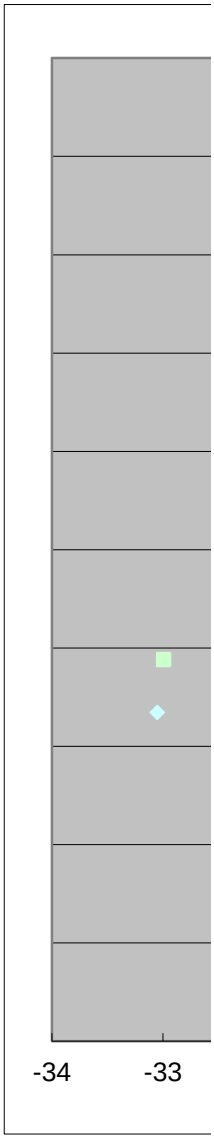
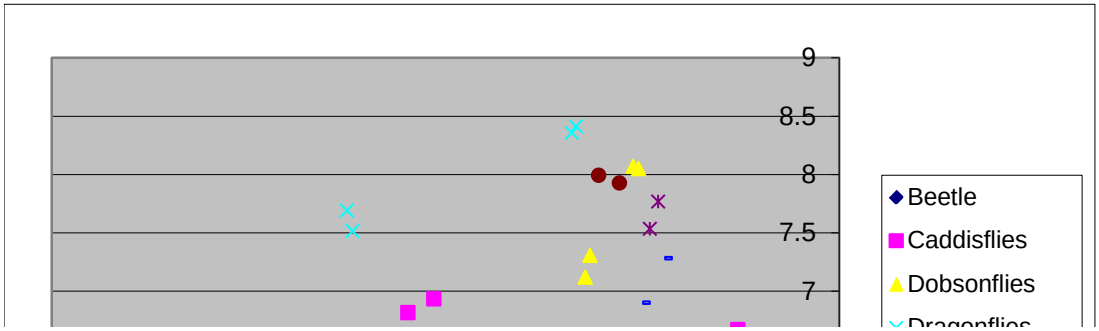
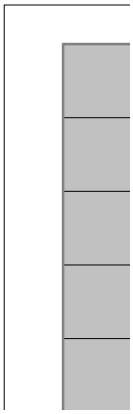
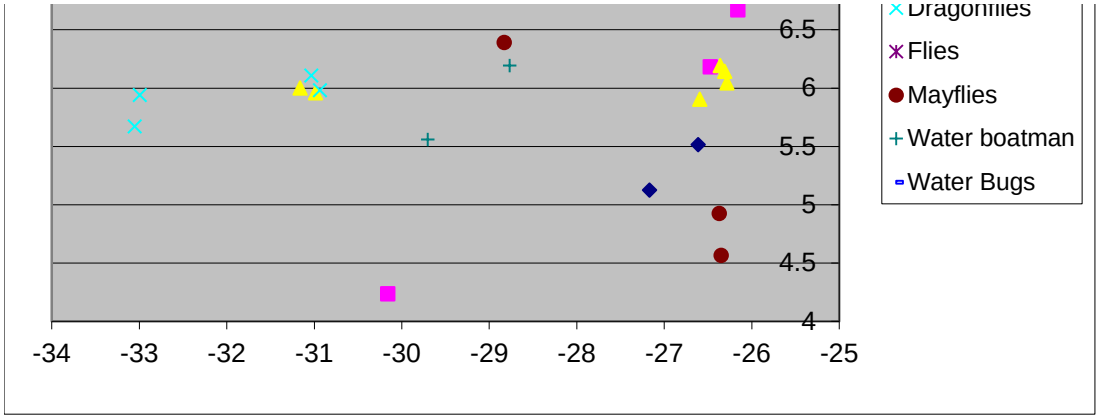
| sampID 1 | sampID 2 | | calib d15N ATM | calib d13C PDB |
|---|---|---|---|---|
| 6 CN | Coleoptera | Beetle | 5.123527148 | -27.16766276 |
| 6 CN | Coleoptera | Beetle | 5.514817336 | -26.61073222 |
| 9 CN | Hydropsychidan1 | Caddisflies | 3.896986821 | -31.15171618 |
| 9 CN | Hydropsychidan1 | Caddisflies | 4.235007145 | -30.15879244 |
| 14 CN | Hydropsychidan2 | Caddisflies | 6.668896296 | -26.15605273 |
| 14 CN | Hydropsychidan2 | Caddisflies | 6.181328394 | -26.47327151 |
| 15 CN | Hydropsychidan3 | Caddisflies | 6.932531455 | -29.63174357 |
| 15 CN | Hydropsychidan3 | Caddisflies | 6.815408804 | -29.92718806 |
| 2 CN | Corydalus1 | Dobsonflies | 6.142791369 | -26.3084537 |
| 2 CN | Corydalus1 | Dobsonflies | 5.904304602 | -26.59329142 |
| 8 CN | Corydalus2 | Dobsonflies | 8.049398043 | -27.29089846 |
| 8 CN | Corydalus2 | Dobsonflies | 8.068921187 | -27.35492243 |
| 7 CN | Corydalus3 | Dobsonflies | 6.045255282 | -26.28353991 |
| 7 CN | Corydalus3 | Dobsonflies | 6.191298106 | -26.35887828 |
| 21 CN | Corydalus4 | Dobsonflies | 6.000508776 | -31.16027534 |
| 21 CN | Corydalus4 | Dobsonflies | 5.95993041 | -30.98616684 |
| 3 CN | Helgrimite | Dobsonflies | 7.120220759 | -27.90206446 |
| 3 CN | Helgrimite | Dobsonflies | 7.307779887 | -27.84779658 |
| 18 CN | Libellulidae | Dragonflies | 5.67147397 | -33.05291641 |
| 18 CN | Libellulidae | Dragonflies | 5.940834036 | -32.99375046 |
| 1 CN | Odonate 1 | Dragonflies | 8.357912161 | -28.05758776 |
| 1 CN | Odonate 1 | Dragonflies | 8.412895777 | -28.00941577 |
| 20 CN | Odonate 2 | Dragonflies | 7.690017691 | -30.62751854 |
| 20 CN | Odonate 2 | Dragonflies | 7.516168585 | -30.55967606 |
| 16 CN | Zygopteran | Dragonflies | 6.106811144 | -31.03183665 |
| 16 CN | Zygopteran | Dragonflies | 5.980808833 | -30.93307986 |
| 11 CN | Dipterans | Flies | 7.766281703 | -27.0666038 |
| 11 CN | Dipterans | Flies | 7.53353081 | -27.16382136 |
| 12 CN | Ephmeopterian1 | Mayflies | 4.563751318 | -26.34808459 |
| 12 CN | Ephmeopterian1 | Mayflies | 4.924512961 | -26.36949267 |
| 13 CN | Ephmeopterian2 | Mayflies | 6.389611819 | -28.827531 |
| 4 CN | Ephmeopterian3 | Mayflies | 7.991715529 | -27.74967494 |
| 4 CN | Ephmeopterian3 | Mayflies | 7.925909617 | -27.51163783 |
| 10 CN | Notonecta | Waterboatman | 5.556888201 | -29.70340075 |
| 10 CN | Notonecta | Waterboatman | 6.191418746 | -28.76673426 |
| 17 CN | Belostomatidae | WaterBugs | 6.900896063 | -27.24040115 |
| 17 CN | Belostomatidae | WaterBugs | 7.28142499 | -26.98723114 |

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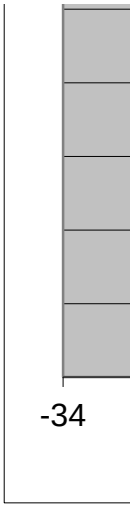
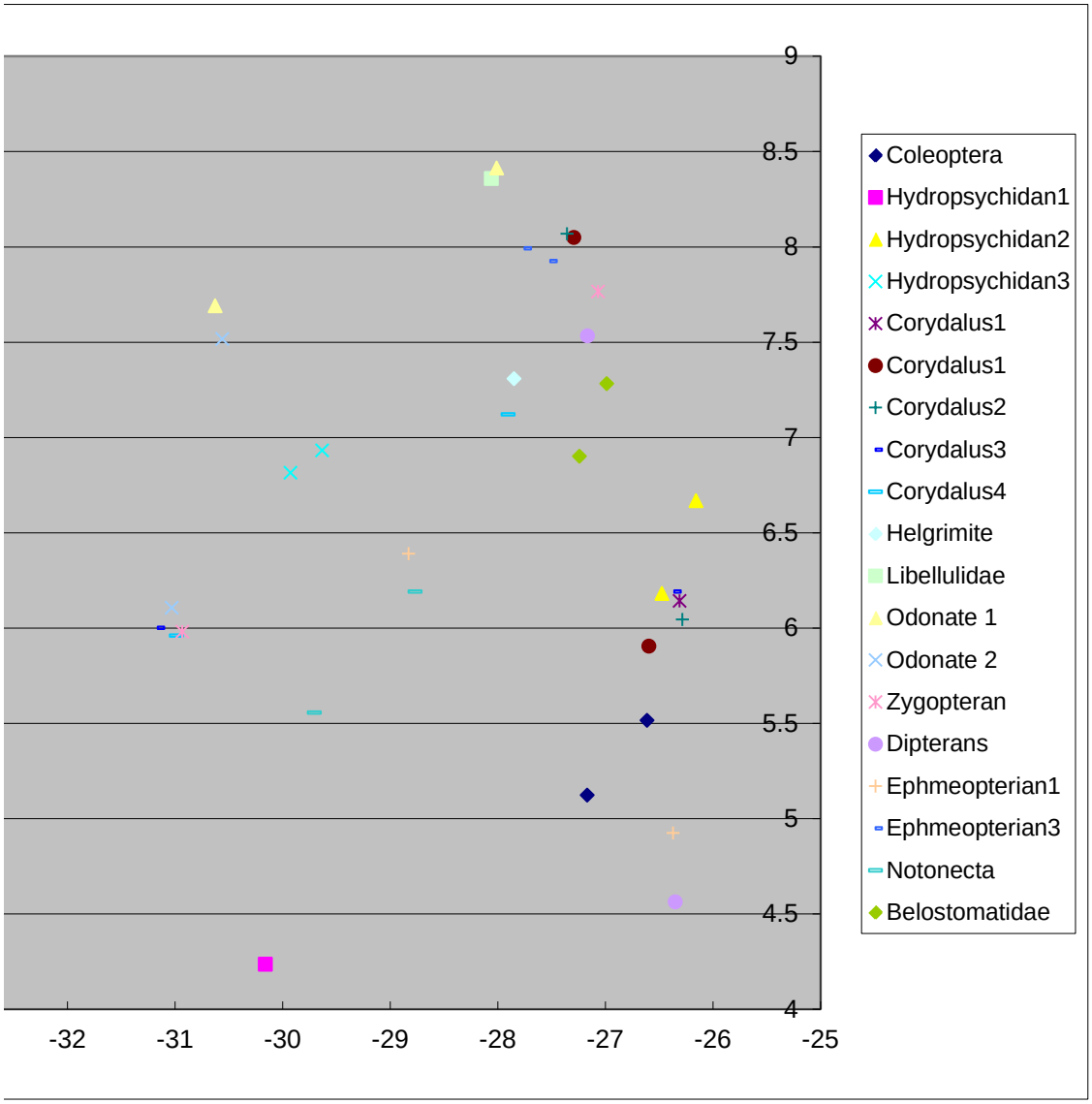
Dragonflies
Flies
Mayflies
Water boatman
Water Bugs


-34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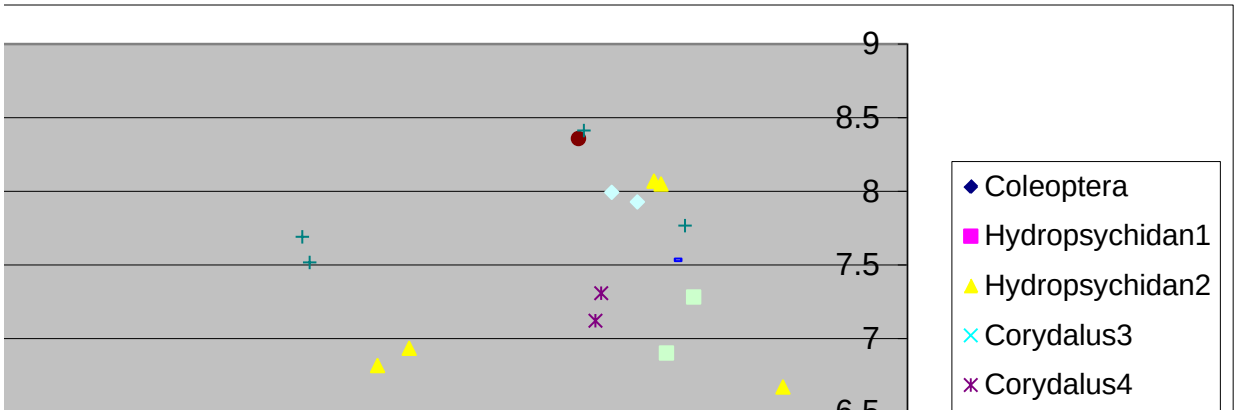
Coleoptera
Hydropsychidan1
Hydropsychidan2
Hydropsychidan3
Corydalus1
Corydalus1
Corydalus2
Corydalus3
Corydalus4
Helgrimite
Libellulidae
Odonate 1
Odonate 2
Zygopteran
Dipterans
Ephmeopterian1
Ephmeopterian3
Notonecta
Belostomatidae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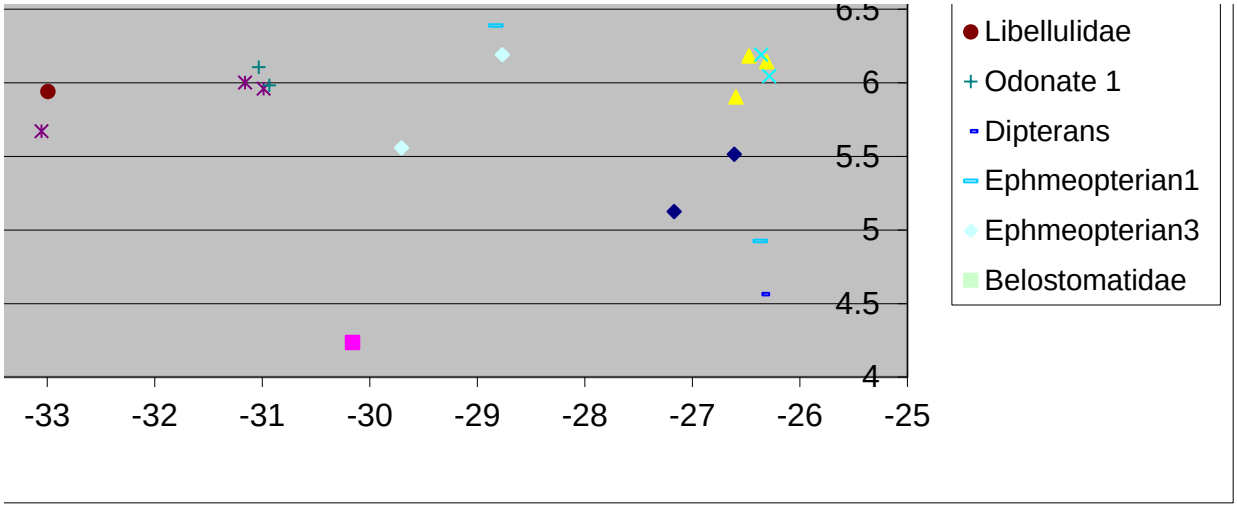
Coleoptera
Hydropsychidan1
Hydropsychidan2
Corydalus3
Corydalus4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Libellulidae
Odonate 1
Dipterans
Ephmeopterian1
Ephmeopterian3
Belostomatidae

| sampID 1 | sampID 2 | raw d15N | Voltage | timing | calib d15N ATM | sampID 1 | sampID 2 |
|---|---|---|---|---|---|---|---|
| ACET | | -2.04799 | 0.858399 | 135.67 | -1.66 | ACET | |
| ACET | | -2.05749 | 1.458921 | 135.49 | -1.67 | ACET | |
| ACET | | -2.08847 | 2.035384 | 135.75 | -1.70 | ACET | |
| ACET | | -2.11455 | 0.950948 | 136.46 | -1.72 | ACET | |
| ACET | | -2.08621 | 1.301458 | 136.38 | -1.69 | ACET | |
| ACET | | -2.16176 | 0.825293 | 138.44 | -1.77 | ACET | |
| ACET | | -2.17996 | 1.629415 | 137.52 | -1.79 | ACET | |
| ACET | | -1.95232 | 1.098153 | 140.49 | -1.56 | ACET | |
| ACET | | -2.05156 | 1.900292 | 141.13 | -1.66 | ACET | |
| ACET | | -2.07241 | 1.179483 | 143.04 | -1.68 | ACET | |
| ACET | | -2.16084 | 2.107898 | 145.86 | -1.77 | ACET | |
| ACET | | -2.24224 | 0.931772 | 145.68 | -1.85 | ACET | |
| | | | | | | | |
| 1 CN | Odonate 1 | 7.966596 | 2.881289 | 137.33 | 8.36 | 1 CN | Odonate 1 |
| 1 CN | Odonate 1 | 8.02158 | 2.068956 | 138.14 | 8.41 | 1 CN | Odonate 1 |
| 10 CN | Notonectori | 5.165572 | 2.267898 | 140.29 | 5.56 | 10 CN | Notonecto |
| 10 CN | Notonectori | 5.800103 | 2.358623 | 140.3 | 6.19 | 10 CN | Notonecto |
| 11 CN | Dipterans | 7.374966 | 1.37649 | 140.55 | 7.77 | 11 CN | Dipterans |
| 11 CN | Dipterans | 7.142215 | 1.932342 | 140.23 | 7.53 | 11 CN | Dipterans |
| 12 CN | Ephmeopter | 4.172435 | 1.6002 | 141.53 | 4.56 | 12 CN | Ephmeopte |
| 12 CN | Ephmeopter | 4.533197 | 1.63339 | 140.82 | 4.92 | 12 CN | Ephmeopte |
| 13 CN | Ephmeopter | 5.998296 | 1.156254 | 145.92 | 6.39 | 13 CN | Ephmeopte |
| 14 CN | Hydropsych | 6.27758 | 2.38629 | 145.72 | 6.67 | 14 CN | Hydropsyc |
| 14 CN | Hydropsych | 5.790012 | 2.503412 | 145.03 | 6.18 | 14 CN | Hydropsyc |
| 15 CN | Hydropsych | 6.541215 | 1.086799 | 146.47 | 6.93 | 15 CN | Hydropsyc |
| 15 CN | Hydropsych | 6.424093 | 1.319639 | 146.06 | 6.82 | 15 CN | Hydropsyc |
| 16 CN | Zygopteran | 5.715495 | 2.03149 | 144.94 | 6.11 | 16 CN | Zygopteran |
| 16 CN | Zygopteran | 5.589493 | 2.055133 | 144.69 | 5.98 | 16 CN | Zygopteran |
| 2 CN | Corydalus1 | 5.751475 | 2.235066 | 137.83 | 6.14 | 2 CN | Corydalus1 |
| 2 CN | Corydalus1 | 5.512989 | 2.208305 | 138.02 | 5.90 | 2 CN | Corydalus1 |
| 3 CN | Helgrimite | 6.728905 | 2.157897 | 138.28 | 7.12 | 3 CN | Helgrimite |
| 3 CN | Helgrimite | 6.916464 | 2.353375 | 138.09 | 7.31 | 3 CN | Helgrimite |
| 4 CN | Ephmeopter | 7.600399 | 1.89252 | 138.42 | 7.99 | 4 CN | Ephmeopte |
| 4 CN | Ephmeopter | 7.534594 | 2.1371 | 138.69 | 7.93 | 4 CN | Ephmeopte |
| 6 CN | Coleoptera | 4.732211 | 2.006685 | 138.47 | 5.12 | 6 CN | Coleoptera |
| 6 CN | Coleoptera | 5.123501 | 2.348639 | 139.23 | 5.51 | 6 CN | Coleoptera |
| 7 CN | Corydalus3 | 5.653939 | 2.892031 | 138.47 | 6.05 | 7 CN | Corydalus3 |
| 7 CN | Corydalus3 | 5.799982 | 2.655715 | 139.05 | 6.19 | 7 CN | Corydalus3 |
| 8 CN | Corydalus2 | 7.658082 | 1.995302 | 140.12 | 8.05 | 8 CN | Corydalus2 |
| 8 CN | Corydalus2 | 7.677605 | 1.95256 | 139.61 | 8.07 | 8 CN | Corydalus2 |
| 9 CN | Hydropsych | 3.505671 | 0.159093 | 143.76 | **3.90 ± 0.45** | 9 CN | Hydropsyc |
| 9 CN | Hydropsych | 3.843691 | 0.35587 | 143.04 | **4.24 ± 0.3** | 9 CN | Hydropsyc |
| | | | | | | | |
| ACET | | -2.03249 | 1.437943 | 128.06 | -1.69 | ACET | |
| ACET | | -1.97891 | 0.747326 | 129.1 | -1.63 | ACET | |
| ACET | | -1.97776 | 1.807491 | 128.54 | -1.63 | ACET | |
| ACET | | -2.19975 | 1.749542 | 128.17 | -1.85 | ACET | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| ACET | | -2.09127 | 1.221612 | 128.81 | -1.75 | ACET | |
| 17 CN | Belostomati | 6.55486 | 2.209364 | 128.09 | 6.90 | 17 CN | Belostoma |
| 17 CN | Belostomati | 6.935389 | 2.232528 | 128.4 | 7.28 | 17 CN | Belostoma |
| 18 CN | Libelluididae | 5.325438 | 2.309583 | 128.74 | 5.67 | 18 CN | Libelluidida |
| 18 CN | Libelluididae | 5.594798 | 2.002287 | 128.53 | 5.94 | 18 CN | Libelluidida |
| 20 CN | Odonate 2 | 7.343981 | 2.488932 | 128.01 | 7.69 | 20 CN | Odonate 2 |
| 20 CN | Odonate 2 | 7.170132 | 1.779866 | 128.83 | 7.52 | 20 CN | Odonate 2 |
| 21 CN | Corydalus4 | 5.654472 | 3.071649 | 127.94 | 6.00 | 21 CN | Corydalus4 |
| 21 CN | Corydalus4 | 5.613894 | 2.405324 | 127.52 | 5.96 | 21 CN | Corydalus4 |

| raw d13C | Voltage | timing | calib d13C PDB | |
|---|---|---|---|---|
| -28.9031 | 2.67539 | 56.67 | -29.39 | NITROGEN |
| -28.9849 | 4.446993 | 56.13 | -29.47 | avg acet |
| -29.0104 | 6.114141 | 57.15 | -29.50 | -2.10132 |
| -29.0164 | 2.945369 | 57.39 | -29.50 | stdev |
| -29.0584 | 3.973897 | 58.97 | -29.55 | 0.076328 |
| -28.9551 | 2.513365 | 62.76 | -29.44 | |
| -29.013 | 4.853635 | 62.35 | -29.50 | |
| -28.9875 | 3.237466 | 67.94 | -29.48 | Actual value |
| -29.0032 | 5.352969 | 71.5 | -29.49 | -1.71 |
| -28.9865 | 3.317104 | 76.41 | -29.47 | offset |
| -29.0295 | 5.763424 | 82.13 | -29.52 | -0.39132 |
| -28.9592 | 2.655355 | 81.89 | -29.45 | |
| | | | | |
| -27.5698 | 4.760571 | 63.33 | -28.06 | |
| -27.5217 | 3.455925 | 63.87 | -28.01 | |
| -29.2157 | 3.964386 | 69.92 | -29.70 | |
| -28.279 | 4.017189 | 69.96 | -28.77 | |
| -26.5789 | 2.193306 | 70.46 | -27.07 | |
| -26.6761 | 3.130965 | 70.95 | -27.16 | |
| -25.8603 | 3.134287 | 71.75 | -26.35 | CARBON |
| -25.8818 | 3.22342 | 71.47 | -26.37 | avg acet |
| -28.3398 | 1.693014 | 84.14 | -28.83 | -28.9923 |
| -25.6683 | 3.580727 | 83.66 | -26.16 | stdev |
| -25.9855 | 3.935411 | 82.4 | -26.47 | 0.040168 |
| -29.144 | 2.050206 | 83.93 | -29.63 | |
| -29.4394 | 2.607433 | 82.88 | -29.93 | |
| -30.5441 | 3.163358 | 82.36 | -31.03 | Actual value |
| -30.4453 | 3.237442 | 82.9 | -30.93 | -29.48 |
| -25.8207 | 3.70527 | 63.82 | -26.31 | offset |
| -26.1056 | 3.771831 | 64.07 | -26.59 | 0.487739 |
| -27.4143 | 3.45025 | 64.33 | -27.90 | |
| -27.3601 | 3.732158 | 65.05 | -27.85 | |
| -27.2619 | 3.162367 | 65.82 | -27.75 | |
| -27.0239 | 3.532243 | 66.59 | -27.51 | |
| -26.6799 | 3.600556 | 66.59 | -27.17 | |
| -26.123 | 4.063013 | 67.66 | -26.61 | |
| -25.7958 | 4.732826 | 67.37 | -26.28 | |
| -25.8711 | 4.359701 | 67.74 | -26.36 | |
| -26.8032 | 3.19466 | 68.94 | -27.29 | |
| -26.8672 | 3.171951 | 68.44 | -27.35 | |
| -30.364 | 0.308946 | 71.95 | **-31.15 ± 0.25** | |
| -29.3711 | 0.766656 | 71.68 | **-30.16 ± 0.25** | |
| | | | | |
| -28.9951 | 4.761135 | 38.82 | -29.46 | NITROGEN |
| -29.0214 | 2.51282 | 39.57 | -29.48 | avg acet |
| -29.0447 | 5.922224 | 39.07 | -29.51 | -2.05604 |
| -29.0028 | 5.711488 | 39.29 | -29.47 | stdev |

| | | | | |
|---|---|---|---|---|
| -29.0221 | 4.065691 | 39.55 | -29.48 | 0.092904 |
| | | | | |
| -26.7776 | 4.107949 | 39.81 | -27.24 | |
| -26.5245 | 4.051912 | 40.34 | -26.99 | Actual value |
| -32.5902 | 4.443256 | 40.6 | -33.05 | -1.71 |
| -32.531 | 3.830411 | 40.85 | -32.99 | offset |
| -30.1648 | 4.980088 | 39.56 | -30.63 | -0.34604 |
| -30.0969 | 3.608732 | 40.33 | -30.56 | |
| -30.6975 | 5.23215 | 39.56 | -31.16 | |
| -30.5234 | 4.161196 | 39.04 | -30.99 | CARBON |
| | | | | avg acet |
| | | | | -29.0172 |
| | | | | stdev |
| | | | | 0.019326 |
| | | | | |
| | | | | Actual value |
| | | | | -29.48 |
| | | | | offset |
| | | | | 0.462764 |

| e Name #1 | Start | tR | Width | Ampl. | ITROGEN | | | | |
|---|---|---|---|---|---|---|---|---|---|
| e Name #1 | | | | | samp ID 1 | samp ID 2 | d15N | Voltage | timing |
| | [sec] | [sec] | [sec] | [V] | copy down | copy down | copy down | copy down | copy down |
| ACET | 37.6 | 57.2 | 22.9 | 4.311539 | | | | | |
| ACET | 135.67 | 168.15 | 90.50999 | 0.858399 | ACET | | -2.04799 | 0.858399 | 135.67 |
| ACET | 56.67 | 90.33 | 112.87 | 2.67539 | | | | | |
| ACET | 267.42 | 287.22 | 26.44998 | 3.899236 | | | | | |
| ACET | 37.52 | 57.12 | 22.9 | 4.290112 | | | | | |
| ACET | 135.49 | 168.93 | 90.62999 | 1.458921 | ACET | | -2.05749 | 1.458921 | 135.49 |
| ACET | 56.13 | 87.03 | 120.38 | 4.446993 | | | | | |
| ACET | 267.61 | 287.41 | 26.20001 | 3.892184 | | | | | |
| ACET | 37.57 | 57.17 | 22.9 | 4.303528 | | | | | |
| ACET | 135.75 | 169.69 | 90.28 | 2.035384 | ACET | | -2.08847 | 2.035384 | 135.75 |
| ACET | 57.15 | 84.26 | 124.14 | 6.114141 | | | | | |
| ACET | 267.65 | 287.2 | 26.20001 | 3.897178 | | | | | |
| ACET | 37.61 | 57.2 | 22.89 | 4.282245 | | | | | |
| ACET | 136.46 | 169.17 | 89.7 | 0.950948 | ACET | | -2.11455 | 0.950948 | 136.46 |
| ACET | 57.39 | 91.06 | 115.64 | 2.945369 | | | | | |
| ACET | 267.8 | 287.35 | 25.94 | 3.901132 | | | | | |
| ACET | 37.59 | 57.19 | 22.91 | 4.297473 | | | | | |
| ACET | 136.38 | 170.07 | 89.59999 | 1.301458 | ACET | | -2.08621 | 1.301458 | 136.38 |
| ACET | 58.97 | 89.85 | 118.61 | 3.973897 | | | | | |
| ACET | 268.44 | 288.49 | 26.70999 | 3.894976 | | | | | |
| TR1 S1 | 37.58 | 57.17 | 22.89 | 4.300128 | | | | | |
| TR1 S1 | 138.44 | 172.19 | 87.73 | 0.547293 | TR1 S1 | | 4.848982 | 0.547293 | 138.44 |
| TR1 S1 | 60 | 96.45 | 117.71 | 2.19186 | | | | | |
| TR1 S1 | 267.55 | 286.35 | 25.19 | 3.887287 | | | | | |
| TR1 S4 | 37.57 | 57.16 | 22.89 | 4.294898 | | | | | |
| TR1 S4 | 140.01 | 173.74 | 86.19 | 0.521955 | TR1 S4 | | 5.258021 | 0.521955 | 140.01 |
| TR1 S4 | 61.49 | 98.46 | 116.45 | 2.023139 | | | | | |
| TR1 S4 | 267.54 | 287.34 | 26.42999 | 3.885907 | | | | | |
| TR1 S5 | 37.58 | 57.16 | 22.88 | 4.290143 | | | | | |
| TR1 S5 | 139.52 | 173.76 | 86.62 | 0.676792 | TR1 S5 | | 5.279832 | 0.676792 | 139.52 |
| TR1 S5 | 61.55 | 96.48 | 123.96 | 3.01378 | | | | | |
| TR1 S5 | 267.51 | 287.55 | 26.69 | 3.886345 | | | | | |
| 85 | 37.51 | 57.35 | 23.14 | 4.288547 | | | | | |
| 85 | 139.93 | 173.91 | 86.13 | 0.64768 | 85 | | 7.407329 | 0.64768 | 139.93 |
| 85 | 62.56 | 97.75 | 122.99 | 2.658559 | | | | | |
| 85 | 267.33 | 287.13 | 26.43002 | 3.8783 | | | | | |
| 57 | 37.63 | 57.22 | 22.9 | 4.291639 | | | | | |
| 57 | 139.3 | 174.77 | 86.72 | 1.220899 | 57 | | 6.512431 | 1.220899 | 139.3 |
| 57 | 62.66 | 95.32 | 136.82 | 4.53466 | | | | | |
| 57 | 267.66 | 287.21 | 26.44998 | 3.873198 | | | | | |
| 91 | 37.7 | 57.28 | 22.88 | 4.28445 | | | | | |
| 91 | 140.46 | 174.2 | 85.62999 | 0.556308 | 91 | | 7.79213 | 0.556308 | 140.46 |
| 91 | 63.6 | 99.8 | 122.54 | 2.299066 | | | | | |
| 91 | 267.72 | 287.27 | 26.17999 | 3.884517 | | | | | |
| 0 TURTLE | 37.57 | 57.16 | 22.89 | 4.284091 | | | | | |
| 0 TURTLE | 136.87 | 172 | 88.78 | 3.466874 | 10 TURTLI | | 9.109262 | 3.466874 | 136.87 |
| 0 TURTLE | 61.88 | 92.52 | 125.91 | 5.012077 | | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 0 | TURTLE | 267.42 | 287.22 | 26.43997 | 3.881915 | | | | |
| | ACET | 37.65 | 57.23 | 22.88 | 4.282906 | | | | |
| | ACET | 138.44 | 171.9 | 87.36 | 0.825293 | ACET | -2.16176 | 0.825293 | 138.44 |
| | ACET | 62.76 | 97.7 | 115.16 | 2.513365 | | | | |
| | ACET | 267.48 | 287.29 | 26.44998 | 3.86962 | | | | |
| | ACET | 37.5 | 57.34 | 23.14 | 4.284327 | | | | |
| | ACET | 137.52 | 172.21 | 88.48 | 1.629415 | ACET | -2.17996 | 1.629415 | 137.52 |
| | ACET | 62.35 | 92.48 | 123.64 | 4.853635 | | | | |
| | ACET | 267.69 | 287.24 | 25.92999 | 3.875313 | | | | |
| | 1 CN | 37.53 | 57.11 | 22.88 | 4.280486 | | | | |
| | 1 CN | 137.33 | 172.74 | 88.56999 | 2.881289 | 1 CN | 7.966596 | 2.881289 | 137.33 |
| | 1 CN | 63.33 | 93.96 | 125.7 | 4.760571 | | | | |
| | 1 CN | 267.64 | 287.19 | 26.19998 | 3.87372 | | | | |
| | 1 CN | 37.54 | 57.38 | 23.14 | 4.285248 | | | | |
| | 1 CN | 138.14 | 173.31 | 87.88 | 2.068956 | 1 CN | 8.02158 | 2.068956 | 138.14 |
| | 1 CN | 63.87 | 97.54 | 121.45 | 3.455925 | | | | |
| | 1 CN | 267.64 | 287.2 | 25.93997 | 3.878852 | | | | |
| | 2 CN | 37.58 | 57.42 | 23.15 | 4.283714 | | | | |
| | 2 CN | 137.83 | 172.74 | 88.12 | 2.235066 | 2 CN | 5.751475 | 2.235066 | 137.83 |
| | 2 CN | 63.82 | 96.98 | 121.41 | 3.70527 | | | | |
| | 2 CN | 267.78 | 287.33 | 25.94 | 3.878803 | | | | |
| | 2 CN | 37.65 | 57.23 | 22.88 | 4.28793 | | | | |
| | 2 CN | 138.02 | 172.93 | 87.84999 | 2.208305 | 2 CN | 5.512989 | 2.208305 | 138.02 |
| | 2 CN | 64.07 | 98 | 123.71 | 3.771831 | | | | |
| | 2 CN | 267.76 | 287.31 | 25.67999 | 3.880775 | | | | |
| | 3 CN | 37.65 | 57.24 | 22.89 | 4.289461 | | | | |
| | 3 CN | 138.28 | 173.69 | 87.60001 | 2.157897 | 3 CN | 6.728905 | 2.157897 | 138.28 |
| | 3 CN | 64.33 | 98.52 | 121.44 | 3.45025 | | | | |
| | 3 CN | 267.57 | 287.12 | 25.94 | 3.862652 | | | | |
| | 3 CN | 37.62 | 57.21 | 22.9 | 4.281146 | | | | |
| | 3 CN | 138.09 | 173.5 | 87.59 | 2.353375 | 3 CN | 6.916464 | 2.353375 | 138.09 |
| | 3 CN | 65.05 | 97.96 | 122.15 | 3.732158 | | | | |
| | 3 CN | 267.7 | 287.51 | 26.19 | 3.865244 | | | | |
| | 4 CN | 37.62 | 57.2 | 22.89 | 4.279302 | | | | |
| | 4 CN | 138.42 | 173.57 | 86.84 | 1.89252 | 4 CN | 7.600399 | 1.89252 | 138.42 |
| | 4 CN | 65.82 | 100 | 120.17 | 3.162367 | | | | |
| | 4 CN | 267.76 | 287.31 | 25.92999 | 3.859434 | | | | |
| | 4 CN | 37.63 | 57.2 | 22.87 | 4.278329 | | | | |
| | 4 CN | 138.69 | 174.1 | 86.58 | 2.1371 | 4 CN | 7.534594 | 2.1371 | 138.69 |
| | 4 CN | 66.59 | 100.01 | 122.95 | 3.532243 | | | | |
| | 4 CN | 267.73 | 287.28 | 25.94 | 3.847574 | | | | |
| | 6 CN | 37.6 | 57.42 | 22.86 | 4.284274 | | | | |
| | 6 CN | 138.47 | 173.63 | 86.84 | 2.006685 | 6 CN | 4.732211 | 2.006685 | 138.47 |
| | 6 CN | 66.59 | 100.76 | 123.42 | 3.600556 | | | | |
| | 6 CN | 267.66 | 287.21 | 25.94 | 3.855905 | | | | |
| | 6 CN | 37.61 | 57.44 | 23.13 | 4.280313 | | | | |
| | 6 CN | 139.23 | 174.63 | 86.04001 | 2.348639 | 6 CN | 5.123501 | 2.348639 | 139.23 |
| | 6 CN | 67.66 | 100.83 | 125.71 | 4.063013 | | | | |
| | 6 CN | 267.38 | 287.19 | 26.44998 | 3.850259 | | | | |
| | 7 CN | 37.62 | 57.19 | 22.88 | 4.283123 | | | | |
| | 7 CN | 138.47 | 174.37 | 86.75999 | 2.892031 | 7 CN | 5.653939 | 2.892031 | 138.47 |
| | 7 CN | 67.37 | 98.51 | 126.66 | 4.732826 | | | | |

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|---|---|---|---|---|---|---|---|---|
| 7 CN | 267.5 | 287.3 | 26.19 | 3.845247 | | | | |
| 7 CN | 37.69 | 57.26 | 22.88 | 4.276742 | | | | |
| 7 CN | 139.05 | 175.18 | 86.23999 | 2.655715 | 7 CN | 5.799982 | 2.655715 | 139.05 |
| 7 CN | 67.74 | 99.89 | 125.95 | 4.359701 | | | | |
| 7 CN | 267.42 | 287.23 | 26.44998 | 3.852996 | | | | |
| ACET | 37.64 | 57.22 | 22.88 | 4.276274 | | | | |
| ACET | 140.49 | 174.68 | 84.95999 | 1.098153 | ACET | -1.95232 | 1.098153 | 140.49 |
| ACET | 67.94 | 101.37 | 121.7 | 3.237466 | | | | |
| ACET | 267.81 | 287.36 | 25.94 | 3.848285 | | | | |
| 8 CN | 37.64 | 57.47 | 22.87 | 4.270187 | | | | |
| 8 CN | 140.12 | 176.04 | 85.31 | 1.995302 | 8 CN | 7.658082 | 1.995302 | 140.12 |
| 8 CN | 68.94 | 103.88 | 121.17 | 3.19466 | | | | |
| 8 CN | 267.74 | 287.29 | 25.94 | 3.837916 | | | | |
| 8 CN | 37.64 | 57.22 | 22.87 | 4.272045 | | | | |
| 8 CN | 139.61 | 175.77 | 85.8 | 1.95256 | 8 CN | 7.677605 | 1.95256 | 139.61 |
| 8 CN | 68.44 | 103.62 | 121.67 | 3.171951 | | | | |
| 8 CN | 267.74 | 287.29 | 25.94 | 3.84852 | | | | |
| 9 CN | 37.65 | 57.23 | 22.87 | 4.275491 | | | | |
| 9 CN | 143.76 | 177.11 | 82.46001 | 0.159093 | 9 CN | 3.505671 | 0.159093 | 143.76 |
| 9 CN | 71.95 | 109.36 | 96.18001 | 0.308946 | | | | |
| 9 CN | 267.46 | 287.51 | 25.92001 | 3.843798 | | | | |
| 9 CN | 37.65 | 57.23 | 22.88 | 4.271628 | | | | |
| 9 CN | 143.04 | 176.55 | 82.96001 | 0.35587 | 9 CN | 3.843691 | 0.35587 | 143.04 |
| 9 CN | 71.68 | 110.24 | 106.07 | 0.766656 | | | | |
| 9 CN | 267.57 | 287.13 | 25.67999 | 3.836716 | | | | |
| 10 CN | 37.69 | 57.26 | 22.87 | 4.275191 | | | | |
| 10 CN | 140.29 | 176.45 | 85.28001 | 2.267898 | 10 CN | 5.165572 | 2.267898 | 140.29 |
| 10 CN | 69.92 | 103.6 | 127.49 | 3.964386 | | | | |
| 10 CN | 267.53 | 287.58 | 26.17999 | 3.849886 | | | | |
| 10 CN | 37.67 | 57 | 22.63 | 4.285279 | | | | |
| 10 CN | 140.3 | 176.44 | 85.23999 | 2.358623 | 10 CN | 5.800103 | 2.358623 | 140.3 |
| 10 CN | 69.96 | 103.39 | 127.47 | 4.017189 | | | | |
| 10 CN | 267.56 | 287.61 | 26.17999 | 3.847553 | | | | |
| 11 CN | 37.42 | 57.25 | 23.12 | 4.287708 | | | | |
| 11 CN | 140.55 | 176.23 | 85.12 | 1.37649 | 11 CN | 7.374966 | 1.37649 | 140.55 |
| 11 CN | 70.46 | 106.93 | 119.01 | 2.193306 | | | | |
| 11 CN | 267.59 | 287.14 | 25.94 | 3.855704 | | | | |
| 11 CN | 37.47 | 57.06 | 22.88 | 4.283582 | | | | |
| 11 CN | 140.23 | 176.13 | 85.53 | 1.932342 | 11 CN | 7.142215 | 1.932342 | 140.23 |
| 11 CN | 70.95 | 105.37 | 122.67 | 3.130965 | | | | |
| 11 CN | 267.41 | 287.47 | 26.44998 | 3.852228 | | | | |
| 12 CN | 37.74 | 57.07 | 22.63 | 4.287343 | | | | |
| 12 CN | 141.53 | 177.45 | 84.32001 | 1.6002 | 12 CN | 4.172435 | 1.6002 | 141.53 |
| 12 CN | 71.75 | 107.19 | 124.22 | 3.134287 | | | | |
| 12 CN | 267.68 | 287.22 | 25.92001 | 3.84387 | | | | |
| 12 CN | 37.49 | 57.32 | 23.13 | 4.291803 | | | | |
| 12 CN | 140.82 | 176.74 | 85.07999 | 1.63339 | 12 CN | 4.533197 | 1.63339 | 140.82 |
| 12 CN | 71.47 | 107.16 | 125.48 | 3.22342 | | | | |
| 12 CN | 267.36 | 287.16 | 26.18002 | 3.849314 | | | | |
| ACET | 37.51 | 57.34 | 23.13 | 4.297966 | | | | |
| ACET | 141.13 | 177.8 | 84.78999 | 1.900292 | ACET | -2.05156 | 1.900292 | 141.13 |
| ACET | 71.5 | 101.39 | 130.69 | 5.352969 | | | | |

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|---|---|---|---|---|---|---|---|---|
| ACET | 267.36 | 287.42 | 26.18002 | 3.857927 | | | | |
| ACET | 37.48 | 57.31 | 23.13 | 4.295577 | | | | |
| ACET | 143.04 | 179.24 | 82.86 | 1.179483 | ACET | -2.07241 | 1.179483 | 143.04 |
| ACET | 76.41 | 111.86 | 127.5 | 3.317104 | | | | |
| ACET | 267.33 | 287.14 | 26.19 | 3.848315 | | | | |
| 13 CN | 37.69 | 57.26 | 22.87 | 4.290321 | | | | |
| 13 CN | 145.92 | 183.38 | 79.52 | 1.156254 | 13 CN | 5.998296 | 1.156254 | 145.92 |
| 13 CN | 84.14 | 123.15 | 122.32 | 1.693014 | | | | |
| 13 CN | 267.59 | 287.14 | 25.94 | 3.847889 | | | | |
| 14 CN | 37.63 | 57.21 | 22.87 | 4.297379 | | | | |
| 14 CN | 145.72 | 183.89 | 79.63 | 2.38629 | 14 CN | 6.27758 | 2.38629 | 145.72 |
| 14 CN | 83.66 | 119.1 | 131.02 | 3.580727 | | | | |
| 14 CN | 267.49 | 287.29 | 26.19 | 3.855938 | | | | |
| 14 CN | 37.53 | 57.36 | 23.14 | 4.297421 | | | | |
| 14 CN | 145.03 | 183.93 | 80.37 | 2.503412 | 14 CN | 5.790012 | 2.503412 | 145.03 |
| 14 CN | 82.4 | 117.09 | 133.54 | 3.935411 | | | | |
| 14 CN | 267.46 | 287.51 | 26.44 | 3.852872 | | | | |
| 15 CN | 37.64 | 56.97 | 22.63 | 4.298402 | | | | |
| 15 CN | 146.47 | 183.68 | 79.28 | 1.086799 | 15 CN | 6.541215 | 1.086799 | 146.47 |
| 15 CN | 83.93 | 122.15 | 124.3 | 2.050206 | | | | |
| 15 CN | 267.57 | 287.38 | 25.94 | 3.849375 | | | | |
| 15 CN | 37.53 | 57.1 | 22.88 | 4.294831 | | | | |
| 15 CN | 146.06 | 183.01 | 79.5 | 1.319639 | 15 CN | 6.424093 | 1.319639 | 146.06 |
| 15 CN | 82.88 | 120.36 | 127.55 | 2.607433 | | | | |
| 15 CN | 267.68 | 287.23 | 25.67001 | 3.85125 | | | | |
| 16 CN | 37.64 | 57.22 | 22.88 | 4.298666 | | | | |
| 16 CN | 144.94 | 183.36 | 80.66 | 2.03149 | 16 CN | 5.715495 | 2.03149 | 144.94 |
| 16 CN | 82.36 | 118.31 | 129.5 | 3.163358 | | | | |
| 16 CN | 267.52 | 287.32 | 26.18002 | 3.853002 | | | | |
| 16 CN | 37.68 | 57.25 | 22.87 | 4.297188 | | | | |
| 16 CN | 144.69 | 183.11 | 80.67 | 2.055133 | 16 CN | 5.589493 | 2.055133 | 144.69 |
| 16 CN | 82.9 | 119.09 | 130.77 | 3.237442 | | | | |
| 16 CN | 267.52 | 287.33 | 25.94 | 3.849484 | | | | |
| ACET | 37.56 | 57.39 | 23.14 | 4.294749 | | | | |
| ACET | 145.86 | 183.28 | 79.66 | 2.107898 | ACET | -2.16084 | 2.107898 | 145.86 |
| ACET | 82.13 | 111.76 | 136.48 | 5.763424 | | | | |
| ACET | 267.49 | 287.29 | 26.19 | 3.853357 | | | | |
| ACET | 37.62 | 57.44 | 22.87 | 4.299285 | | | | |
| ACET | 145.68 | 182.13 | 79.83 | 0.931772 | ACET | -2.24224 | 0.931772 | 145.68 |
| ACET | 81.89 | 119.11 | 127.82 | 2.655355 | | | | |
| ACET | 267.72 | 287.27 | 25.92999 | 3.853864 | | | | |

CARBON

| sampID 1 | sampID 2 | d13C | Voltage | timing |
|---|---|---|---|---|
| copy down | copy down | copy down | copy down | copy down |
| ACET | | -28.9031 | 2.67539 | 56.67 |
| ACET | | -28.9849 | 4.446993 | 56.13 |
| ACET | | -29.0104 | 6.114141 | 57.15 |
| ACET | | -29.0164 | 2.945369 | 57.39 |
| ACET | | -29.0584 | 3.973897 | 58.97 |
| TR1 S1 | | -20.1523 | 2.19186 | 60 |
| TR1 S4 | | -18.3185 | 2.023139 | 61.49 |
| TR1 S5 | | -21.1717 | 3.01378 | 61.55 |
| 85 | | -18.6466 | 2.658559 | 62.56 |
| 57 | | -20.3296 | 4.53466 | 62.66 |
| 91 | | -21.5448 | 2.299066 | 63.6 |
| 10 TURTLI | | -14.5044 | 5.012077 | 61.88 |

| | | | |
|---|---|---|---|
| ACET | -28.9551 | 2.513365 | 62.76 |
| ACET | -29.013 | 4.853635 | 62.35 |
| 1 CN | -27.5698 | 4.760571 | 63.33 |
| 1 CN | -27.5217 | 3.455925 | 63.87 |
| 2 CN | -25.8207 | 3.70527 | 63.82 |
| 2 CN | -26.1056 | 3.771831 | 64.07 |
| 3 CN | -27.4143 | 3.45025 | 64.33 |
| 3 CN | -27.3601 | 3.732158 | 65.05 |
| 4 CN | -27.2619 | 3.162367 | 65.82 |
| 4 CN | -27.0239 | 3.532243 | 66.59 |
| 6 CN | -26.6799 | 3.600556 | 66.59 |
| 6 CN | -26.123 | 4.063013 | 67.66 |
| 7 CN | -25.7958 | 4.732826 | 67.37 |

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|---|---|---|---|
| 7 CN | -25.8711 | 4.359701 | 67.74 |
| ACET | -28.9875 | 3.237466 | 67.94 |
| 8 CN | -26.8032 | 3.19466 | 68.94 |
| 8 CN | -26.8672 | 3.171951 | 68.44 |
| 9 CN | -30.364 | 0.308946 | 71.95 |
| 9 CN | -29.3711 | 0.766656 | 71.68 |
| 10 CN | -29.2157 | 3.964386 | 69.92 |
| 10 CN | -28.279 | 4.017189 | 69.96 |
| 11 CN | -26.5789 | 2.193306 | 70.46 |
| 11 CN | -26.6761 | 3.130965 | 70.95 |
| 12 CN | -25.8603 | 3.134287 | 71.75 |
| 12 CN | -25.8818 | 3.22342 | 71.47 |
| ACET | -29.0032 | 5.352969 | 71.5 |

| | | | |
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| ACET | -28.9865 | 3.317104 | 76.41 |
| 13 CN | -28.3398 | 1.693014 | 84.14 |
| 14 CN | -25.6683 | 3.580727 | 83.66 |
| 14 CN | -25.9855 | 3.935411 | 82.4 |
| 15 CN | -29.144 | 2.050206 | 83.93 |
| 15 CN | -29.4394 | 2.607433 | 82.88 |
| 16 CN | -30.5441 | 3.163358 | 82.36 |
| 16 CN | -30.4453 | 3.237442 | 82.9 |
| ACET | -29.0295 | 5.763424 | 82.13 |
| ACET | -28.9592 | 2.655355 | 81.89 |