



# 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 Arc2 range, able to record the same data, but with an impressive 16 MB of memory in only 2.8 g. More detail can be recorded on the diving behaviour, or data can be collected over a much longer period of time.

Arc2 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 Arc2GEOs 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-8C	
Weight (g)	2.8
Size (LxWxH) (mm)	26 x 8.6 x 8.5
Life <sup>(1)</sup> (days)	
60s interval	414
30s interval	342
10s interval	164
Sensor Interval (s)	
Light (232 steps)	60
Temperature	0, 1, 2, 3, 5, 10, 15, 30, 45, 60, 90, 120
Depth	0, 1, 2, 3, 5, 10, 15, 30, 45, 60
Wet/dry	0, 1, 2, 3, 5, 10, 15, 30, 45, 60, 90, 120
Temperature sensor	
Calibrated range (°C)	-5 to +35
Accuracy (°C)	+/- 0.2
Depth Sensor	
Maximum depth (m)	50, 100, 200
Resolution (% of full scale)	0.05
Accuracy (% of full scale)	+/- 1.0
Operating range (°C)	-10 to +60
Memory (MB)	16
Number of sequential logs	8
Data download	Arc2 Tag Reader Interface Arc2 Host
Data processing	LAT Viewer Studio

1. Life calculated with Temperature, Depth & Wet/dry sensors at the sampling interval stated. Light at 60s. 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.

## Warranty

ARCGEO tags are warranted 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](#).

