Development of new devices for marine biotelemetry: preliminary results from visual data storage tags and magnetic field sensor accelerometers attached to adult sea turtles

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## Abstract

We have challenged to adopt several micro-electronic devices for marine biotelemetry. The devices included data storage tags, ultrasonic tags and satellite platform transmitter terminals (PTTs). In this paper, we introduced brand-new devices for marine biotelemetry including a magnetic field sensor accelerometer tag (MR tag) and a visual data storage tag (CCD tag). We performed the first trials of the proto-type of the brand-new tags attached to adult sea turtles in Thailand and discussed feasibilities of the devices for biotelemetry.