Eventlabel	MAR2013_sel_a_f_03		
Campaign	Marion Island 2013		
Species	Southern elephant seal (<i>Mirounga leonina</i>)		
Age	adult; 12 years		
Sex	Female		
Number			
Length	Not noted		
Girth	Not noted		
Weight [estimated]			
Weight [calculated]			
Weight [measured]			
ARGOS PTT ID	60044		
Transmitter type	SRDL 9000 CTD		
Manufacturer	SMRU		
PTT Serial Number	10691		
PTT Software Setting protocol			
	Software specification for CTD_GEN_07B deployment (MEOP: Temp+Salinity share 2 tx) Transmitting via ARGOS Page transmission sequences: Until day 1464: 0 0 1 0 0 2 3 0 0 4 5 using 1 PTT numbers Satellite availability (UTC): 00: on 01: on 02: on 03: on 04: on 05: on 06: on 07: on 08: on 09: on 10: on 11: on 12: on 10: on 11: on 12: on 16: on 17: on 18: on 16: on 17: on 18: on 19: on 20: on 21: on 22: on 23: on 21: on 22: on 23: on 21: on 22: on 23: on 18: on 19: on 23: on 21: on 22: on 23: on 23		

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Sample CTD sensor every 1 seconds.
       Temperature: Collected, Stored. Valid
range: -2.5 to 30.2 degC Conductivity:
Collected, Not stored.
                            Salinity:
Calculated, Stored. Valid range: 28.9 to 37.1 No
GPS data TRANSMISSION BUFFERS (in RAM): Dive in
groups of 3 (6.25 days @ 10mins/dive): 300 =
1200 bytes No 'deep' dives Haulout: 30 = 120
bytes 6-hour summaries in groups of 3 (7.5 days):
10 = 40 bytes No berniegrams No timelines
Cruise: 30 = 120 bytes No diving periods No spot
depths No emergence records No Duration
histograms No Max depth histograms CTD casts (7.5
days): 30 = 120 bytes No GPS fixes TOTAL 1600
bytes (of about 21000 available) MAIN BUFFERS
(in 6.2 Mb Flash): Dive in groups of 3 (416.667
days @ 10mins/dive): 20000 x 100 bytes = 2000000
bytes No 'deep' dives Haulout: 3000 x 16 bytes =
48000 bytes 6-hour summaries in groups of 3 (450
days): 600 \times 68 bytes = 40800 bytes No
berniegrams No timelines Cruise: 3000 x 16 bytes
= 48000 bytes No diving periods No spot depths No
emergence records No Duration histograms No Max
depth histograms CTD casts (500 days): 2000 x 164
bytes = 328000 bytes No GPS fixes TOTAL 2407 kb
(from 6333 kb available) PAGE CONTENTS (256
bits - 9 overhead): PAGE 0: PTT NUMBER
                           -----[8
-----[3
OVERHEAD (28-bit code)
bits: 0 - 7]
              PAGE NUMBER
             DIAGNOSTICS in format 0:
bits: 8 - 10]
                                             TX
number: wraparound 11 bits in units of 32
(range: 0 to 65504)
                     -----[11 bits: 11 -
     DIVE group in format 0:
                                    Normal
211
dives transmitted in groups of 3
start of last dive: max 5 days 12 hours @ 30
secs= 15840
                      tx as raw 14 bits in units
of 1 (range: 0 to 16383)
       (recommended sell-by 5 days 11 hours)
Max depth: -- not transmitted --
duration: odlog 1/6 in units of 30 s (range: 0
to 5715 s)
               Mean speed: -- not transmitted -
               Profile data (4 depths/times, 0
speeds):
                        Depth profile: odlog
2/6 in units of 25 dm (range: 0 to 23887.5 dm)
               Calculation time: -- not
transmitted -- Surface duration: odlog 2/4 in
units of 2.5 s (range: 0 to 588.75 s)
cf. cruise starts after 9 mins (540 secs)
Dive area: -- not transmitted -- -----
[225 bits: 22 - 246] Available bits used
exactly === End of page 0 === PAGE 1:
NUMBER OVERHEAD (28-bit code) -----[8
bits: 0 - 7] PAGE NUMBER ----[3
bits: 8 - 10] DIAGNOSTICS in format 1:
Max depth ever: odlog 1/4 in units of 500 dm
(range: 0 to 23250 dm)
                             ------15
bits: 11 - 15]
                     CRUISE group in format 0:
hours @ 2 mins= 3960
                             tx as raw 12 bits
in units of 1 (range: 0 to 4095)
       (recommended sell-by 5 days 11 hours)
transmitted -- -----[26 bits: 16 - 41]
time: max 5 days 12 hours @ 2 mins= 3960
              cf. Max duration is 16 hours
```

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Reason for end: -- not transmitted --
Contiguous: -- not transmitted --
[25 bits: 42 - 66] SUMMARY group in format 0:
       Transmitted in groups of 3 Record
could be in buffer for 7 days 12 hours
End time: max 7 days @ 6 hours= 28
as raw 5 bits in units of 1 (range: 0 to 31)
bits in units of 15.873 permille (range: 0 to
1000 permille) Dive time: raw 6 bits in units
of 15.873 permille (range: 0 to 1000 permille)
to 11775 dm)
                     Max max dive depth:
odlog 2/6 in units of 25 dm (range: 0 to 23887.5
               Avg dive duration: odlog 1/6 in
units of 30 s (range: 0 to 5715 s)
dive duration: odlog 1/4 in units of 60 s
(range: 0 to 2790 s)
                              Max dive
duration: odlog 1/6 in units of 30 s (range: 0
to 5715 s)
                     Avg speed in dive: --
not transmitted --
                              Number of dives:
odlog 1/4 in units of 2 (range: 0 to 93)
                              Avg max dive
       Deep dives:
depth: -- not transmitted --
                                     SD max
dive depth: -- not transmitted --
Max max dive depth: -- not transmitted --
Number of dives: -- not transmitted --
Avg SST: -- not transmitted --
[180 bits: 67 - 246] Available bits used
exactly === End of page 1 === PAGE 2:
NUMBER OVERHEAD (28-bit code) -----[8
bits: 0 - 7] PAGE NUMBER
bits: 8 - 10] CTD in format 0: End time:
max 7 days @ 10 mins= 1008
10 bits in units of 1 (range: 0 to 1023)
dbar (range: 6 to 2052 dbar) Min temperature:
raw 15 bits in units of 1 (range: 2500 to 35267
= -2.5 to 30.267 °C in steps of 0.001 °C)
Max temperature: raw 15 bits in units of 1
(range: 2500 to 35267 = -2.5 to 30.267 °C in
steps of 0.001 °C)
                             cf. Valid
temperatures: -2.5 to 30.2 degC
salinity: raw 12 bits in units of 2 mPSU (range:
28900 to 37090 mPSU)
                      Max salinity: raw 12
bits in units of 2 mPSU (range: 28900 to 37090
              cf. Valid salinity: 28.9 to 37.1
of 0.977517 permille (range: 0 to 1000 permille)
bounds : -- not transmitted --
Conductivity bounds : -- not transmitted --
Salinity bounds : -- not transmitted --
----[236 bits: 11 - 246] Available bits
used exactly === End of page 2 === PAGE 3:
units of 1 (range: 0 to 1023)
      (recommended sell-by 6 days 23 hours)
Max temperature: -- not transmitted --
       8 profile points 9 to 16 (from total of
17 cut points):
                             Max pressure is
sent separately
                              7 pressure bins:
raw 9 bits in units of 1 bin (range: 0 to 511
bin)
              Temperature: raw 10 bits in
units of 0.977517 permille (range: 0 to 1000
permille) Temperature residual: raw 7 bits
in units of 1 mdegC per sample (range: 0 to 127
mdegC per sample)
                              Pressure already
               Salinity: raw 8 bits in units of
sent
```

	F
	3.92157 permille (range: 0 to 1000 permille) Salinity residual: raw 7 bits in units of 1 mPSU per sample (range: 0 to 127 mPSU per sample) Temperature bounds: raw 2 bits in units of 1 lo/hi (range: 0 to 3 lo/hi) Conductivity bounds: not transmitted Salinity bounds: raw 2 bits in units of 1 lo/hi (range: 0 to 3 lo/hi)[235 bits: 11 - 245]
Deployment	
Immobilisation	Induction dose 14:07 11mls Ket IM @ 200mg/ml
	Induction time 5 minutes Time at recovery recovered after 38min Anesthesia level 4
Comment	Seal tag WW061 Deployment site: MM001 (Boulder's)

Tag deployed	2013-01-08T14:12:00 -46.87739	37.86203
Tag retrieved		
First transmission	2013-01-08T13:47:00 -46.886	37.862
Last transmission	2013-02-11T21:26:02 -53.583	23.125