|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Whale identification****(species, year, Julian day, whale)** | **Tag duration****(hr)** | **360 Roll?** | **N** | **During lunge?** | **Surface or deep lunge?** | **During Travel?** | **Dominant roll direction** |
| Bw-10-229-b | 8.82 | - | - | - | - | - | - |
| Bw-10-230-a | 6.67 | Yes | 3 | Yes | Deep | Yes | Left |
| Bw-10-235-a | 6.15 | Yes | 1 | Yes | Surface | No | Left |
| Bw-10-235-b | 6.40 | Yes | 4 | Yes | - | Yes | Right |
| Bw-10-238-a | 5.12 | - | - | - | - | - | - |
| Bw-10-238-b | 3.38 | - | - | - | - | - | - |
| Bw-10-239-b | 7.88 | Yes | 1 | Yes | Surface | No | Right |
| Bw-10-240-a | 2.45 | - | - | - | - | - | - |
| Bw-10-240-b | 34.10 | Yes | 23 | Yes | Deep, Surface | No | Right |
| Bw-10-241-a | 8.55 | Yes | 1 | No | - | Yes | Left |
| Bw-10-243-a | 5.08 | Yes | 4 | Yes | Deep | Yes | Right |
| Bw-10-243-b | 8.50 | - | - | - | - | - | - |
| Bw-10-244-b | 1.70 | Yes | 2 | No | x | Yes | Left |
| Bw-10-244-c | 2.82 | - | - | - | - | - | - |
| Bw-10-245-a | 5.70 | No | - | - | - | - | - |
| Bw-10-246-a | 4.60 | Yes | 3 | Yes | Deep | Yes | Left |
| Bw-10-246-b | 4.50 | - | - | - | - | - | - |
| Bw-10-247-a | 0.52 | - | - | - | - | - | - |
| Bw-10-251-a | 3.42 | - | - | - | - | - | - |
| Bw-10-265-a | 5.40 | - | - | - | - | - | - |
| Bw-11-211-a | 4.42 | Yes | 1 | Yes | Deep | No | Right |
| Bw-08-Cam-a | 10.00 | Yes | 1 | Yes | Surface | - | Left |
| **Summary** | **Mean: 6.65**  | **11 of 22** | **44** | **8 of 11** | **5 Deep, 4 Surface** | **6 of 11** | **5 Right, 6 Left** |

**Supplementary Table 1. Blue whale summary data for 360º rolling maneuvers.** All whales were tagged with DTAGs expect for “Bw-08-Cam-a” which was a Crittercam deployment.