

2nd Battle Cruiser Squadron Gunnery Logs North Sea Operation April 14, 1917

Gunnery log for New Zealand

| Local Time | Range Yards | Range Rate | Shells Fired | Result | Target |
|------------|-------------|------------|--------------|--------|-------------|
| 12:51 | 14,441 | -1,127 | 1 HE | | Frankfurt |
| 12:52 | 13,269 | -1,172 | 1 HE | | Frankfurt |
| 12:53 | 12,098 | -1,171 | 1 HE | | Frankfurt |
| 12:54 | 10,917 | -1,181 | 6 HE | | Frankfurt |
| 12:55 | 9,714 | -1,202 | 6 HE | | Frankfurt |
| 12:56 | 8,514 | -1,199 | 6 HE | | Frankfurt |
| 12:57 | 7,558 | -942 | 6 HE | | Frankfurt |
| 12:58 | 6,693 | -407 | 10 HE | | Frankfurt |
| 12:59 | 6,296 | -366 | 12 HE | | Frankfurt |
| 13:01 | 14,543 | -317 | 3 AP | | Lutzow |
| 13:03 | 13,677 | -187 | 1 AP | | Seydlitz |
| 13:04 | 13,593 | -29 | 1 AP | | Seydlitz |
| 13:05 | 12,960 | -556 | 4 AP | | Seydlitz |
| 13:06 | 12,572 | -319 | 5 AP | | Seydlitz |
| 13:07 | 12,218 | -295 | 9 AP | | Seydlitz |
| 13:08 | 12,306 | 157 | 10 AP | | Seydlitz |
| 13:09 | 12,503 | 248 | 11 AP | | Seydlitz |
| 13:10 | 11,950 | -428 | 6 AP | | Seydlitz |
| 13:11 | 12,156 | -498 | 4 AP | | Seydlitz |
| 13:12 | 12,081 | -85 | 9 AP | | Seydlitz |
| 13:13 | 11,993 | -138 | 11 AP | | Seydlitz |
| 13:14 | 12,129 | -438 | 2 AP | | Seydlitz |
| 13:15 | 11,584 | -458 | 8 AP | | Seydlitz |
| 13:16 | 11,049 | -477 | 8 AP | | Seydlitz |
| 13:17 | 10,505 | -542 | 7 AP | | Seydlitz |
| 13:18 | 10,133 | -112 | 9 AP | | Seydlitz |
| 13:19 | 10,393 | 314 | 6 AP | | Seydlitz |
| 13:20 | 10,692 | 563 | 1 AP | | Seydlitz |
| 13:21 | 10,891 | 175 | 8 AP | | Seydlitz |
| 13:22 | 10,925 | 35 | 8 AP | | Seydlitz |
| 13:23 | 11,039 | 116 | 6 AP | | Seydlitz |
| 13:24 | 10,956 | 127 | 4 AP | | Derfflinger |
| 13:25 | 11,182 | 133 | 6 AP | 1 hit | Derfflinger |
| 13:26 | 11,436 | 162 | 9 AP rapid | 1 hit | Derfflinger |
| 13:27 | 11,740 | 157 | 6 AP | | Seydlitz |
| 13:28 | 11,726 | -71 | 6 AP | | Seydlitz |
| 13:29 | 11,815 | -204 | 8 AP | | Seydlitz |
| 13:30 | 11,949 | -197 | 8 AP | | Seydlitz |
| 13:31 | 11,782 | -189 | 8 AP | | Seydlitz |
| 13:32 | 11,654 | -127 | 6 AP | | Seydlitz |
| 13:33 | 11,807 | 6 | 3 AP | | Seydlitz |
| 13:34 | 11,864 | -34 | 5 AP | 1 hit | Seydlitz |
| 13:35 | 11,816 | -48 | 8 AP rapid | | Seydlitz |
| 13:36 | 11,787 | -29 | 6 AP | | Seydlitz |
| 13:37 | 11,915 | -122 | 5 AP | | Seydlitz |
| 13:38 | 11,933 | 0 | 8 AP | 1 hit | Seydlitz |
| 13:39 | 11,704 | -404 | 4 AP | | Seydlitz |
| 13:40 | 11,070 | -341 | 6 AP | | Seydlitz |
| 13:41 | 10,494 | -380 | 4 AP | | Seydlitz |
| 13:42 | 10,409 | -361 | 4 AP | | Lutzow |
| 13:43 | 10,106 | -325 | 4 AP | | Lutzow |
| 13:44 | 9,787 | -314 | 4 AP | | Lutzow |
| 13:45 | 9,466 | -315 | 4 AP | | Lutzow |
| 13:46 | 9,158 | -302 | 4 AP | | Lutzow |
| 13:47 | 9,099 | -57 | 4 AP | | Lutzow |
| 13:48 | 9,006 | -92 | 4 AP | | Lutzow |
| 13:49 | 9,310 | 599 | 8 AP | | Lutzow |
| 13:50 | 9,878 | 564 | 8 AP | | Lutzow |
| 13:51 | 10,443 | 569 | 8 AP | 3 hits | Lutzow |
| 13:52 | 11,206 | 513 | 8 AP | 1 hit | Lutzow |

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North Sea Operation April 14, 1917**

| | | | | | |
|-------|--------|-------|------------|---------|-------------|
| 13:53 | 11,722 | 515 | 9 AP | | Lutzow |
| 13:54 | 12,217 | 492 | 8 AP | 2 hits | Lutzow |
| 13:55 | 12,708 | 486 | 8 AP | | Lutzow |
| 13:56 | 13,205 | 492 | 6 AP | | Lutzow |
| 13:57 | 12,933 | 45 | 5 AP | | Lutzow |
| 13:58 | 13,022 | -211 | 5 AP | | Lutzow |
| 13:59 | 13,153 | -159 | 6 AP | | Lutzow |
| 14:00 | 12,874 | -73 | 8 AP | | Lutzow |
| 14:01 | 12,801 | -73 | 8 AP | | Lutzow |
| 14:02 | 12,880 | 79 | 7 AP | | Lutzow |
| 14:03 | 12,684 | -668 | 3 AP | | Moltke |
| 14:04 | 12,044 | -594 | 6 AP | | Moltke |
| 14:05 | 11,391 | -599 | 2 AP | | Moltke |
| 14:06 | 10,491 | -584 | 1 AP | | Derfflinger |
| 14:07 | 9,828 | -600 | 4 AP | | Derfflinger |
| 14:08 | 10,018 | -232 | 1 AP | | Derfflinger |
| 14:10 | 9,483 | -330 | 3 AP | | Derfflinger |
| 14:11 | 8,592 | -321 | 2 AP | | Moltke |
| 14:12 | 8,233 | -338 | 2 AP | | Moltke |
| 14:13 | 7,877 | -340 | 3 AP | | Moltke |
| 14:14 | 7,275 | -46 | 8 AP | | Moltke |
| 14:15 | 7,283 | 26 | 9 AP | | Moltke |
| 14:16 | 7,292 | 9 | 9 AP | | Moltke |
| 14:17 | 7,105 | -180 | 6 AP | 1 hit | Moltke |
| 14:18 | 7,333 | 599 | 9 AP rapid | 1 hit | Moltke |
| 14:19 | 7,397 | -76 | 9 AP | | Moltke |
| 14:20 | 7,684 | 444 | 9 AP | | Moltke |
| 14:21 | 8,204 | 454 | 3 AP | | Moltke |
| 14:22 | 8,665 | 461 | 5 AP | | Moltke |
| 14:23 | 8,320 | -342 | 5 AP | | Moltke |
| 14:24 | 8,209 | -162 | 6 AP | | Moltke |
| 14:25 | 8,046 | -158 | 5 AP | | Moltke |
| 14:26 | 7,869 | -160 | 5 AP | | Moltke |
| 14:27 | 7,649 | -169 | 6 AP | 1 hit | Moltke |
| 14:28 | 7,431 | -170 | 7 HE | | Moltke |
| 14:29 | 7,223 | -160 | 6 HE | | Moltke |
| 14:30 | 7,043 | -149 | 4 HE | | Moltke |
| 14:31 | 6,911 | -131 | 4 HE | 2 hits | Moltke |
| 14:32 | 6,927 | -213 | 4 HE | | Moltke |
| 14:33 | 6,766 | -160 | 4 HE | | Moltke |
| | | Total | 576 shells | 15 hits | |

2nd Battle Cruiser Squadron Gunnery Logs North Sea Operation April 14, 1917

Gunnery log for Indefatigable

| Local Time | Range Yards | Range Rate | Shells Fired | | Result | Target |
|------------|-------------|------------|--------------|-------|--------|-------------|
| 12:51 | 15,346 | -1,176 | 1 HE | | | Frankfurt |
| 12:52 | 14,127 | -1,218 | 1 HE | | | Frankfurt |
| 12:53 | 12,484 | -1,168 | 2 HE | | | Frankfurt |
| 12:54 | 11,306 | -1,177 | 6 HE | | | Frankfurt |
| 12:55 | 10,108 | -1,197 | 6 HE | | | Frankfurt |
| 12:56 | 8,913 | -1,193 | 6 HE | | | Frankfurt |
| 12:57 | 8,034 | -870 | 6 HE | | | Frankfurt |
| 12:58 | 7,081 | -911 | 2 HE | | | Frankfurt |
| 12:59 | 6,465 | -389 | 10 HE | | | Frankfurt |
| 13:00 | 15,146 | -237 | 1 AP | | | Derfflinger |
| 13:01 | 14,915 | -235 | 3 AP | | 1 hit | Derfflinger |
| 13:02 | 14,652 | -258 | 6 AP | rapid | | Derfflinger |
| 13:03 | 14,674 | 321 | 5 AP | | | Moltke |
| 13:04 | 14,048 | -530 | 7 AP | | | Moltke |
| 13:05 | 14,192 | 158 | 1 AP | | | Moltke |
| 13:06 | 13,746 | -394 | 7 AP | | 1 hit | Moltke |
| 13:07 | 12,951 | -767 | 1 AP | rapid | | Moltke |
| 13:08 | 12,711 | -155 | 11 AP | | 1 hit | Moltke |
| 13:09 | 12,453 | 178 | 12 AP | rapid | 1 hit | Moltke |
| 13:10 | 12,386 | 581 | 4 AP | | | Lutzow |
| 13:11 | 12,669 | 169 | 8 AP | | 1 hit | Lutzow |
| 13:12 | 11,819 | -1,089 | 1 AP | rapid | | Lutzow |
| 13:13 | 11,274 | -629 | 8 AP | | | Lutzow |
| 13:14 | 11,068 | -167 | 1 AP | | | Lutzow |
| 13:15 | 10,584 | -447 | 8 AP | | | Lutzow |
| 13:16 | 10,024 | -507 | 8 AP | | | Lutzow |
| 13:17 | 9,658 | -317 | 8 AP | | | Lutzow |
| 13:18 | 9,699 | 117 | 9 AP | | | Lutzow |
| 13:19 | 10,102 | -356 | 1 AP | | | Moltke |
| 13:20 | 10,305 | 159 | 3 AP | | | Moltke |
| 13:21 | 10,778 | 401 | 6 AP | | | Moltke |
| 13:22 | 10,906 | 193 | 8 AP | | | Moltke |
| 13:23 | 10,882 | 109 | 9 AP | | | Moltke |
| 13:24 | 10,939 | 59 | 12 AP | | | Moltke |
| 13:25 | 11,009 | 72 | 8 AP | | | Moltke |
| 13:26 | 11,109 | 103 | 8 AP | | | Moltke |
| 13:27 | 11,207 | 100 | 8 AP | | 1 hit | Moltke |
| 13:28 | 11,247 | 41 | 9 AP | rapid | | Moltke |
| 13:29 | 11,223 | -22 | 12 AP | | | Moltke |
| 13:30 | 11,081 | -69 | 12 AP | | 2 hits | Moltke |
| 13:31 | 10,994 | -86 | 12 AP | | 2 hits | Moltke |
| 13:32 | 10,916 | -78 | 12 AP | | | Moltke |
| 13:33 | 10,664 | -252 | 12 AP | | 2 hits | Moltke |
| 13:34 | 10,891 | 227 | 12 AP | | | Moltke |
| 13:35 | 11,104 | 179 | 12 AP | | 1 hit | Moltke |
| 13:36 | 11,246 | 142 | 12 AP | | 1 hit | Moltke |
| 13:37 | 11,367 | 122 | 12 AP | | 1 hit | Moltke |
| 13:38 | 11,593 | 147 | 12 AP | | 1 hit | Moltke |
| 13:39 | 11,498 | -95 | 12 AP | | 1 hit | Moltke |
| 13:40 | 11,302 | -196 | 9 AP | | 1 hit | Moltke |
| 13:41 | 11,048 | -254 | 9 AP | | 1 hit | Moltke |
| 13:42 | 10,771 | -276 | 9 AP | | | Moltke |
| 13:43 | 10,473 | -298 | 9 AP | | 1 hit | Moltke |
| 13:44 | 10,102 | -376 | 9 AP | | 1 hit | Moltke |
| 13:45 | 9,816 | -332 | 9 AP | | | Moltke |
| 13:46 | 9,128 | -344 | 6 AP | | | Moltke |
| 13:47 | 8,762 | -361 | 6 AP | | | Moltke |
| 13:48 | 8,348 | -402 | 6 AP | | | Moltke |
| 13:49 | 8,975 | -158 | 6 AP | | | Derfflinger |
| 13:50 | 9,440 | 578 | 10 AP | | | Derfflinger |

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North Sea Operation April 14, 1917**

| | | | | | |
|-------|--------|-------|-------------|---------|-------------|
| 13:51 | 10,004 | 564 | 12 AP | | Derfflinger |
| 13:52 | 10,661 | 657 | 12 AP | | Derfflinger |
| 13:53 | 11,612 | 577 | 2 AP | | Lutzow |
| 13:54 | 12,137 | 525 | 12 AP | | Lutzow |
| 13:55 | 12,634 | 497 | 11 AP | | Lutzow |
| 13:56 | 13,133 | 500 | 11 AP | | Lutzow |
| 13:57 | 13,047 | -85 | 1 HE | | Lutzow |
| 13:58 | 12,912 | -122 | 8 HE | | Lutzow |
| 13:59 | 12,941 | -10 | 11 HE | 2 hits | Derfflinger |
| 14:00 | 12,891 | -50 | 12 HE rapid | 1 hit | Derfflinger |
| 14:01 | 12,862 | -73 | 12 HE rapid | 1 hit | Derfflinger |
| 14:02 | 12,816 | -81 | 12 HE rapid | | Derfflinger |
| 14:03 | 12,797 | -12 | 11 HE | | Derfflinger |
| 14:04 | 12,179 | -637 | 1 HE | | Derfflinger |
| 14:05 | 11,579 | -530 | 6 HE | | Derfflinger |
| 14:06 | 11,032 | -539 | 6 HE | | Derfflinger |
| 14:07 | 10,468 | -557 | 6 HE | | Derfflinger |
| 14:08 | 10,671 | -222 | 5 HE | | Derfflinger |
| 14:09 | 10,617 | -305 | 2 HE | | Derfflinger |
| 14:10 | 9,981 | -366 | 2 HE | | Derfflinger |
| 14:11 | 9,867 | -259 | 2 HE | | Lutzow |
| 14:12 | 9,116 | -337 | 3 HE | 1 hit | Lutzow |
| 14:13 | 8,793 | -318 | 3 HE | 2 hits | Lutzow |
| 14:14 | 8,845 | 116 | 9 HE rapid | | Lutzow |
| 14:15 | 8,485 | -102 | 6 HE | | Lutzow |
| 14:16 | 8,508 | 71 | 6 HE | | Lutzow |
| 14:17 | 8,184 | -314 | 6 HE | | Lutzow |
| 14:18 | 8,067 | 114 | 12 HE | | Lutzow |
| 14:19 | 7,641 | 536 | 12 HE | | Lutzow |
| 14:20 | 8,142 | 513 | 12 HE | 1 hit | Lutzow |
| 14:21 | 8,701 | 524 | 12 HE | | Lutzow |
| 14:22 | 8,708 | 7 | 10 HE | | Lutzow |
| 14:23 | 8,643 | 270 | 9 HE | | Lutzow |
| 14:24 | 8,980 | 351 | 9 HE | 2 hits | Lutzow |
| 14:25 | 8,909 | -129 | 6 HE rapid | 1 hit | Lutzow |
| 14:26 | 8,827 | -64 | 6 HE rapid | | Lutzow |
| 14:27 | 8,772 | -68 | 3 HE | | Lutzow |
| 14:28 | 8,767 | -5 | 2 HE | | Lutzow |
| 14:29 | 9,428 | 661 | 4 HE | | Lutzow |
| 14:30 | 10,105 | 595 | 4 HE | | Lutzow |
| 14:31 | 10,082 | -20 | 2 HE | | Lutzow |
| 14:32 | 10,130 | 199 | 3 HE | | Lutzow |
| 14:42 | 10,637 | 115 | 3 HE | | Lutzow |
| 14:43 | 10,810 | 177 | 3 HE | | Lutzow |
| 14:44 | 11,046 | 240 | 2 HE | | Lutzow |
| 14:47 | 11,862 | 160 | 2 HE | | Lutzow |
| 14:48 | 12,081 | 206 | 3 HE | | Lutzow |
| | | Total | 750 shells | 32 hits | |