ORIENTATION

The orientation data product characterizes the vertical orientation of a MiniPAT or Benthic sPAT that has been attached to an animal with a single-point tether attachment. When an animal is stationary, a tag with this type of tether attachment should float vertically; when the animal moves, the tag will be "knocked down" and trail behind the animal in a less-vertical orientation. This data product uses an onboard accelerometer, sampling at 1 Hz, to detect when the tag moves from a vertical orientation (i.e. being "knocked down"). It is only available on shorter deployments (≤ 96 days).

Tags Containing This Data Product
MiniPAT
Benthic sPAT

Users can adjust two parameters for this data product:

1. Threshold to determine a "knock down."

2. Threshold definition of "upright." This is used to determine the amount of time a tag is upright vs tilted.

Daily Messages

This data product produces daily messages. Each UTC day, one message is generated that contains 2-hour summary periods with:

1. Time the tag was upright.

2. Number of times the tag was "knocked down."

3. Wet/dry summarization

The data are reported in the orientation.csv file.

To Learn More Call: **+1 (425) 881-3048** or Email: **tags@wildlifecomputers.com**