<table>
<thead>
<tr>
<th>Event label</th>
<th>DDU2005_emp_a_?_01</th>
</tr>
</thead>
<tbody>
<tr>
<td>Campaign</td>
<td>Dumont d́Urville, Terre Adélie, 2005</td>
</tr>
<tr>
<td>Species</td>
<td>Emperor penguin (<em>Aptenodytes forsteri</em>)</td>
</tr>
<tr>
<td>Age</td>
<td>≥ 4 years</td>
</tr>
<tr>
<td>Sex</td>
<td>?</td>
</tr>
<tr>
<td>Number</td>
<td>01</td>
</tr>
<tr>
<td>Length</td>
<td></td>
</tr>
<tr>
<td>Girth</td>
<td></td>
</tr>
<tr>
<td>Weight [estimated]</td>
<td></td>
</tr>
<tr>
<td>Weight [calculated]</td>
<td></td>
</tr>
<tr>
<td>Weight [measured]</td>
<td>29 kg</td>
</tr>
<tr>
<td>ARGOS PTT ID</td>
<td>60036</td>
</tr>
</tbody>
</table>

**Transmitter type**

SPOT5 Satellite Transmitter

**Manufacturer**

Wildlife Computers

**PTT Serial Number**

05S0739

**PTT Software**

Spot5Host v5.01.0002

**Setting protocol**

Report for SPOT tag 05S0739 on 31-Oct-2005 at 07:34:56
Spot Time: 30-Oct-2005 at 21:36:12
Spot5Host version: 5.01.0002
SPOT5ware version: 5.01f
SPOT belongs to:
Ilka Zimmer
Marine Animal Ecology
Alfred Wegener Institute for Polar and Marine Research
Extended Argos PTT number: 60036 or 008C544C Hex.
Uplink/LUT number: 561/76
transmitting with fast repetition rate of 38.00 seconds
and slow repetition rate of 88.00 seconds.
The current conductivity threshold is: 50 (default)
The default conductivity threshold is: 50
It checks for dry (to start transmitting) every 0.25 seconds
and switches to its slow repetition rate after 15 successive dry transmissions
Transmissions will suspended after being dry for 12 hours,
and resume after being wet for 20 seconds.
Total Transmits since 09-Aug-2005 = 854
Unused transmissions will be added to the next day's allowance.
Maximum transmissions per day = 320
Transmit on these hours:
0 - 23
Transmit on these days:
Jan: 1 - 31
Feb: 1 - 28,
Mar: 1 - 31
Apr: 1 - 30,
May: 1 - 31
Jun: 1 - 30,
Jul: 1 - 31
Aug: 1 - 31
Sep: 1 - 30,
Oct: 1 - 31
Nov: 1 - 30,
Dec: 1 - 31
Time at temperature Histograms are collected using the following bins:
bin 1: -40 to -2.0
bin 2: -1.9 to -1.8
bin 3: -1.7 to -1.6
bin 4: -1.5 to -1.4
bin 5: -1.3 to -1.2
bin 6: -1.1 to -1.0
bin 7: -0.9 to -0.8
bin 8: -0.7 to -0.6
bin 9: -0.5 to -0.4
bin 10: -0.3 to -0.2
bin 11: -0.1 to 0.0
bin 12: 0.1 to 60.0
Histograms start at the following hours:
1, 7, 13, 19,
Haulout Statistics are being collected

System Parameters:
1C050A1D0B12050A1D16009801603200
EA84008C544C05E805FF30355303733
391905080981400356FFFFFF210F0C0A
32082082016D016F0172017401760179
017B017E018001830185014000400C0
7FFFFFFF0FFFFFF7FFFFFFFF3FFFFFFFF
7FFFFFFFF3FFFFFFFF7FFFFFFFF7FFFFFFFF
3FFFFFFFF7FFFFFFFF3FFFFFFFF7FFFFFFFF
496C6B612000696D6D65720D0A4D6172
Deployment

Fixed on lower back feathers with black Tesa Tape

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Immobilisation

Immobilisation by the use of the anaesthetic gas Isofluran diluted in pure medical oxygen.

The bird is immobilized, the head being inserted in an induction mask (O₂: 2-4 L/min, Isofluran: 4 % for 1 minute, then 3-3.5 % till intubation). The bird becomes intubated with a tracheal tube: I.D. 6.5 – 7.5. During the sedation the Isofluran percentage was occasionally reduced to 1.5 – 2.5 %.

To prevent regurgitation during intubation: injection of glycopyrrolate (Robinul-V®: 0.01-0.02 mg/kg, IV or IM).

Duration of sedation: 40-60 minutes.

<table>
<thead>
<tr>
<th>Tag deployed on/at</th>
<th>05-10-31T02:15:00, -66.668, 140.02</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tag retrieved on/at</td>
<td>05-11-24T11:00:00, -66.673, 140.016</td>
</tr>
<tr>
<td>First transmission</td>
<td>05-10-31T01:10:00, -66.665, 140.007</td>
</tr>
<tr>
<td>Last transmission</td>
<td>05-11-24T08:14:00, -66.666, 140.006</td>
</tr>
</tbody>
</table>