**Table S1**. List of hatchling and current speeds and hatchling and current direction for each trial where turtle hawksbill hatchlings survived. Units in which the variables are expressed: hatchlings weighted average swimming speed and current speed, hatchling travel direction and current direction in radians and degrees.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Hatchling number** | **Hatchling weighted average swimming speed**  **(m/s)** | **Hatchling travel direction**  **(radians)** | **Hatchling travel direction (degrees)** | **Current speed**  **(m/s)** | **Current direction**  **(radians)** | **Current direction (degrees)** |
| 1 | 0.15 | -0.2 | -11.46 | 0.17 | 6.0 | 343.77 |
| 2 | 0.23 | -0.1 | -5.73 | 0.22 | 5.8 | 332.32 |
| 3 | 0.26 | -0.4 | -22.92 | 0.28 | 5.9 | 338.04 |
| 4 | 0.37 | -0.2 | -11.46 | 0.33 | 6.2 | 355.23 |
| 5 | 0.39 | -0.3 | -17.19 | 0.39 | 3.1 | 177.62 |
| 6 | 0.57 | -0.1 | -5.73 | 0.04 | 1.0 | 57.29 |
| 7 | 0.05 | 1.5 | 85.94 | 0.17 | 6.0 | 343.77 |
| 8 | 0.35 | 0.2 | 11.46 | 0.22 | 5.8 | 332.32 |
| 9 | 0.37 | -0.4 | 22.92 | 0.29 | 6.0 | 343.77 |
| 10 | 0.12 | -0.1 | -5.73 | 0.24 | 6.0 | 343.77 |
| 11 | 0.29 | 0.1 | 5.73 | 0.36 | 6.1 | 349.50 |
| 12 | 0.3 | 0.1 | 5.73 | 0.44 | 6.0 | 343.77 |
| 13 | 0.19 | -0.0 | 0.0 | 0.4 | 6.0 | 343.77 |
| 14 | 0.12 | -0.6 | -34.38 | 0.18 | 5.5 | 315.13 |
| 15 | 0.29 | -0.1 | -5.73 | 0.16 | 0.0 | 0.0 |
| 16 | 0.18 | -0.2 | -11.46 | 0.14 | 6.0 | 343.77 |
| 17 | 0.19 | -0.6 | -34.38 | 0.07 | 5.6 | 320.86 |