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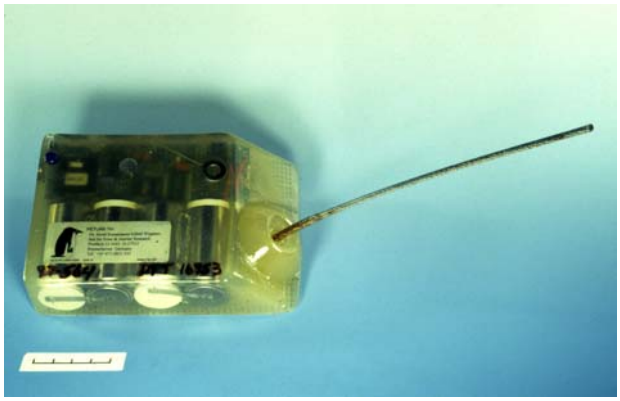
| **Eventlabel** | JUB2000_sel_a_m_13 |
| **Campaign** | King George Island 2000 |
| **Species** | Southern elephant seal (*Mirounga leonina*) |
| **Age** | ≥6 years, adult |
| **Sex** | Male |
| **Number** | 13 |
| **Length** | 405 cm |
| **Girth** | |
| **Weight [estimated]** | |
| **Weight [calculated]** | |
| **Weight [measured]** | |
| **ARGOS PTT ID** | 16966 |
| **Transmitter type** | SDR-T6, Half-Watt, Microprocessor-controlled Satellite-linked Time-Depth Recorder |
| **Manufacturer** | Wildlife Computers<br>  |
| **PTT Serial Number** | 96-252 |
| **PTT Software** | 3.14a |
| **Setting protocol** | Half-Watt, Microprocessor-controlled Satellite-linked Time-Depth Recorder.<br>Unit measures depth from 0 to 1458 meters with a resolution of 6 meters<br>Software version 3.14a. Unit number: 96-252. ARGOS geolocation id = 16966<br>Unit identifier = JUB2000_sel_a_m_13. Unit started at 12:46:24 on 17/04/:0<br>Time (GMT) is 12:49:06.80. Date (GMT) is 17 April 19:0<br>Shallowest depth to be considered a "dive" = 12 meters<br>Deepest depth for accumulating surface-timelines (0=dry only) = 6 meters<br>SLTDR uses 1-sec / ¼-sec wakeups when shallower than 36 / 12 meters<br>Local time [0-23 hours] corresponding to 00h UT (GMT): 20<br>Transmission intervals (at-sea / on-land) = 00:53.00 / 01:36.00<br>SLTDR will use on-land interval after 10 consecutive dry transmissions<br>SLTDR will suspend transmissions after 6 hours "hauled-out".<br>"Haul-out" ends after SLTDR is "wet" for 3 successive at-sea transmission intervals<br>Transmissions will be duty cycled with 1 day on and 0 days off<br>Daily allowance (1-message transmissions; unused xmits don't |

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| | accumulate) = 300<br>STATUS will be transmitted every 24 messages.<br>Blocks of Time-Lines will be transmitted every 48 messages.<br>Hours when SLTDR transmits: 00-23,◘<br>Upper limits of maximum-depth histogram bins are:<br>102, 204, 300, 402, 504, 600, 702, 804, 900, 1002, 1104, 1200, 1302, ∞ meters<br>Upper limits of dive-duration histogram bins are:<br>5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, ∞ minutes<br>Upper limits of time-at-depth histogram bins are:<br>102, 204, 300, 402, 504, 600, 702, 804, 900, 1002, 1104, 1200, 1302, ∞ meters<br>**** Check these parameters carefully ****. Ready to deploy? y<br>Type D to archive depth readings, H to archive histograms: h |
| **Deployment** |  Head, antenna cranial (45°) |
| **Immobilisation** | Large Animal Immobilon (LA Immobilon) was injected remotely by Telinject®-vario darts to achieve initial sedation (x=0.0009 mg/kg etorphine; 0.0037 mg/kg acepromacine; n= 27) while ketamine was injected manually on demand to maintain narcosis (x=81 min). The total dosages (x=1.7 mg/kg) of ketamine required were negatively correlated with those of LA Immobilon ($p < 0.01$). The dosages of LA Immobilon were approximately 15 to 30 times lower than recommended for other large-sized mammal species, and the therapeutic range was low. Nine cases required the application of the etorphine-antidote Large Animal Revivon (x=0.0052 mg/kg diprenorphine) injected intraveneously (n=3), intramuscularly (n=5), or sublingually (n=1).<br>Ramdohr, S., Bornemann, H., Plötz, J., Bester, M.N. (2001). Immobilisation of free-ranging adult male southern elephant seals (*Mirounga leonina*) with Immobilon (etorphine/acepromacine) and ketamine. South African Journal of Wildlife Research 3/4:135-140 |
| **Comment** | |
| **Tag deployed** | 2000-04-21, -62.233, -58.667 |
| **Tag retrieved** | |
| **First transmission** | 2000-04-26T21:53:17, -62.248, -58.441 |
| **Last transmission** | 2000-07-23T18:54:42, -62.990, -52.809 |