Supplement of

$\text{N}_2$ fixation in eddies of the eastern tropical South Pacific Ocean

Carolin R. Löscher et al.

Correspondence to: C. R. Löscher (cloescher@geomar.de)

The copyright of individual parts of the supplement might differ from the CC-BY 3.0 licence.
<table>
<thead>
<tr>
<th>cruise</th>
<th>station ID</th>
<th>latitude [°N]</th>
<th>longitude [°W]</th>
<th>depth [m]</th>
<th>C fixation [μmol L(^{-1}) d(^{-1})]</th>
<th>N(_2) fixation [nmol L(^{-1}) d(^{-1})]</th>
</tr>
</thead>
<tbody>
<tr>
<td>M90</td>
<td>M90_1639-1</td>
<td>-16.749</td>
<td>-83.999</td>
<td>502</td>
<td>0.022</td>
<td>0.00</td>
</tr>
<tr>
<td>M90</td>
<td>M90_1639-1</td>
<td>-16.749</td>
<td>-83.999</td>
<td>450</td>
<td>0.247</td>
<td>1.42</td>
</tr>
<tr>
<td>M90</td>
<td>M90_1639-1</td>
<td>-16.749</td>
<td>-83.999</td>
<td>348</td>
<td>0.228</td>
<td>1.89</td>
</tr>
<tr>
<td>M90</td>
<td>M90_1639-1</td>
<td>-16.749</td>
<td>-83.999</td>
<td>300</td>
<td>0.026</td>
<td>0.21</td>
</tr>
<tr>
<td>M90</td>
<td>M90_1639-2</td>
<td>-16.749</td>
<td>-83.999</td>
<td>201</td>
<td>0.016</td>
<td>0.30</td>
</tr>
<tr>
<td>M90</td>
<td>M90_1639-2</td>
<td>-16.749</td>
<td>-83.999</td>
<td>150</td>
<td>0.006</td>
<td>0.51</td>
</tr>
<tr>
<td>M90</td>
<td>M90_1639-2</td>
<td>-16.749</td>
<td>-83.999</td>
<td>125</td>
<td>0.009</td>
<td>0.25</td>
</tr>
<tr>
<td>M90</td>
<td>M90_1639-2</td>
<td>-16.749</td>
<td>-83.999</td>
<td>40</td>
<td>0.251</td>
<td>0.18</td>
</tr>
<tr>
<td>M90</td>
<td>M90_1639-2</td>
<td>-16.749</td>
<td>-83.999</td>
<td>5</td>
<td>0.017</td>
<td>0.31</td>
</tr>
<tr>
<td>M90</td>
<td>M90_1646-1</td>
<td>-17.165</td>
<td>-83.581</td>
<td>500.3</td>
<td>0.018</td>
<td>0.04</td>
</tr>
<tr>
<td>M90</td>
<td>M90_1646-1</td>
<td>-17.165</td>
<td>-83.581</td>
<td>399.9</td>
<td>0.006</td>
<td>0.17</td>
</tr>
<tr>
<td>M90</td>
<td>M90_1646-1</td>
<td>-17.165</td>
<td>-83.581</td>
<td>380.4</td>
<td>0.030</td>
<td>0.13</td>
</tr>
<tr>
<td>M90</td>
<td>M90_1646-1</td>
<td>-17.165</td>
<td>-83.581</td>
<td>299.9</td>
<td>0.004</td>
<td>0.18</td>
</tr>
<tr>
<td>M90</td>
<td>M90_1646-2</td>
<td>-17.166</td>
<td>-83.583</td>
<td>200</td>
<td>0.008</td>
<td>0.38</td>
</tr>
<tr>
<td>M90</td>
<td>M90_1646-2</td>
<td>-17.166</td>
<td>-83.583</td>
<td>150</td>
<td>0.048</td>
<td>0.22</td>
</tr>
<tr>
<td>M90</td>
<td>M90_1646-2</td>
<td>-17.166</td>
<td>-83.583</td>
<td>125</td>
<td>0.014</td>
<td>0.05</td>
</tr>
<tr>
<td>M90</td>
<td>M90_1646-2</td>
<td>-17.166</td>
<td>-83.583</td>
<td>45</td>
<td>0.015</td>
<td>0.17</td>
</tr>
<tr>
<td>M90</td>
<td>M90_1646-2</td>
<td>-17.166</td>
<td>-83.583</td>
<td>5</td>
<td>0.019</td>
<td>0.73</td>
</tr>
<tr>
<td>M90</td>
<td>M90_1656-1</td>
<td>-15.998</td>
<td>-79.5</td>
<td>500</td>
<td>0.005</td>
<td>0.10</td>
</tr>
<tr>
<td>M90</td>
<td>M90_1656-1</td>
<td>-15.998</td>
<td>-79.5</td>
<td>400</td>
<td>0.021</td>
<td>0.13</td>
</tr>
<tr>
<td>M90</td>
<td>M90_1656-1</td>
<td>-15.998</td>
<td>-79.5</td>
<td>350</td>
<td>0.013</td>
<td>0.09</td>
</tr>
<tr>
<td>M90</td>
<td>M90_1656-1</td>
<td>-15.998</td>
<td>-79.5</td>
<td>300</td>
<td>0.012</td>
<td>0.16</td>
</tr>
<tr>
<td>M90</td>
<td>M90_1656-1</td>
<td>-15.998</td>
<td>-79.5</td>
<td>300</td>
<td>0.006</td>
<td>0.21</td>
</tr>
<tr>
<td>M90</td>
<td>M90_1656-1</td>
<td>-15.998</td>
<td>-79.5</td>
<td>200</td>
<td>0.009</td>
<td>0.36</td>
</tr>
<tr>
<td>M90</td>
<td>M90_1656-2</td>
<td>-15.999</td>
<td>-79.5</td>
<td>150</td>
<td>0.010</td>
<td>0.18</td>
</tr>
<tr>
<td>M90</td>
<td>M90_1656-2</td>
<td>-15.999</td>
<td>-79.5</td>
<td>100</td>
<td>0.008</td>
<td>0.31</td>
</tr>
<tr>
<td>M90</td>
<td>M90_1656-2</td>
<td>-15.999</td>
<td>-79.5</td>
<td>40</td>
<td>0.017</td>
<td>0.23</td>
</tr>
<tr>
<td>M90</td>
<td>M90_1656-2</td>
<td>-15.999</td>
<td>-79.5</td>
<td>5</td>
<td>0.016</td>
<td>1.48</td>
</tr>
<tr>
<td>M90</td>
<td>M90_1659-1</td>
<td>-16.333</td>
<td>-80.5</td>
<td>500</td>
<td>0.005</td>
<td>0.46</td>
</tr>
<tr>
<td>M90</td>
<td>M90_1659-1</td>
<td>-16.333</td>
<td>-80.5</td>
<td>400</td>
<td>0.005</td>
<td>0.13</td>
</tr>
<tr>
<td>M90</td>
<td>M90_1659-2</td>
<td>-16.333</td>
<td>-80.5</td>
<td>300</td>
<td>0.015</td>
<td>0.19</td>
</tr>
<tr>
<td>M90</td>
<td>M90_1659-2</td>
<td>-16.333</td>
<td>-80.5</td>
<td>250</td>
<td>0.016</td>
<td>0.16</td>
</tr>
<tr>
<td>M90</td>
<td>M90_1659-2</td>
<td>-16.333</td>
<td>-80.5</td>
<td>200</td>
<td>0.023</td>
<td>0.29</td>
</tr>
<tr>
<td>M90</td>
<td>M90_1659-2</td>
<td>-16.333</td>
<td>-80.5</td>
<td>150</td>
<td>0.015</td>
<td>0.15</td>
</tr>
<tr>
<td>M90</td>
<td>M90_1659-2</td>
<td>-16.333</td>
<td>-80.5</td>
<td>100</td>
<td>0.010</td>
<td>0.24</td>
</tr>
<tr>
<td>M90</td>
<td>M90_1659-2</td>
<td>-16.333</td>
<td>-80.5</td>
<td>40</td>
<td>0.018</td>
<td>0.39</td>
</tr>
<tr>
<td>M90</td>
<td>M90_1659-2</td>
<td>-16.333</td>
<td>-80.5</td>
<td>5</td>
<td>0.013</td>
<td>0.50</td>
</tr>
<tr>
<td>M90</td>
<td>M90_1664-1</td>
<td>-16.749</td>
<td>-78.001</td>
<td>500</td>
<td>0.004</td>
<td>0.13</td>
</tr>
<tr>
<td>M90</td>
<td>M90_1664-1</td>
<td>-16.749</td>
<td>-78.001</td>
<td>400</td>
<td>0.003</td>
<td>0.26</td>
</tr>
<tr>
<td>M90</td>
<td>M90_1664-2</td>
<td>-16.749</td>
<td>-78</td>
<td>350</td>
<td>0.014</td>
<td>0.26</td>
</tr>
<tr>
<td>M90</td>
<td>M90_1664-2</td>
<td>-16.749</td>
<td>-78</td>
<td>300</td>
<td>0.008</td>
<td>0.38</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>----</td>
<td>-----------------</td>
<td>-------</td>
<td>---</td>
<td>---</td>
<td>----</td>
<td>----</td>
</tr>
<tr>
<td>M90</td>
<td>M90_1664-2</td>
<td>-16.749</td>
<td>-78</td>
<td>200</td>
<td>0.48</td>
<td></td>
</tr>
<tr>
<td>M90</td>
<td>M90_1664-2</td>
<td>-16.749</td>
<td>-78</td>
<td>150</td>
<td>0.036</td>
<td>0.76</td>
</tr>
<tr>
<td>M90</td>
<td>M90_1664-2</td>
<td>-16.749</td>
<td>-78</td>
<td>100</td>
<td>0.020</td>
<td>0.73</td>
</tr>
<tr>
<td>M90</td>
<td>M90_1664-2</td>
<td>-16.749</td>
<td>-78</td>
<td>40</td>
<td>0.015</td>
<td>0.52</td>
</tr>
<tr>
<td>M90</td>
<td>M90_1664-2</td>
<td>-16.749</td>
<td>-78</td>
<td>5</td>
<td>0.026</td>
<td>3.76</td>
</tr>
<tr>
<td>M90</td>
<td>M90_1668-2</td>
<td>-16.75</td>
<td>-76</td>
<td>5</td>
<td>0.027</td>
<td>2.23</td>
</tr>
<tr>
<td>M90</td>
<td>M90_1668-2</td>
<td>-16.75</td>
<td>-76</td>
<td>40</td>
<td>0.007</td>
<td>0.15</td>
</tr>
<tr>
<td>M90</td>
<td>M90_1668-2</td>
<td>-16.75</td>
<td>-76</td>
<td>100</td>
<td>0.008</td>
<td>0.65</td>
</tr>
<tr>
<td>M90</td>
<td>M90_1668-2</td>
<td>-16.75</td>
<td>-76</td>
<td>150</td>
<td>0.009</td>
<td>0.78</td>
</tr>
<tr>
<td>M90</td>
<td>M90_1668-1</td>
<td>-16.749</td>
<td>-76</td>
<td>200</td>
<td>0.017</td>
<td>0.59</td>
</tr>
<tr>
<td>M90</td>
<td>M90_1668-1</td>
<td>-16.749</td>
<td>-76</td>
<td>300</td>
<td>0.015</td>
<td>0.28</td>
</tr>
<tr>
<td>M90</td>
<td>M90_1668-1</td>
<td>-16.749</td>
<td>-76</td>
<td>350</td>
<td>0.007</td>
<td>0.23</td>
</tr>
<tr>
<td>M90</td>
<td>M90_1668-1</td>
<td>-16.749</td>
<td>-76</td>
<td>400</td>
<td>0.008</td>
<td>0.28</td>
</tr>
<tr>
<td>M90</td>
<td>M90_1668-1</td>
<td>-16.749</td>
<td>-76</td>
<td>500</td>
<td>0.027</td>
<td></td>
</tr>
<tr>
<td>M90</td>
<td>M90_1672-2</td>
<td>-16.232</td>
<td>-75.666</td>
<td>5</td>
<td>0.034</td>
<td>1.34</td>
</tr>
<tr>
<td>M90</td>
<td>M90_1672-2</td>
<td>-16.232</td>
<td>-75.666</td>
<td>100</td>
<td>0.066</td>
<td>0.86</td>
</tr>
<tr>
<td>M90</td>
<td>M90_1672-1</td>
<td>-16.232</td>
<td>-75.666</td>
<td>150</td>
<td>0.011</td>
<td>0.90</td>
</tr>
<tr>
<td>M90</td>
<td>M90_1672-1</td>
<td>-16.232</td>
<td>-75.666</td>
<td>200</td>
<td>0.041</td>
<td>0.75</td>
</tr>
<tr>
<td>M90</td>
<td>M90_1672-1</td>
<td>-16.232</td>
<td>-75.666</td>
<td>250</td>
<td>0.507</td>
<td>4.39</td>
</tr>
<tr>
<td>M90</td>
<td>M90_1672-1</td>
<td>-16.232</td>
<td>-75.666</td>
<td>300</td>
<td>0.174</td>
<td>N/A</td>
</tr>
<tr>
<td>M90</td>
<td>M90_1672-1</td>
<td>-16.232</td>
<td>-75.666</td>
<td>350</td>
<td>0.025</td>
<td>N/A</td>
</tr>
<tr>
<td>M90</td>
<td>M90_1672-1</td>
<td>-16.232</td>
<td>-75.666</td>
<td>400</td>
<td>0.282</td>
<td>0.25</td>
</tr>
<tr>
<td>M90</td>
<td>M90_1672-1</td>
<td>-16.232</td>
<td>-75.666</td>
<td>500</td>
<td>0.018</td>
<td>0.30</td>
</tr>
<tr>
<td>M91</td>
<td>M91_1773-2</td>
<td>-16.155</td>
<td>-76.807</td>
<td>299.2</td>
<td>0</td>
<td>0.30</td>
</tr>
<tr>
<td>M91</td>
<td>M91_1773-2</td>
<td>-16.155</td>
<td>-76.807</td>
<td>198.6</td>
<td>0.002</td>
<td>1.04</td>
</tr>
<tr>
<td>M91</td>
<td>M91_1773-3</td>
<td>-16.155</td>
<td>-76.823</td>
<td>101.9</td>
<td>0</td>
<td>2.45</td>
</tr>
<tr>
<td>M91</td>
<td>M91_1773-3</td>
<td>-16.155</td>
<td>-76.823</td>
<td>51.3</td>
<td>0.003</td>
<td>2.13</td>
</tr>
<tr>
<td>M91</td>
<td>M91_1773-3</td>
<td>-16.155</td>
<td>-76.823</td>
<td>7.4</td>
<td>0.01</td>
<td>3.45</td>
</tr>
<tr>
<td>M91</td>
<td>M91_1777-1</td>
<td>-15.519</td>
<td>-75.6</td>
<td>300.7</td>
<td>0.038</td>
<td>0.56</td>
</tr>
<tr>
<td>M91</td>
<td>M91_1777-4</td>
<td>-15.54</td>
<td>-75.614</td>
<td>200.9</td>
<td>0.025</td>
<td>0.46</td>
</tr>
<tr>
<td>M91</td>
<td>M91_1777-4</td>
<td>-15.54</td>
<td>-75.614</td>
<td>101.3</td>
<td>0.012</td>
<td>1.13</td>
</tr>
<tr>
<td>M91</td>
<td>M91_1777-4</td>
<td>-15.54</td>
<td>-75.614</td>
<td>51.4</td>
<td>0.017</td>
<td>2.32</td>
</tr>
<tr>
<td>M91</td>
<td>M91_1777-4</td>
<td>-15.54</td>
<td>-75.614</td>
<td>6.6</td>
<td>0.022</td>
<td>2.52</td>
</tr>
</tbody>
</table>

Table S2: qPCR-based quantification of nifH clusters P1-P8 as defined by Löscher et al. (2014), a Crocosphaera-like diazotroph (UCYN-B) and total nifH [transcripts L⁻¹] as sum of the quantified clusters.
<table>
<thead>
<tr>
<th>Eddy</th>
<th>depth [m]</th>
<th>P1</th>
<th>P2</th>
<th>P3</th>
<th>P4</th>
<th>P5</th>
<th>P6</th>
<th>P7</th>
<th>P8</th>
<th>UCYN-B</th>
<th>total nifH</th>
</tr>
</thead>
<tbody>
<tr>
<td>A1-rim</td>
<td>400</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>350</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>250</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>100</td>
<td>0</td>
<td>172</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>803</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>60</td>
<td>0</td>
<td>427</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>641</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>5</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>2384</td>
<td>0</td>
</tr>
<tr>
<td>A1-center</td>
<td>400</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>250</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>51</td>
<td>1376</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>200</td>
<td>0</td>
<td>683</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>34</td>
<td>1701</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>150</td>
<td>0</td>
<td>943</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>52</td>
<td>26</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>100</td>
<td>0</td>
<td>420</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>20</td>
<td>83</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>5</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>21</td>
<td>219</td>
</tr>
<tr>
<td>B-rim</td>
<td>502</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>674</td>
</tr>
<tr>
<td></td>
<td>450</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>348</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>260</td>
<td>307</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>300</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>231</td>
<td>120</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>201</td>
<td>0</td>
<td>127</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>134</td>
<td>259</td>
<td>21</td>
</tr>
<tr>
<td></td>
<td>150</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>125</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>5</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>32</td>
<td>673</td>
</tr>
<tr>
<td>B-center</td>
<td>399.9</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>380.4</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>362</td>
<td>1360</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>299.9</td>
<td>0</td>
<td>69</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>409</td>
<td>904</td>
<td>18</td>
</tr>
<tr>
<td></td>
<td>200</td>
<td>0</td>
<td>177</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>114</td>
<td>230</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>150</td>
<td>0</td>
<td>153</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>414</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>125</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>5</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>12</td>
<td>348</td>
</tr>
<tr>
<td>C-rim</td>
<td>500</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>15</td>
</tr>
<tr>
<td></td>
<td>350</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>84</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>300</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>101</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>200</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>223</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>150</td>
<td>0</td>
<td>355</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>44</td>
<td>1042</td>
</tr>
<tr>
<td></td>
<td>100</td>
<td>0</td>
<td>188</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>565</td>
</tr>
<tr>
<td></td>
<td>40</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>18</td>
<td>2351</td>
</tr>
<tr>
<td></td>
<td>5</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>14</td>
<td>3049</td>
</tr>
<tr>
<td>C-center</td>
<td>500</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>18</td>
</tr>
<tr>
<td></td>
<td>400</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>47</td>
<td>188</td>
</tr>
<tr>
<td></td>
<td>350</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>29</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>200</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>88</td>
</tr>
<tr>
<td></td>
<td>150</td>
<td>0</td>
<td>169</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>47</td>
<td>-27</td>
</tr>
<tr>
<td></td>
<td>100</td>
<td>0</td>
<td>211</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>18</td>
<td>316</td>
</tr>
<tr>
<td></td>
<td>40</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>47</td>
<td>770</td>
</tr>
<tr>
<td></td>
<td>5</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>14</td>
<td>3049</td>
</tr>
<tr>
<td>A2-rim</td>
<td>499.4</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>73</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>398.2</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>299.2</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>250.6</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>299</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>198.6</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>422</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>150.9</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1289</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>101.9</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>725</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>51.3</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>471</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>7.4</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>143</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>3461</td>
</tr>
<tr>
<td>A2-center</td>
<td>6.6</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>66</td>
<td>1729</td>
<td>0</td>
<td>1795</td>
</tr>
<tr>
<td></td>
<td>51.4</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>345</td>
<td>0</td>
<td>1401</td>
</tr>
<tr>
<td></td>
<td>101.3</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1261</td>
<td>0</td>
<td>0</td>
<td>1305</td>
<td>0</td>
<td>2566</td>
</tr>
<tr>
<td></td>
<td>151</td>
<td>0</td>
<td>265</td>
<td>0</td>
<td>735</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1884</td>
<td>0</td>
<td>2884</td>
</tr>
<tr>
<td></td>
<td>200.9</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>2291</td>
<td>0</td>
<td>2291</td>
</tr>
<tr>
<td></td>
<td>251.2</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>129</td>
<td>0</td>
<td>129</td>
</tr>
<tr>
<td></td>
<td>300.1</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>328</td>
<td>0</td>
<td>328</td>
</tr>
<tr>
<td></td>
<td>400.8</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>499.9</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>
Figure S1: Phosphate, nitrate, nitrite in eddies A, B and C along three sections during the M90 cruise.

References