



ARCGEO Geolocator -TDRs for birds

Technology:  Archival

Product:  Tag

Australasian gannet (*Morus serrator*) © Sean Walls 2013



Geolocation and diving behaviour

Following on from the success of the LAT2000 Series, we now introduce the ARC range, able to record the same data, but with an impressive 16 MB of memory in only 3.4 g. More detail can be recorded on the diving behaviour, or data can be collected over a much longer period of time.

ARC tags are easily mounted onto a ring on the leg of a waterbird, for minimal impact, and to record when birds are on the water as well as when they are diving for food.

Options

- Sensors: Light for geolocation, Depth for diving, Temperature, Wet/dry to record when on the water.

Features:



Temperature



Depth



Light



Wet/dry sensor

Geolocation & Depth:

One tag for geolocation, depth and temperature recording.

Sophisticated analysis:

Template Fit or Threshold geolocation and dive visualisation.

Easy leg attachment:

Use the metal attachment loops to thread cable-tie through and around bird ring.

Product Applications

These ARCGEOs are designed for seabird researchers interested in where birds go, how often they are on the water, how frequently and to what depth do they dive and the temperatures they experience.

ARCGEO-9C	
Weight (g)	3.4
Life ⁽¹⁾ (days)	
60s interval	672
30s interval	307
10s interval	220
Size (LxWxH) (mm)	21 x 9 x 9

1. Life calculated with Temperature, Depth & Wet/dry sensors at the sampling interval stated. Light at 120s. Extended use at the extremes of the operating temperature range may reduce life by up to 50%

Features and specifications subject to change without notice.

Technical specifications:

Sensors: Minimum interval (s)

Light (232 steps): 120 sec

Temperature: Options between 10 and 120 sec

Depth: Options between 10 and 120 sec

Wet/dry sensor: Options between 10 and 120 sec

Temperature sensor operating range: -20 °C to 60 °C

Temperature sensor calibrated range: -5 °C to 35 °C

Temperature sensor resolution: 0.05 °C or better

Temperature sensor accuracy: better than ±0.3 °C

Depth sensor options: 50m, 100m, 200m, 500m, 1000m, 2000m

Depth sensor resolution: 0.05% of Full Scale

Depth sensor accuracy: +1.0% of Full Scale

Memory: 16 MB

Number of sequential logs: 8

Software tools:

Data download: ARC Tag Reader & ARC Tag Talk host

Processing: LAT Viewer Studio

Warranty

ARCGEO tags are warrantied to be free of defects in materials and workmanship under Normal Use for a duration of 50% of Estimated Life to a Maximum of 12 months. For Warranty terms and conditions, please review our [Warranty Statement](#).