/-0.018 $\chi^2$/NDF:0.7/1

Left: 0.273+/-0.012 $\chi^2$/NDF: 26.3/4

Right: -0.251+/-0.013 $\chi^2$/NDF: 2213.4/35

In: 0.043+/-0.013 $\chi^2$/NDF:1323.6/18

Out: 0.005+/-0.012 $\chi^2$/NDF:1805.8/21

All: 0.023+/-0.009 $\chi^2$/NDF: 3134.0/40

# reg_asym_atl1_diff_bpm1X_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -28.283+/-1.682 $\chi^2$/NDF:104.2/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -47.195+/-1.902 $\chi^2$/NDF:2.9/1

Left: -36.585+/-1.260 $\chi^2$/NDF: 162.6/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -47.195+/-1.902 $\chi^2$/NDF:2.9/1

Out: -28.283+/-1.682 $\chi^2$/NDF:104.2/2

All: -36.585+/-1.260 $\chi^2$/NDF: 162.6/4

# reg_asym_atl1_diff_bpm4aY_slope vs Slug, Sign Corrected

Right In: 16.512+/-0.847 $\chi^2$/NDF: 519.6/16

Left Out: 0.863+/-1.449 $\chi^2$/NDF:0.7/2

Right Out: 19.604+/-0.898 $\chi^2$/NDF: 242.0/18

Left In: -3.272+/-1.909 $\chi^2$/NDF:10.0/1

Left: -0.650+/-1.154 $\chi^2$/NDF: 13.6/4

Right: 17.968+/-0.616 $\chi^2$/NDF: 767.9/35

In: 13.254+/-0.775 $\chi^2$/NDF:619.4/18

Out: 14.403+/-0.764 $\chi^2$/NDF:363.4/21

All: 13.837+/-0.544 $\chi^2$/NDF: 983.9/40

reg_asym_atl1_diff_bpm4eX_slope vs Slug, Sign Corrected

Right In: 75.009+/-1.636 $\chi^2$/NDF: 1999.3/16

Left Out: 75.811+/-1.808 $\chi^2$/NDF:138.4/2

Right Out: 93.140+/-1.711 $\chi^2$/NDF: 2002.3/18

Left In: 96.157+/-2.043 $\chi^2$/NDF:0.2/1

Left: 84.746+/-1.354 $\chi^2$/NDF: 194.3/4

Right: 83.668+/-1.183 $\chi^2$/NDF: 4060.3/35

In: 83.272+/-1.277 $\chi^2$/NDF:2064.9/18

Out: 84.951+/-1.243 $\chi^2$/NDF:2189.2/21

All: 84.134+/-0.891 $\chi^2$/NDF: 4255.0/40

# reg_asym_atl1_diff_bpm4eY_slope vs Slug, Sign Corrected

Right In: -33.005+/-0.972 $\chi^2$/NDF: 493.1/16

Left Out: 2.938+/-1.709 $\chi^2$/NDF:2.7/2

Right Out: -36.260+/-1.025 $\chi^2$/NDF: 297.1/18

Left In: 6.585+/-2.184 $\chi^2$/NDF:0.9/1

Left: 4.323+/-1.346 $\chi^2$/NDF: 5.3/4

Right: -34.545+/-0.705 $\chi^2$/NDF: 795.4/35

In: -26.461+/-0.888 $\chi^2$/NDF:768.3/18

Out: -25.885+/-0.879 $\chi^2$/NDF:686.6/21

All: -26.170+/-0.625 $\chi^2$/NDF: 1455.2/40

# reg_asym_atl1_diff_bpm12X_slope vs Slug, Sign Corrected

Right In: -8.751+/-0.059 $\chi^2$/NDF: 576012.4/16

Left Out: -35.664+/-0.074 $\chi^2$/NDF:18091.2/2

Right Out: -13.143+/-0.062 $\chi^2$/NDF: 558628.0/18

Left In: -33.102+/-0.076 $\chi^2$/NDF:8860.5/1

Left: -34.421+/-0.053 $\chi^2$/NDF: 27538.4/4

Right: -10.840+/-0.043 $\chi^2$/NDF: 1137294.9/35

In: -17.882+/-0.046 $\chi^2$/NDF:649171.7/18

Out: -22.427+/-0.047 $\chi^2$/NDF:631591.3/21

All: -20.114+/-0.033 $\chi^2$/NDF: 1285456.5/40

# reg_asym_atl2_diff_bpm1X_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -491.295+/-6.377 $\chi^2$/NDF:45.5/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -567.954+/-7.517 $\chi^2$/NDF:10.8/1

Left: -523.380+/-4.863 $\chi^2$/NDF: 116.8/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -567.954+/-7.517 $\chi^2$/NDF:10.8/1

Out: -491.295+/-6.377 $\chi^2$/NDF:45.5/2

All: -523.380+/-4.863 $\chi^2$/NDF: 116.8/4

# reg_asym_atl2_diff_bpm4aY_slope vs Slug, Sign Corrected

Right In: -3.773+/-1.889 $\chi^2$/NDF: 314.3/16

Left Out: -12.157+/-5.222 $\chi^2$/NDF:11.9/2

Right Out: 1.265+/-1.920 $\chi^2$/NDF: 303.7/18

Left In: 19.468+/-7.016 $\chi^2$/NDF:0.8/1

Left: -0.883+/-4.189 $\chi^2$/NDF: 25.8/4

Right: -1.296+/-1.346 $\chi^2$/NDF: 621.6/35

In: -2.203+/-1.824 $\chi^2$/NDF:325.4/18

Out: -0.333+/-1.802 $\chi^2$/NDF:321.4/21

All: -1.257+/-1.282 $\chi^2$/NDF: 647.3/40

reg_asym_atl2_diff_bpm4eX_slope vs Slug, Sign Corrected

Right In: 478.526+/-3.630 $\chi^2$/NDF: 1629.0/16

Left Out: 474.954+/-6.843 $\chi^2$/NDF:52.4/2

Right Out: 474.328+/-3.533 $\chi^2$/NDF: 2287.1/18

Left In: 559.827+/-8.063 $\chi^2$/NDF:8.0/1

Left: 510.485+/-5.217 $\chi^2$/NDF: 124.8/4

Right: 476.370+/-2.532 $\chi^2$/NDF: 3916.8/35

In: 492.227+/-3.310 $\chi^2$/NDF:1721.5/18

Out: 474.460+/-3.139 $\chi^2$/NDF:2339.6/21

All: 482.872+/-2.278 $\chi^2$/NDF: 4076.2/40

reg_asym_atl2_diff_bpm4eY_slope vs Slug, Sign Corrected

Right In: 117.585+/-2.193 $\chi^2$/NDF: 706.9/16

Left Out: 187.874+/-6.230 $\chi^2$/NDF:5.8/2

Right Out: 109.400+/-2.210 $\chi^2$/NDF: 571.2/18

Left In: 145.058+/-8.150 $\chi^2$/NDF:1.4/1

Left: 172.083+/-4.949 $\chi^2$/NDF: 24.7/4

Right: 113.524+/-1.557 $\chi^2$/NDF: 1285.0/35

In: 119.440+/-2.118 $\chi^2$/NDF:718.9/18

Out: 118.170+/-2.083 $\chi^2$/NDF:718.0/21

All: 118.794+/-1.485 $\chi^2$/NDF: 1437.1/40

# reg_asym_atl2_diff_bpm12X_slope vs Slug, Sign Corrected

Right In: -216.796+/-0.136 $\chi^2$/NDF: 146976.1/16

Left Out: -337.317+/-0.284 $\chi^2$/NDF:4275.5/2

Right Out: -212.869+/-0.130 $\chi^2$/NDF: 116393.6/18

Left In: -329.705+/-0.304 $\chi^2$/NDF:3179.4/1

Left: -333.767+/-0.207 $\chi^2$/NDF: 7790.2/4

Right: -214.751+/-0.094 $\chi^2$/NDF: 263806.1/35

In: -235.579+/-0.124 $\chi^2$/NDF:265408.0/18

Out: -234.483+/-0.118 $\chi^2$/NDF:279459.4/21

All: -235.006+/-0.086 $\chi^2$/NDF: 544908.4/40

# reg_asym_atr1_diff_bpm1X_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -73.378+/-1.873 $\chi^2$/NDF:18.7/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -80.800+/-2.106 $\chi^2$/NDF:14.7/1

Left: -76.655+/-1.400 $\chi^2$/NDF: 40.4/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -80.800+/-2.106 $\chi^2$/NDF:14.7/1

Out: -73.378+/-1.873 $\chi^2$/NDF:18.7/2

All: -76.655+/-1.400 $\chi^2$/NDF: 40.4/4

reg_asym_atr1_diff_bpm4aY_slope vs Slug, Sign Corrected

Right In: 18.279+/-0.906 $\chi^2$/NDF: 204.6/16

Left Out: 6.559+/-1.595 $\chi^2$/NDF:9.4/2

Right Out: 18.882+/-0.864 $\chi^2$/NDF: 198.4/18

Left In: -1.192+/-2.077 $\chi^2$/NDF:0.9/1

Left: 3.684+/-1.265 $\chi^2$/NDF: 19.0/4

Right: 18.595+/-0.625 $\chi^2$/NDF: 403.2/35

In: 15.169+/-0.830 $\chi^2$/NDF:279.3/18

Out: 16.084+/-0.760 $\chi^2$/NDF:254.0/21

All: 15.667+/-0.561 $\chi^2$/NDF: 534.0/40

# reg_asym_atr1_diff_bpm4eX_slope vs Slug, Sign Corrected

Right In: 50.482+/-1.668 $\chi^2$/NDF: 357.9/16

Left Out: 22.729+/-2.012 $\chi^2$/NDF:20.6/2

Right Out: 44.222+/-1.602 $\chi^2$/NDF: 534.4/18

Left In: 31.027+/-2.262 $\chi^2$/NDF:13.1/1

Left: 26.394+/-1.503 $\chi^2$/NDF: 41.2/4

Right: 47.226+/-1.156 $\chi^2$/NDF: 899.6/35

In: 43.630+/-1.342 $\chi^2$/NDF:418.9/18

Out: 35.878+/-1.253 $\chi^2$/NDF:624.8/21

All: 39.488+/-0.916 $\chi^2$/NDF: 1061.5/40

reg_asym_atr1_diff_bpm4eY_slope vs Slug, Sign Corrected

Right In: -33.292+/-1.033 $\chi^2$/NDF: 289.1/16

Left Out: -5.479+/-1.885 $\chi^2$/NDF:8.1/2

Right Out: -35.566+/-0.992 $\chi^2$/NDF: 287.6/18

Left In: 1.931+/-2.384 $\chi^2$/NDF:5.0/1

Left: -2.628+/-1.478 $\chi^2$/NDF: 19.0/4

Right: -34.474+/-0.716 $\chi^2$/NDF: 579.3/35

In: -27.722+/-0.948 $\chi^2$/NDF:477.9/18

Out: -29.034+/-0.878 $\chi^2$/NDF:495.2/21

All: -28.428+/-0.644 $\chi^2$/NDF: 974.1/40

reg_asym_atr1_diff_bpm12X_slope vs Slug, Sign Corrected

Right In: -21.476+/-0.059 $\chi^2$/NDF: 49009.8/16

Left Out: -37.193+/-0.082 $\chi^2$/NDF:2385.0/2

Right Out: -18.506+/-0.057 $\chi^2$/NDF: 80734.5/18

Left In: -34.108+/-0.084 $\chi^2$/NDF:853.0/1

Left: -35.687+/-0.059 $\chi^2$/NDF: 3923.0/4

Right: -19.957+/-0.041 $\chi^2$/NDF: 131054.3/35

In: -25.598+/-0.048 $\chi^2$/NDF:64982.4/18

Out: -24.608+/-0.047 $\chi^2$/NDF:117790.7/21

All: -25.091+/-0.034 $\chi^2$/NDF: 182989.1/40

# reg_asym_atr2_diff_bpm1X_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -375.356+/-5.519 $\chi^2$/NDF:44.8/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -468.940+/-6.539 $\chi^2$/NDF:46.3/1

Left: -414.295+/-4.218 $\chi^2$/NDF: 210.7/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -468.940+/-6.539 $\chi^2$/NDF:46.3/1

Out: -375.356+/-5.519 $\chi^2$/NDF:44.8/2

All: -414.295+/-4.218 $\chi^2$/NDF: 210.7/4

reg_asym_atr2_diff_bpm4aY_slope vs Slug, Sign Corrected

Right In: -17.765+/-2.781 $\chi^2$/NDF: 363.9/16

Left Out: -23.789+/-4.489 $\chi^2$/NDF:9.9/2

Right Out: -9.417+/-2.613 $\chi^2$/NDF: 369.6/18

Left In: 4.083+/-6.053 $\chi^2$/NDF:5.8/1

Left: -13.898+/-3.606 $\chi^2$/NDF: 29.4/4

Right: -13.331+/-1.905 $\chi^2$/NDF: 738.2/35

In: -13.955+/-2.527 $\chi^2$/NDF:380.4/18

Out: -13.054+/-2.258 $\chi^2$/NDF:387.2/21

All: -13.454+/-1.684 $\chi^2$/NDF: 767.6/40

# reg_asym_atr2_diff_bpm4eX_slope vs Slug, Sign Corrected

Right In: 675.871+/-5.037 $\chi^2$/NDF: 2586.4/16

Left Out: 518.138+/-5.920 $\chi^2$/NDF:52.5/2

Right Out: 645.014+/-4.761 $\chi^2$/NDF: 3123.3/18

Left In: 620.599+/-7.011 $\chi^2$/NDF:37.5/1

Left: 560.783+/-4.523 $\chi^2$/NDF: 214.7/4

Right: 659.573+/-3.460 $\chi^2$/NDF: 5729.5/35

In: 657.055+/-4.091 $\chi^2$/NDF:2664.9/18

Out: 595.185+/-3.710 $\chi^2$/NDF:3454.7/21

All: 623.107+/-2.748 $\chi^2$/NDF: 6245.1/40

# reg_asym_atr2_diff_bpm4eY_slope vs Slug, Sign Corrected

Right In: 175.341+/-3.203 $\chi^2$/NDF: 638.5/16

Left Out: 178.034+/-5.363 $\chi^2$/NDF:5.7/2

Right Out: 149.966+/-3.045 $\chi^2$/NDF: 693.2/18

Left In: 138.264+/-7.042 $\chi^2$/NDF:7.0/1

Left: 163.435+/-4.267 $\chi^2$/NDF: 32.9/4

Right: 162.013+/-2.207 $\chi^2$/NDF: 1364.6/35

In: 168.986+/-2.915 $\chi^2$/NDF:668.5/18

Out: 156.809+/-2.648 $\chi^2$/NDF:719.5/21

All: 162.313+/-1.960 $\chi^2$/NDF: 1397.6/40

reg_asym_atr2_diff_bpm12X_slope vs Slug, Sign Corrected

Right In: -238.248+/-0.160 $\chi^2$/NDF: 167125.9/16

Left Out: -287.120+/-0.246 $\chi^2$/NDF:1307.6/2

Right Out: -226.706+/-0.151 $\chi^2$/NDF: 102831.3/18

Left In: -281.315+/-0.265 $\chi^2$/NDF:1308.6/1

Left: -284.431+/-0.180 $\chi^2$/NDF: 2873.8/4

Right: -232.150+/-0.110 $\chi^2$/NDF: 272709.4/35

In: -249.748+/-0.137 $\chi^2$/NDF:187799.5/18

Out: -243.242+/-0.129 $\chi^2$/NDF:147894.2/21

All: -246.296+/-0.094 $\chi^2$/NDF: 336892.0/40

reg_asym_atl_avg_diff_bpm1X_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -259.982+/-3.604 $\chi^2$/NDF:68.7/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -307.040+/-4.223 $\chi^2$/NDF:10.7/1

Left: -279.814+/-2.742 $\chi^2$/NDF: 151.2/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -307.040+/-4.223 $\chi^2$/NDF:10.7/1

Out: -259.982+/-3.604 $\chi^2$/NDF:68.7/2

All: -279.814+/-2.742 $\chi^2$/NDF: 151.2/4

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug, Sign Corrected

Right In: 4.896+/-1.089 $\chi^2$/NDF: 312.0/16

Left Out: -5.755+/-2.974 $\chi^2$/NDF:10.0/2

Right Out: 5.534+/-1.071 $\chi^2$/NDF: 239.1/18

Left In: 8.569+/-3.984 $\chi^2$/NDF:0.0/1

Left: -0.628+/-2.383 $\chi^2$/NDF: 18.3/4

Right: 5.220+/-0.764 $\chi^2$/NDF: 551.3/35

In: 5.152+/-1.050 $\chi^2$/NDF:312.8/18

Out: 4.238+/-1.008 $\chi^2$/NDF:261.8/21

All: 4.676+/-0.727 $\chi^2$/NDF: 575.0/40

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug, Sign Corrected

Right In: 201.807+/-1.970 $\chi^2$/NDF: 6754.2/16

Left Out: 275.712+/-3.869 $\chi^2$/NDF:82.7/2

Right Out: 195.053+/-1.924 $\chi^2$/NDF: 8257.1/18

Left In: 327.542+/-4.532 $\chi^2$/NDF:6.6/1

Left: 297.560+/-2.942 $\chi^2$/NDF: 164.9/4

Right: 198.351+/-1.377 $\chi^2$/NDF: 15017.4/35

In: 221.797+/-1.807 $\chi^2$/NDF:7408.2/18

Out: 211.052+/-1.723 $\chi^2$/NDF:8688.2/21

All: 216.169+/-1.247 $\chi^2$/NDF: 16114.9/40

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug, Sign Corrected

Right In: 40.196+/-1.268 $\chi^2$/NDF: 735.0/16

Left Out: 95.463+/-3.542 $\chi^2$/NDF:3.8/2

Right Out: 32.999+/-1.253 $\chi^2$/NDF: 554.1/18

Left In: 75.664+/-4.618 $\chi^2$/NDF:1.7/1

Left: 88.130+/-2.811 $\chi^2$/NDF: 17.0/4

Right: 36.555+/-0.891 $\chi^2$/NDF: 1305.3/35

In: 42.681+/-1.222 $\chi^2$/NDF:791.5/18

Out: 39.941+/-1.181 $\chi^2$/NDF:834.2/21

All: 41.264+/-0.849 $\chi^2$/NDF: 1628.3/40

reg_asym_atl_avg_diff_bpm12X_slope vs Slug, Sign Corrected

Right In: -58.155+/-0.062 $\chi^2$/NDF: 1105509.3/16

Left Out: -186.714+/-0.160 $\chi^2$/NDF:7924.9/2

Right Out: -54.914+/-0.060 $\chi^2$/NDF: 1003885.5/18

Left In: -181.493+/-0.170 $\chi^2$/NDF:5232.4/1

Left: -184.263+/-0.117 $\chi^2$/NDF: 13656.2/4

Right: -56.499+/-0.043 $\chi^2$/NDF: 2110811.0/35

In: -72.422+/-0.058 $\chi^2$/NDF:1574855.9/18

Out: -71.246+/-0.056 $\chi^2$/NDF:1605368.5/21

All: -71.818+/-0.040 $\chi^2$/NDF: 3180435.9/40

reg_asym_atl_dd_diff_bpm1X_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 231.717+/-2.997 $\chi^2$/NDF:17.6/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 261.055+/-3.510 $\chi^2$/NDF:8.7/1

Left: 244.084+/-2.279 $\chi^2$/NDF: 66.7/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 261.055+/-3.510 $\chi^2$/NDF:8.7/1

Out: 231.717+/-2.997 $\chi^2$/NDF:17.6/2

All: 244.084+/-2.279 $\chi^2$/NDF: 66.7/4

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug, Sign Corrected

Right In: 13.423+/-0.920 $\chi^2$/NDF: 295.2/16

Left Out: 6.613+/-2.446 $\chi^2$/NDF:13.0/2

Right Out: 10.908+/-0.916 $\chi^2$/NDF: 302.6/18

Left In: -10.844+/-3.258 $\chi^2$/NDF:2.9/1

Left: 0.322+/-1.956 $\chi^2$/NDF: 34.3/4

Right: 12.160+/-0.649 $\chi^2$/NDF: 601.6/35

In: 11.633+/-0.885 $\chi^2$/NDF:349.5/18

Out: 10.379+/-0.858 $\chi^2$/NDF:318.3/21

All: 10.986+/-0.616 $\chi^2$/NDF: 668.8/40

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug, Sign Corrected

Right In: -201.384+/-1.779 $\chi^2$/NDF: 623.5/16

Left Out: -199.488+/-3.215 $\chi^2$/NDF:18.5/2

Right Out: -185.739+/-1.700 $\chi^2$/NDF: 1749.3/18

Left In: -232.377+/-3.764 $\chi^2$/NDF:7.9/1

Left: -213.359+/-2.445 $\chi^2$/NDF: 70.5/4

Right: -193.204+/-1.229 $\chi^2$/NDF: 2413.2/35

In: -207.044+/-1.609 $\chi^2$/NDF:686.8/18

Out: -188.743+/-1.503 $\chi^2$/NDF:1782.1/21

All: -197.272+/-1.098 $\chi^2$/NDF: 2538.0/40

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug, Sign Corrected

Right In: -77.877+/-1.066 $\chi^2$/NDF: 658.2/16

Left Out: -92.621+/-2.916 $\chi^2$/NDF:8.6/2

Right Out: -72.612+/-1.054 $\chi^2$/NDF: 606.9/18

Left In: -69.337+/-3.788 $\chi^2$/NDF:0.9/1

Left: -83.955+/-2.311 $\chi^2$/NDF: 33.3/4

Right: -75.215+/-0.749 $\chi^2$/NDF: 1277.4/35

In: -77.251+/-1.026 $\chi^2$/NDF:663.8/18

Out: -74.922+/-0.991 $\chi^2$/NDF:657.1/21

All: -76.047+/-0.713 $\chi^2$/NDF: 1323.6/40

reg_asym_atl_dd_diff_bpm12X_slope vs Slug, Sign Corrected

Right In: 103.188+/-0.070 $\chi^2$/NDF: 273587.8/16

Left Out: 150.074+/-0.133 $\chi^2$/NDF:1081.8/2

Right Out: 85.121+/-0.064 $\chi^2$/NDF: 423521.4/18

Left In: 147.884+/-0.142 $\chi^2$/NDF:1150.6/1

Left: 149.049+/-0.097 $\chi^2$/NDF: 2358.9/4

Right: 93.266+/-0.047 $\chi^2$/NDF: 733347.5/35

In: 111.984+/-0.063 $\chi^2$/NDF:354213.7/18

Out: 97.218+/-0.057 $\chi^2$/NDF:618091.5/21

All: 103.923+/-0.042 $\chi^2$/NDF: 1002264.6/40

reg_asym_atr_avg_diff_bpm1X_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -224.464+/-3.186 $\chi^2$/NDF:49.7/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -274.416+/-3.735 $\chi^2$/NDF:48.7/1

Left: -245.500+/-2.424 $\chi^2$/NDF: 202.0/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -274.416+/-3.735 $\chi^2$/NDF:48.7/1

Out: -224.464+/-3.186 $\chi^2$/NDF:49.7/2

All: -245.500+/-2.424 $\chi^2$/NDF: 202.0/4

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug, Sign Corrected

Right In: -1.492+/-1.513 $\chi^2$/NDF: 226.1/16

Left Out: -8.544+/-2.607 $\chi^2$/NDF:12.2/2

Right Out: 2.127+/-1.402 $\chi^2$/NDF: 232.6/18

Left In: 1.955+/-3.476 $\chi^2$/NDF:3.5/1

Left: -4.765+/-2.085 $\chi^2$/NDF: 21.5/4

Right: 0.455+/-1.029 $\chi^2$/NDF: 461.8/35

In: -0.943+/-1.388 $\chi^2$/NDF:230.4/18

Out: -0.269+/-1.235 $\chi^2$/NDF:257.8/21

All: -0.567+/-0.922 $\chi^2$/NDF: 488.4/40

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug, Sign Corrected

Right In: 372.263+/-2.759 $\chi^2$/NDF: 2433.1/16

Left Out: 270.532+/-3.417 $\chi^2$/NDF:57.4/2

Right Out: 345.135+/-2.562 $\chi^2$/NDF: 3416.5/18

Left In: 325.318+/-4.005 $\chi^2$/NDF:39.9/1

Left: 293.609+/-2.600 $\chi^2$/NDF: 205.6/4

Right: 357.695+/-1.878 $\chi^2$/NDF: 5901.5/35

In: 357.154+/-2.272 $\chi^2$/NDF:2566.2/18

Out: 318.287+/-2.050 $\chi^2$/NDF:3779.0/21

All: 335.725+/-1.522 $\chi^2$/NDF: 6506.5/40

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug, Sign Corrected

Right In: 70.867+/-1.743 $\chi^2$/NDF: 427.0/16

Left Out: 86.111+/-3.110 $\chi^2$/NDF:7.2/2

Right Out: 59.546+/-1.633 $\chi^2$/NDF: 490.9/18

Left In: 69.842+/-4.039 $\chi^2$/NDF:8.6/1

Left: 80.055+/-2.464 $\chi^2$/NDF: 25.9/4

Right: 64.838+/-1.192 $\chi^2$/NDF: 940.3/35

In: 70.706+/-1.600 $\chi^2$/NDF:435.6/18

Out: 65.286+/-1.446 $\chi^2$/NDF:555.2/21

All: 67.722+/-1.073 $\chi^2$/NDF: 997.2/40

reg_asym_atr_avg_diff_bpm12X_slope vs Slug, Sign Corrected

Right In: -127.105+/-0.089 $\chi^2$/NDF: 167064.7/16

Left Out: -162.253+/-0.142 $\chi^2$/NDF:2031.5/2

Right Out: -116.369+/-0.083 $\chi^2$/NDF: 167595.6/18

Left In: -157.770+/-0.151 $\chi^2$/NDF:1604.2/1

Left: -160.152+/-0.103 $\chi^2$/NDF: 4103.3/4

Right: -121.332+/-0.061 $\chi^2$/NDF: 342408.2/35

In: -135.061+/-0.077 $\chi^2$/NDF:199172.3/18

Out: -128.045+/-0.072 $\chi^2$/NDF:247539.7/21

All: -131.300+/-0.052 $\chi^2$/NDF: 451166.1/40

reg_asym_atr_dd_diff_bpm1X_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 151.240+/-2.634 $\chi^2$/NDF:28.4/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 195.394+/-3.116 $\chi^2$/NDF:32.9/1

Left: 169.642+/-2.012 $\chi^2$/NDF: 178.4/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 195.394+/-3.116 $\chi^2$/NDF:32.9/1

Out: 151.240+/-2.634 $\chi^2$/NDF:28.4/2

All: 169.642+/-2.012 $\chi^2$/NDF: 178.4/4

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug, Sign Corrected

Right In: 19.416+/-1.480 $\chi^2$/NDF: 441.1/16

Left Out: 15.676+/-2.148 $\chi^2$/NDF:6.1/2

Right Out: 14.055+/-1.392 $\chi^2$/NDF: 436.5/18

Left In: -2.416+/-2.906 $\chi^2$/NDF:7.8/1

Left: 9.285+/-1.727 $\chi^2$/NDF: 39.0/4

Right: 16.572+/-1.014 $\chi^2$/NDF: 884.6/35

In: 14.922+/-1.319 $\chi^2$/NDF:493.7/18

Out: 14.534+/-1.168 $\chi^2$/NDF:443.1/21

All: 14.705+/-0.874 $\chi^2$/NDF: 936.8/40

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug, Sign Corrected

Right In: -323.721+/-2.668 $\chi^2$/NDF: 1850.8/16

Left Out: -247.885+/-2.826 $\chi^2$/NDF:34.3/2

Right Out: -310.223+/-2.523 $\chi^2$/NDF: 2300.0/18

Left In: -296.170+/-3.342 $\chi^2$/NDF:26.1/1

Left: -268.016+/-2.158 $\chi^2$/NDF: 182.1/4

Right: -316.595+/-1.833 $\chi^2$/NDF: 4164.2/35

In: -312.997+/-2.085 $\chi^2$/NDF:1918.4/18

Out: -282.576+/-1.882 $\chi^2$/NDF:2605.0/21

All: -296.233+/-1.397 $\chi^2$/NDF: 4640.7/40

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug, Sign Corrected

Right In: -105.309+/-1.693 $\chi^2$/NDF: 737.5/16

Left Out: -92.376+/-2.564 $\chi^2$/NDF:3.8/2

Right Out: -93.680+/-1.612 $\chi^2$/NDF: 826.5/18

Left In: -68.041+/-3.376 $\chi^2$/NDF:4.1/1

Left: -83.477+/-2.042 $\chi^2$/NDF: 40.8/4

Right: -99.207+/-1.167 $\chi^2$/NDF: 1588.8/35

In: -97.818+/-1.514 $\chi^2$/NDF:838.9/18

Out: -93.310+/-1.364 $\chi^2$/NDF:830.5/21

All: -95.331+/-1.013 $\chi^2$/NDF: 1674.3/40

reg_asym_atr_dd_diff_bpm12X_slope vs Slug, Sign Corrected

Right In: 108.461+/-0.085 $\chi^2$/NDF: 73302.1/16

Left Out: 124.621+/-0.117 $\chi^2$/NDF:505.4/2

Right Out: 102.570+/-0.079 $\chi^2$/NDF: 53143.8/18

Left In: 123.367+/-0.126 $\chi^2$/NDF:784.7/1

Left: 124.040+/-0.086 $\chi^2$/NDF: 1343.0/4

Right: 105.327+/-0.058 $\chi^2$/NDF: 129018.0/35

In: 113.093+/-0.070 $\chi^2$/NDF:83707.3/18

Out: 109.506+/-0.066 $\chi^2$/NDF:77872.2/21

All: 111.180+/-0.048 $\chi^2$/NDF: 162966.7/40

reg_asym_at1_avg_diff_bpm1X_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -51.054+/-1.334 $\chi^2$/NDF:85.0/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -63.440+/-1.501 $\chi^2$/NDF:12.3/1

Left: -56.520+/-0.997 $\chi^2$/NDF: 135.3/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -63.440+/-1.501 $\chi^2$/NDF:12.3/1

Out: -51.054+/-1.334 $\chi^2$/NDF:85.0/2

All: -56.520+/-0.997 $\chi^2$/NDF: 135.3/4

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug, Sign Corrected

Right In: 18.906+/-0.644 $\chi^2$/NDF: 618.9/16

Left Out: 3.303+/-1.146 $\chi^2$/NDF:7.3/2

Right Out: 20.390+/-0.644 $\chi^2$/NDF: 365.3/18

Left In: -2.143+/-1.490 $\chi^2$/NDF:7.3/1

Left: 1.279+/-0.908 $\chi^2$/NDF: 23.0/4

Right: 19.648+/-0.455 $\chi^2$/NDF: 986.9/35

In: 15.597+/-0.591 $\chi^2$/NDF:794.4/18

Out: 16.290+/-0.561 $\chi^2$/NDF:541.6/21

All: 15.961+/-0.407 $\chi^2$/NDF: 1336.7/40

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug, Sign Corrected

Right In: 73.071+/-1.228 $\chi^2$/NDF: 1200.0/16

Left Out: 49.522+/-1.434 $\chi^2$/NDF:106.2/2

Right Out: 78.241+/-1.223 $\chi^2$/NDF: 1542.7/18

Left In: 63.028+/-1.613 $\chi^2$/NDF:6.6/1

Left: 55.483+/-1.072 $\chi^2$/NDF: 152.0/4

Right: 75.667+/-0.866 $\chi^2$/NDF: 2751.5/35

In: 69.386+/-0.977 $\chi^2$/NDF:1231.1/18

Out: 66.150+/-0.930 $\chi^2$/NDF:1881.2/21

All: 67.689+/-0.674 $\chi^2$/NDF: 3118.1/40

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected

Right In: -33.991+/-0.736 $\chi^2$/NDF: 719.8/16

Left Out: -0.884+/-1.352 $\chi^2$/NDF:4.1/2

Right Out: -36.719+/-0.737 $\chi^2$/NDF: 542.9/18

Left In: 4.206+/-1.708 $\chi^2$/NDF:4.4/1

Left: 1.077+/-1.060 $\chi^2$/NDF: 14.0/4

Right: -35.354+/-0.521 $\chi^2$/NDF: 1269.6/35

In: -28.008+/-0.676 $\chi^2$/NDF:1145.8/18

Out: -28.515+/-0.647 $\chi^2$/NDF:1088.7/21

All: -28.272+/-0.467 $\chi^2$/NDF: 2234.7/40

reg_asym_at1_avg_diff_bpm12X_slope vs Slug, Sign Corrected

Right In: -16.408+/-0.044 $\chi^2$/NDF: 474368.4/16

Left Out: -36.366+/-0.059 $\chi^2$/NDF:13331.5/2

Right Out: -18.934+/-0.045 $\chi^2$/NDF: 434152.2/18

Left In: -33.579+/-0.060 $\chi^2$/NDF:6579.0/1

Left: -35.006+/-0.042 $\chi^2$/NDF: 21014.8/4

Right: -17.648+/-0.032 $\chi^2$/NDF: 910108.0/35

In: -22.487+/-0.036 $\chi^2$/NDF:533848.3/18

Out: -25.445+/-0.036 $\chi^2$/NDF:502939.7/21

All: -23.961+/-0.025 $\chi^2$/NDF: 1040210.1/40

reg_asym_at1_dd_diff_bpm1X_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 22.207+/-1.189 $\chi^2$/NDF:18.4/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 16.300+/-1.332 $\chi^2$/NDF:2.1/1

Left: 19.589+/-0.887 $\chi^2$/NDF: 31.4/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 16.300+/-1.332 $\chi^2$/NDF:2.1/1

Out: 22.207+/-1.189 $\chi^2$/NDF:18.4/2

All: 19.589+/-0.887 $\chi^2$/NDF: 31.4/4

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug, Sign Corrected

Right In: -0.414+/-0.653 $\chi^2$/NDF: 119.9/16

Left Out: -2.762+/-1.016 $\chi^2$/NDF:4.7/2

Right Out: -0.342+/-0.658 $\chi^2$/NDF: 83.7/18

Left In: -0.911+/-1.326 $\chi^2$/NDF:2.1/1

Left: -2.078+/-0.806 $\chi^2$/NDF: 8.0/4

Right: -0.378+/-0.463 $\chi^2$/NDF: 203.7/35

In: -0.511+/-0.586 $\chi^2$/NDF:122.1/18

Out: -1.057+/-0.552 $\chi^2$/NDF:92.4/21

All: -0.800+/-0.402 $\chi^2$/NDF: 215.0/40

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected

Right In: 17.328+/-1.239 $\chi^2$/NDF: 943.2/16

Left Out: 27.001+/-1.277 $\chi^2$/NDF:27.9/2

Right Out: 25.701+/-1.243 $\chi^2$/NDF: 1379.1/18

Left In: 33.199+/-1.431 $\chi^2$/NDF:4.5/1

Left: 29.750+/-0.953 $\chi^2$/NDF: 42.8/4

Right: 21.501+/-0.877 $\chi^2$/NDF: 2345.0/35

In: 24.128+/-0.936 $\chi^2$/NDF:1018.0/18

Out: 26.333+/-0.891 $\chi^2$/NDF:1407.5/21

All: 25.286+/-0.645 $\chi^2$/NDF: 2428.4/40

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug, Sign Corrected

Right In: -0.059+/-0.744 $\chi^2$/NDF: 76.5/16

Left Out: 4.198+/-1.198 $\chi^2$/NDF:8.4/2

Right Out: 0.326+/-0.749 $\chi^2$/NDF: 55.1/18

Left In: 2.310+/-1.519 $\chi^2$/NDF:1.0/1

Left: 3.474+/-0.941 $\chi^2$/NDF: 10.3/4

Right: 0.132+/-0.528 $\chi^2$/NDF: 131.8/35

In: 0.399+/-0.668 $\chi^2$/NDF:79.5/18

Out: 1.415+/-0.635 $\chi^2$/NDF:71.0/21

All: 0.932+/-0.460 $\chi^2$/NDF: 151.7/40

reg_asym_at1_dd_diff_bpm12X_slope vs Slug, Sign Corrected

Right In: 7.454+/-0.044 $\chi^2$/NDF: 356053.3/16

Left Out: 0.429+/-0.052 $\chi^2$/NDF:3973.4/2

Right Out: 3.502+/-0.046 $\chi^2$/NDF: 510579.7/18

Left In: 0.236+/-0.053 $\chi^2$/NDF:1827.0/1

Left: 0.335+/-0.037 $\chi^2$/NDF: 5807.1/4

Right: 5.528+/-0.032 $\chi^2$/NDF: 870492.1/35

In: 4.500+/-0.034 $\chi^2$/NDF:368688.5/18

Out: 2.171+/-0.034 $\chi^2$/NDF:516525.2/21

All: 3.340+/-0.024 $\chi^2$/NDF: 887529.9/40

reg_asym_at2_avg_diff_bpm1X_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -433.507+/-5.794 $\chi^2$/NDF:47.0/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -518.141+/-6.863 $\chi^2$/NDF:25.8/1

Left: -468.724+/-4.427 $\chi^2$/NDF: 161.6/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -518.141+/-6.863 $\chi^2$/NDF:25.8/1

Out: -433.507+/-5.794 $\chi^2$/NDF:47.0/2

All: -468.724+/-4.427 $\chi^2$/NDF: 161.6/4

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected

Right In: -12.500+/-2.311 $\chi^2$/NDF: 341.1/16

Left Out: -17.754+/-4.719 $\chi^2$/NDF:11.3/2

Right Out: -5.363+/-2.264 $\chi^2$/NDF: 344.6/18

Left In: 11.713+/-6.361 $\chi^2$/NDF:2.7/1

Left: -7.294+/-3.790 $\chi^2$/NDF: 27.8/4

Right: -8.858+/-1.617 $\chi^2$/NDF: 690.5/35

In: -9.677+/-2.172 $\chi^2$/NDF:356.6/18

Out: -7.682+/-2.041 $\chi^2$/NDF:361.4/21

All: -8.617+/-1.488 $\chi^2$/NDF: 718.4/40

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected

Right In: 588.421+/-4.320 $\chi^2$/NDF: 2130.2/16

Left Out: 496.765+/-6.215 $\chi^2$/NDF:54.7/2

Right Out: 567.451+/-4.137 $\chi^2$/NDF: 2784.8/18

Left In: 589.905+/-7.360 $\chi^2$/NDF:20.2/1

Left: 535.532+/-4.749 $\chi^2$/NDF: 168.4/4

Right: 577.481+/-2.988 $\chi^2$/NDF: 4927.3/35

In: 588.801+/-3.726 $\chi^2$/NDF:2150.4/18

Out: 545.749+/-3.444 $\chi^2$/NDF:2929.1/21

All: 565.583+/-2.529 $\chi^2$/NDF: 5151.6/40

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected

Right In: 150.891+/-2.674 $\chi^2$/NDF: 634.8/16

Left Out: 182.722+/-5.636 $\chi^2$/NDF:5.9/2

Right Out: 134.381+/-2.620 $\chi^2$/NDF: 584.9/18

Left In: 141.766+/-7.399 $\chi^2$/NDF:3.7/1

Left: 167.685+/-4.483 $\chi^2$/NDF: 29.0/4

Right: 142.467+/-1.871 $\chi^2$/NDF: 1239.2/35

In: 149.837+/-2.515 $\chi^2$/NDF:639.8/18

Out: 142.970+/-2.376 $\chi^2$/NDF:651.3/21

All: 146.208+/-1.727 $\chi^2$/NDF: 1295.1/40

reg_asym_at2_avg_diff_bpm12X_slope vs Slug, Sign Corrected

Right In: -234.341+/-0.148 $\chi^2$/NDF: 145165.1/16

Left Out: -312.447+/-0.258 $\chi^2$/NDF:2789.0/2

Right Out: -226.716+/-0.141 $\chi^2$/NDF: 99440.4/18

Left In: -305.687+/-0.278 $\chi^2$/NDF:2305.5/1

Left: -309.313+/-0.189 $\chi^2$/NDF: 5412.0/4

Right: -230.345+/-0.102 $\chi^2$/NDF: 245990.9/35

In: -250.161+/-0.131 $\chi^2$/NDF:198786.9/18

Out: -246.466+/-0.124 $\chi^2$/NDF:187002.6/21

All: -248.214+/-0.090 $\chi^2$/NDF: 386209.8/40

reg_asym_at2_dd_diff_bpm1X_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 57.157+/-1.384 $\chi^2$/NDF:29.8/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 48.260+/-1.561 $\chi^2$/NDF:35.6/1

Left: 53.241+/-1.036 $\chi^2$/NDF: 83.6/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 48.260+/-1.561 $\chi^2$/NDF:35.6/1

Out: 57.157+/-1.384 $\chi^2$/NDF:29.8/2

All: 53.241+/-1.036 $\chi^2$/NDF: 83.6/4

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected

Right In: -7.381+/-0.779 $\chi^2$/NDF: 283.6/16

Left Out: -6.166+/-1.187 $\chi^2$/NDF:4.5/2

Right Out: -7.256+/-0.762 $\chi^2$/NDF: 257.3/18

Left In: -6.869+/-1.551 $\chi^2$/NDF:8.2/1

Left: -6.426+/-0.943 $\chi^2$/NDF: 12.7/4

Right: -7.317+/-0.545 $\chi^2$/NDF: 540.9/35

In: -7.278+/-0.696 $\chi^2$/NDF:291.8/18

Out: -6.938+/-0.641 $\chi^2$/NDF:262.4/21

All: -7.094+/-0.472 $\chi^2$/NDF: 554.3/40

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected

Right In: 117.302+/-1.409 $\chi^2$/NDF: 2161.3/16

Left Out: 22.284+/-1.487 $\chi^2$/NDF:29.0/2

Right Out: 115.405+/-1.361 $\chi^2$/NDF: 2150.5/18

Left In: 31.547+/-1.677 $\chi^2$/NDF:31.6/1

Left: 26.363+/-1.113 $\chi^2$/NDF: 77.7/4

Right: 116.321+/-0.979 $\chi^2$/NDF: 4312.7/35

In: 81.831+/-1.079 $\chi^2$/NDF:3726.0/18

Out: 72.983+/-1.004 $\chi^2$/NDF:4313.4/21

All: 77.090+/-0.735 $\chi^2$/NDF: 8075.4/40

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected

Right In: 22.250+/-0.889 $\chi^2$/NDF: 1071.4/16

Left Out: -4.424+/-1.402 $\chi^2$/NDF:2.2/2

Right Out: 18.395+/-0.872 $\chi^2$/NDF: 1077.1/18

Left In: -4.447+/-1.778 $\chi^2$/NDF:7.2/1

Left: -4.433+/-1.101 $\chi^2$/NDF: 9.4/4

Right: 20.284+/-0.622 $\chi^2$/NDF: 2158.2/35

In: 16.907+/-0.795 $\chi^2$/NDF:1259.0/18

Out: 12.029+/-0.740 $\chi^2$/NDF:1270.5/21

All: 14.294+/-0.542 $\chi^2$/NDF: 2549.7/40

reg_asym_at2_dd_diff_bpm12X_slope vs Slug, Sign Corrected

Right In: -6.482+/-0.046 $\chi^2$/NDF: 265804.1/16

Left Out: 24.530+/-0.061 $\chi^2$/NDF:6818.8/2

Right Out: -2.751+/-0.046 $\chi^2$/NDF: 266291.4/18

Left In: 23.891+/-0.062 $\chi^2$/NDF:3359.9/1

Left: 24.219+/-0.043 $\chi^2$/NDF: 10232.7/4

Right: -4.597+/-0.032 $\chi^2$/NDF: 535394.7/35

In: 4.272+/-0.037 $\chi^2$/NDF:422434.8/18

Out: 7.115+/-0.036 $\chi^2$/NDF:402104.4/21

All: 5.716+/-0.026 $\chi^2$/NDF: 827523.6/40

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -202.650+/-3.201 $\chi^2$/NDF:68.7/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -258.330+/-3.763 $\chi^2$/NDF:40.9/1

Left: -226.024+/-2.438 $\chi^2$/NDF: 236.6/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -258.330+/-3.763 $\chi^2$/NDF:40.9/1

Out: -202.650+/-3.201 $\chi^2$/NDF:68.7/2

All: -226.024+/-2.438 $\chi^2$/NDF: 236.6/4

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected

Right In: -2.981+/-1.450 $\chi^2$/NDF: 203.9/16

Left Out: -11.547+/-2.628 $\chi^2$/NDF:7.8/2

Right Out: -2.548+/-1.399 $\chi^2$/NDF: 218.1/18

Left In: 1.119+/-3.527 $\chi^2$/NDF:2.0/1

Left: -7.026+/-2.107 $\chi^2$/NDF: 18.1/4

Right: -2.757+/-1.007 $\chi^2$/NDF: 422.1/35

In: -2.388+/-1.341 $\chi^2$/NDF:207.1/18

Out: -4.535+/-1.235 $\chi^2$/NDF:235.0/21

All: -3.550+/-0.908 $\chi^2$/NDF: 443.5/40

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected

Right In: 266.624+/-2.477 $\chi^2$/NDF: 7662.7/16

Left Out: 297.997+/-3.435 $\chi^2$/NDF:84.4/2

Right Out: 261.551+/-2.458 $\chi^2$/NDF: 8208.2/18

Left In: 358.761+/-4.037 $\chi^2$/NDF:30.1/1

Left: 323.514+/-2.616 $\chi^2$/NDF: 245.9/4

Right: 264.068+/-1.745 $\chi^2$/NDF: 15873.0/35

In: 291.827+/-2.111 $\chi^2$/NDF:8071.2/18

Out: 273.892+/-1.999 $\chi^2$/NDF:8367.1/21

All: 282.368+/-1.452 $\chi^2$/NDF: 16476.3/40

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected

Right In: 62.566+/-1.678 $\chi^2$/NDF: 722.4/16

Left Out: 90.596+/-3.133 $\chi^2$/NDF:2.9/2

Right Out: 50.526+/-1.643 $\chi^2$/NDF: 657.0/18

Left In: 71.989+/-4.094 $\chi^2$/NDF:7.0/1

Left: 83.723+/-2.488 $\chi^2$/NDF: 22.9/4

Right: 56.420+/-1.174 $\chi^2$/NDF: 1405.7/35

In: 63.922+/-1.553 $\chi^2$/NDF:733.9/18

Out: 59.172+/-1.455 $\chi^2$/NDF:788.2/21

All: 61.393+/-1.062 $\chi^2$/NDF: 1527.1/40

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug, Sign Corrected

Right In: -53.567+/-0.070 $\chi^2$/NDF: 1230233.3/16

Left Out: -161.955+/-0.142 $\chi^2$/NDF:4332.6/2

Right Out: -55.502+/-0.072 $\chi^2$/NDF: 969632.0/18

Left In: -157.552+/-0.152 $\chi^2$/NDF:3118.2/1

Left: -159.898+/-0.104 $\chi^2$/NDF: 7897.5/4

Right: -54.512+/-0.050 $\chi^2$/NDF: 2200235.7/35

In: -71.863+/-0.064 $\chi^2$/NDF:1618609.9/18

Out: -77.132+/-0.064 $\chi^2$/NDF:1419291.9/21

All: -74.481+/-0.045 $\chi^2$/NDF: 3041291.4/40

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 173.492+/-2.571 $\chi^2$/NDF:15.1/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 210.818+/-3.020 $\chi^2$/NDF:41.6/1

Left: 189.173+/-1.958 $\chi^2$/NDF: 145.3/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 210.818+/-3.020 $\chi^2$/NDF:41.6/1

Out: 173.492+/-2.571 $\chi^2$/NDF:15.1/2

All: 189.173+/-1.958 $\chi^2$/NDF: 145.3/4

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected

Right In: 22.221+/-1.374 $\chi^2$/NDF: 385.6/16

Left Out: 12.746+/-2.084 $\chi^2$/NDF:12.0/2

Right Out: 16.466+/-1.230 $\chi^2$/NDF: 425.9/18

Left In: -3.061+/-2.785 $\chi^2$/NDF:11.4/1

Left: 7.072+/-1.669 $\chi^2$/NDF: 44.1/4

Right: 19.025+/-0.916 $\chi^2$/NDF: 821.2/35

In: 17.273+/-1.232 $\chi^2$/NDF:463.3/18

Out: 15.505+/-1.059 $\chi^2$/NDF:440.2/21

All: 16.257+/-0.803 $\chi^2$/NDF: 904.7/40

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected

Right In: -332.037+/-2.562 $\chi^2$/NDF: 784.9/16

Left Out: -220.766+/-2.757 $\chi^2$/NDF:15.4/2

Right Out: -275.853+/-2.324 $\chi^2$/NDF: 3362.8/18

Left In: -261.969+/-3.237 $\chi^2$/NDF:37.4/1

Left: -238.086+/-2.099 $\chi^2$/NDF: 146.7/4

Right: -301.220+/-1.721 $\chi^2$/NDF: 4411.6/35

In: -305.054+/-2.009 $\chi^2$/NDF:1110.4/18

Out: -252.965+/-1.777 $\chi^2$/NDF:3611.6/21

All: -275.831+/-1.331 $\chi^2$/NDF: 5099.1/40

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected

Right In: -110.745+/-1.578 $\chi^2$/NDF: 513.4/16

Left Out: -87.960+/-2.488 $\chi^2$/NDF:10.1/2

Right Out: -88.600+/-1.435 $\chi^2$/NDF: 969.7/18

Left In: -66.007+/-3.241 $\chi^2$/NDF:5.7/1

Left: -79.820+/-1.974 $\chi^2$/NDF: 44.7/4

Right: -98.623+/-1.061 $\chi^2$/NDF: 1591.0/35

In: -102.176+/-1.418 $\chi^2$/NDF:673.2/18

Out: -88.440+/-1.243 $\chi^2$/NDF:979.9/21

All: -94.405+/-0.935 $\chi^2$/NDF: 1706.2/40

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug, Sign Corrected

Right In: 127.179+/-0.089 $\chi^2$/NDF: 188050.9/16

Left Out: 124.561+/-0.114 $\chi^2$/NDF:39.3/2

Right Out: 82.684+/-0.075 $\chi^2$/NDF: 765716.0/18

Left In: 123.345+/-0.123 $\chi^2$/NDF:90.8/1

Left: 123.995+/-0.084 $\chi^2$/NDF: 182.7/4

Right: 101.242+/-0.057 $\chi^2$/NDF: 1099401.9/35

In: 125.856+/-0.072 $\chi^2$/NDF:188782.0/18

Out: 95.339+/-0.063 $\chi^2$/NDF:859223.1/21

All: 108.541+/-0.047 $\chi^2$/NDF: 1149831.1/40

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -282.351+/-3.617 $\chi^2$/NDF:49.0/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -323.512+/-4.231 $\chi^2$/NDF:14.3/1

Left: -299.730+/-2.749 $\chi^2$/NDF: 118.0/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -323.512+/-4.231 $\chi^2$/NDF:14.3/1

Out: -282.351+/-3.617 $\chi^2$/NDF:49.0/2

All: -299.730+/-2.749 $\chi^2$/NDF: 118.0/4

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected

Right In: 7.284+/-1.084 $\chi^2$/NDF: 261.0/16

Left Out: -2.708+/-2.974 $\chi^2$/NDF:13.9/2

Right Out: 9.505+/-1.074 $\chi^2$/NDF: 231.5/18

Left In: 9.510+/-3.959 $\chi^2$/NDF:0.3/1

Left: 1.698+/-2.378 $\chi^2$/NDF: 20.4/4

Right: 8.404+/-0.763 $\chi^2$/NDF: 494.7/35

In: 7.439+/-1.045 $\chi^2$/NDF:261.6/18

Out: 8.094+/-1.011 $\chi^2$/NDF:260.4/21

All: 7.778+/-0.726 $\chi^2$/NDF: 522.2/40

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected

Right In: 269.748+/-2.071 $\chi^2$/NDF: 1374.1/16

Left Out: 248.886+/-3.881 $\chi^2$/NDF:55.7/2

Right Out: 260.206+/-1.978 $\chi^2$/NDF: 2541.6/18

Left In: 294.540+/-4.539 $\chi^2$/NDF:11.0/1

Left: 268.165+/-2.950 $\chi^2$/NDF: 125.2/4

Right: 264.757+/-1.430 $\chi^2$/NDF: 3926.7/35

In: 274.021+/-1.884 $\chi^2$/NDF:1409.8/18

Out: 257.872+/-1.762 $\chi^2$/NDF:2604.1/21

All: 265.406+/-1.287 $\chi^2$/NDF: 4053.0/40

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected

Right In: 42.006+/-1.255 $\chi^2$/NDF: 575.6/16

Left Out: 91.029+/-3.545 $\chi^2$/NDF:7.5/2

Right Out: 37.284+/-1.237 $\chi^2$/NDF: 472.6/18

Left In: 73.398+/-4.596 $\chi^2$/NDF:2.5/1

Left: 84.453+/-2.807 $\chi^2$/NDF: 19.2/4

Right: 39.611+/-0.881 $\chi^2$/NDF: 1055.4/35

In: 44.186+/-1.211 $\chi^2$/NDF:621.4/18

Out: 43.120+/-1.168 $\chi^2$/NDF:685.1/21

All: 43.634+/-0.841 $\chi^2$/NDF: 1306.9/40

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug, Sign Corrected

Right In: -117.516+/-0.078 $\chi^2$/NDF: 142016.6/16

Left Out: -187.298+/-0.161 $\chi^2$/NDF:4725.0/2

Right Out: -105.892+/-0.073 $\chi^2$/NDF: 324304.4/18

Left In: -181.935+/-0.171 $\chi^2$/NDF:3314.6/1

Left: -184.776+/-0.117 $\chi^2$/NDF: 8562.0/4

Right: -111.303+/-0.053 $\chi^2$/NDF: 478188.8/35

In: -128.634+/-0.071 $\chi^2$/NDF:263043.3/18

Out: -119.720+/-0.066 $\chi^2$/NDF:541434.6/21

All: -123.877+/-0.048 $\chi^2$/NDF: 812899.3/40

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 209.191+/-3.016 $\chi^2$/NDF:33.3/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 244.918+/-3.553 $\chi^2$/NDF:5.5/1

Left: 224.153+/-2.300 $\chi^2$/NDF: 97.6/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 244.918+/-3.553 $\chi^2$/NDF:5.5/1

Out: 209.191+/-3.016 $\chi^2$/NDF:33.3/2

All: 224.153+/-2.300 $\chi^2$/NDF: 97.6/4

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected

Right In: 12.561+/-1.056 $\chi^2$/NDF: 347.7/16

Left Out: 9.670+/-2.476 $\chi^2$/NDF:7.9/2

Right Out: 9.519+/-1.051 $\chi^2$/NDF: 296.2/18

Left In: -10.045+/-3.338 $\chi^2$/NDF:1.5/1

Left: 2.675+/-1.989 $\chi^2$/NDF: 31.9/4

Right: 11.033+/-0.745 $\chi^2$/NDF: 648.2/35

In: 10.507+/-1.006 $\chi^2$/NDF:390.9/18

Out: 9.542+/-0.967 $\chi^2$/NDF:304.1/21

All: 10.005+/-0.697 $\chi^2$/NDF: 695.5/40

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected

Right In: -218.925+/-2.006 $\chi^2$/NDF: 1146.6/16

Left Out: -226.275+/-3.237 $\chi^2$/NDF:39.5/2

Right Out: -211.968+/-1.924 $\chi^2$/NDF: 1886.2/18

Left In: -265.785+/-3.812 $\chi^2$/NDF:3.7/1

Left: -242.827+/-2.467 $\chi^2$/NDF: 105.6/4

Right: -215.302+/-1.389 $\chi^2$/NDF: 3039.1/35

In: -229.086+/-1.775 $\chi^2$/NDF:1268.7/18

Out: -215.704+/-1.654 $\chi^2$/NDF:1940.1/21

All: -221.923+/-1.210 $\chi^2$/NDF: 3239.2/40

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected

Right In: -77.342+/-1.219 $\chi^2$/NDF: 817.2/16

Left Out: -97.076+/-2.951 $\chi^2$/NDF:3.5/2

Right Out: -72.836+/-1.209 $\chi^2$/NDF: 672.9/18

Left In: -71.559+/-3.872 $\chi^2$/NDF:0.4/1

Left: -87.703+/-2.347 $\chi^2$/NDF: 31.3/4

Right: -75.069+/-0.858 $\chi^2$/NDF: 1497.0/35

In: -76.820+/-1.163 $\chi^2$/NDF:819.7/18

Out: -76.318+/-1.118 $\chi^2$/NDF:734.1/21

All: -76.559+/-0.806 $\chi^2$/NDF: 1553.9/40

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug, Sign Corrected

Right In: 97.452+/-0.073 $\chi^2$/NDF: 94476.4/16

Left Out: 149.779+/-0.134 $\chi^2$/NDF:3239.7/2

Right Out: 87.315+/-0.068 $\chi^2$/NDF: 221837.7/18

Left In: 147.612+/-0.143 $\chi^2$/NDF:2559.6/1

Left: 148.768+/-0.098 $\chi^2$/NDF: 5920.9/4

Right: 92.024+/-0.050 $\chi^2$/NDF: 326563.7/35

In: 107.829+/-0.065 $\chi^2$/NDF:194010.6/18

Out: 100.161+/-0.061 $\chi^2$/NDF:397385.3/21

All: 103.726+/-0.044 $\chi^2$/NDF: 598786.4/40

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 191.404+/-2.654 $\chi^2$/NDF:25.2/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 227.726+/-3.139 $\chi^2$/NDF:20.5/1

Left: 206.542+/-2.027 $\chi^2$/NDF: 123.9/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 227.726+/-3.139 $\chi^2$/NDF:20.5/1

Out: 191.404+/-2.654 $\chi^2$/NDF:25.2/2

All: 206.542+/-2.027 $\chi^2$/NDF: 123.9/4

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected

Right In: 17.786+/-1.146 $\chi^2$/NDF: 395.1/16

Left Out: 10.972+/-2.155 $\chi^2$/NDF:10.0/2

Right Out: 12.294+/-1.086 $\chi^2$/NDF: 443.7/18

Left In: -6.475+/-2.902 $\chi^2$/NDF:5.4/1

Left: 4.771+/-1.730 $\chi^2$/NDF: 38.7/4

Right: 14.891+/-0.788 $\chi^2$/NDF: 850.9/35

In: 14.511+/-1.066 $\chi^2$/NDF:461.0/18

Out: 12.026+/-0.970 $\chi^2$/NDF:454.0/21

All: 13.151+/-0.717 $\chi^2$/NDF: 918.0/40

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected

Right In: -278.393+/-2.168 $\chi^2$/NDF: 910.5/16

Left Out: -223.611+/-2.847 $\chi^2$/NDF:28.6/2

Right Out: -254.703+/-2.020 $\chi^2$/NDF: 2038.5/18

Left In: -263.751+/-3.366 $\chi^2$/NDF:17.1/1

Left: -240.348+/-2.174 $\chi^2$/NDF: 128.6/4

Right: -265.715+/-1.478 $\chi^2$/NDF: 3013.0/35

In: -274.101+/-1.822 $\chi^2$/NDF:941.0/18

Out: -244.289+/-1.647 $\chi^2$/NDF:2146.4/21

All: -257.695+/-1.222 $\chi^2$/NDF: 3234.7/40

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected

Right In: -95.135+/-1.322 $\chi^2$/NDF: 674.9/16

Left Out: -92.328+/-2.573 $\chi^2$/NDF:6.3/2

Right Out: -84.124+/-1.259 $\chi^2$/NDF: 782.9/18

Left In: -68.869+/-3.377 $\chi^2$/NDF:2.3/1

Left: -83.709+/-2.047 $\chi^2$/NDF: 39.1/4

Right: -89.357+/-0.912 $\chi^2$/NDF: 1494.2/35

In: -91.642+/-1.231 $\chi^2$/NDF:729.7/18

Out: -85.708+/-1.131 $\chi^2$/NDF:797.3/21

All: -88.422+/-0.833 $\chi^2$/NDF: 1539.6/40

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected

Right In: 115.724+/-0.078 $\chi^2$/NDF: 106388.1/16

Left Out: 137.431+/-0.118 $\chi^2$/NDF:869.9/2

Right Out: 99.049+/-0.069 $\chi^2$/NDF: 173463.3/18

Left In: 135.698+/-0.127 $\chi^2$/NDF:1078.3/1

Left: 136.628+/-0.087 $\chi^2$/NDF: 2047.7/4

Right: 106.312+/-0.051 $\chi^2$/NDF: 305658.4/35

In: 121.177+/-0.066 $\chi^2$/NDF:125380.1/18

Out: 108.698+/-0.059 $\chi^2$/NDF:253248.5/21

All: 114.224+/-0.044 $\chi^2$/NDF: 398257.8/40

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: 39.830+/-0.945 $\chi^2$/NDF:7.6/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: 32.654+/-1.063 $\chi^2$/NDF:10.9/1

Left: 36.663+/-0.706 $\chi^2$/NDF: 43.9/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: 32.654+/-1.063 $\chi^2$/NDF:10.9/1

Out: 39.830+/-0.945 $\chi^2$/NDF:7.6/2

All: 36.663+/-0.706 $\chi^2$/NDF: 43.9/4

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected

Right In: -4.730+/-0.580 $\chi^2$/NDF: 174.8/16

Left Out: -4.480+/-0.804 $\chi^2$/NDF:7.2/2

Right Out: -4.793+/-0.586 $\chi^2$/NDF: 193.5/18

Left In: -3.952+/-1.042 $\chi^2$/NDF:1.4/1

Left: -4.283+/-0.637 $\chi^2$/NDF: 8.8/4

Right: -4.761+/-0.412 $\chi^2$/NDF: 368.3/35

In: -4.546+/-0.507 $\chi^2$/NDF:176.7/18

Out: -4.684+/-0.473 $\chi^2$/NDF:200.7/21

All: -4.620+/-0.346 $\chi^2$/NDF: 377.5/40

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected

Right In: 69.048+/-1.077 $\chi^2$/NDF: 1847.9/16

Left Out: 24.497+/-1.015 $\chi^2$/NDF:8.0/2

Right Out: 75.878+/-1.069 $\chi^2$/NDF: 1895.0/18

Left In: 31.993+/-1.142 $\chi^2$/NDF:6.9/1

Left: 27.807+/-0.759 $\chi^2$/NDF: 38.9/4

Right: 72.486+/-0.759 $\chi^2$/NDF: 3763.1/35

In: 51.607+/-0.783 $\chi^2$/NDF:2412.3/18

Out: 48.851+/-0.736 $\chi^2$/NDF:3117.1/21

All: 50.144+/-0.536 $\chi^2$/NDF: 5535.9/40

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected

Right In: 11.565+/-0.658 $\chi^2$/NDF: 478.2/16

Left Out: -0.144+/-0.950 $\chi^2$/NDF:6.1/2

Right Out: 12.071+/-0.665 $\chi^2$/NDF: 543.3/18

Left In: -1.000+/-1.197 $\chi^2$/NDF:1.9/1

Left: -0.475+/-0.744 $\chi^2$/NDF: 8.3/4

Right: 11.816+/-0.468 $\chi^2$/NDF: 1021.8/35

In: 8.649+/-0.577 $\chi^2$/NDF:564.7/18

Out: 8.058+/-0.545 $\chi^2$/NDF:660.5/21

All: 8.337+/-0.396 $\chi^2$/NDF: 1225.7/40

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected

Right In: 1.855+/-0.037 $\chi^2$/NDF: 359414.1/16

Left Out: 12.604+/-0.041 $\chi^2$/NDF:447.4/2

Right Out: -0.644+/-0.037 $\chi^2$/NDF: 361625.7/18

Left In: 12.161+/-0.043 $\chi^2$/NDF:216.0/1

Left: 12.388+/-0.030 $\chi^2$/NDF: 718.8/4

Right: 0.608+/-0.026 $\chi^2$/NDF: 723318.4/35

In: 6.283+/-0.028 $\chi^2$/NDF:392961.9/18

Out: 5.235+/-0.028 $\chi^2$/NDF:418811.3/21

All: 5.753+/-0.020 $\chi^2$/NDF: 812483.3/40

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -242.428+/-3.278 $\chi^2$/NDF:62.8/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -290.560+/-3.856 $\chi^2$/NDF:27.4/1

Left: -262.622+/-2.498 $\chi^2$/NDF: 180.7/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -290.560+/-3.856 $\chi^2$/NDF:27.4/1

Out: -242.428+/-3.278 $\chi^2$/NDF:62.8/2

All: -262.622+/-2.498 $\chi^2$/NDF: 180.7/4

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected

Right In: 3.188+/-1.225 $\chi^2$/NDF: 255.6/16

Left Out: -7.069+/-2.686 $\chi^2$/NDF:11.7/2

Right Out: 4.497+/-1.160 $\chi^2$/NDF: 225.4/18

Left In: 5.282+/-3.598 $\chi^2$/NDF:1.0/1

Left: -2.648+/-2.152 $\chi^2$/NDF: 20.3/4

Right: 3.879+/-0.842 $\chi^2$/NDF: 481.7/35

In: 3.406+/-1.160 $\chi^2$/NDF:257.0/18

Out: 2.680+/-1.065 $\chi^2$/NDF:252.8/21

All: 3.012+/-0.784 $\chi^2$/NDF: 509.9/40

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected

Right In: 274.079+/-2.191 $\chi^2$/NDF: 5112.0/16

Left Out: 273.413+/-3.517 $\chi^2$/NDF:74.3/2

Right Out: 256.109+/-2.080 $\chi^2$/NDF: 6444.1/18

Left In: 326.285+/-4.136 $\chi^2$/NDF:20.5/1

Left: 295.601+/-2.680 $\chi^2$/NDF: 189.6/4

Right: 264.628+/-1.509 $\chi^2$/NDF: 11591.4/35

In: 285.517+/-1.936 $\chi^2$/NDF:5256.9/18

Out: 260.593+/-1.790 $\chi^2$/NDF:6536.3/21

All: 272.082+/-1.315 $\chi^2$/NDF: 11882.5/40

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected

Right In: 54.065+/-1.421 $\chi^2$/NDF: 634.4/16

Left Out: 90.709+/-3.205 $\chi^2$/NDF:5.6/2

Right Out: 45.637+/-1.359 $\chi^2$/NDF: 530.8/18

Left In: 72.770+/-4.180 $\chi^2$/NDF:4.6/1

Left: 84.068+/-2.543 $\chi^2$/NDF: 21.8/4

Right: 49.665+/-0.982 $\chi^2$/NDF: 1183.6/35

In: 56.002+/-1.345 $\chi^2$/NDF:657.0/18

Out: 52.508+/-1.251 $\chi^2$/NDF:704.0/21

All: 54.129+/-0.916 $\chi^2$/NDF: 1364.6/40

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected

Right In: -91.074+/-0.068 $\chi^2$/NDF: 534647.5/16

Left Out: -174.718+/-0.146 $\chi^2$/NDF:4880.4/2

Right Out: -85.803+/-0.065 $\chi^2$/NDF: 495895.1/18

Left In: -169.801+/-0.156 $\chi^2$/NDF:3472.0/1

Left: -172.420+/-0.107 $\chi^2$/NDF: 8882.5/4

Right: -88.339+/-0.047 $\chi^2$/NDF: 1033703.0/35

In: -103.520+/-0.062 $\chi^2$/NDF:752999.7/18

Out: -100.528+/-0.059 $\chi^2$/NDF:810282.1/21

All: -101.962+/-0.043 $\chi^2$/NDF: 1564496.7/40

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -17.143+/-0.888 $\chi^2$/NDF:43.9/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -15.763+/-0.992 $\chi^2$/NDF:32.0/1

Left: -16.529+/-0.662 $\chi^2$/NDF: 77.0/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -15.763+/-0.992 $\chi^2$/NDF:32.0/1

Out: -17.143+/-0.888 $\chi^2$/NDF:43.9/2

All: -16.529+/-0.662 $\chi^2$/NDF: 77.0/4

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected

Right In: 4.361+/-0.464 $\chi^2$/NDF: 286.5/16

Left Out: 1.901+/-0.769 $\chi^2$/NDF:1.4/2

Right Out: 4.670+/-0.474 $\chi^2$/NDF: 185.4/18

Left In: 2.844+/-0.999 $\chi^2$/NDF:10.5/1

Left: 2.252+/-0.609 $\chi^2$/NDF: 12.5/4

Right: 4.512+/-0.332 $\chi^2$/NDF: 472.1/35

In: 4.092+/-0.421 $\chi^2$/NDF:298.9/18

Out: 3.907+/-0.404 $\chi^2$/NDF:196.1/21

All: 3.995+/-0.291 $\chi^2$/NDF: 495.2/40

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected

Right In: -54.392+/-0.863 $\chi^2$/NDF: 1013.4/16

Left Out: 1.953+/-0.954 $\chi^2$/NDF:50.9/2

Right Out: -50.441+/-0.857 $\chi^2$/NDF: 1324.7/18

Left In: 0.576+/-1.066 $\chi^2$/NDF:34.2/1

Left: 1.340+/-0.711 $\chi^2$/NDF: 86.0/4

Right: -52.405+/-0.608 $\chi^2$/NDF: 2348.7/35

In: -32.634+/-0.670 $\chi^2$/NDF:2655.3/18

Out: -27.043+/-0.638 $\chi^2$/NDF:3043.2/21

All: -29.700+/-0.462 $\chi^2$/NDF: 5735.0/40

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected

Right In: -12.616+/-0.530 $\chi^2$/NDF: 788.2/16

Left Out: 4.046+/-0.905 $\chi^2$/NDF:2.9/2

Right Out: -12.912+/-0.538 $\chi^2$/NDF: 730.2/18

Left In: 3.539+/-1.142 $\chi^2$/NDF:7.9/1

Left: 3.850+/-0.709 $\chi^2$/NDF: 10.9/4

Right: -12.762+/-0.378 $\chi^2$/NDF: 1518.6/35

In: -9.751+/-0.481 $\chi^2$/NDF:960.7/18

Out: -8.480+/-0.463 $\chi^2$/NDF:992.6/21

All: -9.091+/-0.333 $\chi^2$/NDF: 1957.0/40

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected

Right In: 10.366+/-0.031 $\chi^2$/NDF: 381003.5/16

Left Out: -11.867+/-0.039 $\chi^2$/NDF:11477.5/2

Right Out: 7.719+/-0.031 $\chi^2$/NDF: 545085.7/18

Left In: -11.721+/-0.040 $\chi^2$/NDF:5501.9/1

Left: -11.796+/-0.028 $\chi^2$/NDF: 16986.4/4

Right: 9.073+/-0.022 $\chi^2$/NDF: 929756.2/35

In: 2.126+/-0.024 $\chi^2$/NDF:581682.0/18

Out: 0.015+/-0.024 $\chi^2$/NDF:711026.7/21

All: 1.078+/-0.017 $\chi^2$/NDF: 1296492.2/40

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -10.393+/-0.140 $\chi^2$/NDF:289.6/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -8.420+/-0.150 $\chi^2$/NDF:367.2/1

Left: -9.479+/-0.102 $\chi^2$/NDF: 749.2/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -8.420+/-0.150 $\chi^2$/NDF:367.2/1

Out: -10.393+/-0.140 $\chi^2$/NDF:289.6/2

All: -9.479+/-0.102 $\chi^2$/NDF: 749.2/4

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug, Sign Corrected

Right In: 1.495+/-0.061 $\chi^2$/NDF: 708.8/16

Left Out: -0.301+/-0.123 $\chi^2$/NDF:187.4/2

Right Out: 1.123+/-0.058 $\chi^2$/NDF: 946.5/18

Left In: -0.053+/-0.150 $\chi^2$/NDF:445.2/1

Left: -0.201+/-0.095 $\chi^2$/NDF: 634.2/4

Right: 1.300+/-0.042 $\chi^2$/NDF: 1674.8/35

In: 1.274+/-0.057 $\chi^2$/NDF:1245.6/18

Out: 0.863+/-0.053 $\chi^2$/NDF:1242.9/21

All: 1.054+/-0.039 $\chi^2$/NDF: 2516.9/40

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug, Sign Corrected

Right In: -2.200+/-0.111 $\chi^2$/NDF: 461.0/16

Left Out: 11.077+/-0.150 $\chi^2$/NDF:260.4/2

Right Out: -2.520+/-0.099 $\chi^2$/NDF: 903.3/18

Left In: 9.055+/-0.161 $\chi^2$/NDF:369.1/1

Left: 10.139+/-0.110 $\chi^2$/NDF: 713.6/4

Right: -2.378+/-0.074 $\chi^2$/NDF: 1368.9/35

In: 1.393+/-0.091 $\chi^2$/NDF:4137.2/18

Out: 1.596+/-0.083 $\chi^2$/NDF:6880.5/21

All: 1.505+/-0.061 $\chi^2$/NDF: 11020.4/40

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug, Sign Corrected

Right In: -1.753+/-0.070 $\chi^2$/NDF: 1345.0/16

Left Out: -0.087+/-0.145 $\chi^2$/NDF:199.3/2

Right Out: -1.617+/-0.066 $\chi^2$/NDF: 1487.5/18

Left In: -0.343+/-0.172 $\chi^2$/NDF:416.6/1

Left: -0.193+/-0.111 $\chi^2$/NDF: 617.3/4

Right: -1.681+/-0.048 $\chi^2$/NDF: 2834.6/35

In: -1.550+/-0.065 $\chi^2$/NDF:1819.5/18

Out: -1.355+/-0.060 $\chi^2$/NDF:1779.7/21

All: -1.445+/-0.044 $\chi^2$/NDF: 3604.1/40

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug, Sign Corrected

Right In: 0.203+/-0.004 $\chi^2$/NDF: 677.2/16

Left Out: 0.136+/-0.006 $\chi^2$/NDF:57.2/2

Right Out: 0.216+/-0.004 $\chi^2$/NDF: 1067.3/18

Left In: 0.099+/-0.006 $\chi^2$/NDF:12.8/1

Left: 0.118+/-0.004 $\chi^2$/NDF: 89.2/4

Right: 0.210+/-0.003 $\chi^2$/NDF: 1750.0/35

In: 0.170+/-0.003 $\chi^2$/NDF:893.9/18

Out: 0.195+/-0.003 $\chi^2$/NDF:1251.0/21

All: 0.183+/-0.002 $\chi^2$/NDF: 2173.5/40

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -10.363+/-0.139 $\chi^2$/NDF:290.7/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -8.391+/-0.150 $\chi^2$/NDF:366.5/1

Left: -9.450+/-0.102 $\chi^2$/NDF: 750.3/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -8.391+/-0.150 $\chi^2$/NDF:366.5/1

Out: -10.363+/-0.139 $\chi^2$/NDF:290.7/2

All: -9.450+/-0.102 $\chi^2$/NDF: 750.3/4

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug, Sign Corrected

Right In: 1.470+/-0.061 $\chi^2$/NDF: 707.9/16

Left Out: -0.344+/-0.123 $\chi^2$/NDF:189.7/2

Right Out: 1.092+/-0.058 $\chi^2$/NDF: 952.1/18

Left In: -0.121+/-0.149 $\chi^2$/NDF:457.7/1

Left: -0.254+/-0.095 $\chi^2$/NDF: 648.8/4

Right: 1.272+/-0.042 $\chi^2$/NDF: 1680.2/35

In: 1.243+/-0.056 $\chi^2$/NDF:1263.3/18

Out: 0.830+/-0.052 $\chi^2$/NDF:1253.8/21

All: 1.022+/-0.038 $\chi^2$/NDF: 2545.8/40

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug, Sign Corrected

Right In: -1.977+/-0.110 $\chi^2$/NDF: 463.8/16

Left Out: 11.046+/-0.149 $\chi^2$/NDF:261.5/2

Right Out: -2.294+/-0.098 $\chi^2$/NDF: 906.6/18

Left In: 9.026+/-0.161 $\chi^2$/NDF:368.2/1

Left: 10.110+/-0.109 $\chi^2$/NDF: 714.3/4

Right: -2.153+/-0.073 $\chi^2$/NDF: 1375.0/35

In: 1.533+/-0.091 $\chi^2$/NDF:4020.8/18

Out: 1.740+/-0.082 $\chi^2$/NDF:6723.3/21

All: 1.647+/-0.061 $\chi^2$/NDF: 10747.0/40

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug, Sign Corrected

Right In: -1.726+/-0.070 $\chi^2$/NDF: 1341.5/16

Left Out: -0.034+/-0.144 $\chi^2$/NDF:201.9/2

Right Out: -1.584+/-0.065 $\chi^2$/NDF: 1492.8/18

Left In: -0.258+/-0.171 $\chi^2$/NDF:427.6/1

Left: -0.127+/-0.110 $\chi^2$/NDF: 630.5/4

Right: -1.650+/-0.048 $\chi^2$/NDF: 2836.5/35

In: -1.515+/-0.065 $\chi^2$/NDF:1832.3/18

Out: -1.319+/-0.060 $\chi^2$/NDF:1790.8/21

All: -1.409+/-0.044 $\chi^2$/NDF: 3628.1/40

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug, Sign Corrected

Right In: 0.200+/-0.004 $\chi^2$/NDF: 662.5/16

Left Out: 0.135+/-0.006 $\chi^2$/NDF:55.0/2

Right Out: 0.213+/-0.004 $\chi^2$/NDF: 1050.9/18

Left In: 0.099+/-0.006 $\chi^2$/NDF:13.7/1

Left: 0.117+/-0.004 $\chi^2$/NDF: 86.7/4

Right: 0.207+/-0.003 $\chi^2$/NDF: 1719.2/35

In: 0.167+/-0.003 $\chi^2$/NDF:868.1/18

Out: 0.192+/-0.003 $\chi^2$/NDF:1227.6/21

All: 0.181+/-0.002 $\chi^2$/NDF: 2123.8/40

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -10.393+/-0.140 $\chi^2$/NDF:290.5/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -8.446+/-0.150 $\chi^2$/NDF:370.6/1

Left: -9.491+/-0.102 $\chi^2$/NDF: 751.1/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -8.446+/-0.150 $\chi^2$/NDF:370.6/1

Out: -10.393+/-0.140 $\chi^2$/NDF:290.5/2

All: -9.491+/-0.102 $\chi^2$/NDF: 751.1/4

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug, Sign Corrected

Right In: 1.413+/-0.061 $\chi^2$/NDF: 713.9/16

Left Out: -0.405+/-0.123 $\chi^2$/NDF:191.8/2

Right Out: 1.052+/-0.058 $\chi^2$/NDF: 963.3/18

Left In: -0.157+/-0.150 $\chi^2$/NDF:456.4/1

Left: -0.305+/-0.095 $\chi^2$/NDF: 649.9/4

Right: 1.223+/-0.042 $\chi^2$/NDF: 1695.5/35

In: 1.189+/-0.057 $\chi^2$/NDF:1264.6/18

Out: 0.787+/-0.053 $\chi^2$/NDF:1269.5/21

All: 0.973+/-0.038 $\chi^2$/NDF: 2561.1/40

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug, Sign Corrected

Right In: -2.006+/-0.111 $\chi^2$/NDF: 463.3/16

Left Out: 11.044+/-0.150 $\chi^2$/NDF:260.9/2

Right Out: -2.336+/-0.099 $\chi^2$/NDF: 901.2/18

Left In: 9.046+/-0.161 $\chi^2$/NDF:371.8/1

Left: 10.117+/-0.110 $\chi^2$/NDF: 714.7/4

Right: -2.190+/-0.074 $\chi^2$/NDF: 1369.4/35

In: 1.524+/-0.091 $\chi^2$/NDF:4023.4/18

Out: 1.711+/-0.083 $\chi^2$/NDF:6697.3/21

All: 1.627+/-0.061 $\chi^2$/NDF: 10723.1/40

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug, Sign Corrected

Right In: -1.682+/-0.070 $\chi^2$/NDF: 1347.8/16

Left Out: 0.017+/-0.145 $\chi^2$/NDF:204.3/2

Right Out: -1.563+/-0.066 $\chi^2$/NDF: 1504.7/18

Left In: -0.239+/-0.172 $\chi^2$/NDF:426.7/1

Left: -0.089+/-0.111 $\chi^2$/NDF: 632.3/4

Right: -1.619+/-0.048 $\chi^2$/NDF: 2854.1/35

In: -1.475+/-0.065 $\chi^2$/NDF:1835.2/18

Out: -1.293+/-0.060 $\chi^2$/NDF:1808.1/21

All: -1.376+/-0.044 $\chi^2$/NDF: 3647.5/40

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug, Sign Corrected

Right In: 0.201+/-0.004 $\chi^2$/NDF: 691.3/16

Left Out: 0.135+/-0.006 $\chi^2$/NDF:55.8/2

Right Out: 0.214+/-0.004 $\chi^2$/NDF: 1083.1/18

Left In: 0.099+/-0.006 $\chi^2$/NDF:12.8/1

Left: 0.117+/-0.004 $\chi^2$/NDF: 86.3/4

Right: 0.208+/-0.003 $\chi^2$/NDF: 1779.7/35

In: 0.168+/-0.003 $\chi^2$/NDF:900.4/18

Out: 0.193+/-0.003 $\chi^2$/NDF:1263.3/21

All: 0.181+/-0.002 $\chi^2$/NDF: 2190.8/40

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -10.550+/-0.141 $\chi^2$/NDF:293.1/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -8.627+/-0.152 $\chi^2$/NDF:364.3/1

Left: -9.661+/-0.103 $\chi^2$/NDF: 743.5/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -8.627+/-0.152 $\chi^2$/NDF:364.3/1

Out: -10.550+/-0.141 $\chi^2$/NDF:293.1/2

All: -9.661+/-0.103 $\chi^2$/NDF: 743.5/4

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug, Sign Corrected

Right In: 1.429+/-0.062 $\chi^2$/NDF: 711.4/16

Left Out: -0.346+/-0.124 $\chi^2$/NDF:182.4/2

Right Out: 1.104+/-0.059 $\chi^2$/NDF: 936.5/18

Left In: 0.012+/-0.151 $\chi^2$/NDF:418.2/1

Left: -0.202+/-0.096 $\chi^2$/NDF: 603.9/4

Right: 1.259+/-0.043 $\chi^2$/NDF: 1662.3/35

In: 1.225+/-0.058 $\chi^2$/NDF:1204.5/18

Out: 0.835+/-0.054 $\chi^2$/NDF:1229.5/21

All: 1.016+/-0.039 $\chi^2$/NDF: 2458.6/40

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug, Sign Corrected

Right In: -2.094+/-0.113 $\chi^2$/NDF: 486.5/16

Left Out: 11.205+/-0.152 $\chi^2$/NDF:263.6/2

Right Out: -2.278+/-0.101 $\chi^2$/NDF: 918.6/18

Left In: 9.239+/-0.163 $\chi^2$/NDF:366.4/1

Left: 10.295+/-0.111 $\chi^2$/NDF: 707.8/4

Right: -2.196+/-0.075 $\chi^2$/NDF: 1406.6/35

In: 1.557+/-0.093 $\chi^2$/NDF:4117.4/18

Out: 1.868+/-0.084 $\chi^2$/NDF:6660.5/21

All: 1.728+/-0.062 $\chi^2$/NDF: 10784.1/40

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug, Sign Corrected

Right In: -1.696+/-0.072 $\chi^2$/NDF: 1333.3/16

Left Out: -0.057+/-0.146 $\chi^2$/NDF:195.7/2

Right Out: -1.624+/-0.067 $\chi^2$/NDF: 1467.3/18

Left In: -0.455+/-0.174 $\chi^2$/NDF:396.0/1

Left: -0.222+/-0.112 $\chi^2$/NDF: 594.8/4

Right: -1.658+/-0.049 $\chi^2$/NDF: 2801.2/35

In: -1.516+/-0.066 $\chi^2$/NDF:1773.1/18

Out: -1.352+/-0.061 $\chi^2$/NDF:1758.3/21

All: -1.427+/-0.045 $\chi^2$/NDF: 3534.6/40

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug, Sign Corrected

Right In: 0.207+/-0.004 $\chi^2$/NDF: 656.3/16

Left Out: 0.140+/-0.006 $\chi^2$/NDF:54.9/2

Right Out: 0.211+/-0.004 $\chi^2$/NDF: 1145.7/18

Left In: 0.100+/-0.006 $\chi^2$/NDF:21.1/1

Left: 0.120+/-0.004 $\chi^2$/NDF: 97.4/4

Right: 0.209+/-0.003 $\chi^2$/NDF: 1802.5/35

In: 0.173+/-0.003 $\chi^2$/NDF:887.6/18

Out: 0.192+/-0.003 $\chi^2$/NDF:1299.5/21

All: 0.183+/-0.002 $\chi^2$/NDF: 2203.7/40

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug, Sign Corrected

Right In: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left Out: -10.833+/-0.144 $\chi^2$/NDF:271.9/2

Right Out: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

Left In: -8.790+/-0.155 $\chi^2$/NDF:349.6/1

Left: -9.887+/-0.106 $\chi^2$/NDF: 714.3/4

Right: 0.000+/-0.000 $\chi^2$/NDF: 0.0/0

In: -8.790+/-0.155 $\chi^2$/NDF:349.6/1

Out: -10.833+/-0.144 $\chi^2$/NDF:271.9/2

All: -9.887+/-0.106 $\chi^2$/NDF: 714.3/4

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug, Sign Corrected

Right In: 1.513+/-0.063 $\chi^2$/NDF: 669.7/16

Left Out: -0.279+/-0.127 $\chi^2$/NDF:178.9/2

Right Out: 1.160+/-0.060 $\chi^2$/NDF: 917.0/18

Left In: 0.029+/-0.154 $\chi^2$/NDF:421.4/1

Left: -0.155+/-0.098 $\chi^2$/NDF: 602.7/4

Right: 1.329+/-0.043 $\chi^2$/NDF: 1603.3/35

In: 1.303+/-0.058 $\chi^2$/NDF:1170.4/18

Out: 0.897+/-0.054 $\chi^2$/NDF:1200.9/21

All: 1.086+/-0.040 $\chi^2$/NDF: 2397.4/40

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug, Sign Corrected

Right In: -2.350+/-0.114 $\chi^2$/NDF: 439.7/16

Left Out: 11.555+/-0.155 $\chi^2$/NDF:244.7/2

Right Out: -2.624+/-0.103 $\chi^2$/NDF: 840.4/18

Left In: 9.457+/-0.167 $\chi^2$/NDF:352.0/1

Left: 10.581+/-0.114 $\chi^2$/NDF: 681.5/4

Right: -2.501+/-0.077 $\chi^2$/NDF: 1283.3/35

In: 1.425+/-0.094 $\chi^2$/NDF:4202.7/18

Out: 1.725+/-0.086 $\chi^2$/NDF:6870.9/21

All: 1.588+/-0.064 $\chi^2$/NDF: 11079.1/40

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug, Sign Corrected

Right In: -1.779+/-0.072 $\chi^2$/NDF: 1272.1/16

Left Out: -0.120+/-0.149 $\chi^2$/NDF:191.0/2

Right Out: -1.679+/-0.068 $\chi^2$/NDF: 1429.6/18

Left In: -0.452+/-0.177 $\chi^2$/NDF:395.1/1

Left: -0.257+/-0.114 $\chi^2$/NDF: 588.2/4

Right: -1.726+/-0.050 $\chi^2$/NDF: 2702.6/35

In: -1.589+/-0.067 $\chi^2$/NDF:1715.4/18

Out: -1.410+/-0.062 $\chi^2$/NDF:1711.1/21

All: -1.493+/-0.045 $\chi^2$/NDF: 3430.4/40

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug, Sign Corrected

Right In: 0.206+/-0.004 $\chi^2$/NDF: 651.8/16

Left Out: 0.142+/-0.006 $\chi^2$/NDF:66.3/2

Right Out: 0.223+/-0.004 $\chi^2$/NDF: 1042.2/18

Left In: 0.103+/-0.006 $\chi^2$/NDF:19.6/1

Left: 0.122+/-0.004 $\chi^2$/NDF: 105.0/4

Right: 0.215+/-0.003 $\chi^2$/NDF: 1702.9/35

In: 0.173+/-0.004 $\chi^2$/NDF:857.8/18

Out: 0.201+/-0.003 $\chi^2$/NDF:1230.8/21

All: 0.188+/-0.002 $\chi^2$/NDF: 2122.2/40