

## Appendix 11: Individual fish summaries

<b>Tag ID</b>	115742
<b>Fate</b>	Survived - Premature release
<b>Date range at liberty</b>	10 Apr 2013 - 9 May 2013
<b>Actual tag retention duration</b>	29 days
<b>Program tag retention duration</b>	180 days
<b>Tagging location</b>	Portland, VIC
<b>Tag detachment location</b>	Shelf break SW Victoria
<b>Fish (fork) length</b>	109 cm
<b>Estimated weight (L_W conv)*</b>	24 kg
<b>Hooking location</b>	Mouth hooked
<b>Hooking damage</b>	Minor mouth
<b>Hook/lure type</b>	skirted single J hook lure
<b>Fight time</b>	9 min 42 sec
<b>Processing time</b>	4 min 22 sec
<b>In water recovery time</b>	5 sec
<b>Release condition</b>	Active
<b>Seal interaction time</b>	NA
<b>Comments</b>	NA



Fig. 1. Photo of the fish immediately after landing.



Fig. 2. Photo of the hooking location immediately after landing.

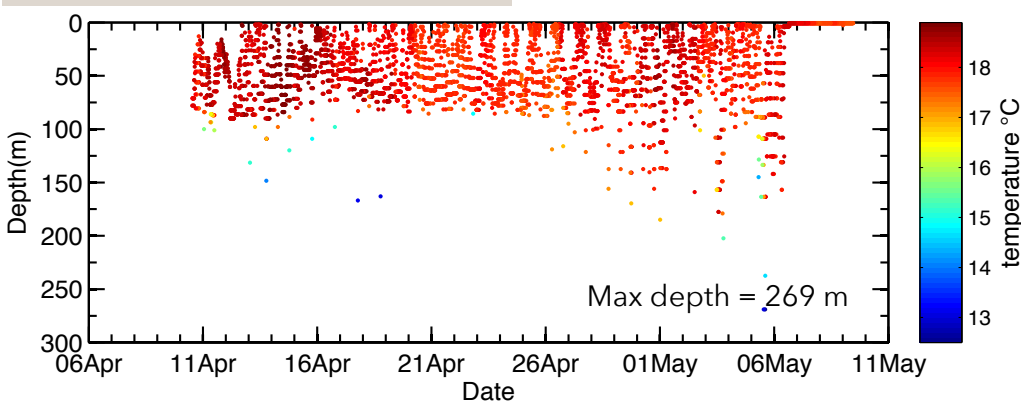


Fig. 3. Dive behaviour and temperatures for duration of tag deployment.

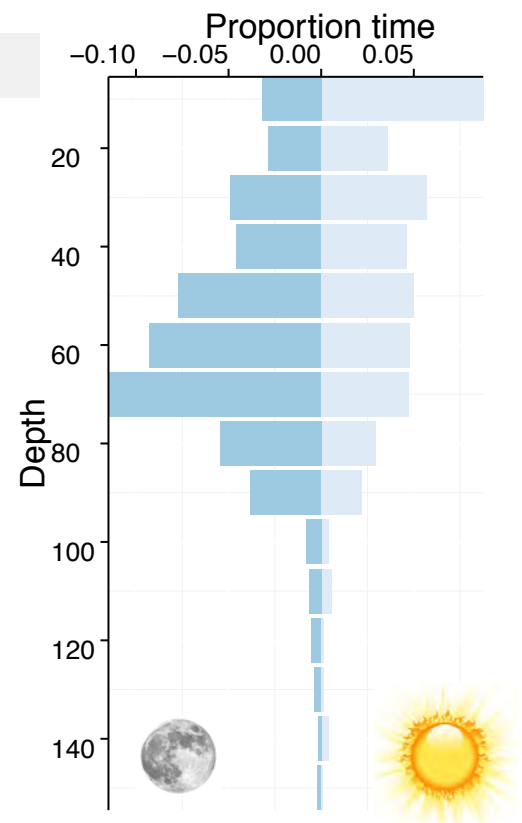


Fig. 4. Proportion of time the individual spent at different depths during the night (darker blue) and day (lighter blue).

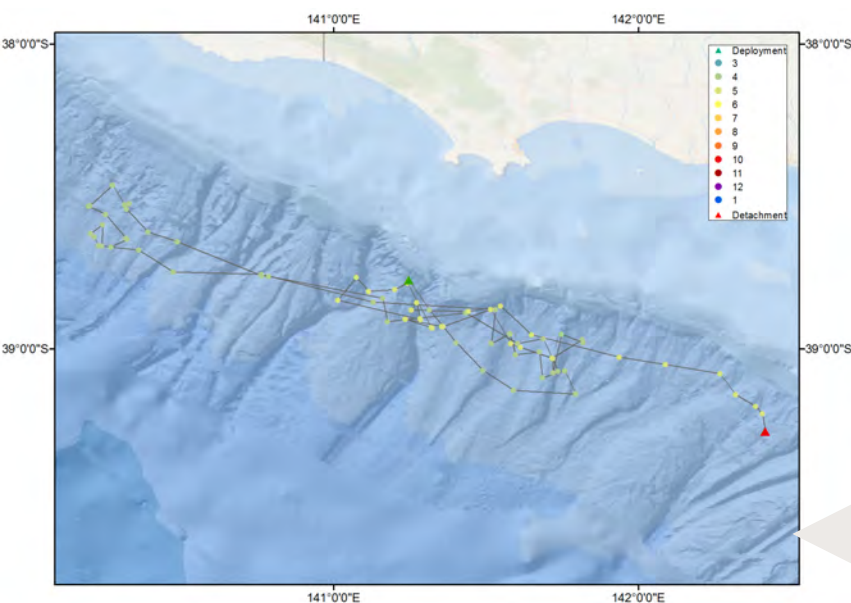


Fig. 5. The most probable track based on light, water temperature and depth based geo-location

Tag ID	115743
Fate	Survived - Full term
Date range at liberty	11 June 2012 - 21 July 2012
Actual tag retention duration	40 days
Program tag retention duration	40 days
Tagging location	Mewstone, TAS
Tag detachment location	Off shelf break eastern South Australia
Fish (fork) length	93 cm
Estimated weight (L_W conv)*	14 kg
Hooking location	Mouth hooked
Hooking damage	Minor mouth
Hook/lure type	Skirted single J hook lure
Fight time	3 min 42 sec
Processing time	2 min 15 sec
In water recovery time	25 sec
Release condition	Low active
Seal interaction time	NA
Comments	NA

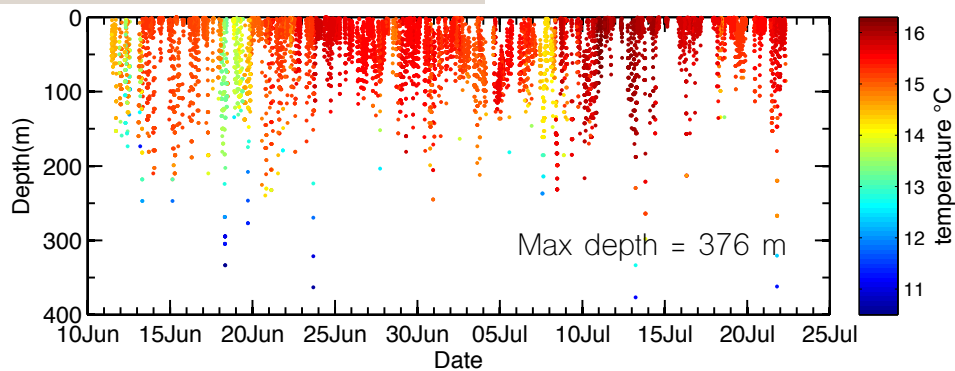


Fig. 1. Dive behaviour and temperatures for duration of tag deployment.

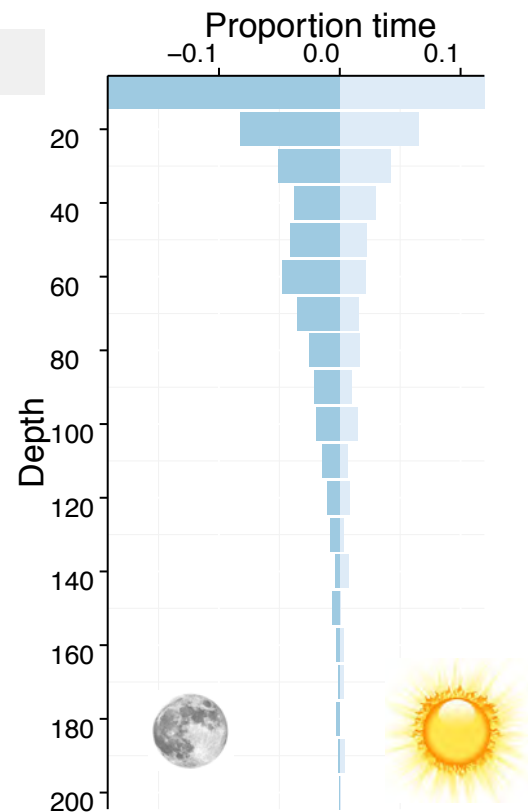


Fig. 2. Proportion of time the individual spent at different depths during the night (darker blue) and day (lighter blue).

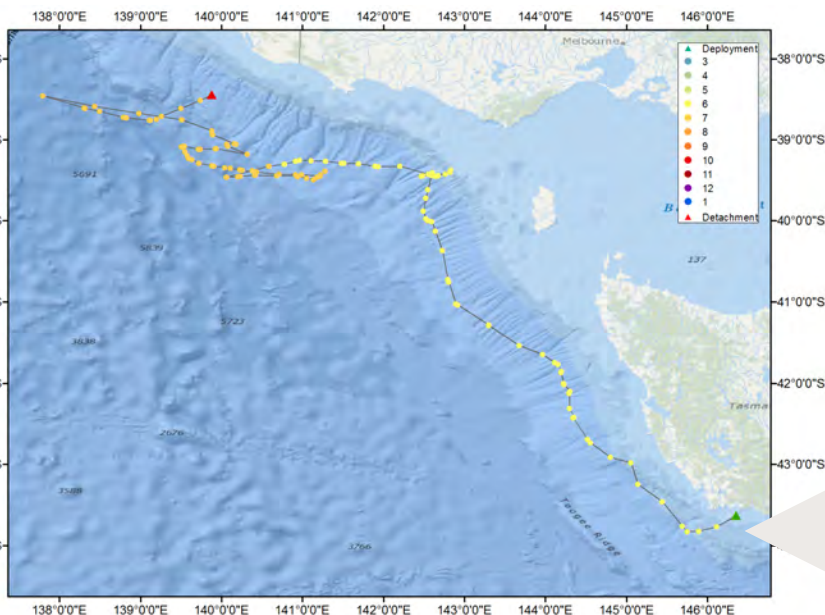


Fig. 3. The most probable track based on light, water temperature and depth based geo-location

<b>Tag ID</b>	115744
<b>Fate</b>	Survived - Premature release
<b>Date range at liberty</b>	28 May 2013 - 17 Aug 2013
<b>Actual tag retention duration</b>	81 days
<b>Program tag retention duration</b>	180 days
<b>Tagging location</b>	Pedra Branca, TAS
<b>Tag detachment location</b>	Tasman Sea adjacent to southern NSW
<b>Fish (fork) length</b>	101 cm
<b>Estimated weight (L_W conv)*</b>	19 kg
<b>Hooking location</b>	Mouth hooked
<b>Hooking damage</b>	Minor mouth
<b>Hook/lure type</b>	skirted single J hook lure
<b>Fight time</b>	6 min 47 sec
<b>Processing time</b>	1 min 52 sec
<b>In water recovery time</b>	6 sec
<b>Release condition</b>	Active
<b>Seal interaction time</b>	NA
<b>Comments</b>	NA



Fig. 1. Photo of the fish immediately after landing.

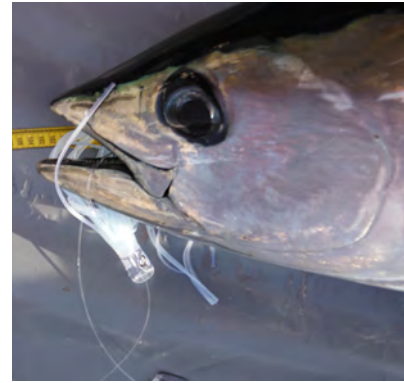


Fig. 2. Photo of the hooking location immediately after landing.

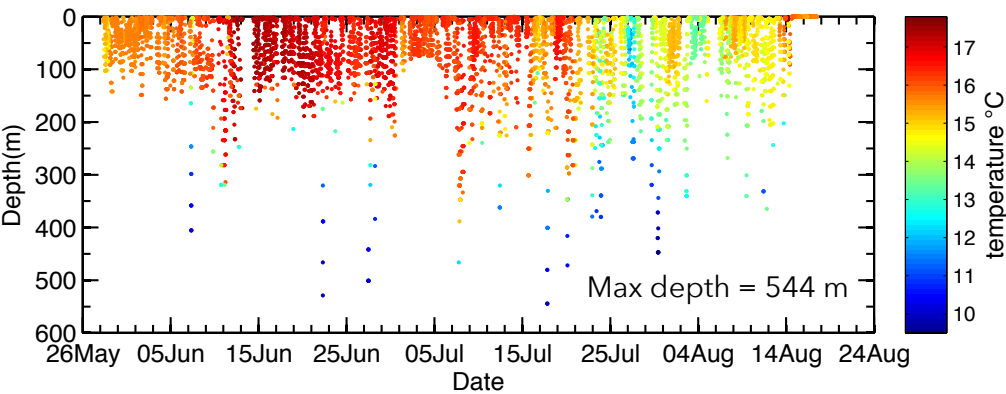


Fig. 3. Dive behaviour and temperatures for duration of tag deployment.

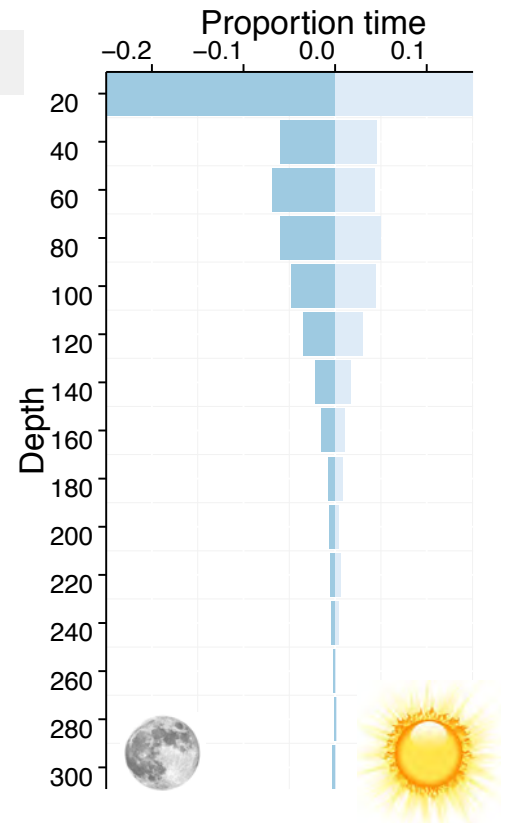


Fig. 4. Proportion of time the individual spent at different depths during the night (darker blue) and day (lighter blue).

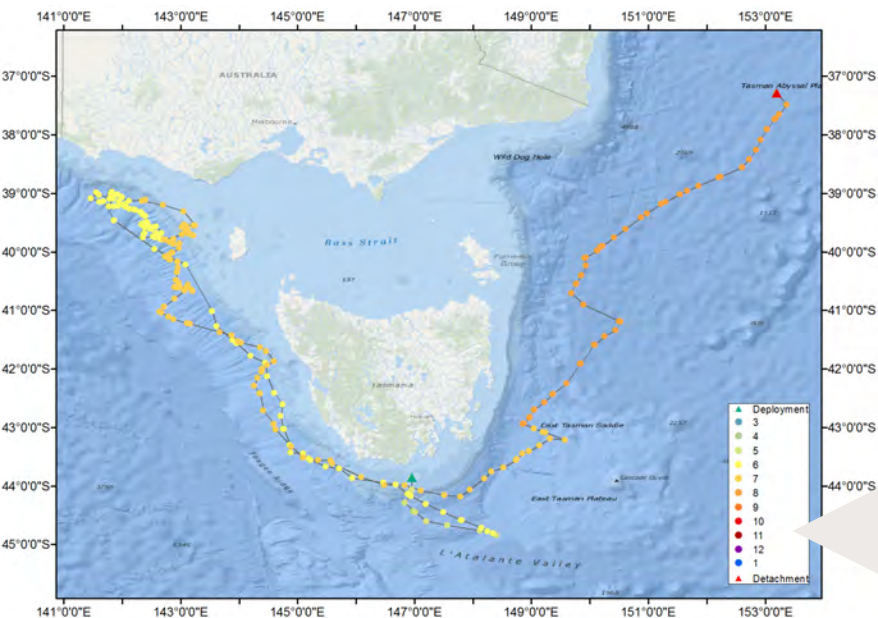


Fig. 5. The most probable track based on light, water temperature and depth based geo-location

Tag ID	115745
Fate	Survived - Full term
Date range at liberty	10 Apr 2013 - 7 Oct 2013
Actual tag retention duration	180 days
Program tag retention duration	180 days
Tagging location	Portland, VIC
Tag detachment location	Great Australian Bight
Fish (fork) length	101 cm
Estimated weight (L_W conv)*	19 kg
Hooking location	Mouth hooked
Hooking damage	Minor mouth
Hook/lure type	Hard body two J hook lure
Fight time	2 min 59 sec
Processing time	2 min 51 sec
In water recovery time	1 sec
Release condition	Active
Seal interaction time	NA
Comments	NA



Fig. 1. Photo of the fish immediately after landing.



Fig. 2. Photo of the hooking location immediately after landing.

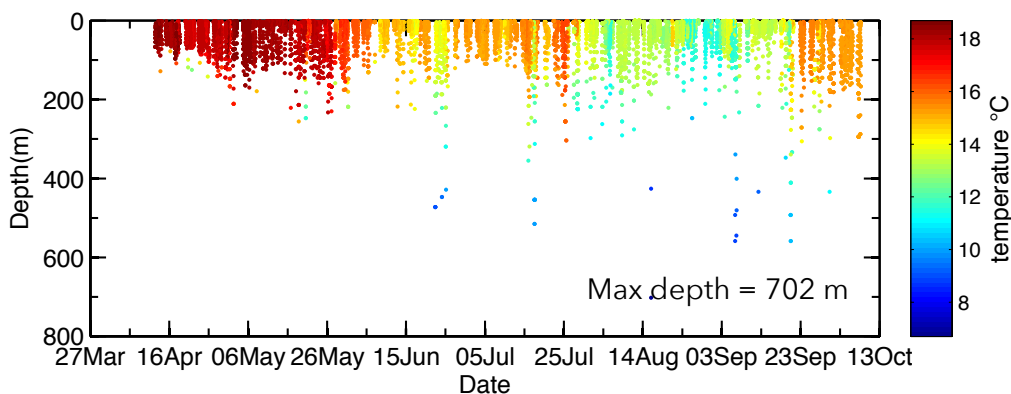


Fig. 3. Dive behaviour and temperatures for duration of tag deployment.

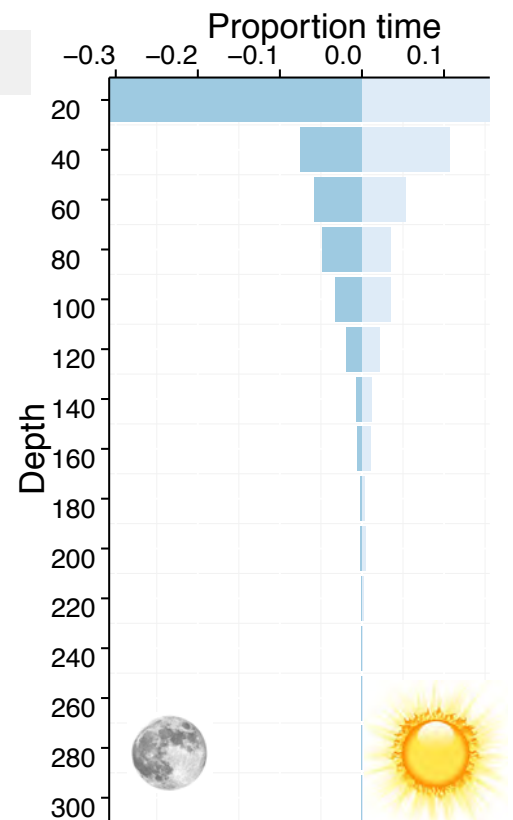


Fig. 4. Proportion of time the individual spent at different depths during the night (darker blue) and day (lighter blue).

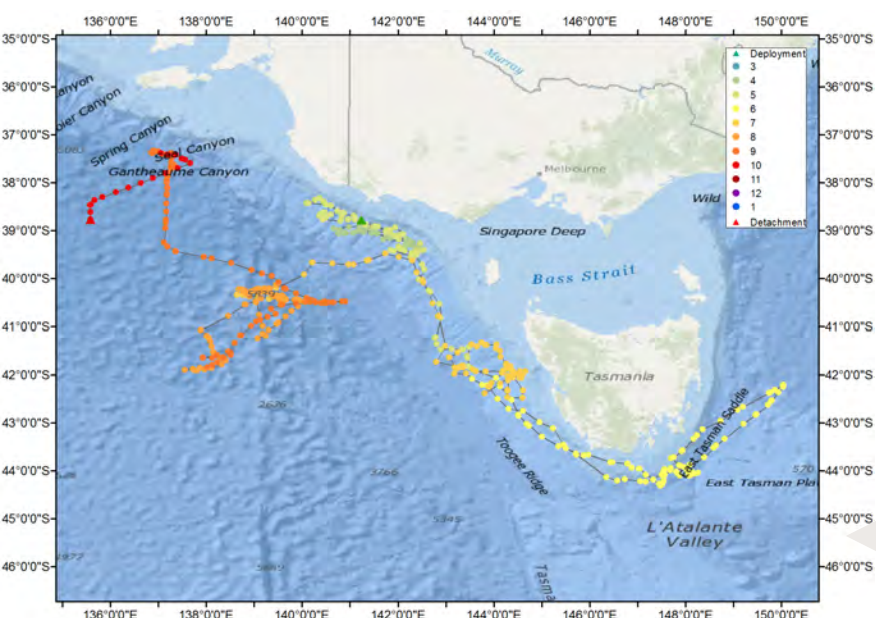


Fig. 5. The most probable track based on light, water temperature and depth based geo-location

<b>Tag ID</b>	115746
<b>Fate</b>	Mortality - natural predation
<b>Date range at liberty</b>	16 May 2012 - 12 Jun 2012
<b>Actual tag retention duration</b>	19 days (before predation)
<b>Program tag retention duration</b>	40 days
<b>Tagging location</b>	Tasman Peninsula, TAS
<b>Tag detachment location</b>	NA
<b>Fish (fork) length</b>	91 cm
<b>Estimated weight (L_W conv)*</b>	13 kg
<b>Hooking location</b>	Mouth hooked
<b>Hooking damage</b>	Minor mouth
<b>Hook/lure type</b>	skirted single J hook lure
<b>Fight time</b>	3 min 20 sec
<b>Processing time</b>	2 min 17 sec
<b>In water recovery time</b>	0 sec
<b>Release condition</b>	Vigorous
<b>Seal interaction time</b>	NA
<b>Comments</b>	Predation determined by change in temperature and dive profile.

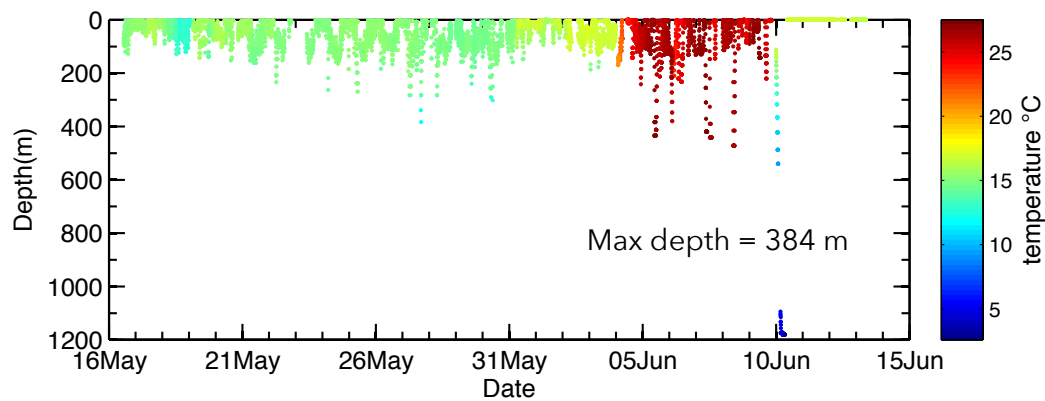


Fig. 1. Dive behaviour and temperatures for duration of tag deployment.

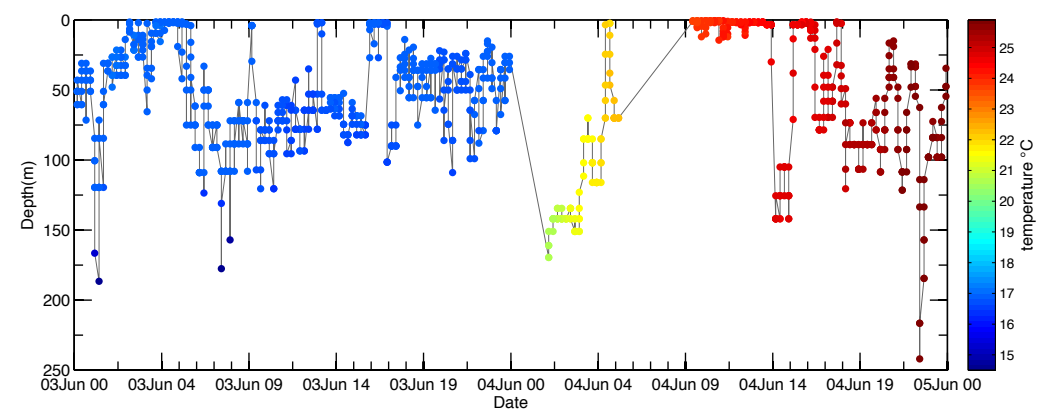


Fig. 2. Dive behaviour and temperatures focusing on two days around the presumed predation. The numbers after the dates indicate hour of day.

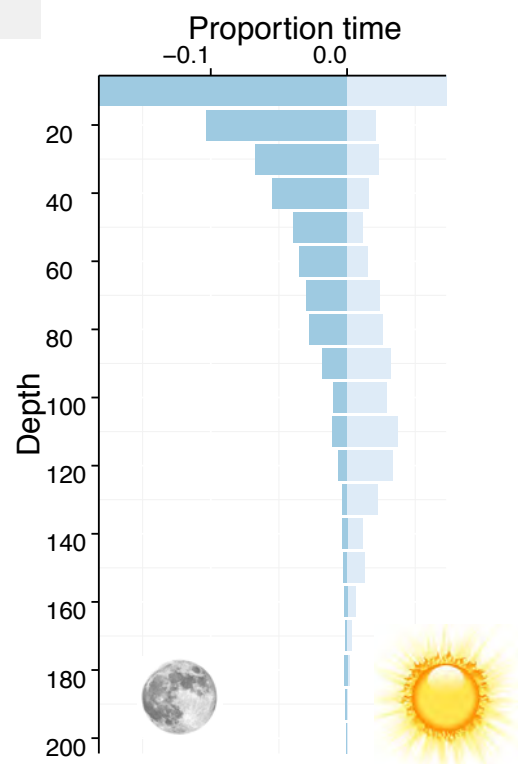


Fig. 3. Proportion of time the individual spent at different depths during the night (darker blue) and day (lighter blue).

Tag ID	115747
Fate	Mortality - Natural/tag induced
Date range at liberty	20 Jun 2013 - 13 Aug 2013
Actual tag retention duration	54 days
Program tag retention duration	180 days
Tagging location	Pedra Branca, TAS
Tag detachment location	Tasman Sea adjacent to Pt Macquarie
Fish (fork) length	91 cm
Estimated weight (L_W conv)*	13 kg
Hooking location	Mouth hooked
Hooking damage	Minor mouth
Hook/lure type	Skirted single J hook lure
Fight time	3 min 37 sec
Processing time	2 min 14 sec
In water recovery time	1 sec
Release condition	Active
Seal interaction time	NA
Comments	Mort. determined by tag sinking



Fig. 1. Photo of the fish immediately after landing.



Fig. 2. Photo of the hooking location immediately after landing.

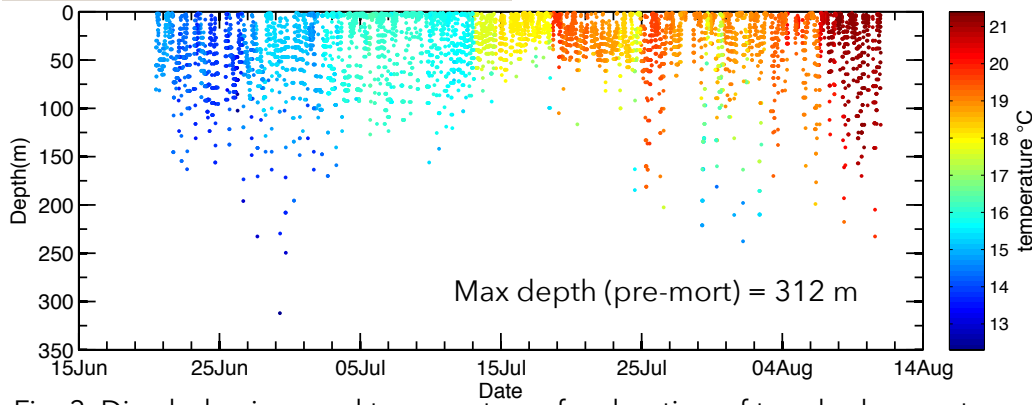


Fig. 3. Dive behaviour and temperatures for duration of tag deployment.

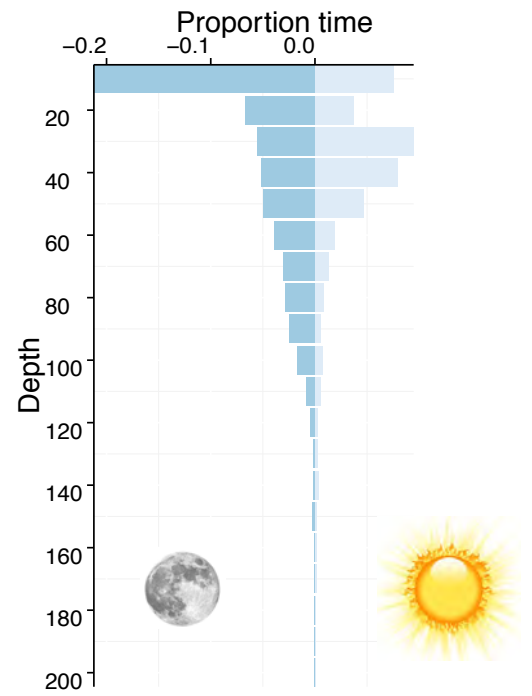
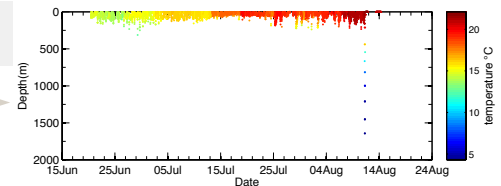


Fig. 4. Proportion of time the individual spent at different depths during the night (darker blue) and day (lighter blue).

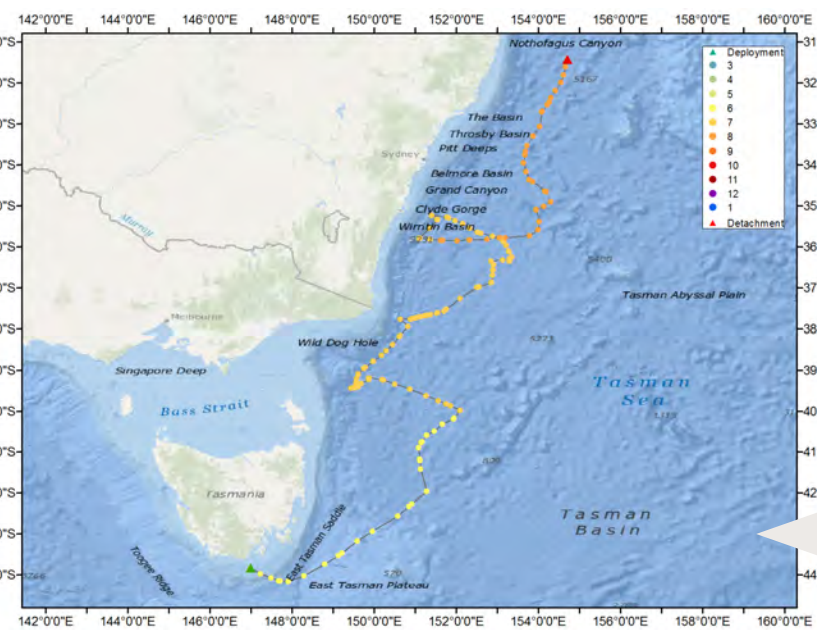


Fig. 5. The most probable track based on light, water temperature and depth based geo-location

Tag ID	115748
Fate	Survived - Full term
Date range at liberty	16 May 2012 - 25 Jun 2012
Actual tag retention duration	40 days
Program tag retention duration	40 days
Tagging location	Tasman Peninsula, TAS
Tag detachment location	Shelf break eastern South Australia
Fish (fork) length	91 cm
Estimated weight (L_W conv)*	13 kg
Hooking location	Mouth hooked
Hooking damage	Minor mouth
Hook/lure type	Skirted single J hook lure
Fight time	1 min 40 sec
Processing time	1 min 59 sec
In water recovery time	8 sec
Release condition	Vigorous
Seal interaction time	NA
Comments	NA

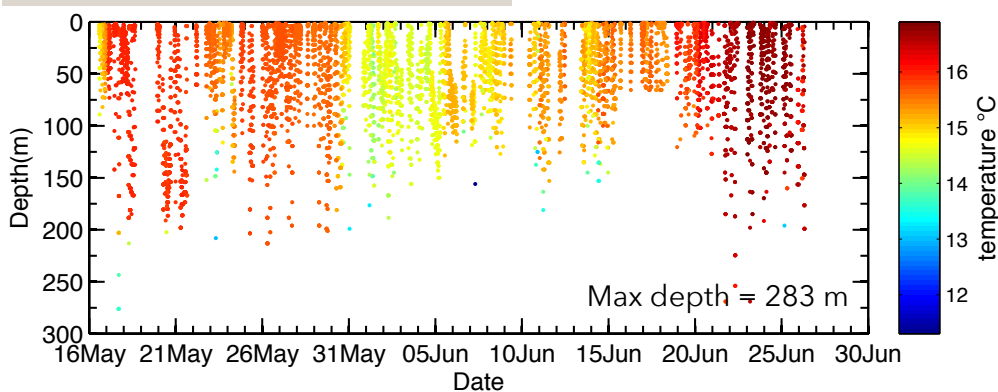


Fig. 1. Dive behaviour and temperatures for duration of tag deployment.

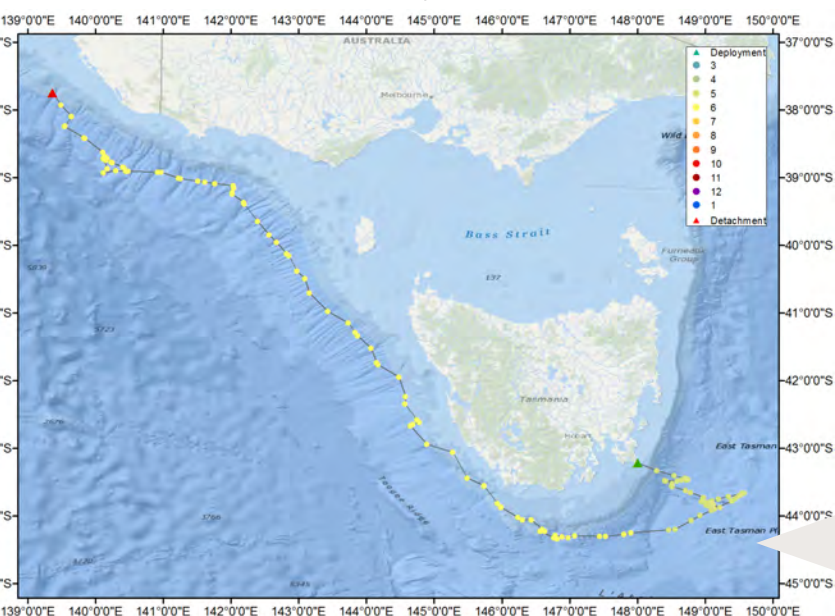


Fig. 3. The most probable track based on light, water temperature and depth based geo-location

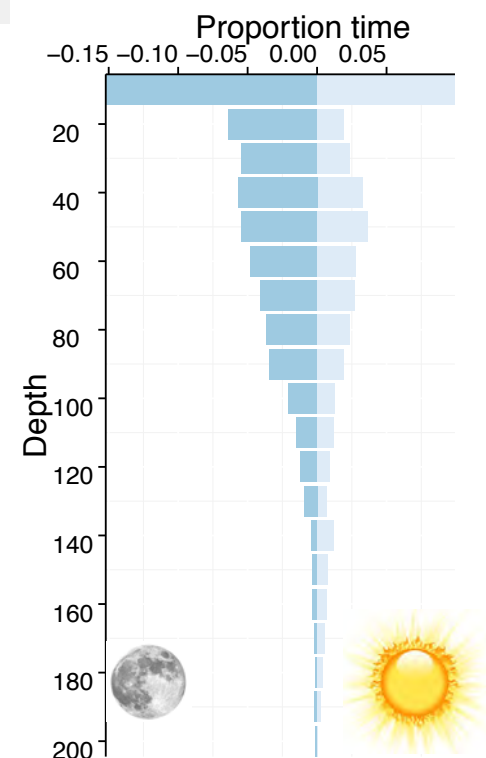


Fig. 2. Proportion of time the individual spent at different depths during the night (darker blue) and day (lighter blue).

Tag ID	115749
Fate	Survived - Full term
Date range at liberty	23 Jun 2012 - 1 Oct 2012
Actual tag retention duration	100 days
Program tag retention duration	100 days
Tagging location	Offshore Bermagui, NSW
Tag detachment location	Tasman Sea
Fish (fork) length	123 cm
Estimated weight (L_W conv)*	34 kg
Hooking location	Mouth hooked
Hooking damage	Minor mouth
Hook/lure type	Hard body two J hook lure
Fight time	15 min 45 sec
Processing time	2 min 55 sec
In water recovery time	0 sec
Release condition	Vigorous
Seal interaction time	NA
Comments	NA

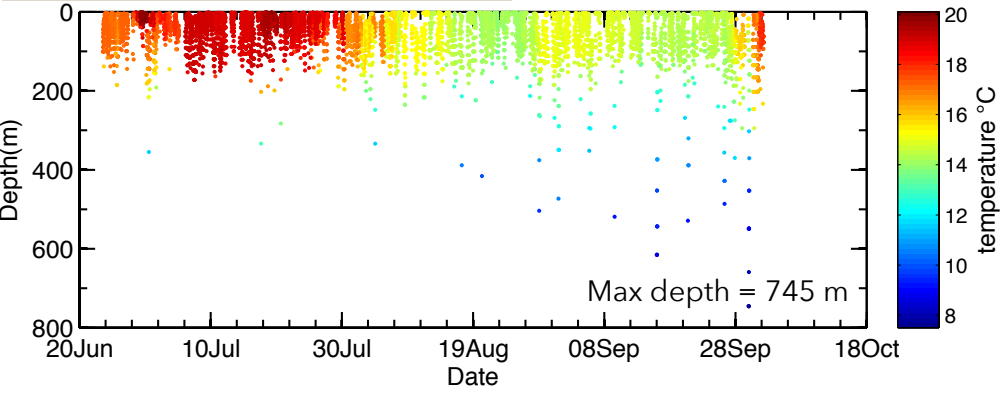


Fig. 1. Dive behaviour and temperatures for duration of tag deployment.

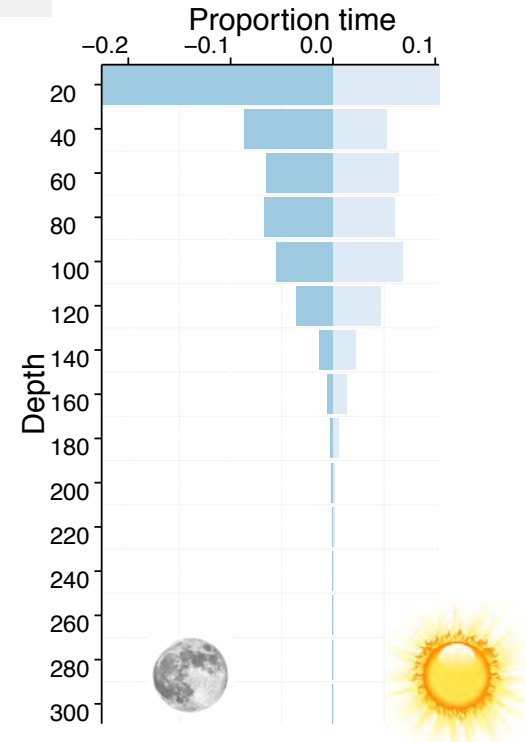


Fig. 2. Proportion of time the individual spent at different depths during the night (darker blue) and day (lighter blue).

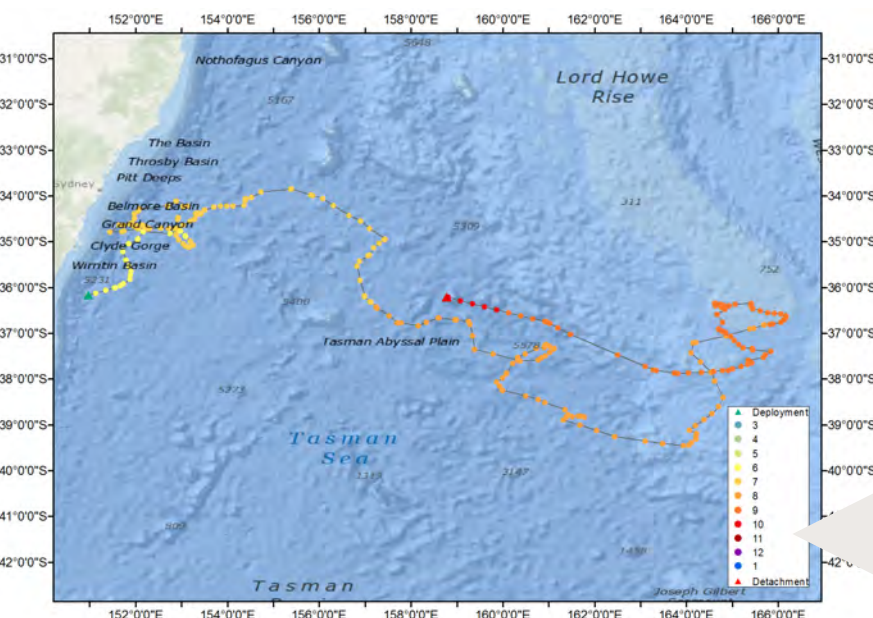


Fig. 3. The most probable track based on light, water temperature and depth based geo-location

<b>Tag ID</b>	115750
<b>Fate</b>	Survived - Full term
<b>Date range at liberty</b>	23 Jun 2012 - 1 Oct 2012
<b>Actual tag retention duration</b>	100 days
<b>Program tag retention duration</b>	100 days
<b>Tagging location</b>	Offshore Bermagui, NSW
<b>Tag detachment location</b>	Shelf break east of St Helens, TAS
<b>Fish (fork) length</b>	100 cm
<b>Estimated weight (L_W conv)*</b>	18 kg
<b>Hooking location</b>	Mouth hooked
<b>Hooking damage</b>	Minor mouth
<b>Hook/lure type</b>	Hard body two J hook lure
<b>Fight time</b>	6 min 30 sec
<b>Processing time</b>	1 min 50 sec
<b>In water recovery time</b>	5 sec
<b>Release condition</b>	Active
<b>Seal interaction time</b>	NA
<b>Comments</b>	NA

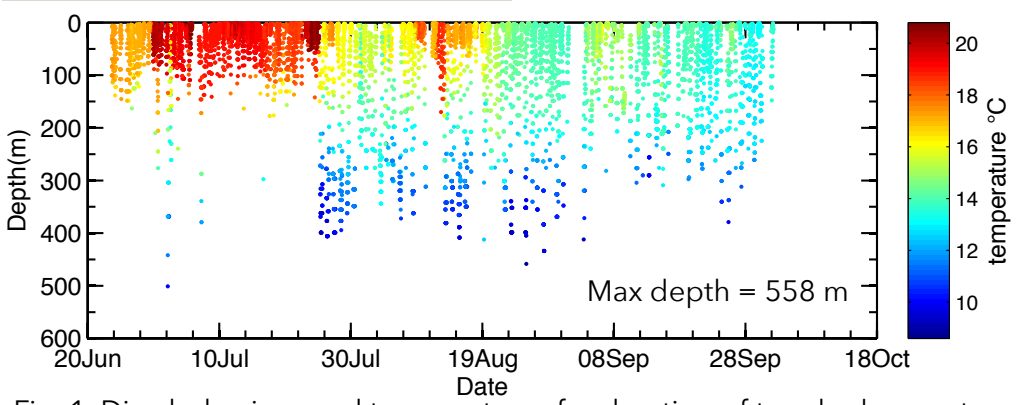


Fig. 1. Dive behaviour and temperatures for duration of tag deployment.

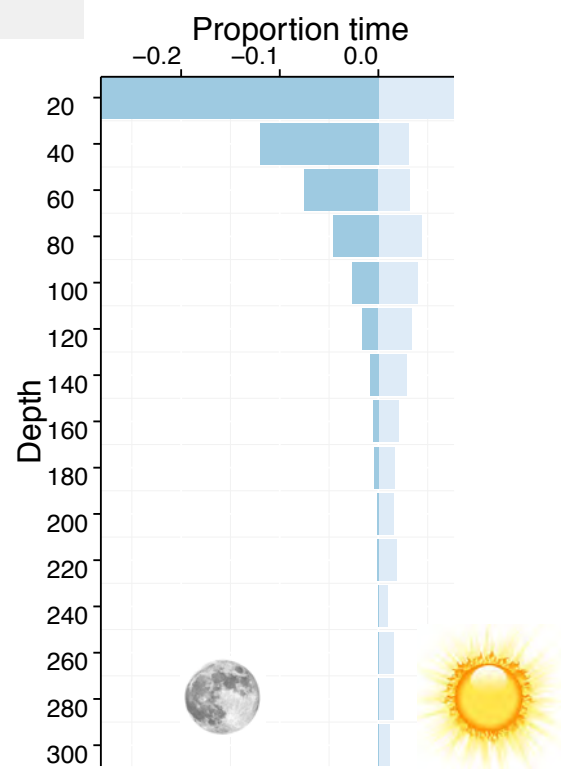


Fig. 2. Proportion of time the individual spent at different depths during the night (darker blue) and day (lighter blue).

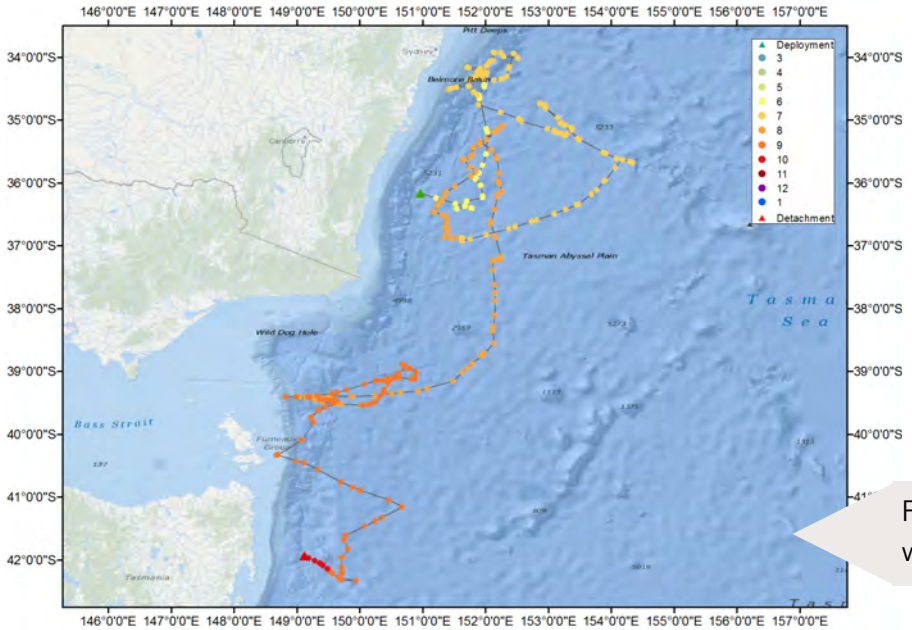


Fig. 3. The most probable track based on light, water temperature and depth based geo-location

Tag ID	115751
Fate	Survived - Premature release
Date range at liberty	10 Apr 2013 - 15 Sep 2013
Actual tag retention duration	158 days
Program tag retention duration	180 days
Tagging location	Portland, VIC
Tag detachment location	off shelf break east of St Helens, TAS
Fish (fork) length	110 cm
Estimated weight (L_W conv)*	24 kg
Hooking location	Mouth hooked
Hooking damage	Minor mouth
Hook/lure type	Skirted single J hook lure
Fight time	8 min 52 sec
Processing time	1 min 41 sec
In water recovery time	25 sec
Release condition	Active
Seal interaction time	NA
Comments	NA



Fig. 1. Photo of the fish immediately after landing.

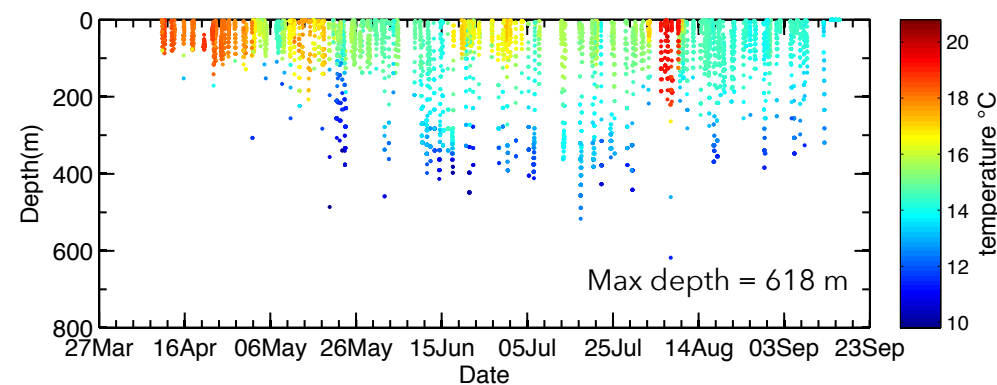


Fig. 2. Dive behaviour and temperatures for duration of tag deployment.

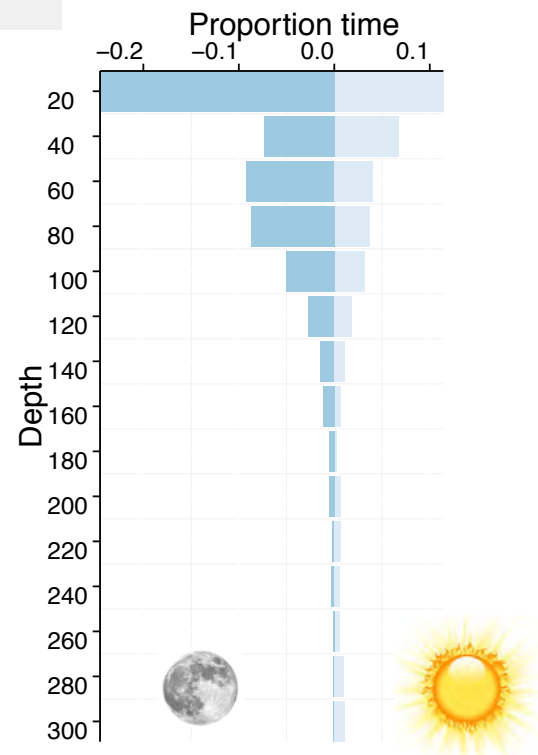


Fig. 3. Proportion of time the individual spent at different depths during the night (darker blue) and day (lighter blue).

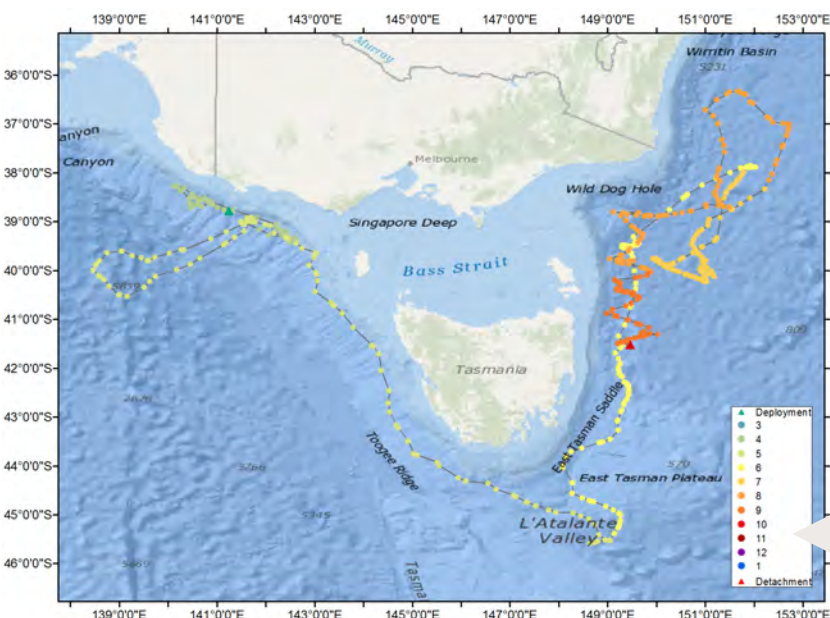


Fig. 4. The most probable track based on light, water temperature and depth based geo-location

<b>Tag ID</b>	121772
<b>Fate</b>	Survived - Full term
<b>Date range at liberty</b>	4 Mar 2013 - 31 Aug 2013
<b>Actual tag retention duration</b>	180 days
<b>Program tag retention duration</b>	180 days
<b>Tagging location</b>	Pedra Branca, TAS
<b>Tag detachment location</b>	Tasman Sea, adjacent to Tasmania
<b>Fish (fork) length</b>	109 cm
<b>Estimated weight (L_W conv)*</b>	24 kg
<b>Hooking location</b>	Mouth hooked
<b>Hooking damage</b>	Minor mouth
<b>Hook/lure type</b>	Skirted single J hook lure
<b>Fight time</b>	7 min 38 sec
<b>Processing time</b>	1 min 34 sec
<b>In water recovery time</b>	14 sec
<b>Release condition</b>	Active
<b>Seal interaction time</b>	NA
<b>Comments</b>	NA



Fig. 1. Photo of the fish immediately after landing.



Fig. 2. Photo of the hooking location immediately after landing.

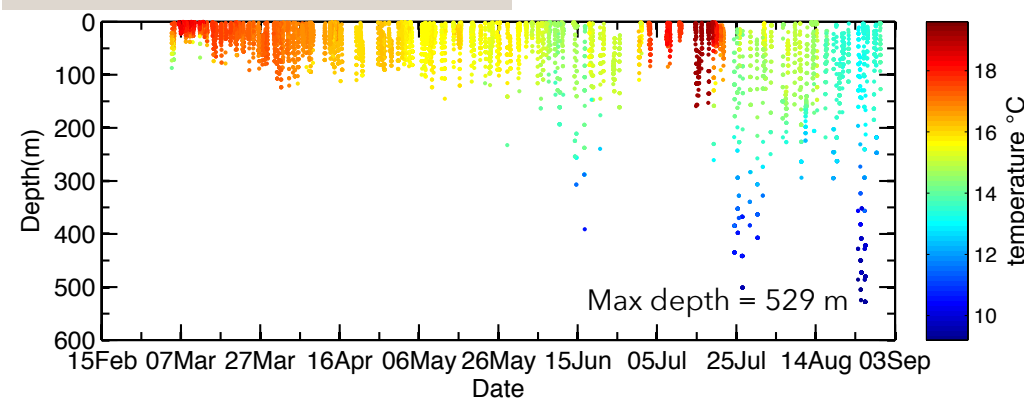


Fig. 3. Dive behaviour and temperatures for duration of tag deployment.

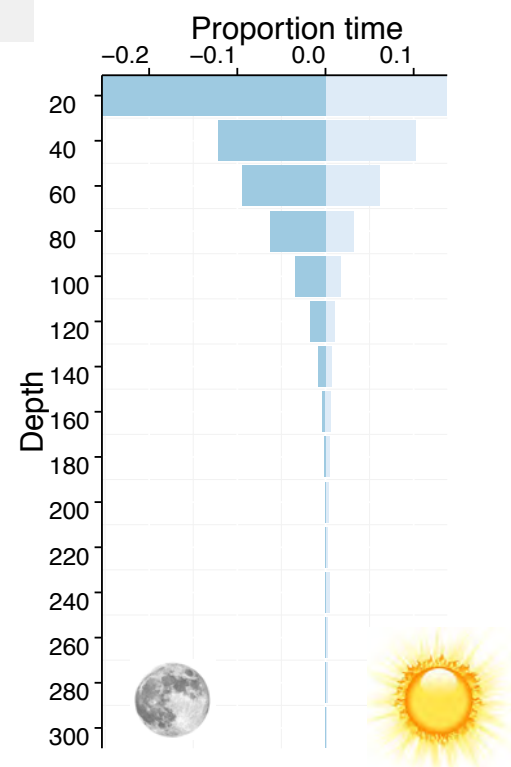


Fig. 4. Proportion of time the individual spent at different depths during the night (darker blue) and day (lighter blue).

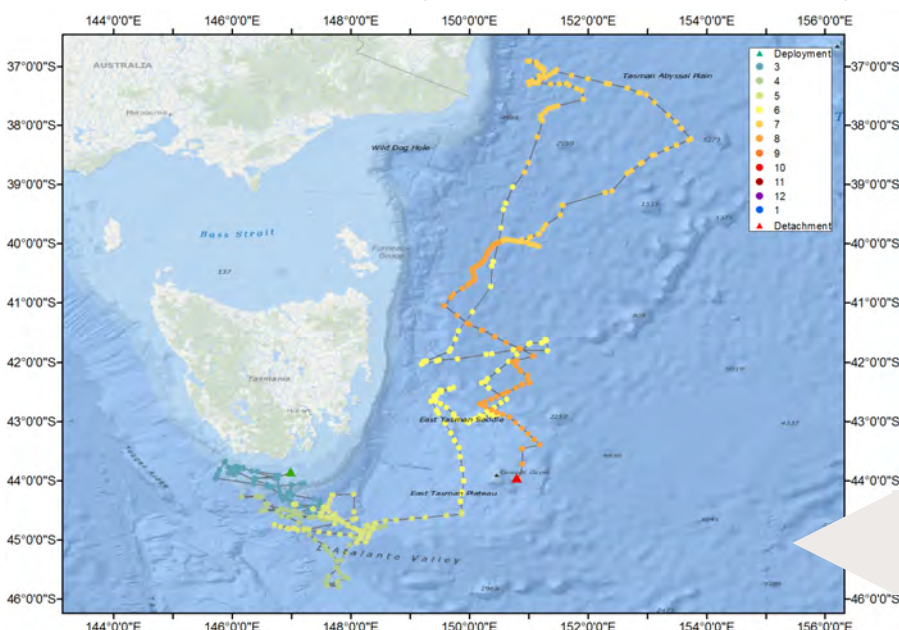


Fig. 5. The most probable track based on light, water temperature and depth based geo-location

<b>Tag ID</b>	121773
<b>Fate</b>	Mortality - catch induced
<b>Date range at liberty</b>	28 May 2013 - 6 Jun 2013
<b>Actual tag retention duration</b>	6 days (before mortality)
<b>Program tag retention duration</b>	180 days
<b>Tagging location</b>	Pedra Branca, TAS
<b>Tag detachment location</b>	Tasman Sea adjacent to St Helens
<b>Fish (fork) length</b>	98 cm
<b>Estimated weight (L_W conv)*</b>	17 kg
<b>Hooking location</b>	Mouth hooked
<b>Hooking damage</b>	Minor mouth
<b>Hook/lure type</b>	Skirted single J hook lure
<b>Fight time</b>	7 min 38 sec
<b>Processing time</b>	2 min 26 sec
<b>In water recovery time</b>	5 sec
<b>Release condition</b>	Vigorous
<b>Seal interaction time</b>	NA
<b>Comments</b>	Mortality determined by tag sinking →



Fig. 1. Photo of the fish immediately after landing.



Fig. 2. Photo of the hooking location immediately after landing.

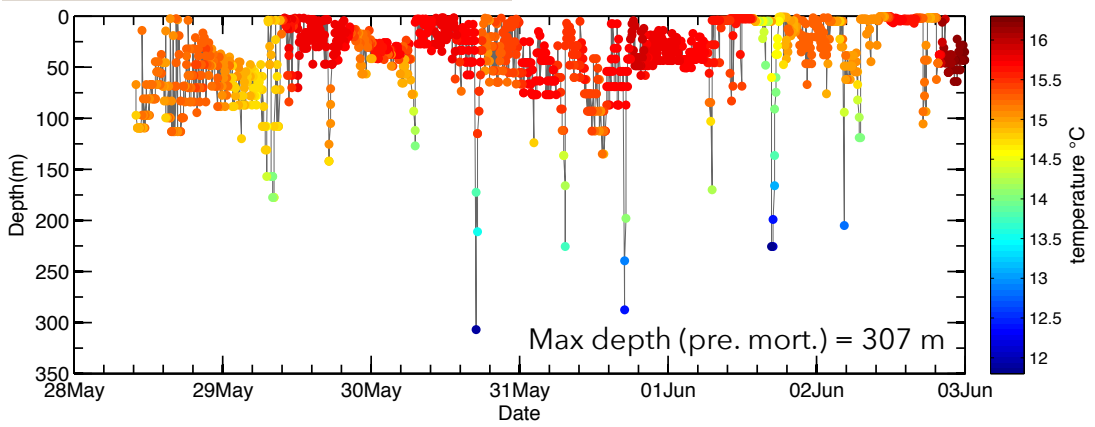


Fig. 3. Dive behaviour and temperatures for duration of tag deployment.

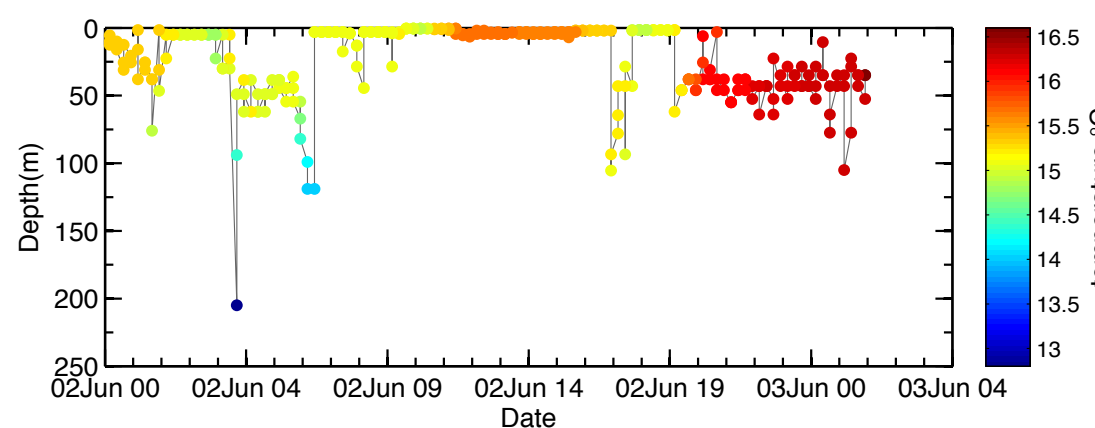


Fig. 4. Dive behaviour and temperatures focusing on a 24 hour period up to one hour pre-mortality. The numbers after the dates indicate hour of day.

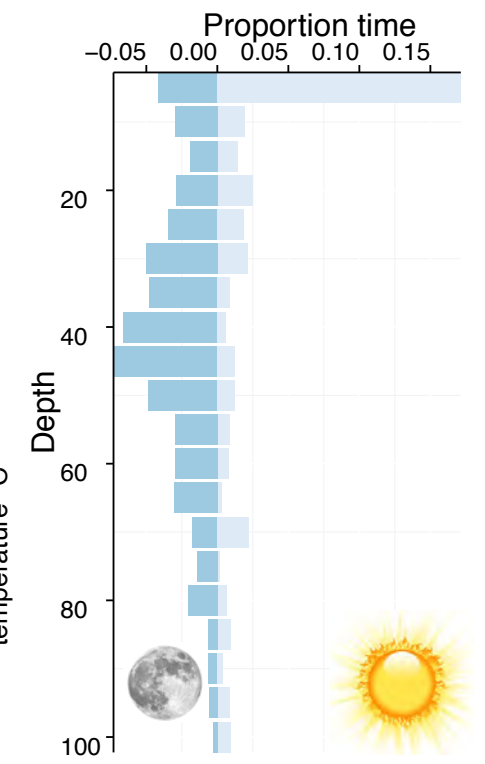
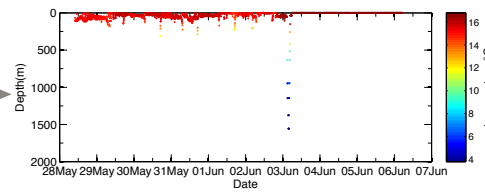


Fig. 5. Proportion of time the individual spent at different depths during the night (darker blue) and day (lighter blue).

Tag ID

121774

Fate	Mortality - Post-release predation
Date range at liberty	4 March 2013 - 8 Apr 2013
Actual tag retention duration	35 days (mortality within 1 day of release)
Survival duration	9 days prior to behavioural change
Program tag retention duration	180 days
Tagging location	Pedra Branca, TAS
Tag detachment location	Southeast of Tasmania
Fish (fork) length	106 cm
Estimated weight (L_W conv)*	22 kg
Hooking location	Mouth hooked
Hooking damage	Minor mouth
Hook/lure type	Hard body double treble hook lure
Fight time	6 min 30 sec
Processing time	2 min 23 sec
In water recovery time	5 sec
Release condition	Active
Seal interaction time	NA
Comments	Observed gill damage from 2nd treble hook. Significant behavioural change. Predation assessed by depth and light time series data.



Fig. 1. Photo of the fish immediately after landing.



Fig. 2. Photo of the hooking location immediately after landing.

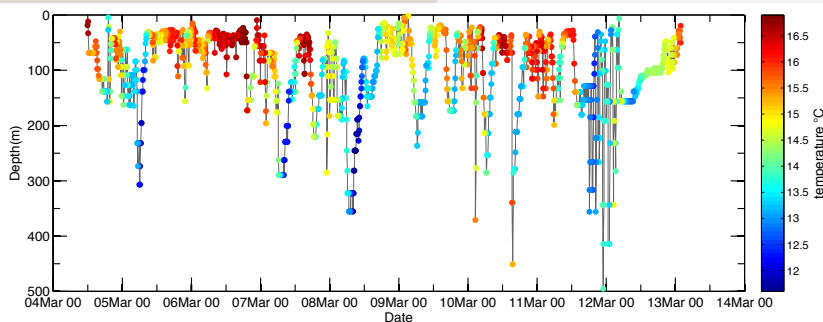


Fig. 3. Dive behaviour and temperatures prior to behavioural shift. Including one day showing the altered behaviour.

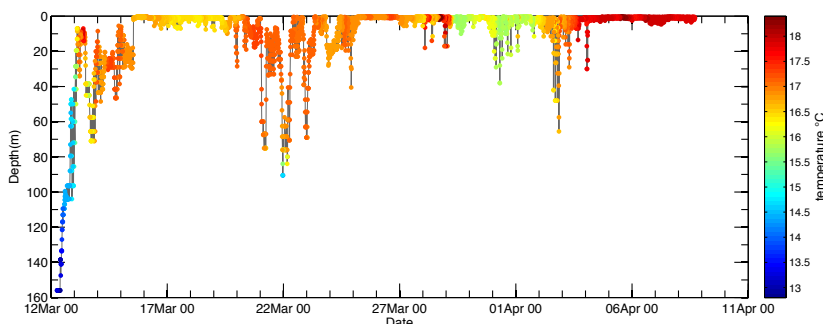
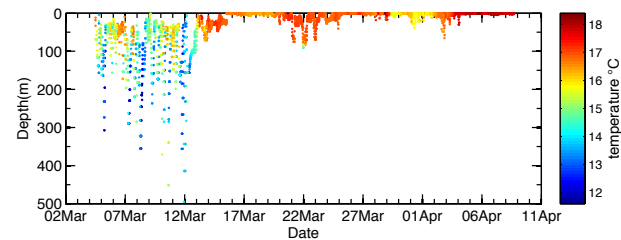


Fig. 4. Dive behaviour and temperatures post behavioural shift. Including one day of time showing the previous behaviour.

<b>Tag ID</b>	121775 (Sam)
<b>Fate</b>	Survived - Premature release
<b>Date range at liberty</b>	1 May 2013 - 27 Jun 2013
<b>Actual tag retention duration</b>	57 days
<b>Program tag retention duration</b>	180 days
<b>Tagging location</b>	Tasman Peninsula, TAS
<b>Tag detachment location</b>	Horse shoe, eastern Bass Strait
<b>Fish (fork) length</b>	188 cm
<b>Estimated weight (L_W conv)*</b>	132 kg
<b>Hooking location</b>	Mouth hooked
<b>Hooking damage</b>	Minor mouth
<b>Hook/lure type</b>	skirted single J hook lure
<b>Fight time</b>	34 min 25 sec
<b>Processing time</b>	1 min 45 sec
<b>In water recovery time</b>	25 sec
<b>Release condition</b>	Low active
<b>Seal interaction time</b>	2 min 15 sec (at end fight)
<b>Comments</b>	two lip gaffs used to bring aboard



Fig. 1. Photo of the fish prior to release.

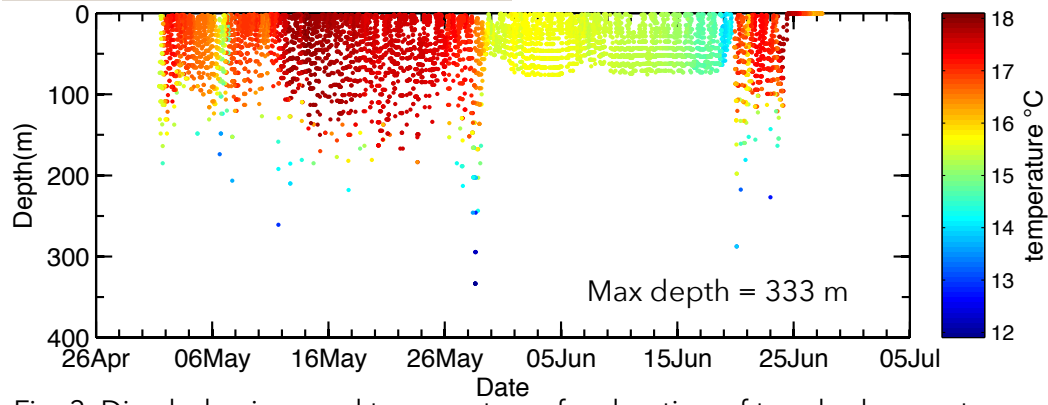


Fig. 3. Dive behaviour and temperatures for duration of tag deployment.

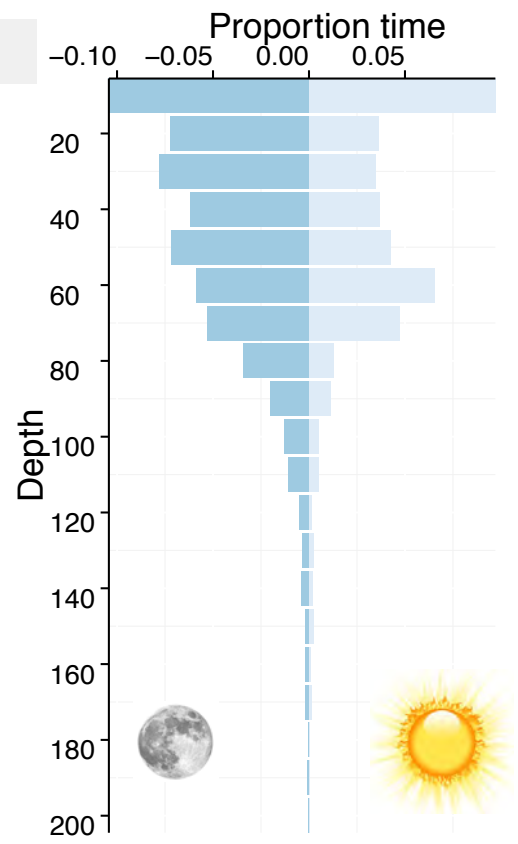


Fig. 4. Proportion of time the individual spent at different depths during the night (darker blue) and day (lighter blue).

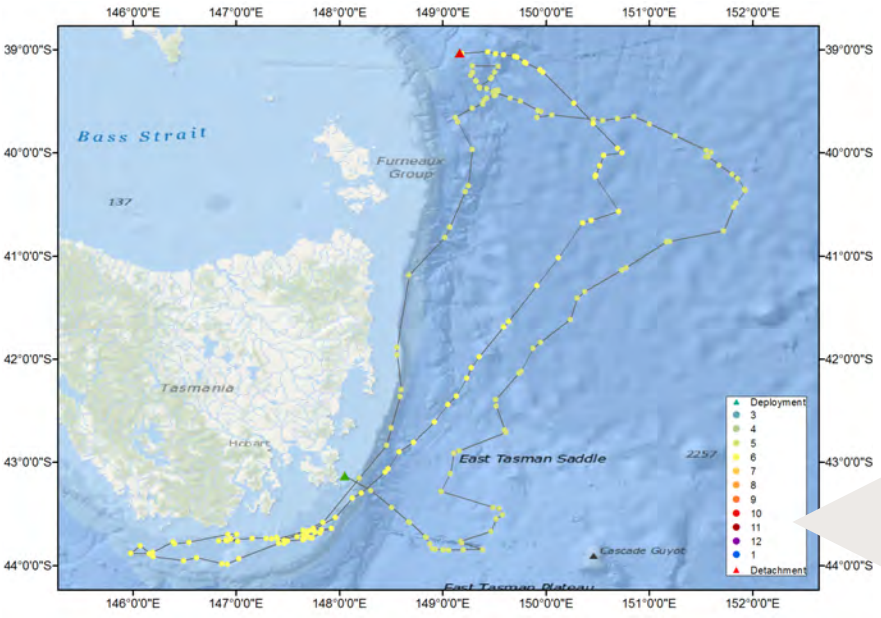


Fig. 5. The most probable track based on light, water temperature and depth based geo-location

<b>Tag ID</b>	121776
<b>Fate</b>	Mortality - seal predation at release
<b>Date range at liberty</b>	4 Mar 2013 - 8 Mar 2013
<b>Actual tag retention duration</b>	4 days
<b>Program tag retention duration</b>	180 days
<b>Tagging location</b>	Pedra Branca, TAS
<b>Tag detachment location</b>	South of Tasmania
<b>Fish (fork) length</b>	116 cm
<b>Estimated weight (L_W conv)*</b>	29 kg
<b>Hooking location</b>	Mouth hooked
<b>Hooking damage</b>	Minor mouth
<b>Hook/lure type</b>	skirted single J hook lure
<b>Fight time</b>	18 min 30 sec
<b>Processing time</b>	3 min 00 sec
<b>In water recovery time</b>	15 sec
<b>Release condition</b>	Low active
<b>Seal interaction time</b>	2 min 30 sec (at end of fight). Chased with minor tail bite immediately prior to landing.
<b>Comments</b>	Based on temperature profile, the tag was ingested by the seal. The seals dive behaviour was recorded for approximately 2 days. The tag was then passed or regurgitated. 24 hours later another mammal appears to have ingested the tag, again based on temperature for a period of several hours.



Fig. 1. Photo of the fish immediately after landing.



Fig. 2. Photo of the hooking location immediately after landing.



Fig. 3. Photo of minor tail damage received after seal bite.

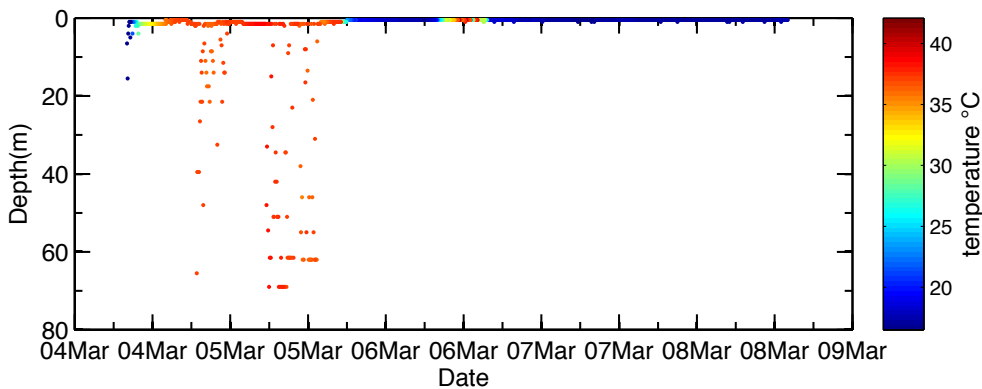


Fig. 4. Depth and temperature profile recorded by tag 121776

<b>Tag ID</b>	121777
<b>Fate</b>	Survived - Full term
<b>Date range at liberty</b>	4 Mar 2013 - 31 Aug 2013
<b>Actual tag retention duration</b>	180 days
<b>Program tag retention duration</b>	180 days
<b>Tagging location</b>	Pedra Branca, TAS
<b>Tag detachment location</b>	Off shelf break, adjacent to NSW
<b>Fish (fork) length</b>	123 cm
<b>Estimated weight (L_W conv)*</b>	34 kg
<b>Hooking location</b>	Mouth hooked
<b>Hooking damage</b>	Minor mouth
<b>Hook/lure type</b>	Hard body 2 treble hook lure
<b>Fight time</b>	6 min 28 sec
<b>Processing time</b>	2 min 53 sec
<b>In water recovery time</b>	25 sec
<b>Release condition</b>	Low active
<b>Seal interaction time</b>	NA
<b>Comments</b>	Severe damage on ventral surface of head from second treble hook.



Fig. 1. Photo of the fish immediately after landing.



Fig. 2. Photo of the hooking location immediately after landing.

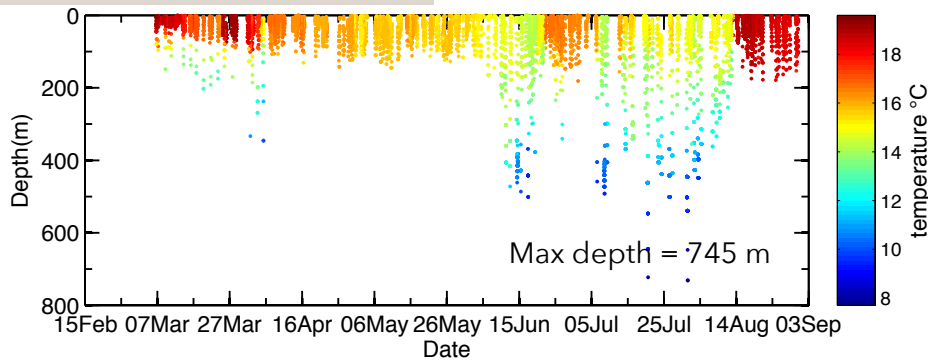


Fig. 3. Dive behaviour and temperatures for duration of tag deployment.

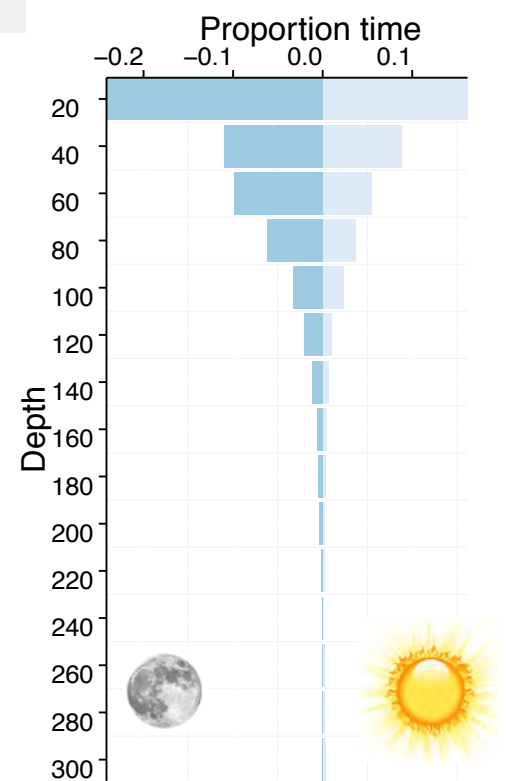


Fig. 4. Proportion of time the individual spent at different depths during the night (darker blue) and day (lighter blue).

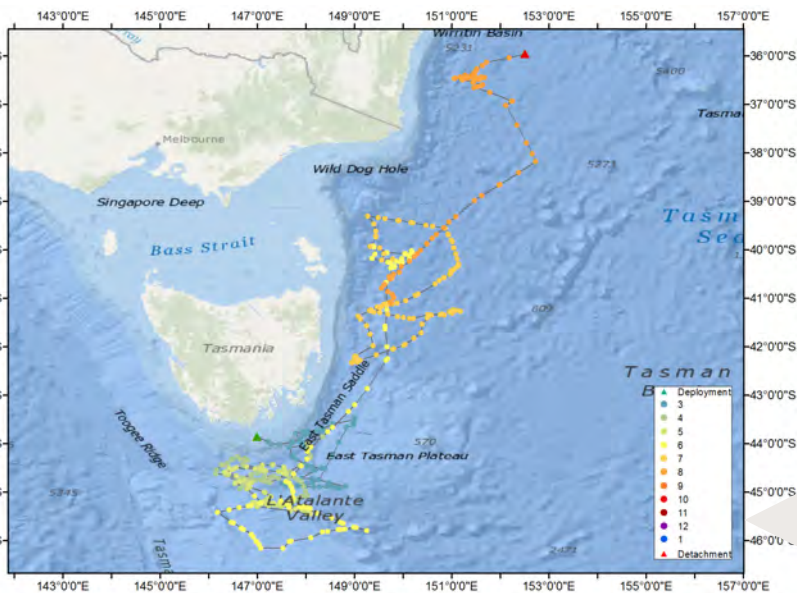


Fig. 5. The most probable track based on light, water temperature and depth based geo-location

Tag ID	121778
Fate	Survived - Full term
Date range at liberty	10 April 2013 - 7 October 2013
Actual tag retention duration	180 days
Program tag retention duration	180 days
Tagging location	Portland, VIC
Tag detachment location	South coast, WA
Fish (fork) length	106 cm
Estimated weight (L_W conv)*	22 kg
Hooking location	Mouth hooked
Hooking damage	Minor superficial
Hook/lure type	skirted single J hook lure
Fight time	10 min 12 sec
Processing time	2 min 1 sec
In water recovery time	9 sec
Release condition	Active
Seal interaction time	NA
Comments	NA



Fig. 1. Photo of the fish immediately after landing.



Fig. 2. Photo of the hooking location immediately after landing.

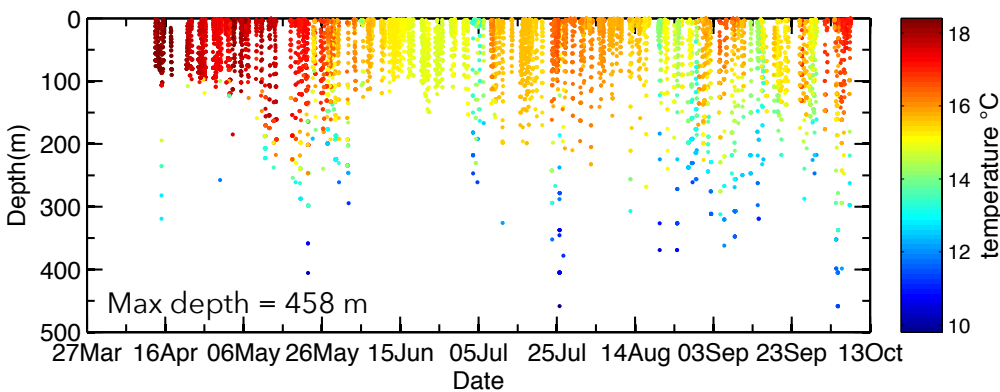


Fig. 3. Dive behaviour and temperatures for duration of tag deployment.

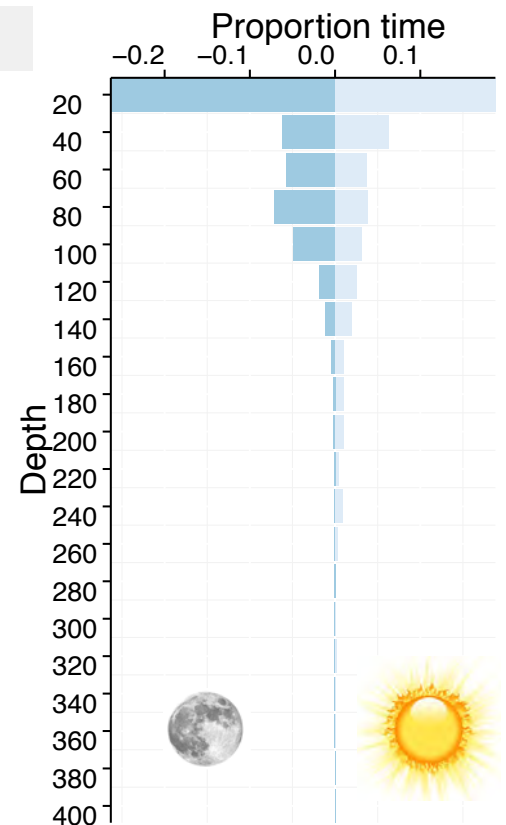


Fig. 4. Proportion of time the individual spent at different depths during the night (darker blue) and day (lighter blue).

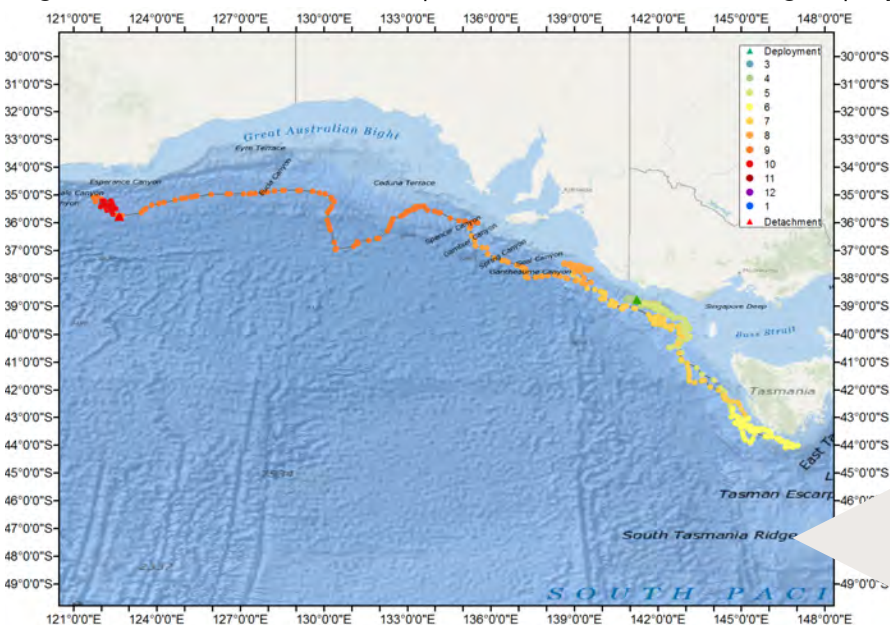


Fig. 5. The most probable track based on light, water temperature and depth based geo-location

<b>Tag ID</b>	121779
<b>Fate</b>	Mortality - catch induced
<b>Date range at liberty</b>	19 May 2013 - 31 May 2013
<b>Actual tag retention duration</b>	9 days (before mortality)
<b>Program tag retention duration</b>	180 days
<b>Tagging location</b>	Tasman Peninsula, TAS
<b>Tag detachment location</b>	Near release location
<b>Fish (fork) length</b>	110 cm
<b>Estimated weight (L_W conv)*</b>	24 kg
<b>Hooking location</b>	Mouth hooked
<b>Hooking damage</b>	Minor mouth
<b>Hook/lure type</b>	Hard body single J single treble lure
<b>Fight time</b>	6 min 24 sec
<b>Processing time</b>	2 min 31 sec
<b>In water recovery time</b>	99 sec
<b>Release condition</b>	Little activity
<b>Seal interaction time</b>	NA
<b>Comments</b>	Slow tail beats when released.



Fig. 1. Photo of the fish immediately after landing.

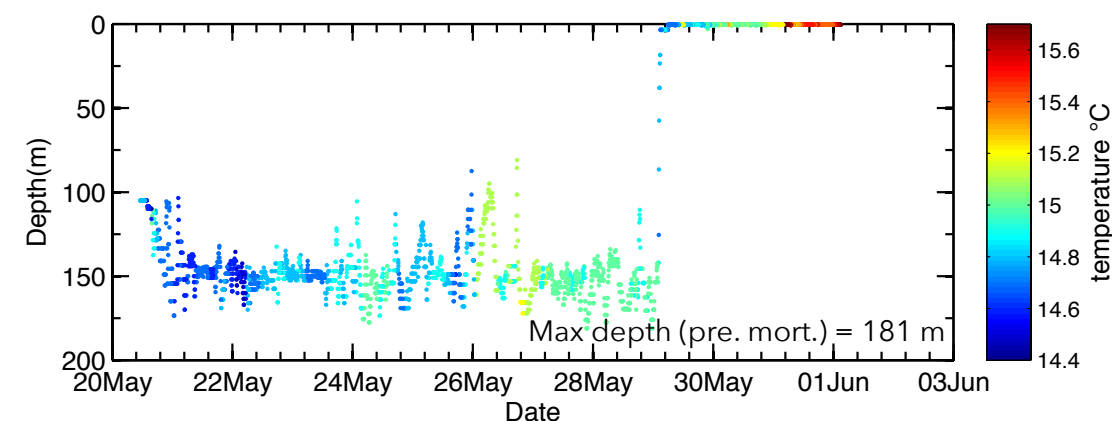


Fig. 2. Dive behaviour and temperatures for duration of tag deployment.

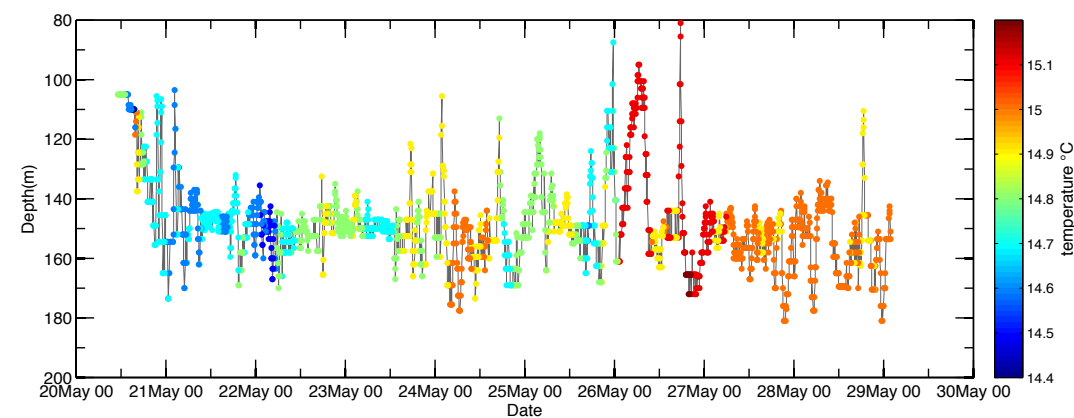


Fig. 3. Dive behaviour and temperatures prior to mortality.

Tag ID	121780
Fate	Survived - Premature release
Date range at liberty	4 Mar 2013 - 27 Aug 2013
Actual tag retention duration	176 days
Program tag retention duration	180 days
Tagging location	Pedra branca, TAS
Tag detachment location	East of Bass Strait
Fish (fork) length	112 cm
Estimated weight (L_W conv)*	26 kg
Hooking location	Mouth hooked
Hooking damage	Minor mouth
Hook/lure type	Hard body 2 treble hook lure
Fight time	8 min 18 sec
Processing time	2 min 00 sec
In water recovery time	0 sec
Release condition	Active
Seal interaction time	NA
Comments	NA



Fig. 1. Photo of the fish immediately after landing.



Fig. 2. Photo of the hooking location immediately after landing.

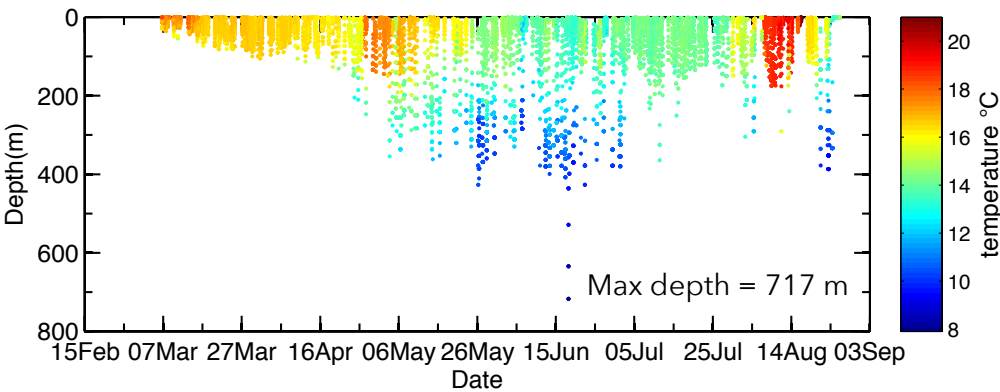


Fig. 3. Dive behaviour and temperatures for duration of tag deployment.

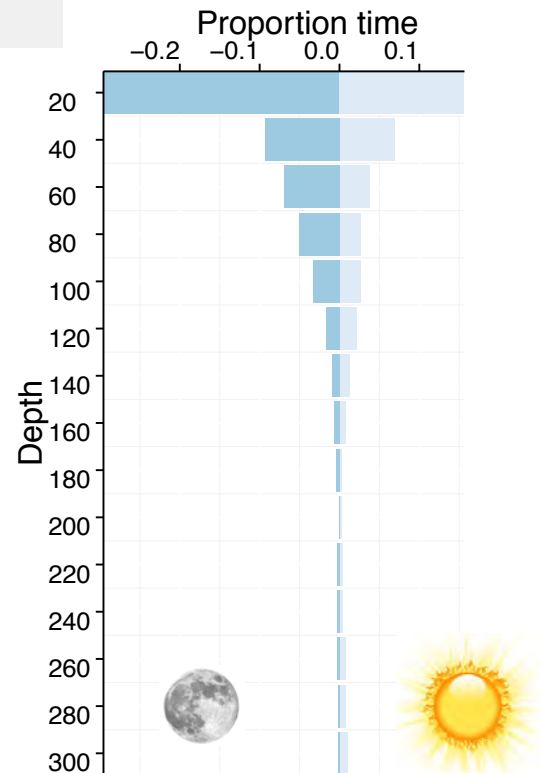


Fig. 4. Proportion of time the individual spent at different depths during the night (darker blue) and day (lighter blue).

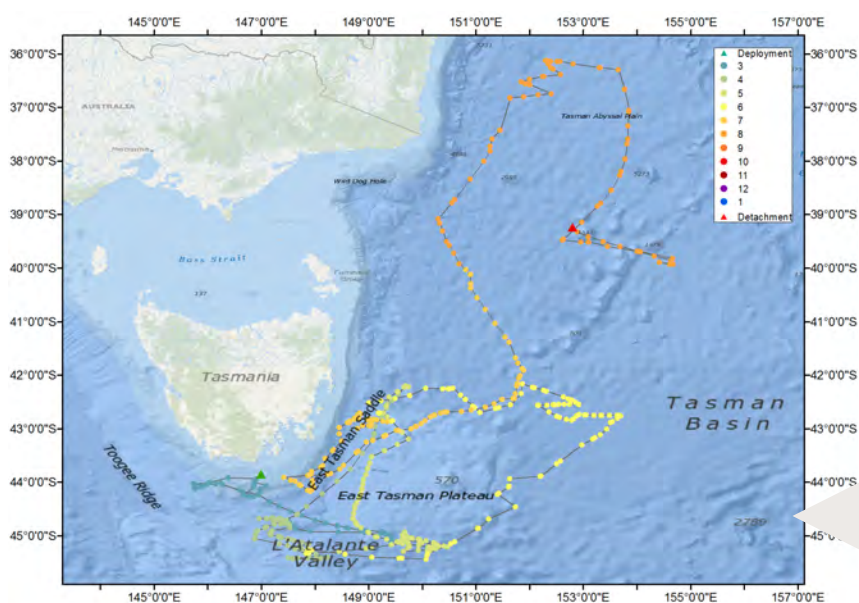


Fig. 5. The most probable track based on light, water temperature and depth based geo-location

<b>Tag ID</b>	121781
<b>Fate</b>	Mortality - natural/tag induced (Pred)
<b>Date range at liberty</b>	29 May 2013 - 25 Oct 2013
<b>Actual tag retention duration</b>	126 days
<b>Program tag retention duration</b>	180 days
<b>Tagging location</b>	Tasman Peninsula, TAS
<b>Tag detachment location</b>	Off shelf adjacent to Gabo Island
<b>Fish (fork) length</b>	91 cm
<b>Estimated weight (L_W conv)*</b>	13 kg
<b>Hooking location</b>	Mouth hooked
<b>Hooking damage</b>	Minor superficial
<b>Hook/lure type</b>	Skirted single J hook lure
<b>Fight time</b>	3 min 7 sec
<b>Processing time</b>	2 min 47 sec
<b>In water recovery time</b>	16 sec
<b>Release condition</b>	Low active
<b>Seal interaction time</b>	NA
<b>Comments</b>	Change in behaviour after 68 days. Mortality determined by tag sinking



Fig. 1. Photo of the fish immediately after landing.

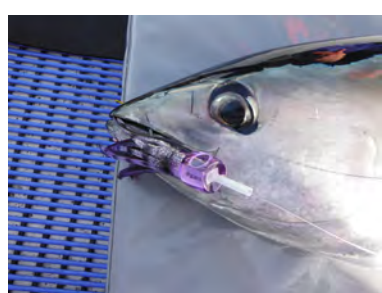


Fig. 2. Photo of the hooking location immediately after landing.

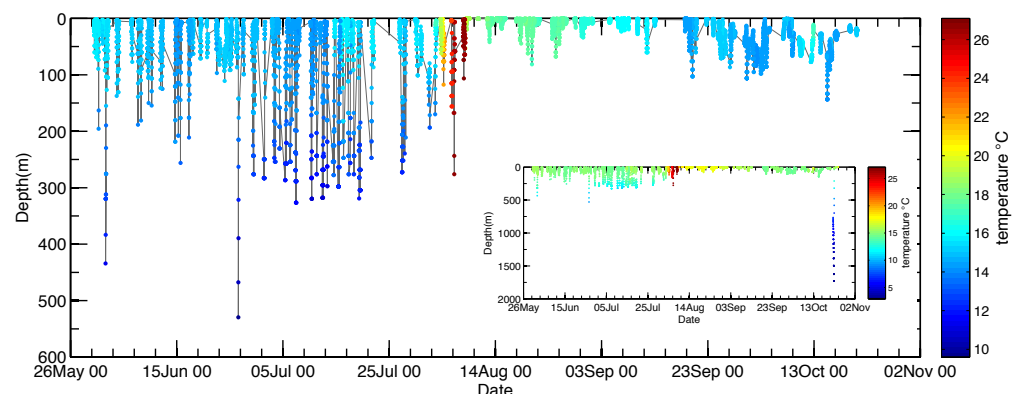


Fig. 3. Dive behaviour and temperatures for duration of tag deployment.

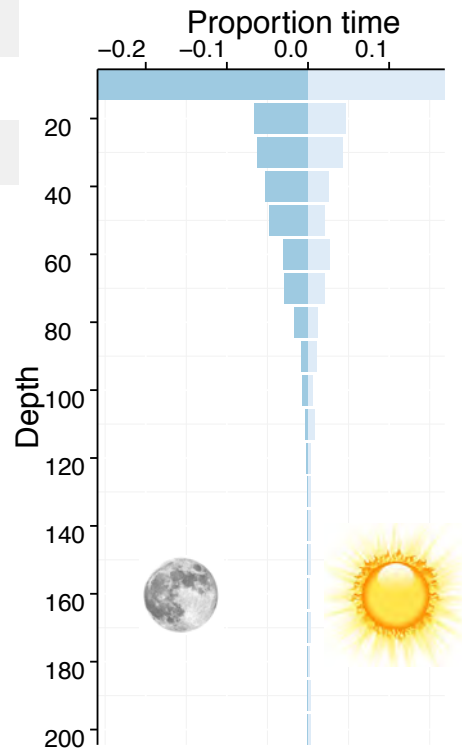


Fig. 4. Proportion of time the individual spent at different depths during the night (darker blue) and day (lighter blue).

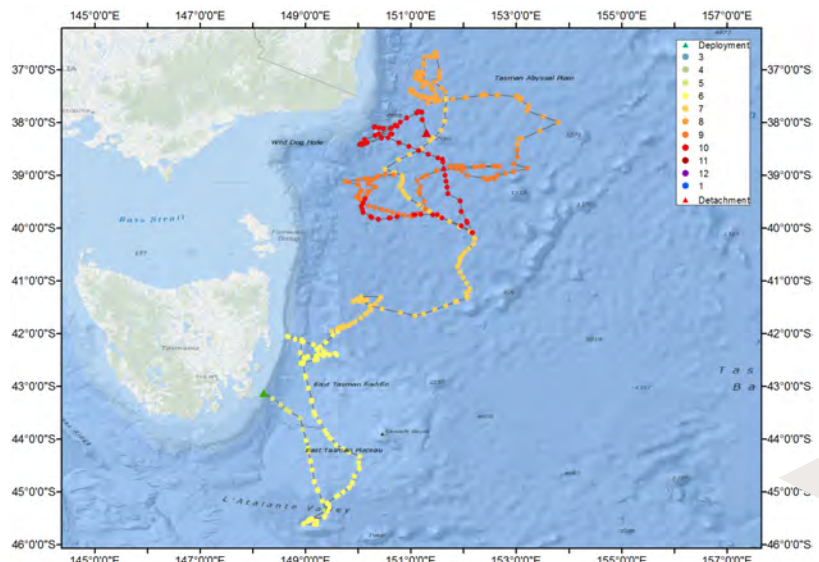


Fig. 5. The most probable track based on light, water temperature and depth based geo-location

Tag ID	121842
Fate	Survived - Premature release
Date range at liberty	10 May 2013 - 5 Oct 2013
Actual tag retention duration	148 days
Program tag retention duration	180 days
Tagging location	Portland, VIC
Tag detachment location	Kangaroo Island, SA
Fish (fork) length	90 cm
Estimated weight (L_W conv)*	13 kg
Hooking location	Mouth hooked
Hooking damage	Minor mouth
Hook/lure type	Skirted single J hook lure
Fight time	7 min 24 sec
Processing time	2 min 47 sec
In water recovery time	5 sec
Release condition	Active
Seal interaction time	NA
Comments	NA



Fig. 1. Photo of the fish immediately after landing.



Fig. 2. Photo of the hooking location immediately after landing.

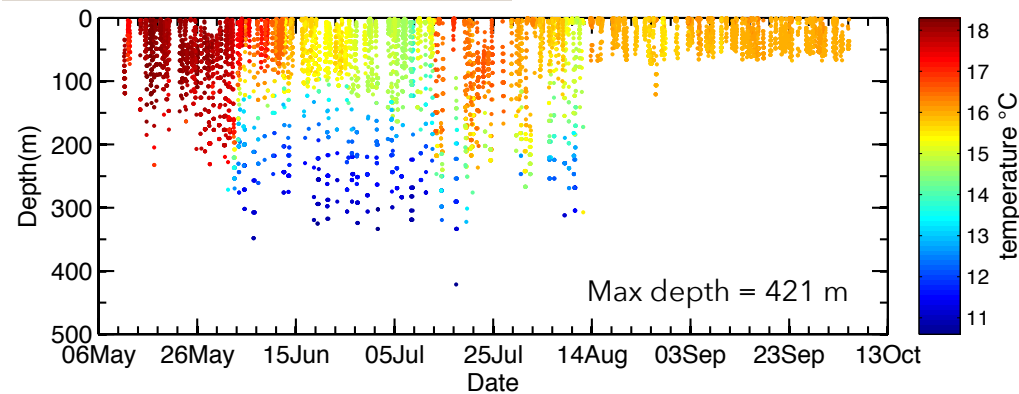


Fig. 3. Dive behaviour and temperatures for duration of tag deployment.

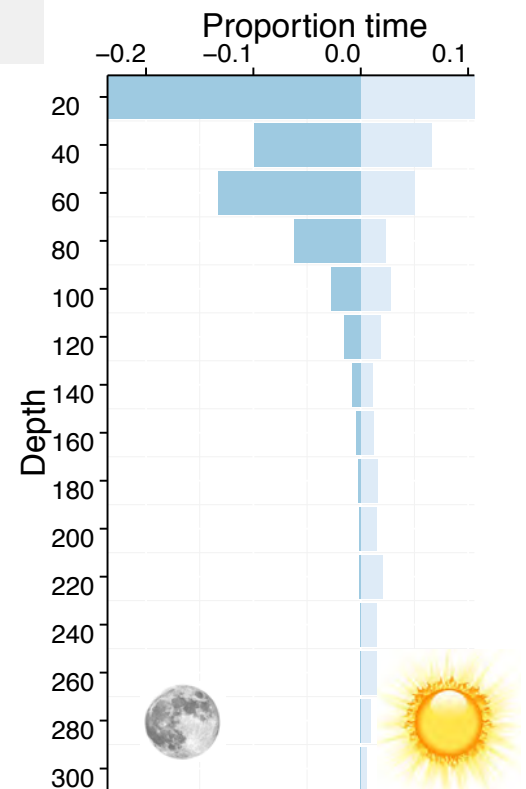


Fig. 4. Proportion of time the individual spent at different depths during the night (darker blue) and day (lighter blue).

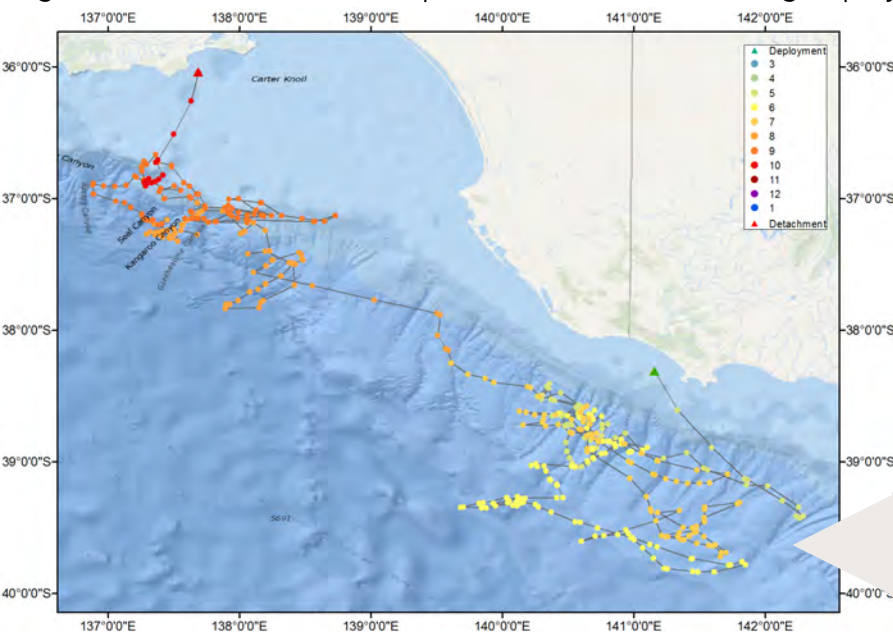


Fig. 5. The most probable track based on light, water temperature and depth based geo-location

<b>Tag ID</b>	128664
<b>Fate</b>	Mortality - Natural/tag induced
<b>Date range at liberty</b>	28 Jun 2013 - 23 Oct 2013
<b>Actual tag retention duration</b>	112 days
<b>Program tag retention duration</b>	180 days
<b>Tagging location</b>	Offshore Jervis Bay, NSW
<b>Tag detachment location</b>	Tasman Sea
<b>Fish (fork) length</b>	149 cm
<b>Estimated weight (L_W conv)*</b>	63 kg
<b>Hooking location</b>	Mouth hooked
<b>Hooking damage</b>	Minor mouth
<b>Hook/lure type</b>	Skirted single J hook lure
<b>Fight time</b>	18 min 53 sec
<b>Processing time</b>	3 min 50 sec
<b>In water recovery time</b>	0 sec
<b>Release condition</b>	Vigorous
<b>Seal interaction time</b>	NA
<b>Comments</b>	Mort. determined by tag sinking



Fig. 1. Photo of the fish immediately after landing.



Fig. 2. Photo of the hooking location immediately after landing.

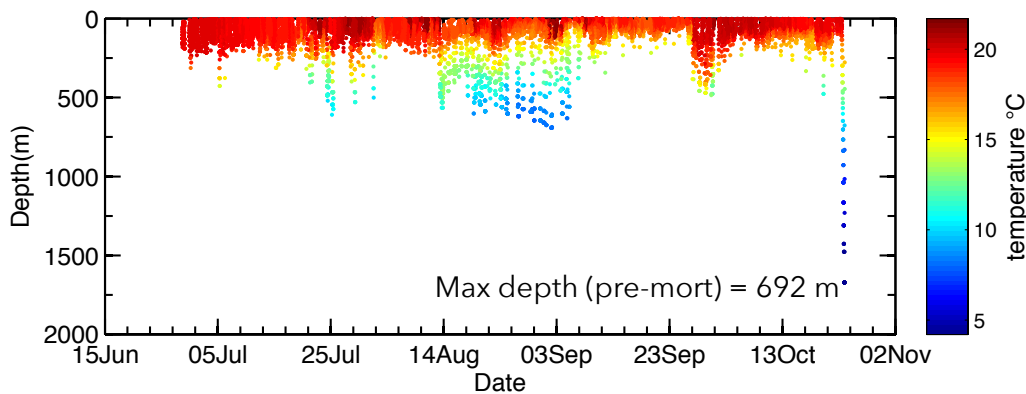


Fig. 3. Dive behaviour and temperatures for duration of tag deployment.

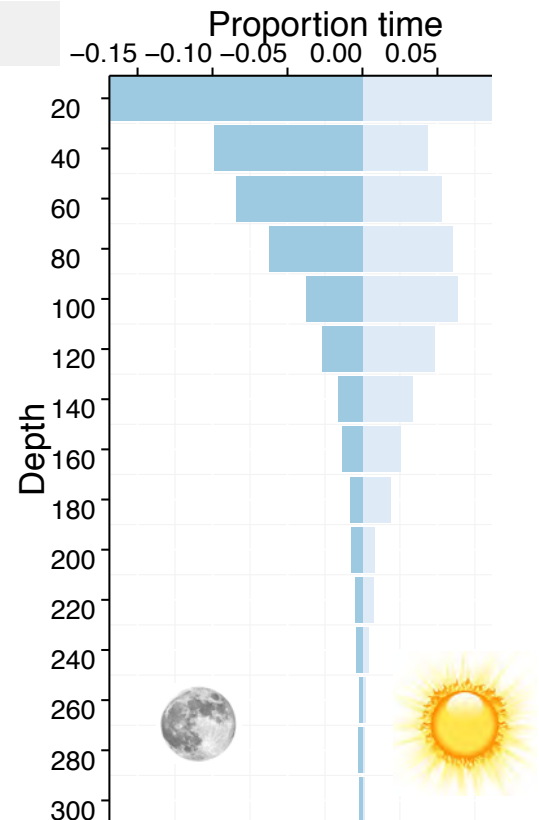


Fig. 4. Proportion of time the individual spent at different depths during the night (darker blue) and day (lighter blue).

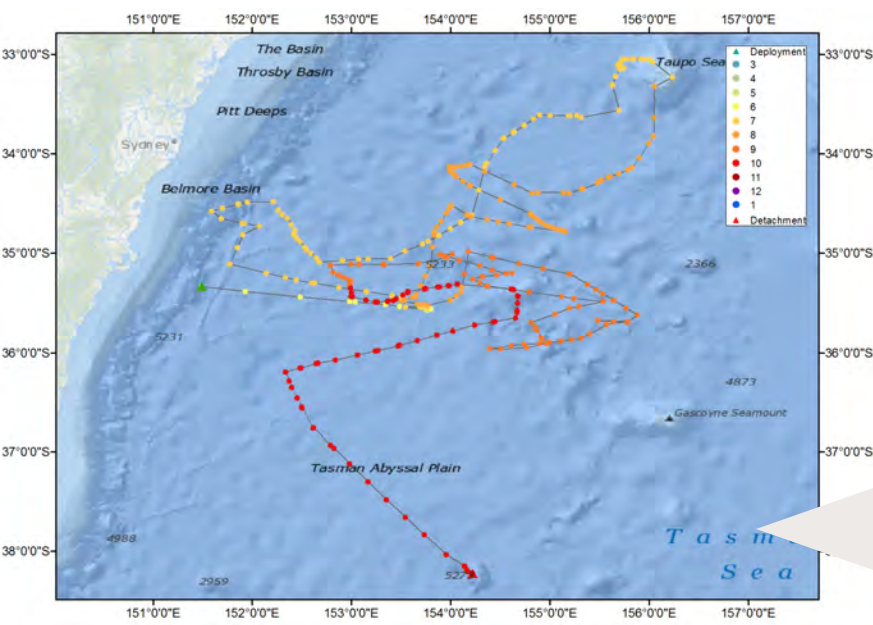


Fig. 5. The most probable track based on light, water temperature and depth based geo-location

<b>Tag ID</b>	128665
<b>Fate</b>	Survived - Premature release
<b>Date range at liberty</b>	21 Jun 2013 - 6 July 2013
<b>Actual tag retention duration</b>	15 days
<b>Program tag retention duration</b>	180 days
<b>Tagging location</b>	Pedra Branca, TAS
<b>Tag detachment location</b>	Tasmanian West coast
<b>Fish (fork) length</b>	91 cm
<b>Estimated weight (L_W conv)*</b>	13 kg
<b>Hooking location</b>	Mouth hooked
<b>Hooking damage</b>	Minor mouth
<b>Hook/lure type</b>	Skirted single J hook lure
<b>Fight time</b>	3 min 31 sec
<b>Processing time</b>	2 min 06 sec
<b>In water recovery time</b>	12 sec
<b>Release condition</b>	Active
<b>Seal interaction time</b>	NA
<b>Comments</b>	Detached close to shore. Very few satellite transmissions were received. It is presumed that the tag may have become trapped in dense kelp hindering transmission. Given that the tag was still diving to depths of 100 m prior to release we make the assumption that this was a survival - premature release.



Fig. 1. Photo of the fish immediately after landing.

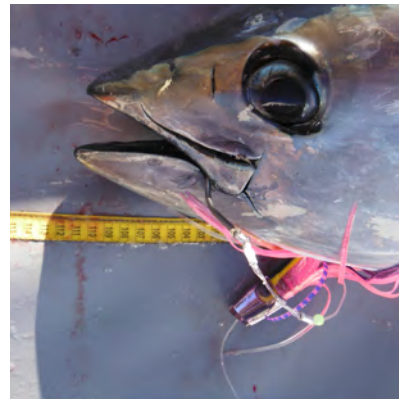


Fig. 2. Photo of the hooking location immediately after landing.

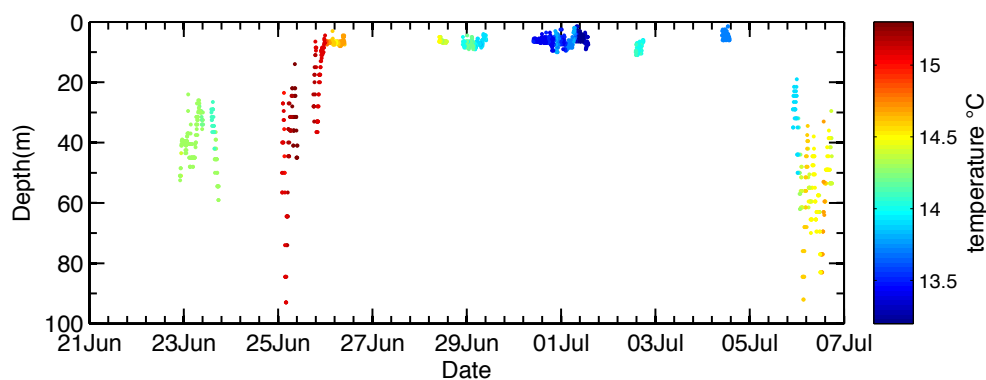


Fig. 3. Dive behaviour and temperatures for duration of tag deployment.

Tag ID	128666
Fate	Survived - Full term
Date range at liberty	1 May 2013 - 28 Oct 2013
Actual tag retention duration	180 days
Program tag retention duration	180 days
Tagging location	Tasman Peninsula, TAS
Tag detachment location	Tasman Sea, adjacent to Tasmania
Fish (fork) length	102 cm
Estimated weight (L_W conv)*	19 kg
Hooking location	Mouth hooked
Hooking damage	Minor mouth
Hook/lure type	skirted single J hook lure
Fight time	5 min 20 sec
Processing time	3 min 22 sec
In water recovery time	7 sec
Release condition	Active
Seal interaction time	NA
Comments	NA



Fig. 1. Photo of the fish immediately after landing.



Fig. 2. Photo of the hooking location immediately after landing.

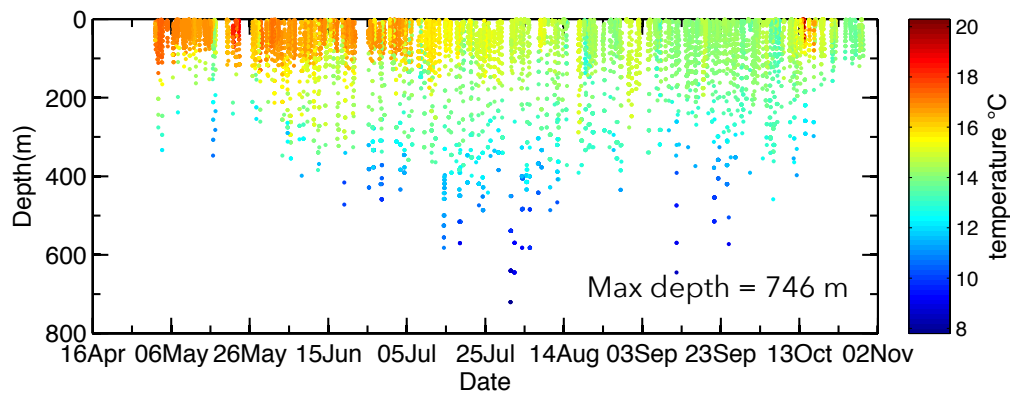


Fig. 3. Dive behaviour and temperatures for duration of tag deployment.

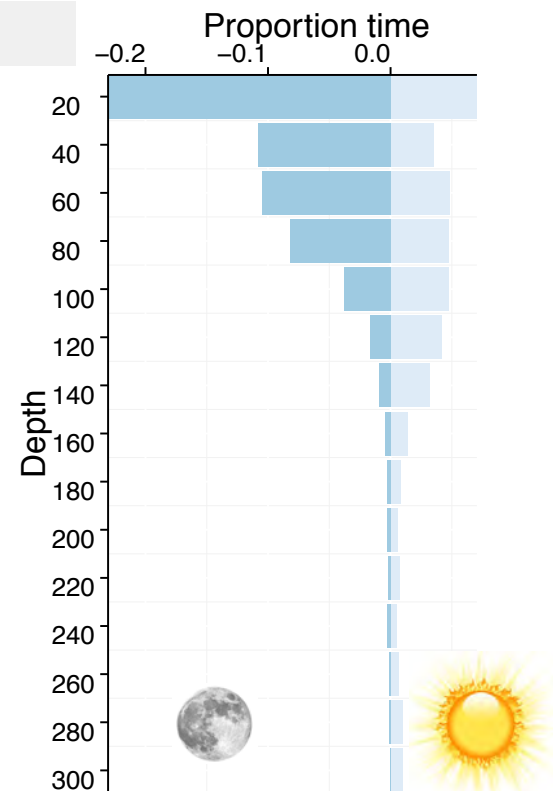


Fig. 4. Proportion of time the individual spent at different depths during the night (darker blue) and day (lighter blue).

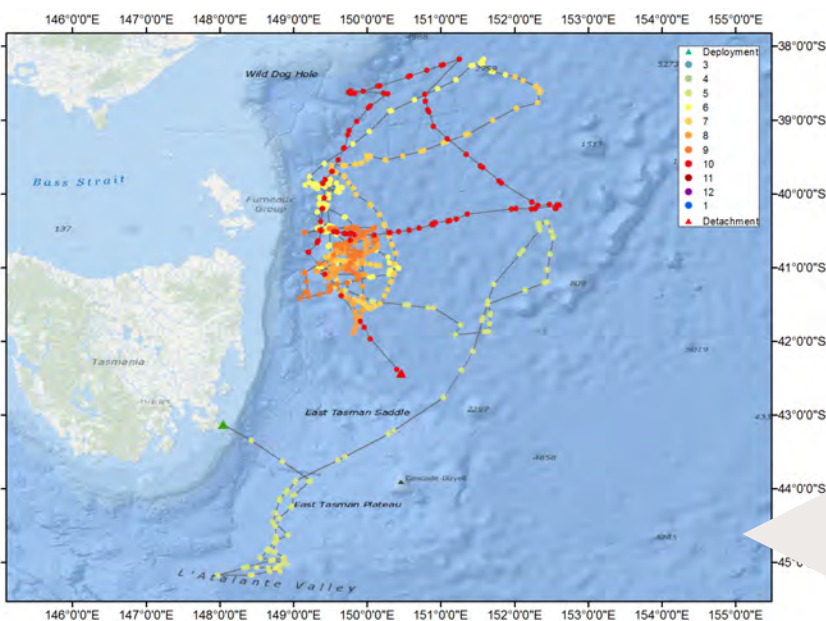


Fig. 5. The most probable track based on light, water temperature and depth based geo-location

<b>Tag ID</b>	128667
<b>Fate</b>	Mortality - catch induced
<b>Date range at liberty</b>	29 Jun 2013 - 29 July 2013
<b>Actual tag duration</b>	30 days (mortality 10 hours after release)
<b>Program tag retention duration</b>	180 days
<b>Tagging location</b>	Offshore Jervis Bay, NSW
<b>Tag detachment location</b>	Tasman Sea adjacent to Jervis Bay
<b>Fish (fork) length</b>	131 cm
<b>Estimated weight (L_W conv)*</b>	41 kg
<b>Hooking location</b>	Mouth hooked
<b>Hooking damage</b>	Minor mouth
<b>Hook/lure type</b>	Hard body single J hook lure
<b>Fight time</b>	25 min 23 sec
<b>Processing time</b>	2 min 03 sec
<b>In water recovery time</b>	4 sec
<b>Release condition</b>	Active
<b>Seal interaction time</b>	NA
<b>Comments</b>	Gently mouth gaffed to bring aboard.



Fig. 1. Photo of the fish immediately after landing.



Fig. 2. Photo of the hooking location immediately after landing.

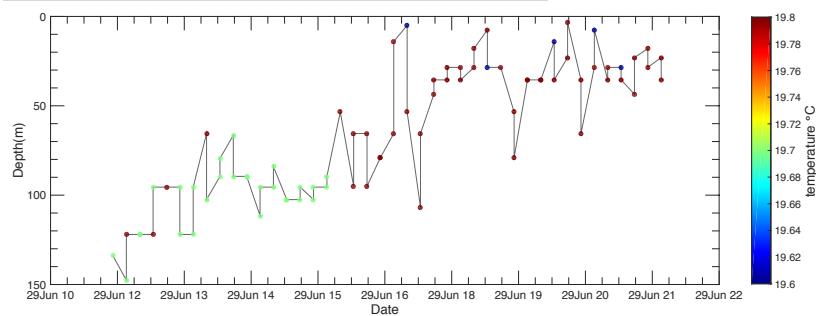


Fig. 3. Dive behaviour before tag descends to 1500 m

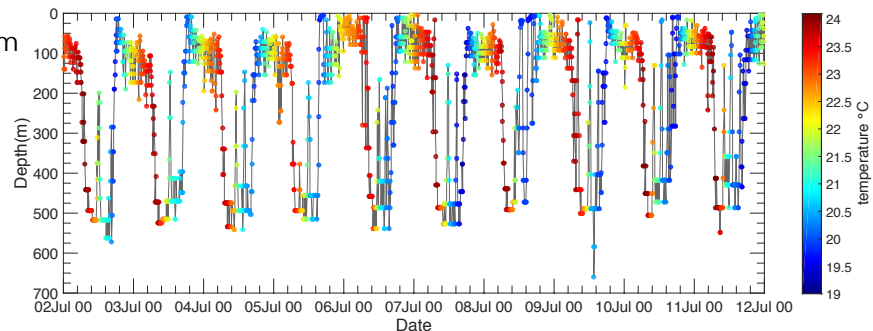


Fig. 4. Typical dive behaviour of 'predator'.

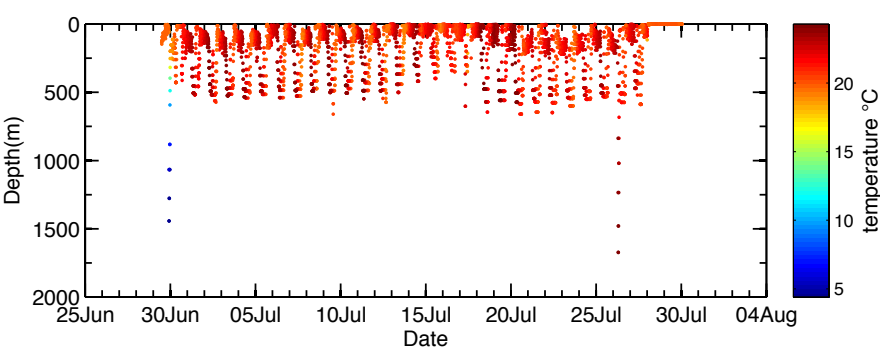


Fig. 5. Tag data for duration of tag deployment.

Tag ID	128668
Fate	Survived - Premature release
Date range at liberty	8 May 2013 - 12 Aug 2013
Actual tag retention duration	89 days
Program tag retention duration	180 days
Tagging location	Pedra Branca, TAS
Tag detachment location	West of King Island
Fish (fork) length	114 cm
Estimated weight (L_W conv)*	27 kg
Hooking location	Mouth hooked
Hooking damage	Minor mouth
Hook/lure type	hard body two J hook lure
Fight time	4 min 32 sec
Processing time	2 min 03 sec
In water recovery time	20 sec
Release condition	Active
Seal interaction time	NA
Comments	NA



Fig. 1. Photo of the fish immediately after landing.



Fig. 2. Photo of the hooking location immediately after landing.

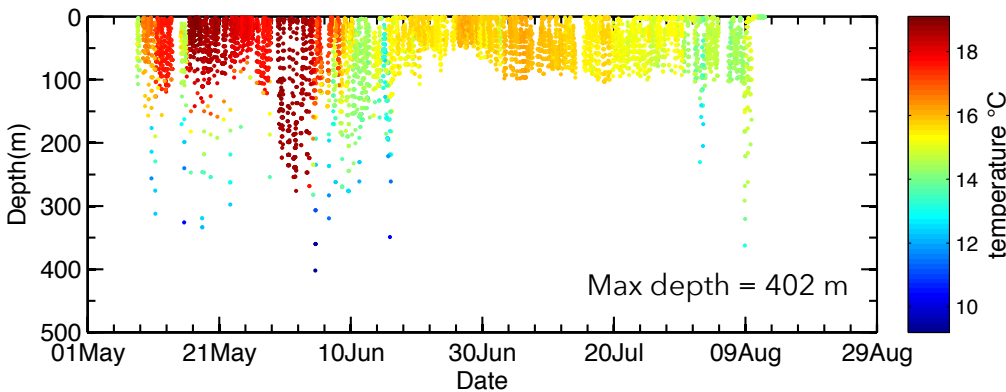


Fig. 3. Dive behaviour and temperatures for duration of tag deployment.

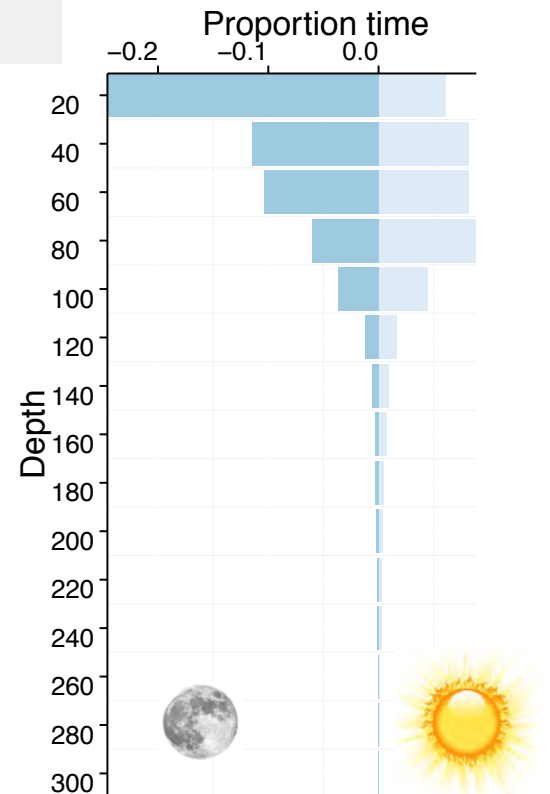


Fig. 4. Proportion of time the individual spent at different depths during the night (darker blue) and day (lighter blue).

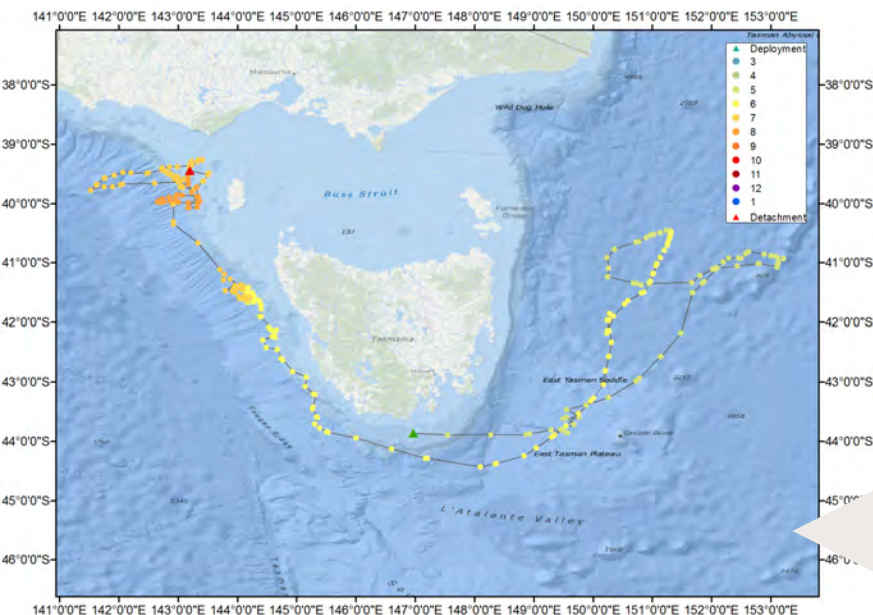


Fig. 5. The most probable track based on light, water temperature and depth based geo-location

<b>Tag ID</b>	128669
<b>Fate</b>	Mortality - catch induced
<b>Date range at liberty</b>	2 Apr 2014 - 4 Apr 2014
<b>Actual tag retention duration</b>	2 days (5 hours to mortality)
<b>Program tag retention duration</b>	180 days
<b>Tagging location</b>	Portland, VIC
<b>Tag detachment location</b>	Near tagging site
<b>Fish (fork) length</b>	104 cm
<b>Estimated weight (L_W conv)*</b>	20 kg
<b>Hooking location</b>	Mouth hooked
<b>Hooking damage</b>	Minor superficial
<b>Hook/lure type</b>	Hard body single J hook lure
<b>Fight time</b>	5 min 17 sec
<b>Processing time</b>	2 min 00 sec
<b>In water recovery time</b>	Speared in
<b>Release condition</b>	Active
<b>Seal interaction time</b>	NA
<b>Comments</b>	Mortality determined by tag sinking.



Fig. 1. Photo of the fish immediately after landing.



Fig. 2. Photo of the hooking location immediately after landing.

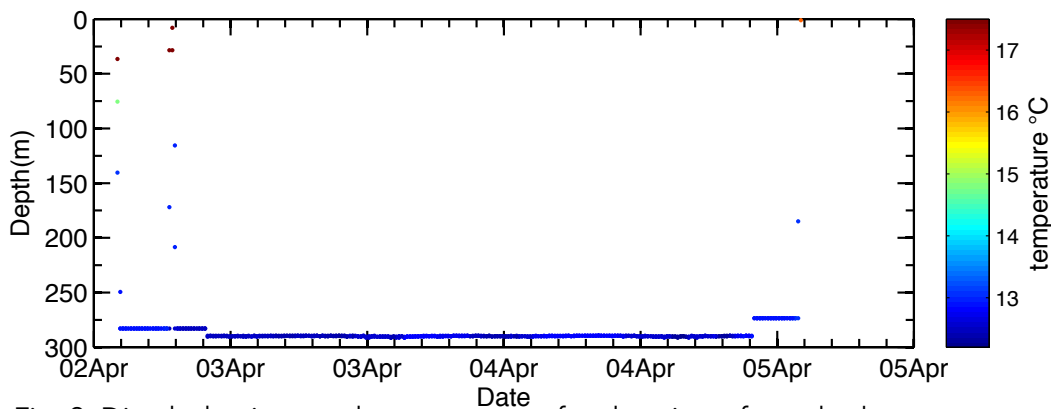
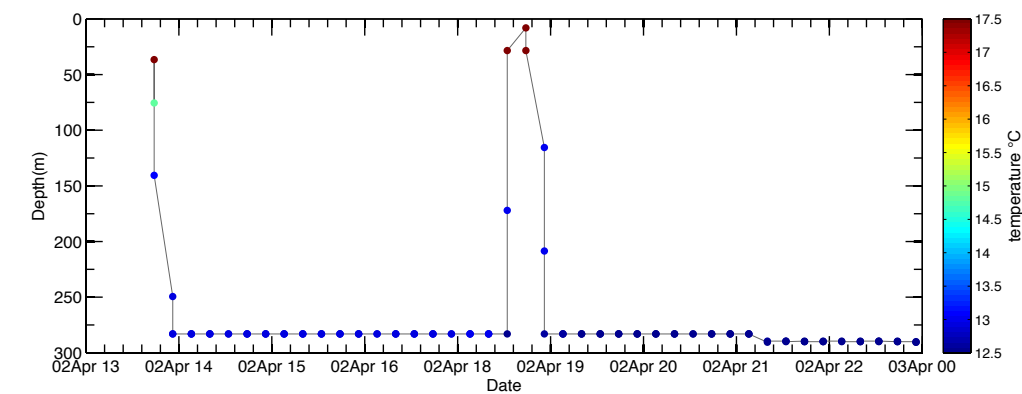


Fig. 3. Dive behaviour and temperatures for duration of tag deployment.



<b>Tag ID</b>	128670 (George)
<b>Fate</b>	Survived - Premature release
<b>Date range at liberty</b>	28 Jun 2013 - 4 Oct 2013
<b>Actual tag retention duration</b>	100 days
<b>Program tag retention duration</b>	180 days
<b>Tagging location</b>	Offshore Jervis Bay, NSW
<b>Tag detachment location</b>	Tasman Sea adjacent to Tasmania
<b>Fish (fork) length</b>	135 cm
<b>Estimated weight (L_W conv)*</b>	46 kg
<b>Hooking location</b>	Mouth hooked
<b>Hooking damage</b>	Minor mouth
<b>Hook/lure type</b>	hard body two J hook lure
<b>Fight time</b>	21 min 26 sec
<b>Processing time</b>	2 min 34 sec
<b>In water recovery time</b>	9 sec
<b>Release condition</b>	Active
<b>Seal interaction time</b>	NA
<b>Comments</b>	Rod passed from George Lirantzis



Fig. 1. Photo of the fish immediately after landing.

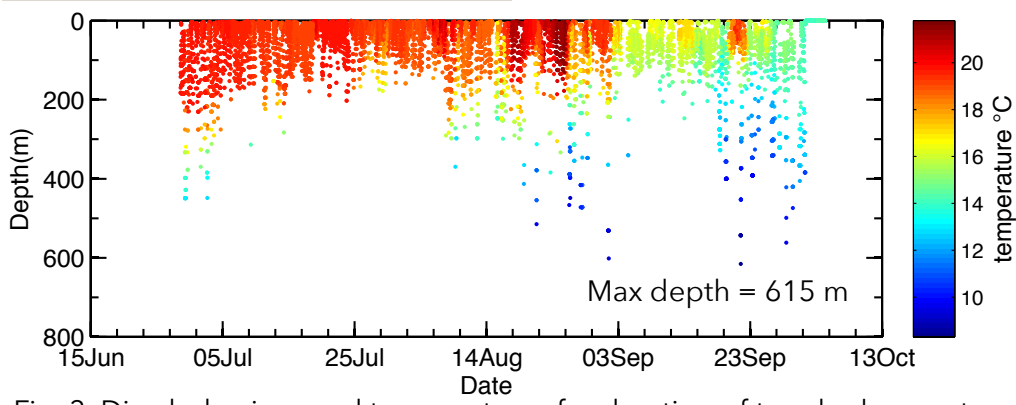


Fig. 3. Dive behaviour and temperatures for duration of tag deployment.

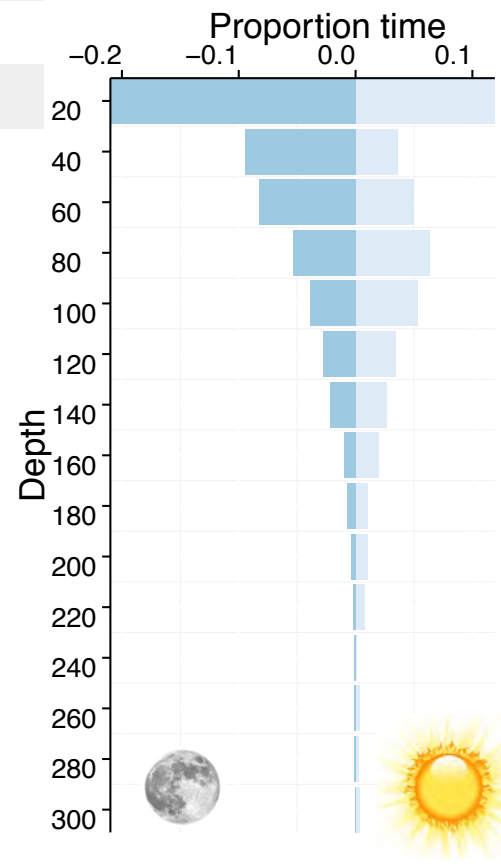


Fig. 4. Proportion of time the individual spent at different depths during the night (darker blue) and day (lighter blue).

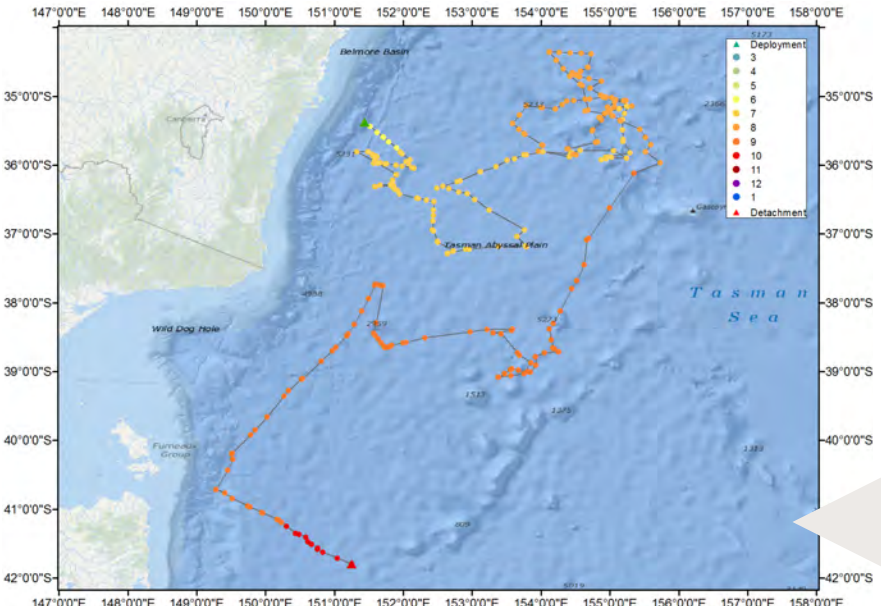


Fig. 5. The most probable track based on light, water temperature and depth based geo-location

<b>Tag ID</b>	128671
<b>Fate</b>	Survived - Premature release
<b>Date range at liberty</b>	20 Jun 2013 - 1 Nov 2013
<b>Actual tag retention duration</b>	131 days
<b>Program tag retention duration</b>	180 days
<b>Tagging location</b>	Pedra Branca, TAS
<b>Tag detachment location</b>	North west coast of Tasmania
<b>Fish (fork) length</b>	92 cm
<b>Estimated weight (L_W conv)*</b>	14 kg
<b>Hooking location</b>	Mouth hooked
<b>Hooking damage</b>	Minor mouth
<b>Hook/lure type</b>	skirted single J hook lure
<b>Fight time</b>	3 min 57 sec
<b>Processing time</b>	1 min 31 sec
<b>In water recovery time</b>	5 sec
<b>Release condition</b>	Active
<b>Seal interaction time</b>	NA
<b>Comments</b>	NA



Fig. 1. Photo of the fish immediately after landing.



Fig. 2. Photo of the hooking location immediately after landing.

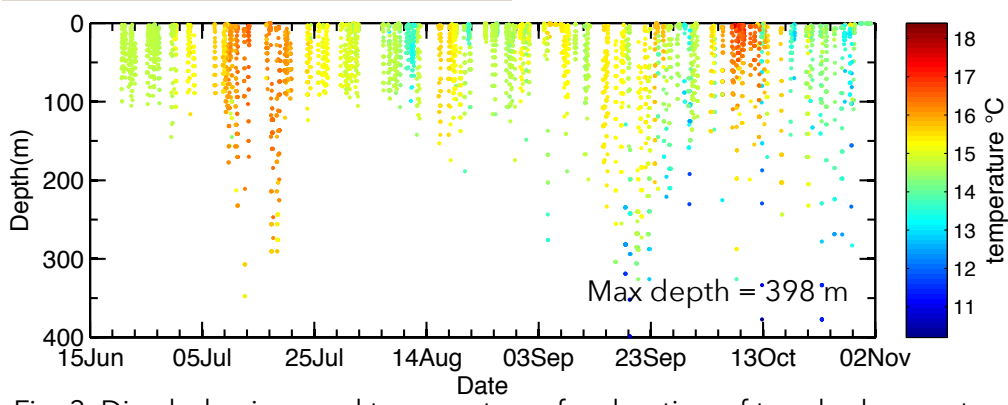


Fig. 3. Dive behaviour and temperatures for duration of tag deployment.

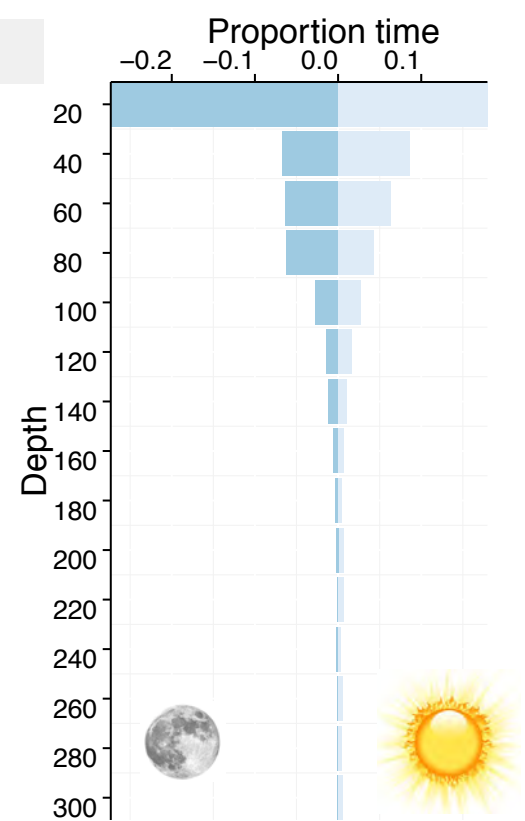


Fig. 4. Proportion of time the individual spent at different depths during the night (darker blue) and day (lighter blue).

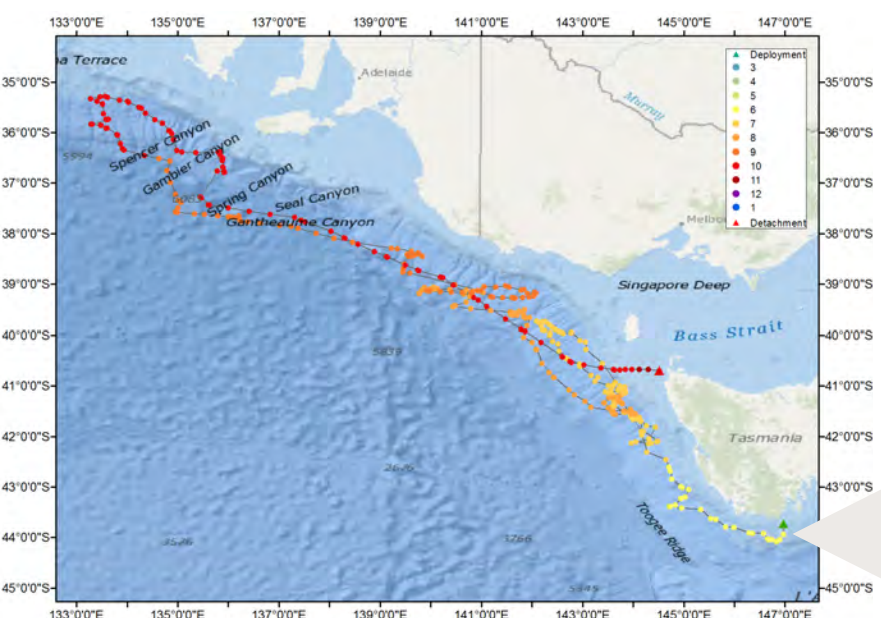


Fig. 5. The most probable track based on light, water temperature and depth based geo-location

Tag ID	128672
Fate	Survived - Premature release
Date range at liberty	12 Jul 2013 - 20 Dec 2013
Actual tag retention duration	154 days
Program tag retention duration	180 days
Tagging location	Offshore Sydney, NSW
Tag detachment location	South coast of Tasmania
Fish (fork) length	138 cm
Estimated weight (L_W conv)*	49 kg
Hooking location	Mouth hooked
Hooking damage	Minor mouth
Hook/lure type	stickbait single J hook lure
Fight time	7 min 4 sec
Processing time	1 min 54 sec
In water recovery time	8 sec
Release condition	Active
Seal interaction time	NA
Comments	NA



Fig. 1. Photo of the fish immediately after landing.



Fig. 2. Photo of the hooking location immediately after landing.

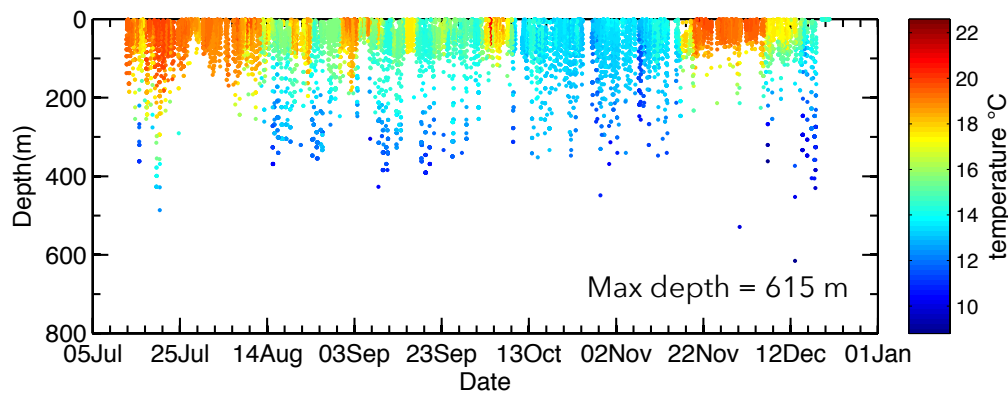


Fig. 3. Dive behaviour and temperatures for duration of tag deployment.

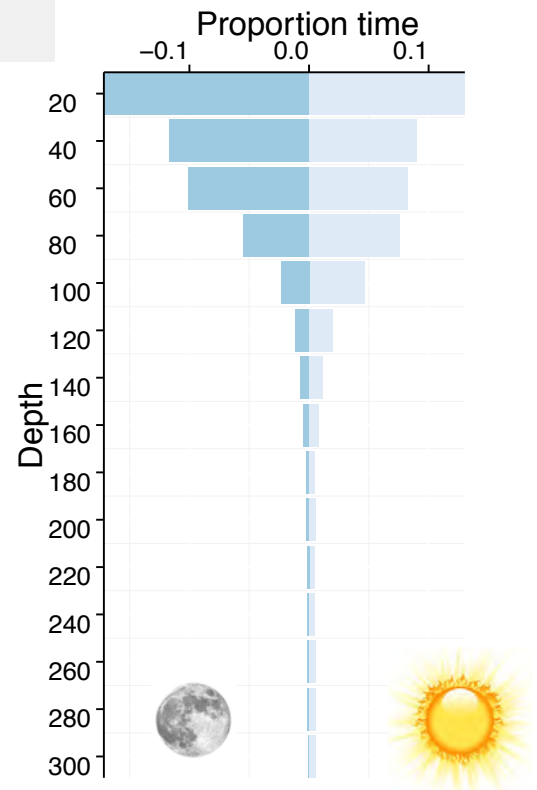


Fig. 4. Proportion of time the individual spent at different depths during the night (darker blue) and day (lighter blue).

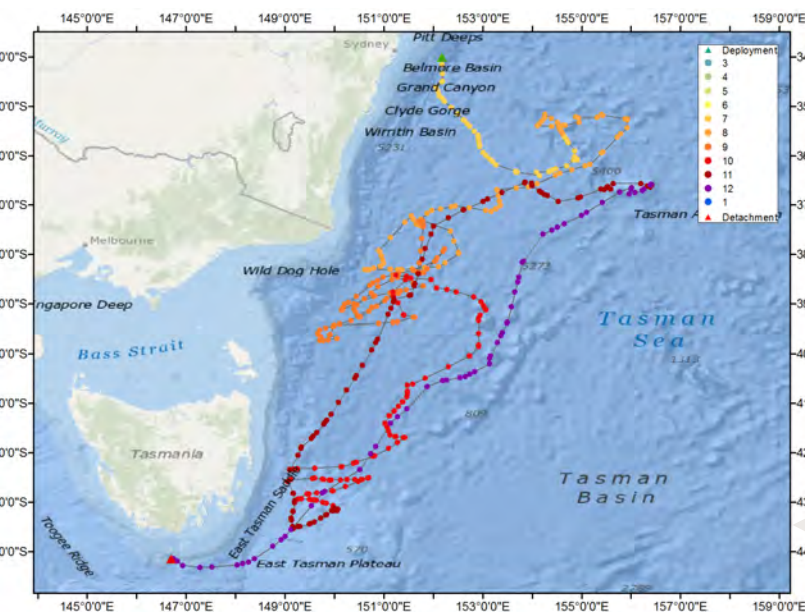


Fig. 5. The most probable track based on light, water temperature and depth based geo-location

<b>Tag ID</b>	128674
<b>Fate</b>	Survived - Premature release
<b>Date range at liberty</b>	20 Jun 2013 - 21 Aug 2013
<b>Actual tag retention duration</b>	62 days
<b>Program tag retention duration</b>	180 days
<b>Tagging location</b>	Pedra Branca, TAS
<b>Tag detachment location</b>	Tasman Sea adjacent to Tasmania
<b>Fish (fork) length</b>	94 cm
<b>Estimated weight (L_W conv)*</b>	15 kg
<b>Hooking location</b>	Mouth hooked
<b>Hooking damage</b>	Minor mouth
<b>Hook/lure type</b>	hard body double J hook lure
<b>Fight time</b>	1 min 34 sec
<b>Processing time</b>	2 min 00 sec
<b>In water recovery time</b>	10 sec
<b>Release condition</b>	Active
<b>Seal interaction time</b>	NA
<b>Comments</b>	deep mouth hook, no obvious damage



Fig. 1. Photo of the fish immediately after landing.



Fig. 2. Photo of the hooking location immediately after landing.

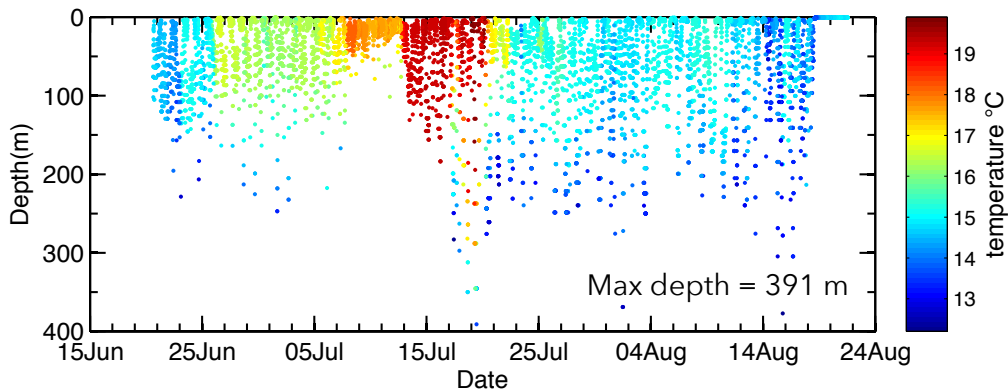


Fig. 3. Dive behaviour and temperatures for duration of tag deployment.

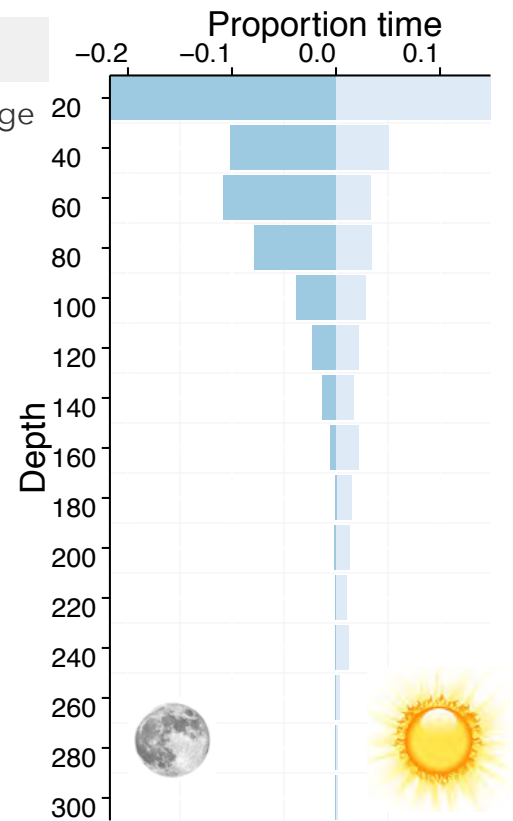


Fig. 4. Proportion of time the individual spent at different depths during the night (darker blue) and day (lighter blue).

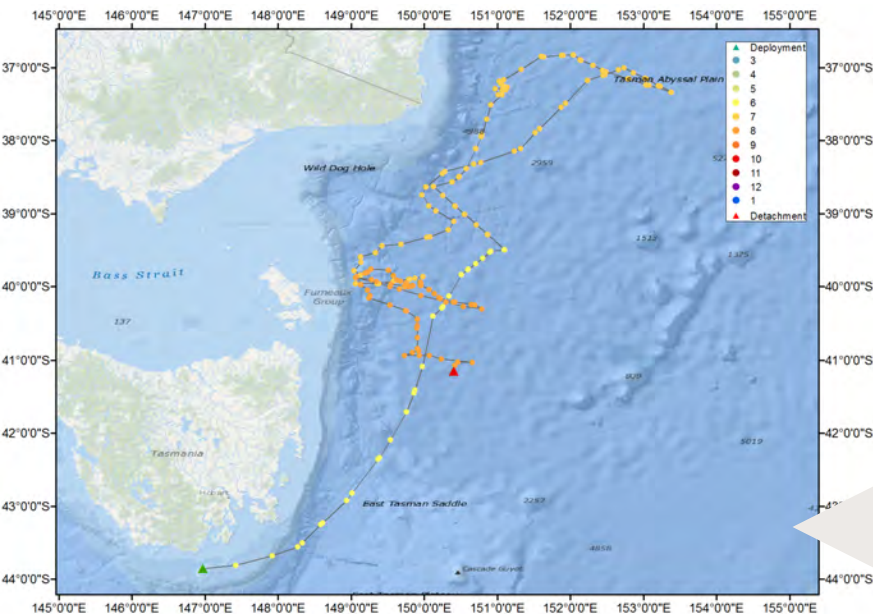


Fig. 5. The most probable track based on light, water temperature and depth based geo-location

Tag ID

128675

Fate	Survived - Premature release
Date range at liberty	12 Jul 2013 - 8 Dec 2013
Actual tag retention duration	150 days
Program tag retention duration	180 days
Tagging location	Offshore Sydney, NSW
Tag detachment location	East coast of New Zealand
Fish (fork) length	130 cm
Estimated weight (L_W conv)*	40 kg
Hooking location	Mouth hooked
Hooking damage	Minor mouth
Hook/lure type	Baited circle hook
Fight time	5 min 28 sec
Processing time	2 min 12 sec
In water recovery time	10 sec
Release condition	Active
Seal interaction time	NA
Comments	NA



Fig. 1. Photo of the fish immediately after landing.



Fig. 2. Photo of the hooking location immediately after landing.

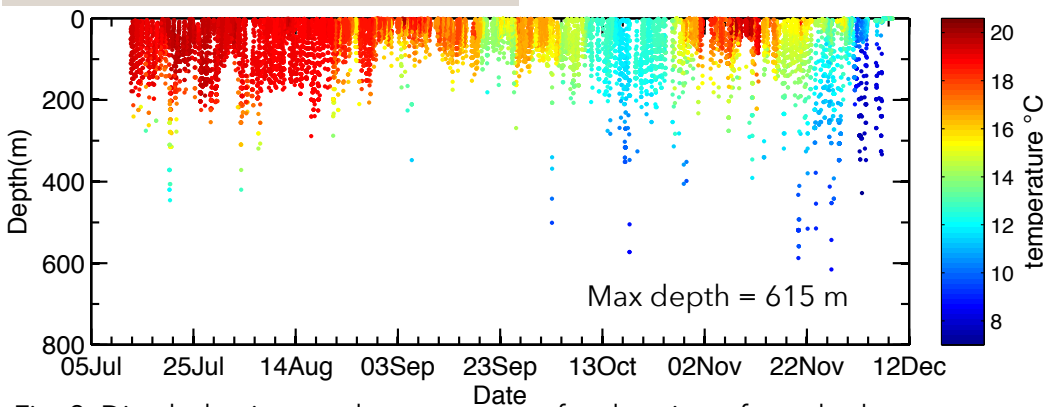


Fig. 3. Dive behaviour and temperatures for duration of tag deployment.

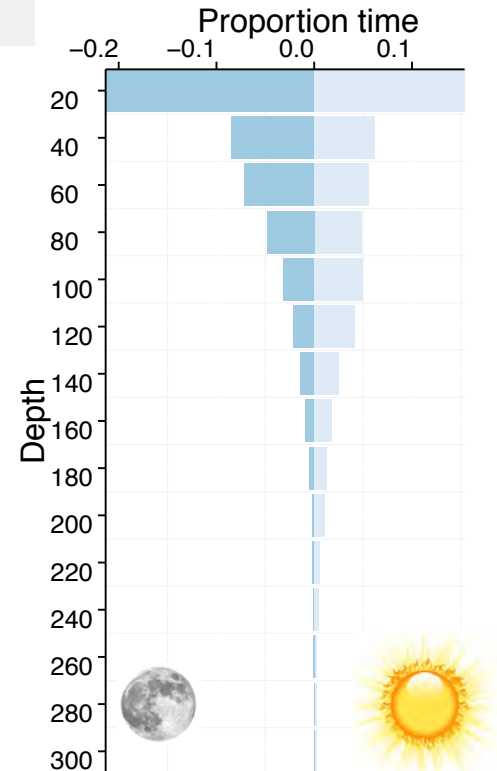


Fig. 4. Proportion of time the individual spent at different depths during the night (darker blue) and day (lighter blue).

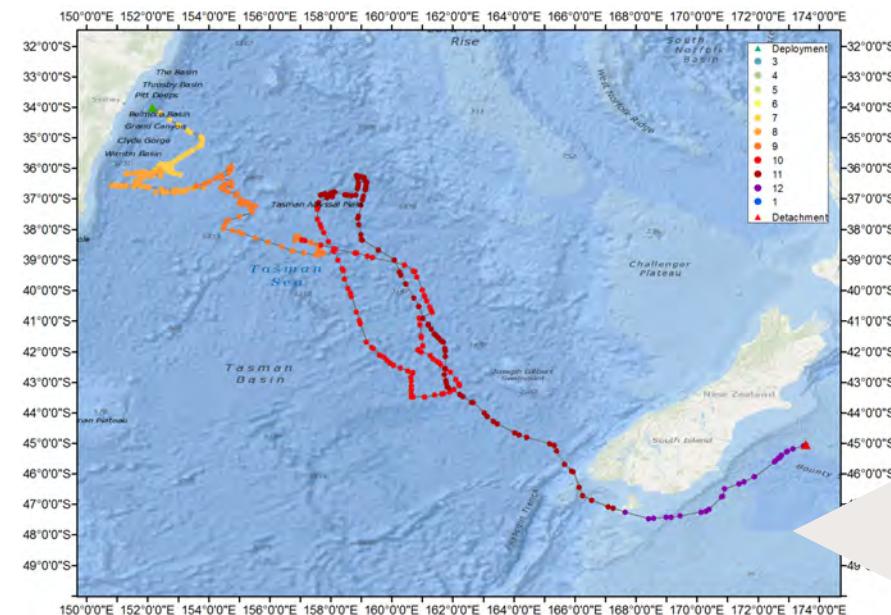


Fig. 5. The most probable track based on light, water temperature and depth based geo-location

<b>Tag ID</b>	128676
<b>Fate</b>	Survived - Premature release
<b>Date range at liberty</b>	2 Apr 2013 - 14 Apr 2013
<b>Actual tag retention duration</b>	13 days
<b>Program tag retention duration</b>	180 days
<b>Tagging location</b>	Portland, VIC
<b>Tag detachment location</b>	West of King Island, TAS
<b>Fish (fork) length</b>	98 cm
<b>Estimated weight (L_W conv)*</b>	17 kg
<b>Hooking location</b>	Mouth hooked
<b>Hooking damage</b>	Minor mouth
<b>Hook/lure type</b>	Skirted single J hook lure
<b>Fight time</b>	9 min 47 sec
<b>Processing time</b>	1 min 35 sec
<b>In water recovery time</b>	Speared in
<b>Release condition</b>	Low active
<b>Seal interaction time</b>	NA
<b>Comments</b>	NA



Fig. 1. Photo of the fish immediately after landing.



Fig. 2. Photo of the hooking location immediately after landing.

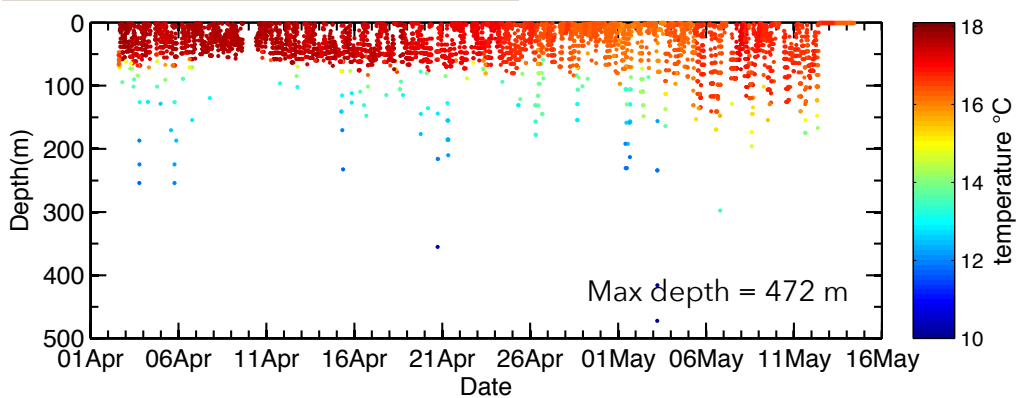


Fig. 3. Dive behaviour and temperatures for duration of tag deployment.

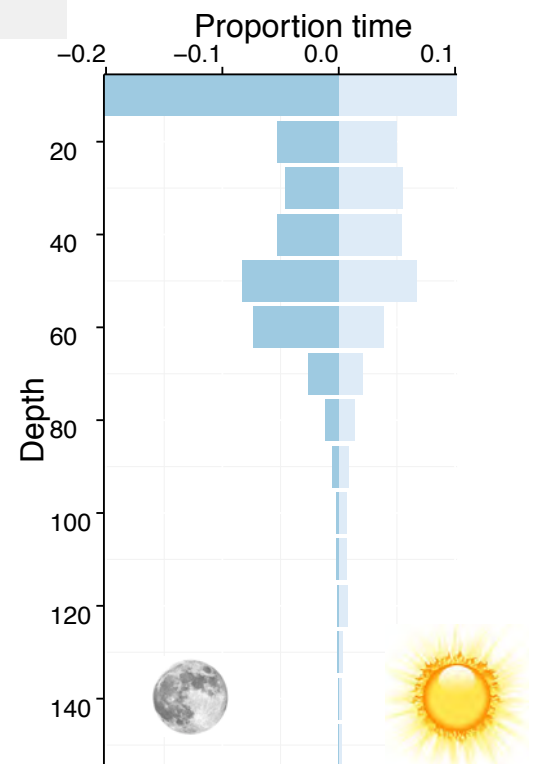


Fig. 4. Proportion of time the individual spent at different depths during the night (darker blue) and day (lighter blue).

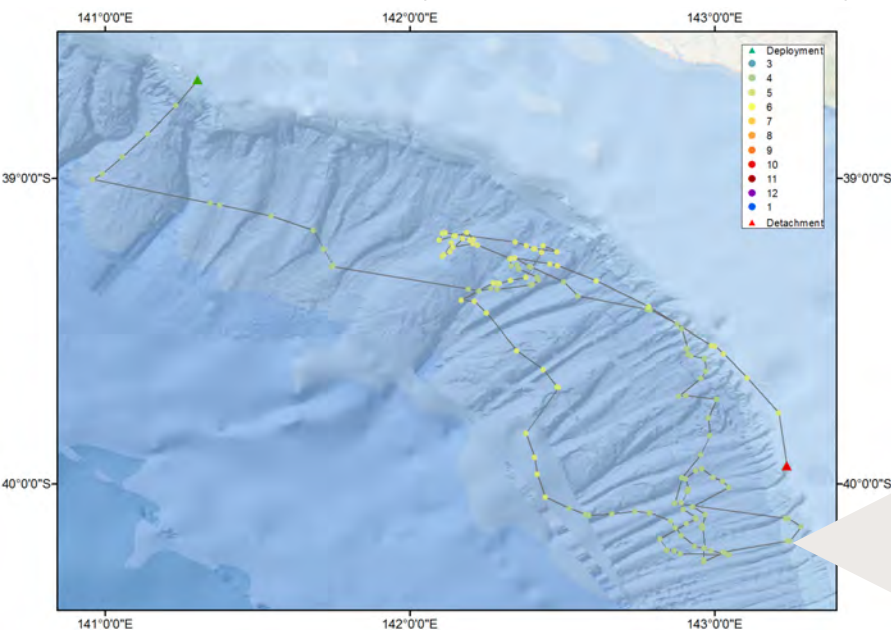


Fig. 5. The most probable track based on light, water temperature and depth based geo-location

Tag ID	128677
Fate	Survived - Premature release
Date range at liberty	11 Apr 2013 - 4 Jul 2013
Actual tag retention duration	84 days
Program tag retention duration	180 days
Tagging location	Portland, VIC
Tag detachment location	West of King Island, TAS
Fish (fork) length	91 cm
Estimated weight (L_W conv)*	13 kg
Hooking location	Mouth hooked
Hooking damage	Minor mouth
Hook/lure type	Skirted single J hook lure
Fight time	4 min 22 sec
Processing time	1 min 46 sec
In water recovery time	32
Release condition	Active
Seal interaction time	NA
Comments	NA



Fig. 1. Photo of the fish immediately after landing.



Fig. 2. Photo of the hooking location immediately after landing.

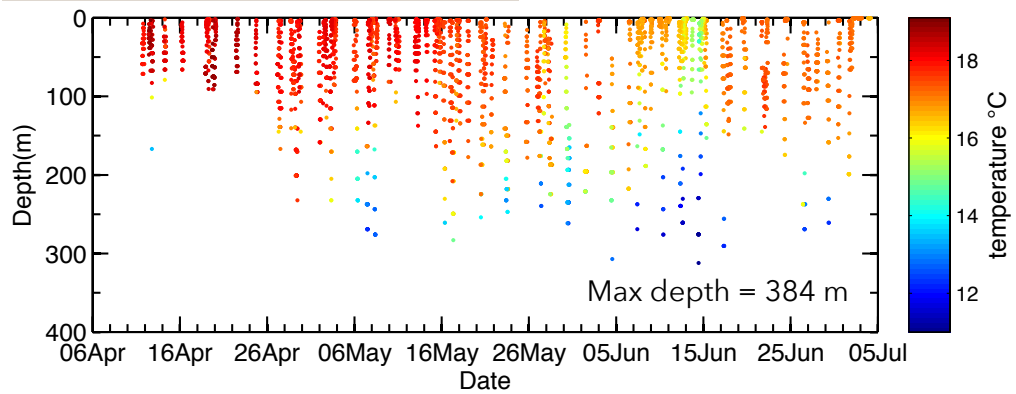


Fig. 3. Dive behaviour and temperatures for duration of tag deployment.

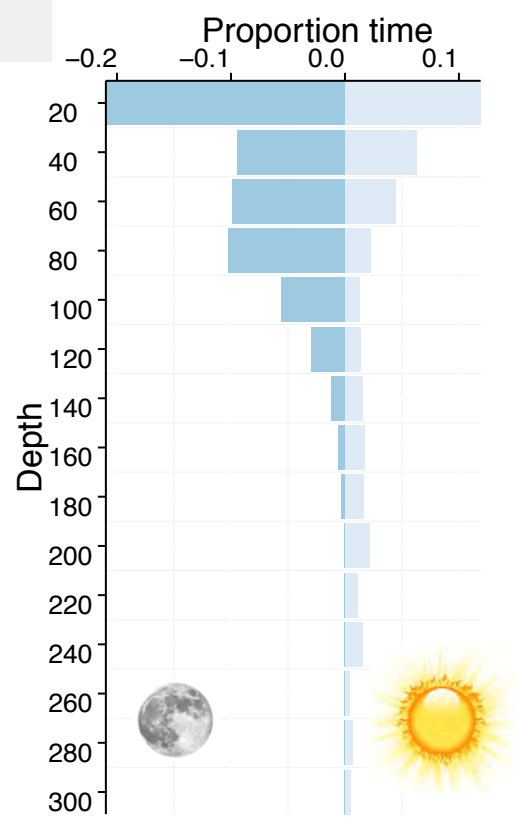


Fig. 4. Proportion of time the individual spent at different depths during the night (darker blue) and day (lighter blue).

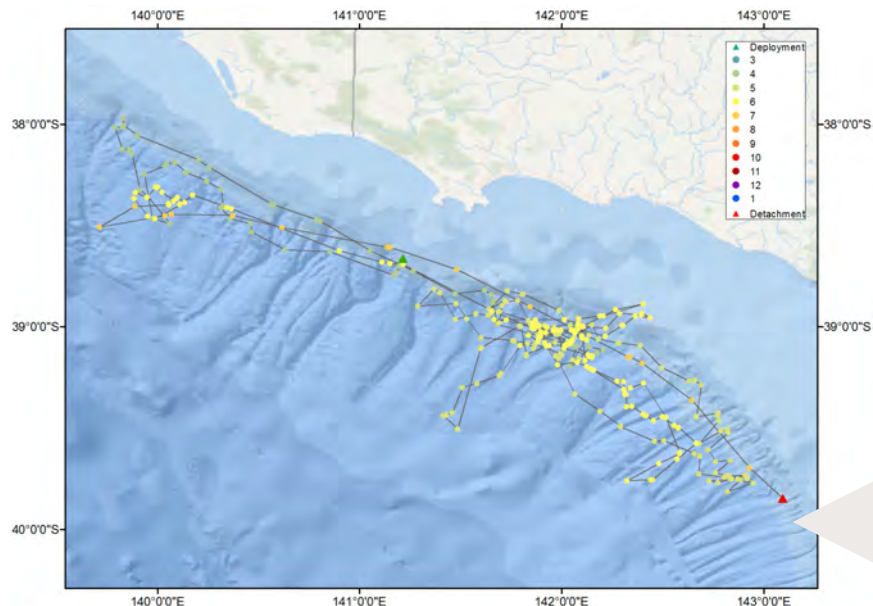


Fig. 5. The most probable track based on light, water temperature and depth based geo-location

Tag ID	128678
Fate	Survived - Premature release
Date range at liberty	12 Jul 2013 - 1 Oct 2013
Actual tag retention duration	84 days
Program tag retention duration	180 days
Tagging location	Offshore Sydney, NSW
Tag detachment location	middle of Tasman Sea
Fish (fork) length	130 cm
Estimated weight (L_W conv)*	40 kg
Hooking location	Mouth hooked
Hooking damage	Minor mouth
Hook/lure type	Baited circle hook
Fight time	10 min 22 sec
Processing time	3 min 30 sec
In water recovery time	0 sec
Release condition	Active
Seal interaction time	NA
Comments	NA



Fig. 1. Photo of the fish immediately after landing.



Fig. 2. Photo of the hooking location immediately after landing.

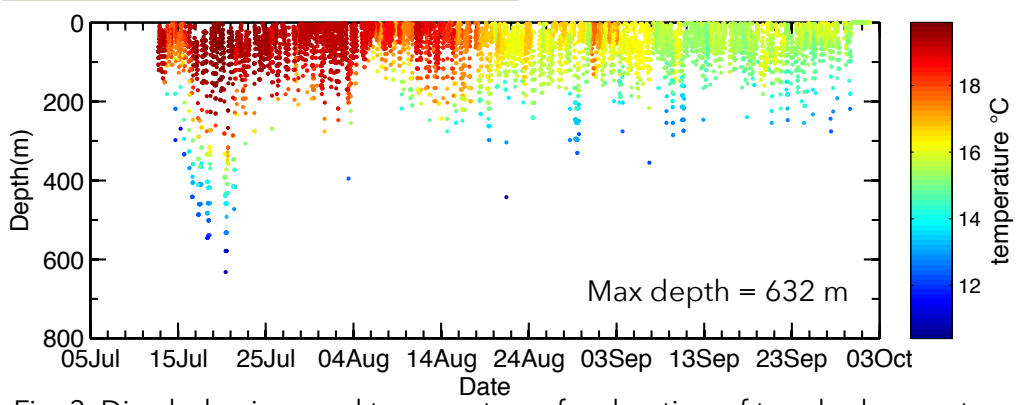


Fig. 3. Dive behaviour and temperatures for duration of tag deployment.

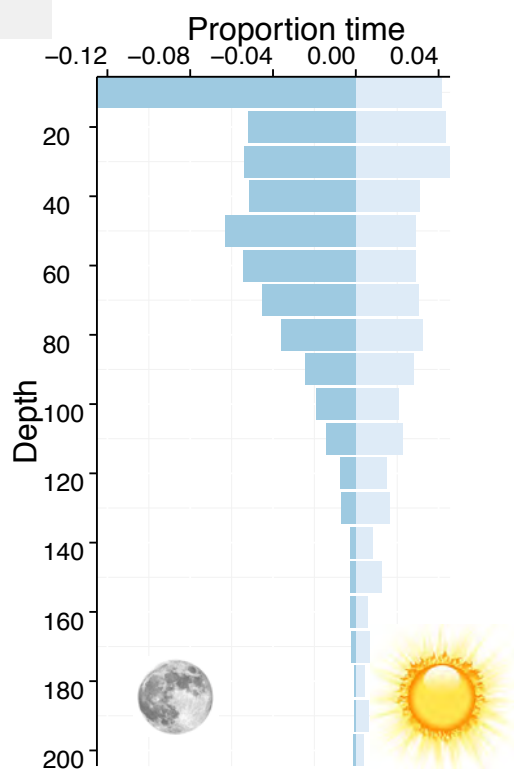


Fig. 4. Proportion of time the individual spent at different depths during the night (darker blue) and day (lighter blue).

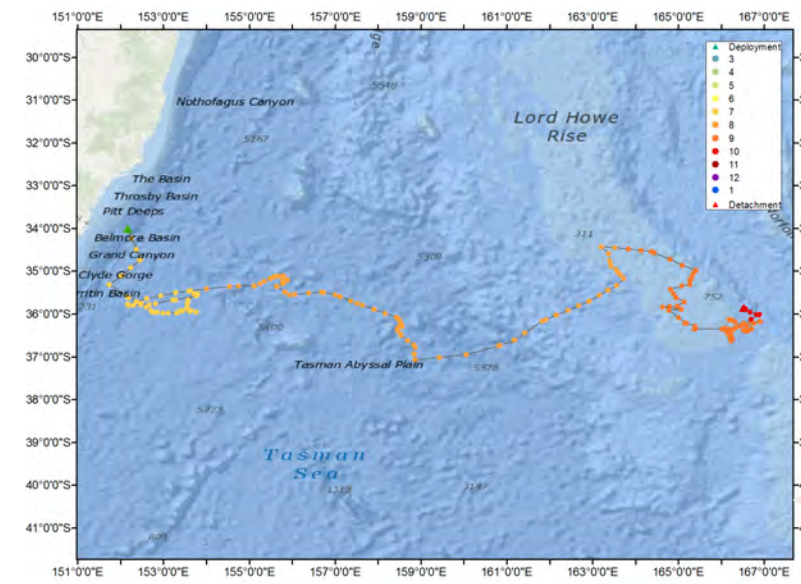


Fig. 5. The most probable track based on light, water temperature and depth based geo-location

Tag ID	128679
Fate	Survived - Premature release
Date range at liberty	29 Jun 2013 - 4 Dec 2013
Actual tag retention duration	152 days
Program tag retention duration	180 days
Tagging location	Offshore Jervis Bay, NSW
Tag detachment location	Tasman Sea
Fish (fork) length	130 cm
Estimated weight (L_W conv)*	40 kg
Hooking location	Mouth hooked
Hooking damage	Major mouth bleed
Hook/lure type	Hard body single J hook
Fight time	7 min 20 sec
Processing time	3 min 12 sec
In water recovery time	10 sec
Release condition	Low active
Seal interaction time	NA
Comments	NA



Fig. 1. Photo of the fish immediately after landing.

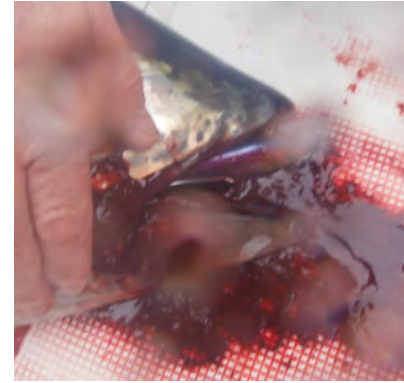


Fig. 2. Photo of the hooking location immediately after landing.

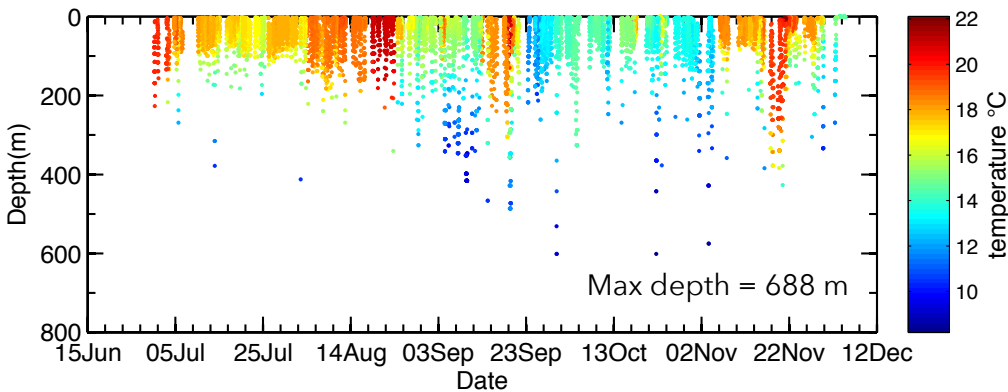


Fig. 3. Dive behaviour and temperatures for duration of tag deployment.

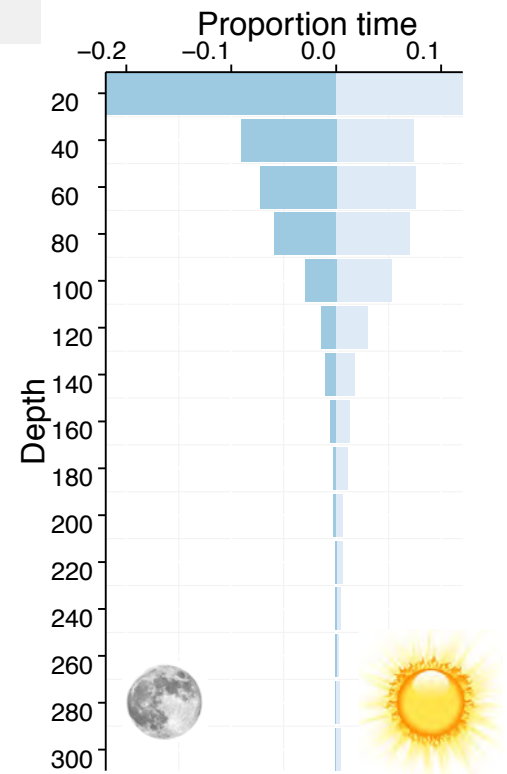


Fig. 4. Proportion of time the individual spent at different depths during the night (darker blue) and day (lighter blue).

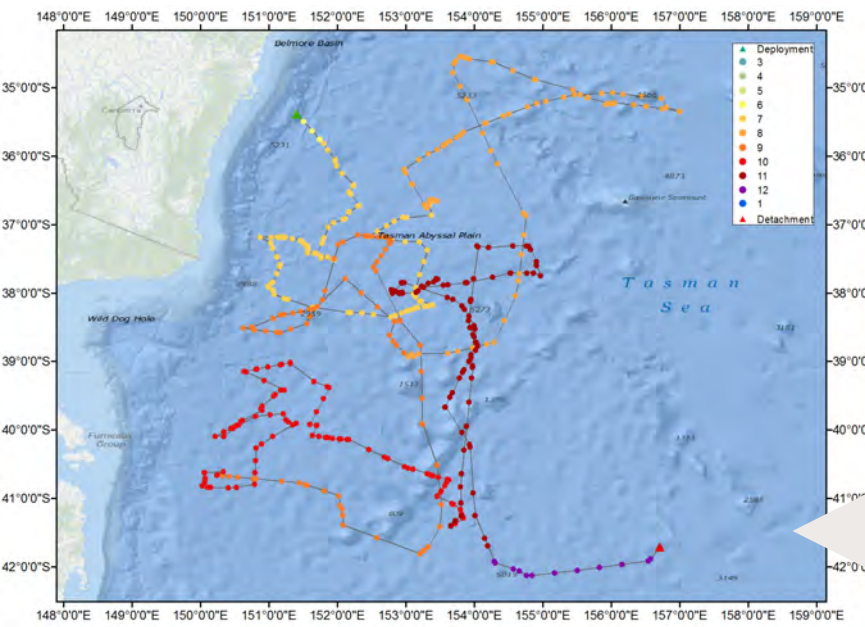


Fig. 5. The most probable track based on light, water temperature and depth based geo-location

<b>Tag ID</b>	128680
<b>Fate</b>	Survived - Premature release
<b>Date range at liberty</b>	29 Jun 2013 - 19 Oct 2013
<b>Actual tag retention duration</b>	111 days
<b>Program tag retention duration</b>	180 days
<b>Tagging location</b>	Offshore Jervis Bay, NSW
<b>Tag detachment location</b>	Tasman Sea, adjacent to Tasmania
<b>Fish (fork) length</b>	136 cm
<b>Estimated weight (L_W conv)*</b>	47 kg
<b>Hooking location</b>	Mouth hooked
<b>Hooking damage</b>	Minor mouth bleed
<b>Hook/lure type</b>	Hard body single J hook
<b>Fight time</b>	7 min 06 sec
<b>Processing time</b>	2 min 54 sec
<b>In water recovery time</b>	2 sec
<b>Release condition</b>	Active
<b>Seal interaction time</b>	NA
<b>Comments</b>	Carefully lipped gaffed.



Fig. 1. Photo of the fish immediately after landing.



Fig. 2. Photo of the hooking location immediately after landing.

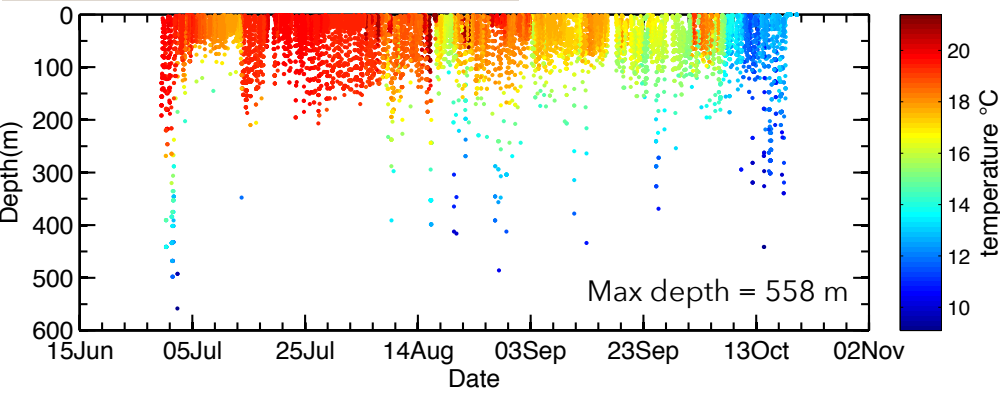


Fig. 3. Dive behaviour and temperatures for duration of tag deployment.

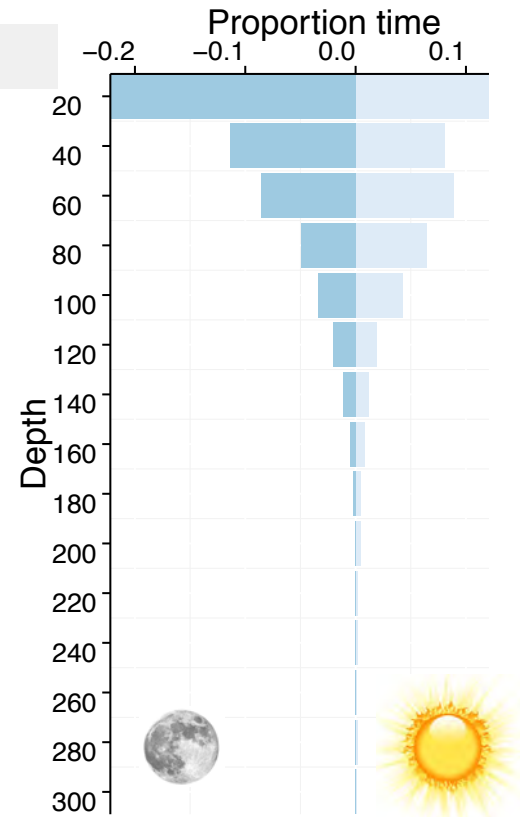


Fig. 4. Proportion of time the individual spent at different depths during the night (darker blue) and day (lighter blue).

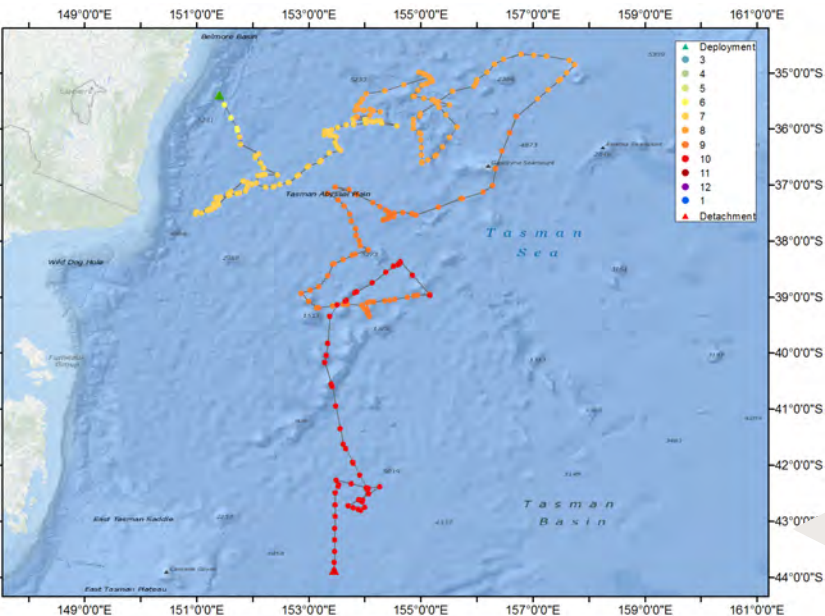


Fig. 5. The most probable track based on light, water temperature and depth based geo-location

<b>Tag ID</b>	128681
<b>Fate</b>	Survived - Premature release
<b>Date range at liberty</b>	12 Jul 2013 - 12 Nov 2013
<b>Actual tag retention duration</b>	123 days
<b>Program tag retention duration</b>	180 days
<b>Tagging location</b>	Offshore Sydney, NSW
<b>Tag detachment location</b>	Wineglass Bay, coastal Tasmania
<b>Fish (fork) length</b>	124 cm
<b>Estimated weight (L_W conv)*</b>	35 kg
<b>Hooking location</b>	Deep throat hooked
<b>Hooking damage</b>	None obvious
<b>Hook/lure type</b>	Baited circle hook
<b>Fight time</b>	9 min 27 sec
<b>Processing time</b>	3 min 23 sec
<b>In water recovery time</b>	14 sec
<b>Release condition</b>	Active
<b>Seal interaction time</b>	NA
<b>Comments</b>	Line cut and hook left in.



Fig. 1. Photo of the fish immediately after landing.



Fig. 2. Photo of the hooking location immediately after landing.

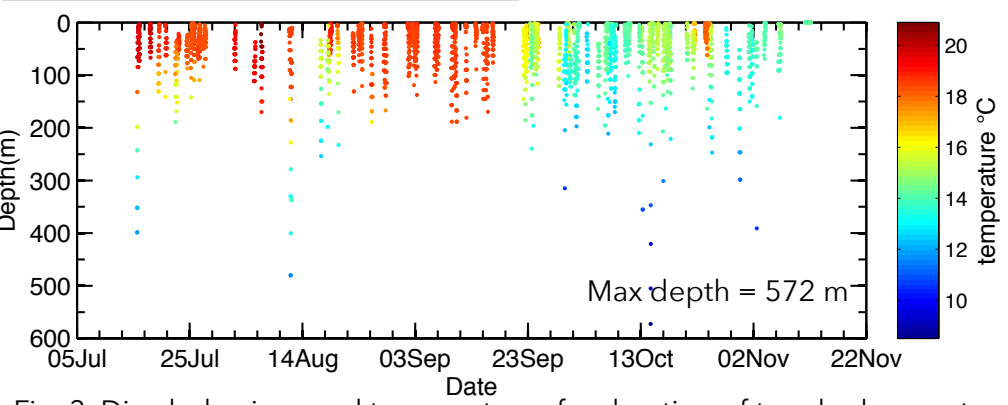


Fig. 3. Dive behaviour and temperatures for duration of tag deployment.

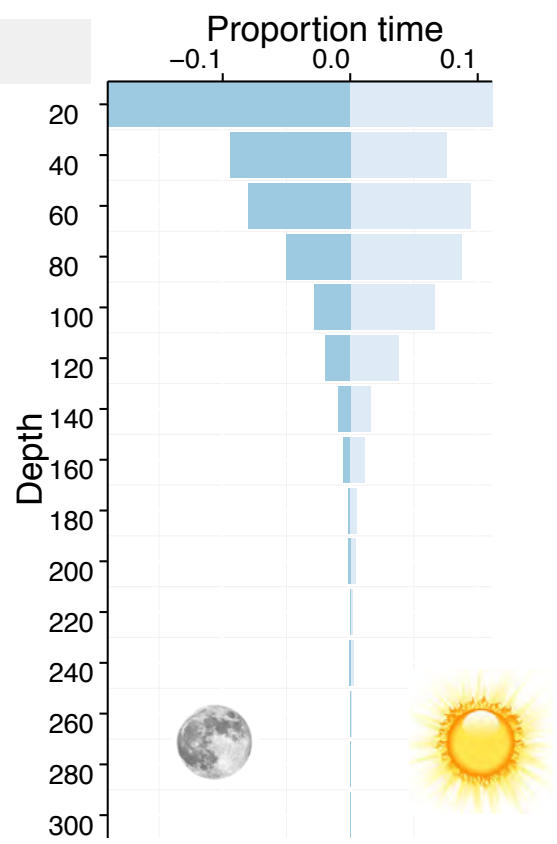


Fig. 4. Proportion of time the individual spent at different depths during the night (darker blue) and day (lighter blue).

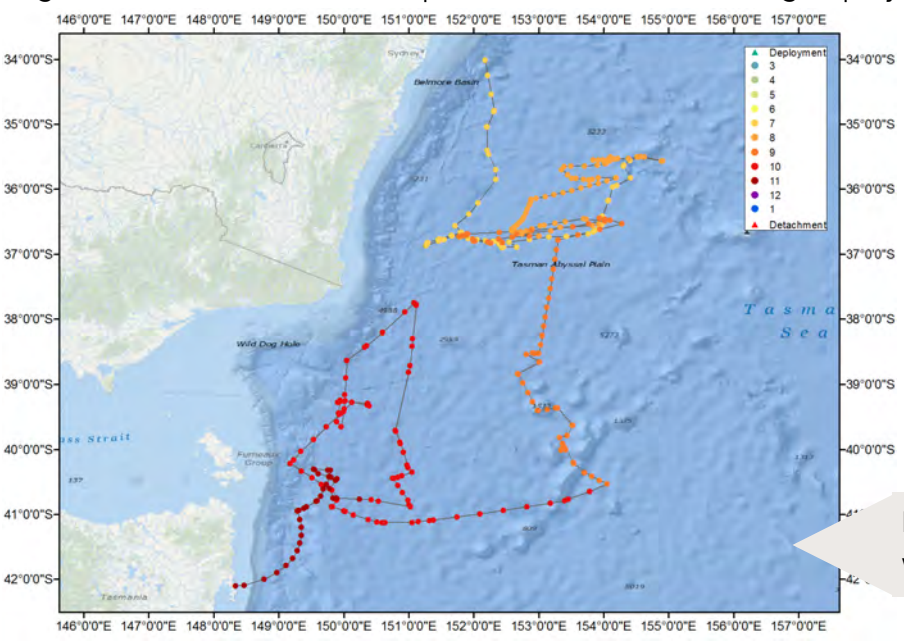


Fig. 5. The most probable track based on light, water temperature and depth based geo-location

<b>Tag ID</b>	128682
<b>Fate</b>	Survived - Commercial recapture
<b>Date range at liberty</b>	29 Jun 2013 - 4 July 2013
<b>Actual tag retention duration</b>	3 days
<b>Program tag retention duration</b>	180 days
<b>Tagging location</b>	Offshore Jervis Bay, NSW
<b>Tag detachment location</b>	Caught offshore NSW
<b>Fish (fork) length</b>	132 cm
<b>Estimated weight (L_W conv)*</b>	42 kg
<b>Hooking location</b>	Mouth hooked
<b>Hooking damage</b>	Minor mouth damage
<b>Hook/lure type</b>	Baited circle hook
<b>Fight time</b>	11 min 09 sec
<b>Processing time</b>	2 min 44 sec
<b>In water recovery time</b>	5 sec
<b>Release condition</b>	Active
<b>Seal interaction time</b>	NA
<b>Comments</b>	Carefully mouth gaffed to bring aboard. Satellite tag returned by commercial fisher.



Fig. 1. Photo of the fish immediately after landing.

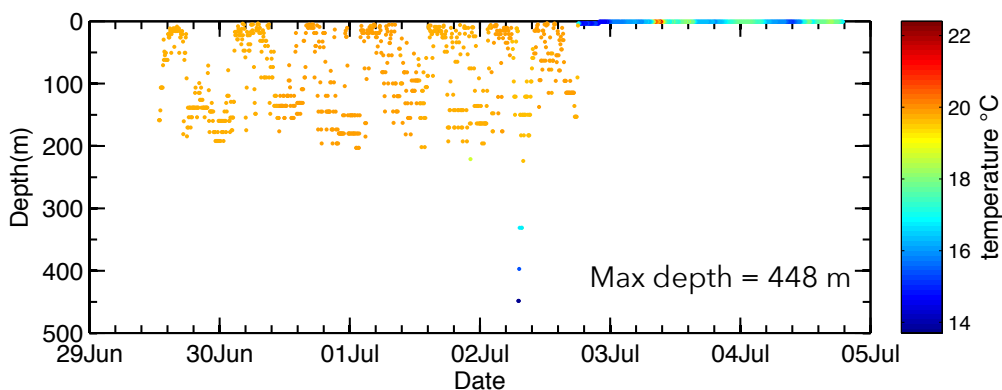


Fig. 3. Dive behaviour and temperatures for duration of tag deployment.

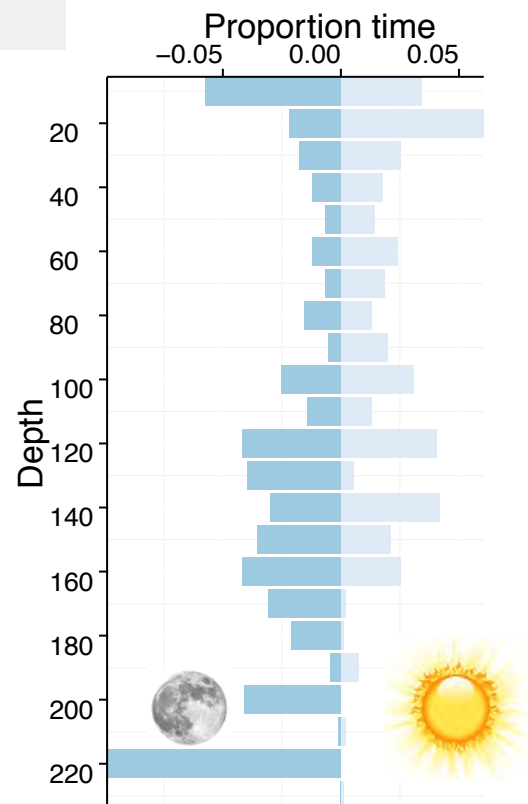


Fig. 4. Proportion of time the individual spent at different depths during the night (darker blue) and day (lighter blue).

Tag ID	128683
Fate	Survived - Premature release
Date range at liberty	27 Apr 2013 - 10 May 2013
Actual tag retention duration	16 days
Program tag retention duration	180 days
Tagging location	Tasman Peninsula, TAS
Tag detachment location	–
Fish (fork) length	96 cm
Estimated weight (L_W conv)*	16 kg
Hooking location	Mouth hooked
Hooking damage	Minor mouth damage
Hook/lure type	Hard body single J hook
Fight time	11 min 58 sec
Processing time	2 min 28 sec
In water recovery time	25 sec
Release condition	Active
Seal interaction time	NA
Comments	Tag recovered.



Fig. 1. Photo of the fish immediately after landing.

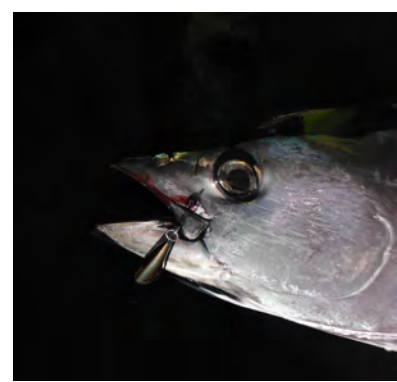


Fig. 2. Photo of the hooking location immediately after landing.

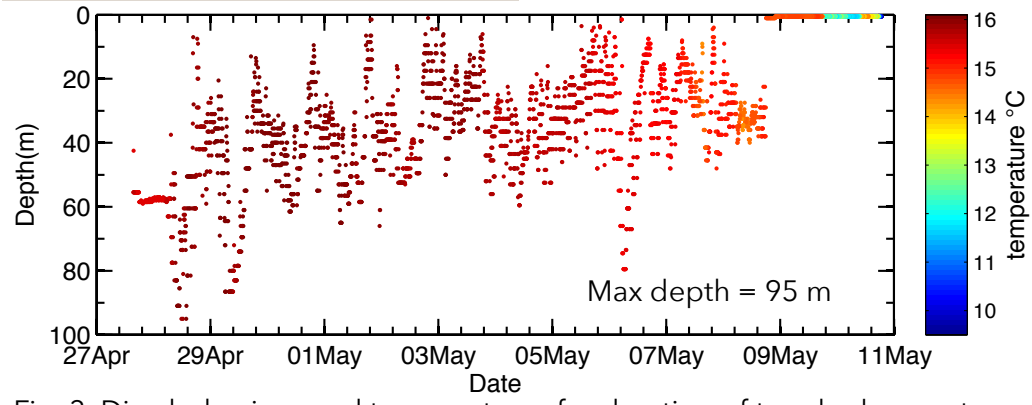


Fig. 3. Dive behaviour and temperatures for duration of tag deployment.

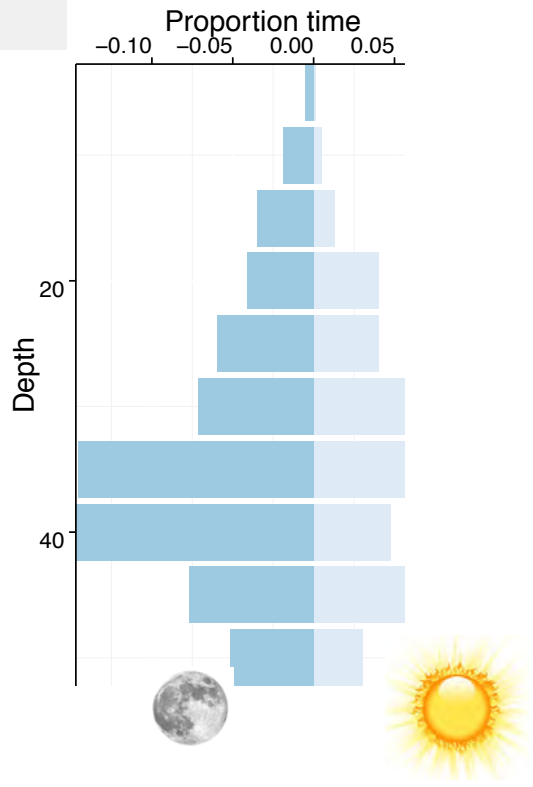


Fig. 4. Proportion of time the individual spent at different depths during the night (darker blue) and day (lighter blue).

<b>Tag ID</b>	12868301 (Jake L)
<b>Fate</b>	Mortality - Post-release predation
<b>Date range at liberty</b>	24 Jun 2014 - 11 Jul 2014
<b>Actual tag retention duration</b>	17 days (mortality 10 days after release)
<b>Program tag retention duration</b>	70 days
<b>Tagging location</b>	Tasman Peninsula. TAS
<b>Tag detachment location</b>	-
<b>Fish (fork) length</b>	97 cm
<b>Estimated weight (L_W conv)*</b>	16 kg
<b>Hooking location</b>	Mouth hooked
<b>Hooking damage</b>	Minor mouth damage
<b>Hook/lure type</b>	Skirted single J hook lure
<b>Fight time</b>	1 min 23 sec
<b>Processing time</b>	4 min 00 sec
<b>In water recovery time</b>	5 sec
<b>Release condition</b>	Active
<b>Seal interaction time</b>	NA
<b>Comments</b>	Predation determined by change in temperature and dive pattern.



Fig. 1. Photo of the fish immediately after landing.



Fig. 2. Photo of the hooking location immediately after landing.

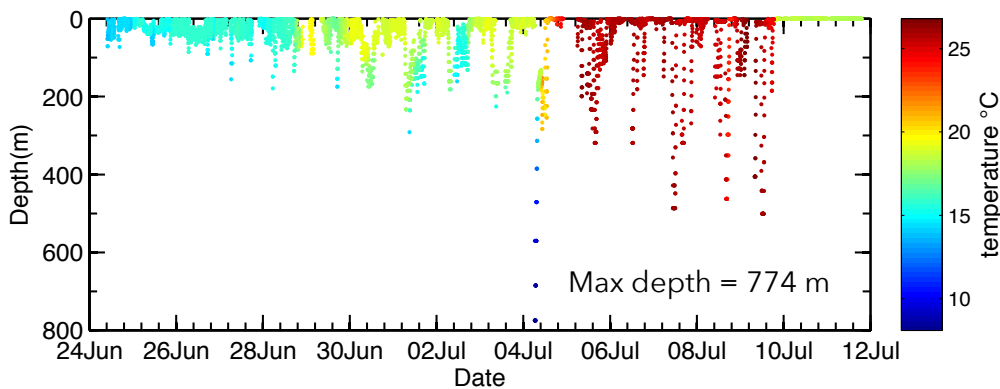


Fig. 3. Dive behaviour and temperatures for duration of tag deployment.

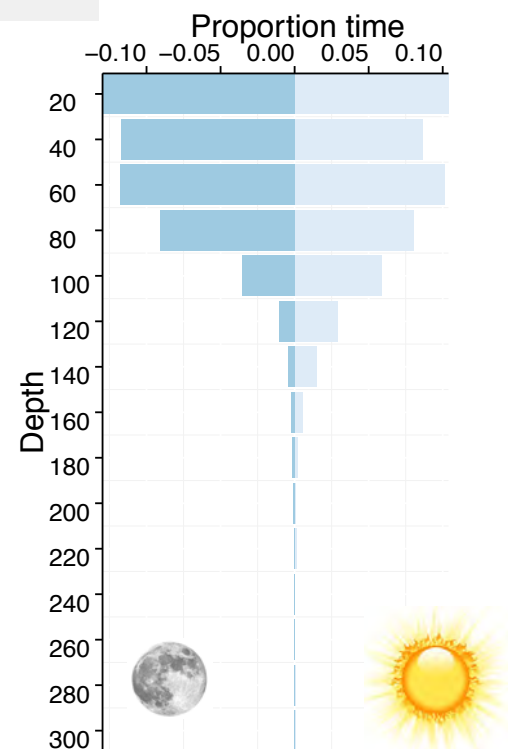


Fig. 4. Proportion of time the individual spent at different depths during the night (darker blue) and day (lighter blue).

Tag ID	128684
Fate	Survived - Full term
Date range at liberty	3 Apr 2014 - 30 Sep 2014
Actual tag retention duration	180 days
Program tag retention duration	180 days
Tagging location	Portland, VIC
Tag detachment location	Tasman Sea adjacent to Tasmania
Fish (fork) length	98 cm
Estimated weight (L_W conv)*	17 kg
Hooking location	Mouth hooked
Hooking damage	Minor mouth
Hook/lure type	Skirted single J hook lure
Fight time	3 min 56 sec
Processing time	2 min 09 sec
In water recovery time	10 sec
Release condition	Low active
Seal interaction time	NA
Comments	Slow to swim off



Fig. 1. Photo of the fish immediately after landing.



Fig. 2. Photo of the hooking location immediately after landing.

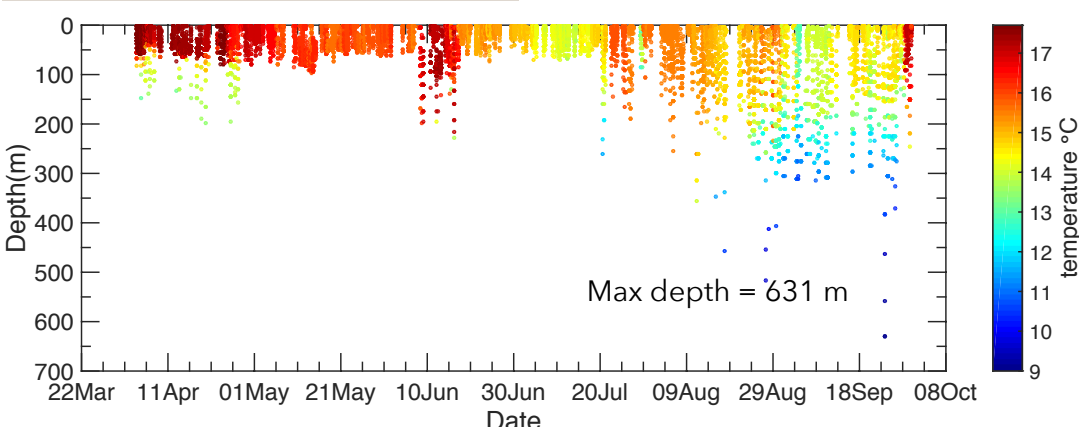


Fig. 3. Dive behaviour and temperatures for duration of tag deployment.

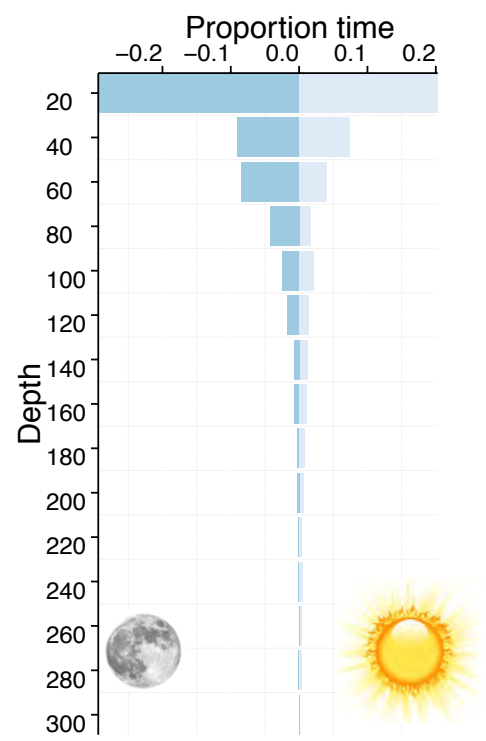


Fig. 4. Proportion of time the individual spent at different depths during the night (darker blue) and day (lighter blue).

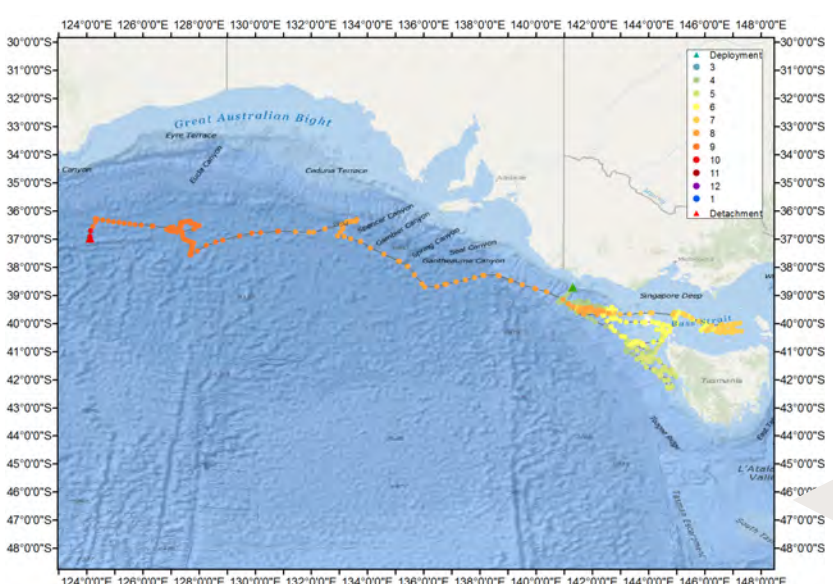


Fig. 5. The most probable track based on light, water temperature and depth based geo-location

<b>Tag ID</b>	128685
<b>Fate</b>	Survived - Premature release
<b>Date range at liberty</b>	2 Apr 2014 - 14 May 2014
<b>Actual tag retention duration</b>	41 days
<b>Program tag retention duration</b>	180 days
<b>Tagging location</b>	Portland, VIC
<b>Tag detachment location</b>	Port MacDonnell, SA
<b>Fish (fork) length</b>	99 cm
<b>Estimated weight (L_W conv)*</b>	17 kg
<b>Hooking location</b>	Mouth hooked
<b>Hooking damage</b>	Minor mouth damage
<b>Hook/lure type</b>	Skirted single J hook lure
<b>Fight time</b>	15 min 5 sec
<b>Processing time</b>	1 min 31 sec
<b>In water recovery time</b>	Speared in
<b>Release condition</b>	Active
<b>Seal interaction time</b>	NA
<b>Comments</b>	NA



Fig. 1. Photo of the fish immediately after landing.



Fig. 2. Photo of the hooking location immediately after landing.

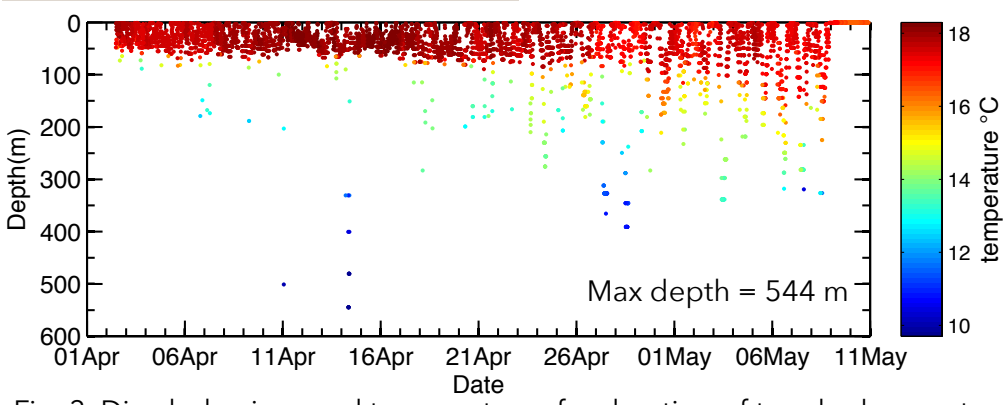


Fig. 3. Dive behaviour and temperatures for duration of tag deployment.

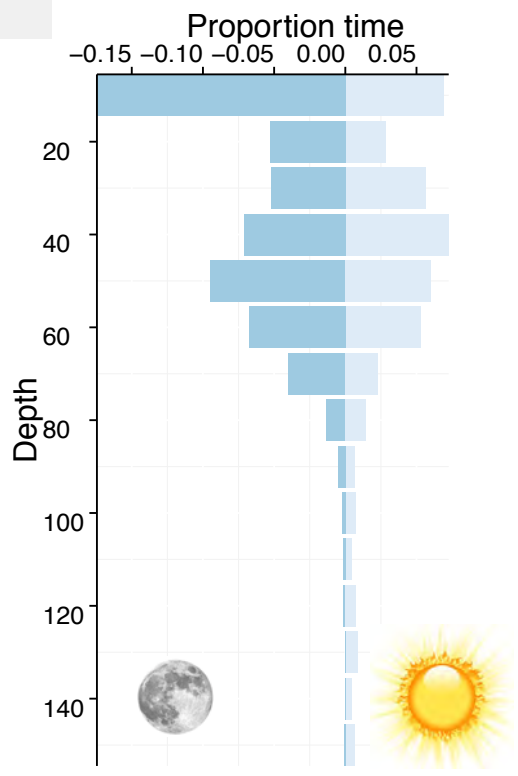


Fig. 4. Proportion of time the individual spent at different depths during the night (darker blue) and day (lighter blue).

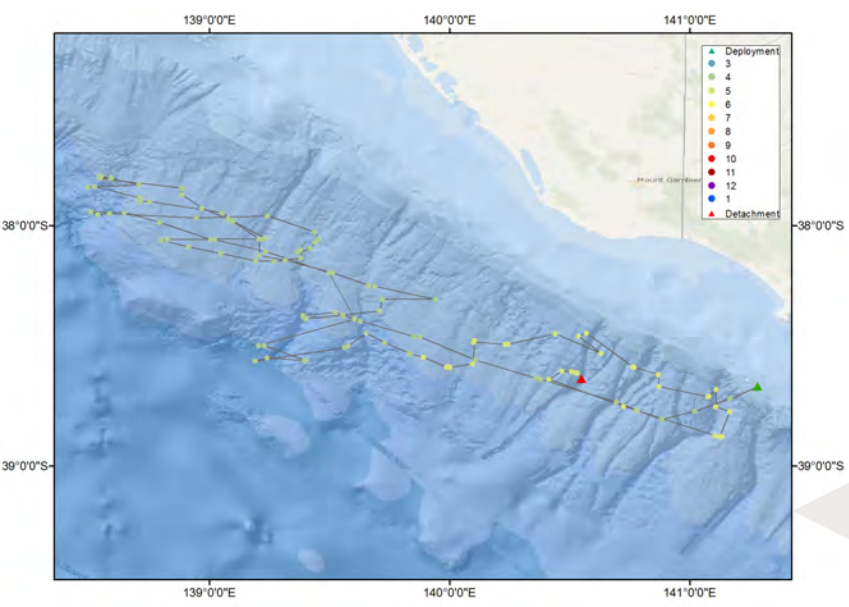


Fig. 5. The most probable track based on light, water temperature and depth based geo-location

**Tag ID**

128686

<b>Fate</b>	Mortality - catch induced
<b>Date range at liberty</b>	2 Apr 2014 - 4 Apr 2014
<b>Actual tag retention duration</b>	2 days (mortality 5 hours after release)
<b>Program tag retention duration</b>	180 days
<b>Tagging location</b>	Portland, VIC
<b>Tag detachment location</b>	NA
<b>Fish (fork) length</b>	98 cm
<b>Estimated weight (L_W conv)*</b>	17 kg
<b>Hooking location</b>	Mouth hooked
<b>Hooking damage</b>	Minor mouth damage
<b>Hook/lure type</b>	Hard body single J hook lure
<b>Fight time</b>	7 min 55 sec
<b>Processing time</b>	1 min 25 sec
<b>In water recovery time</b>	Speared in
<b>Release condition</b>	Active
<b>Seal interaction time</b>	NA
<b>Comments</b>	Mortality determined by tag sinking to the seafloor. As the tag sank rather than floated it was assumed it was attached to the fish during this time.



Fig. 1. Photo of the fish immediately after landing.



Fig. 2. Photo of the hooking location immediately after landing.

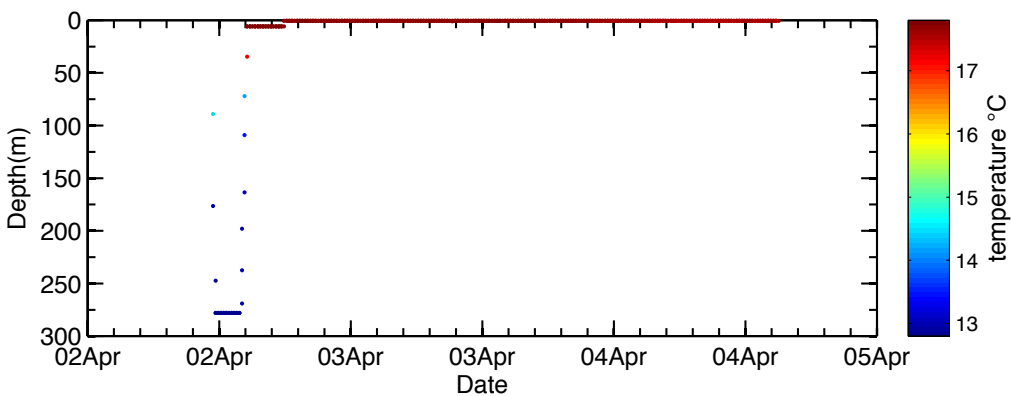


Fig. 3. Dive behaviour and temperatures for duration of tag deployment.

Tag ID	128688
Fate	Mortality - Post-release predation
Date range at liberty	12 July 2013 - 23 July 2013
Actual tag retention duration	4 days to assumed predation
Program tag retention duration	180 days
Tagging location	Offshore Sydney, NSW
Tag detachment location	Near deployment site
Fish (fork) length	120 cm
Estimated weight (L_W conv)*	32 kg
Hooking location	Mouth hooked
Hooking damage	Minor superficial
Hook/lure type	Baited circle hook
Fight time	3 min 07 sec
Processing time	2 min 53 sec
In water recovery time	10 sec
Release condition	Active
Seal interaction time	NA
Comments	Predation



Fig. 1. Photo of the fish immediately after landing.



Fig. 2. Photo of the hooking location immediately after landing.

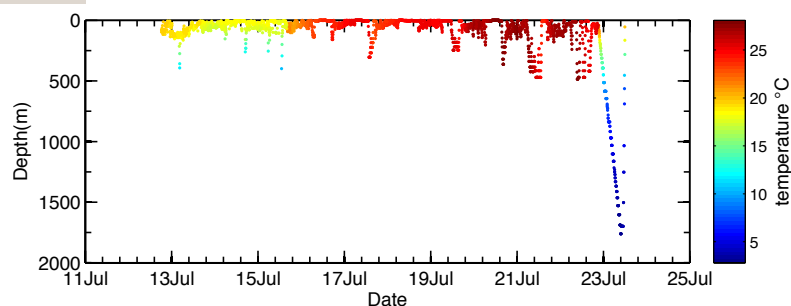


Fig. 3. Dive behaviour and temperatures for duration of tag deployment.

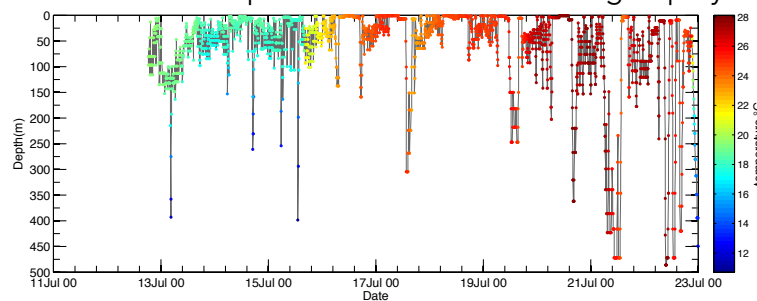


Fig. 4. Dive behaviour and temperatures focusing on period directly after release.

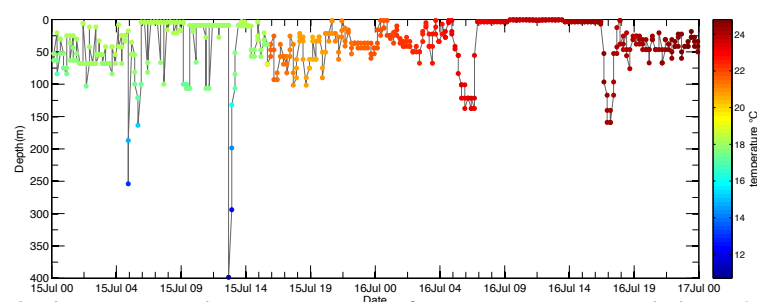


Fig. 4. Dive behaviour and temperatures focusing on period directly after release.

Tag ID	128689
Fate	Mortality - seal predation at release
Date range at liberty	18 May 2013 - 21 May 2013
Actual tag retention duration	<1 day
Program tag retention duration	180 days
Tagging location	Tasman Peninsula, TAS
Tag detachment location	Near deployment site
Fish (fork) length	184 cm
Estimated weight (L_W conv)*	123 kg
Hooking location	Mouth hooked
Hooking damage	Minor superficial
Hook/lure type	skirted single J hook lure
Fight time	118 min 00 sec
Processing time	4 min 00 sec
In water recovery time	30 sec
Release condition	Little Active
Seal interaction time	30 sec at end of fight, minor skin damage. Not punctured.
Comments	Seal observed engaging with fish after release.



Fig. 1. Photo of the fish immediately after landing.

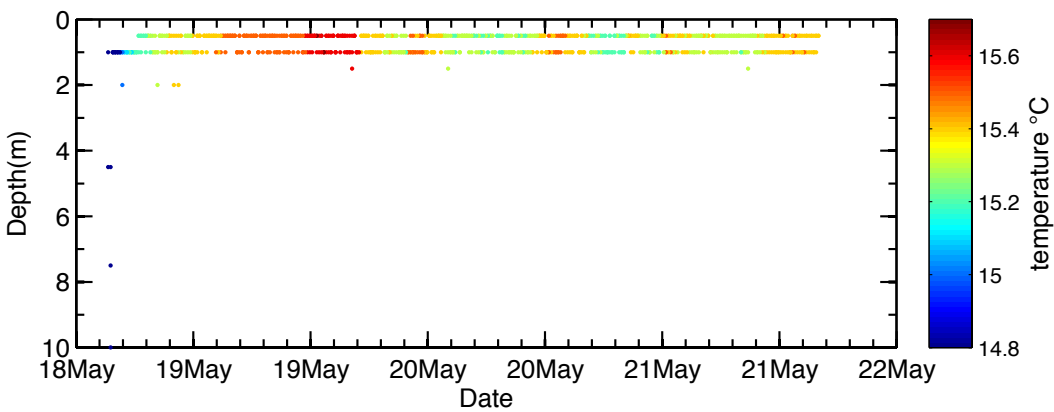


Fig. 3. Dive behaviour and temperatures for duration of tag deployment.

Tag ID	128690
Fate	Survived - Full term
Date range at liberty	14 Jul 2014 - 10 Jan 2015
Actual tag retention duration	180 days
Program tag retention duration	180 days
Tagging location	Tasman Peninsula, Tasmania
Tag detachment location	Kangaroo Island, South Australia
Fish (fork) length	92 cm
Estimated weight (L_W conv)*	14 kg
Hooking location	Mouth hooked
Hooking damage	Minor mouth
Hook/lure type	hard body two J hooks
Fight time	2 min 23 sec
Processing time	2 min 23 sec
In water recovery time	0 sec
Release condition	Vigorous
Seal interaction time	NA
Comments	NA



Fig. 1. Photo of the fish immediately after landing.



Fig. 2. Photo of the hooking location immediately after landing.

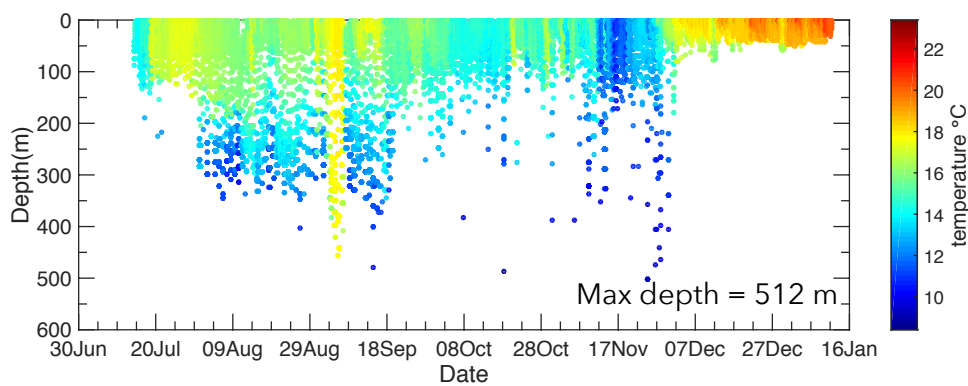


Fig. 3. Dive behaviour and temperatures for duration of tag deployment.

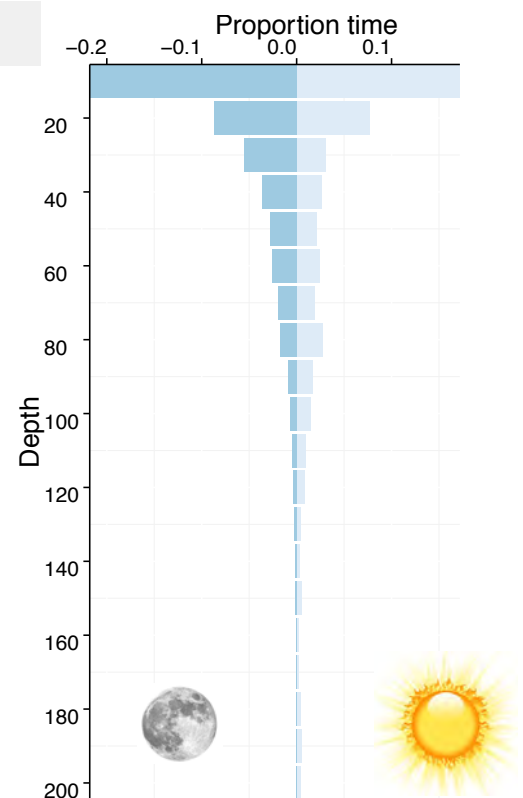


Fig. 4. Proportion of time the individual spent at different depths during the night (darker blue) and day (lighter blue).

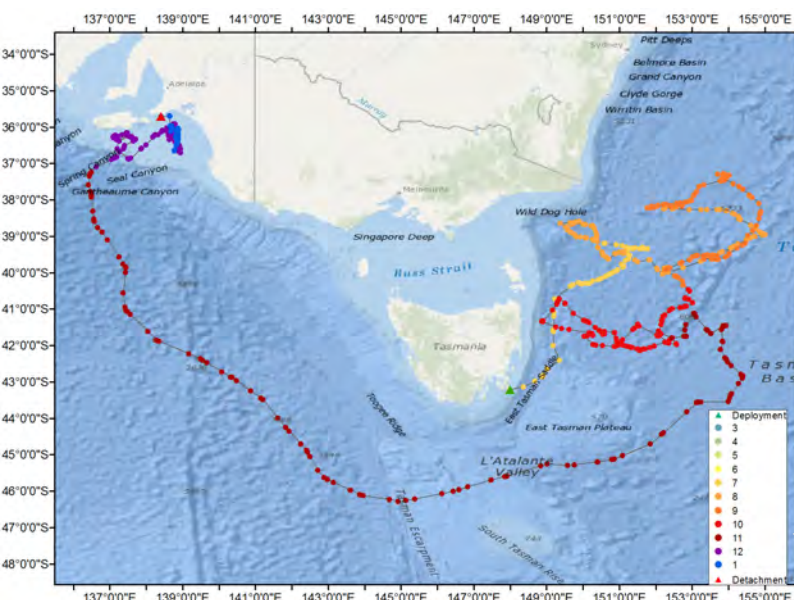


Fig. 5. The most probable track based on light, water temperature and depth based geo-location

Tag ID

128691

Fate	Mortality - catch induced
Date range at liberty	10 May 2013 - 15 May 2013
Actual tag retention duration	5 days (mortality one hour after release)
Program tag retention duration	180 days
Tagging location	Portland, VIC
Tag detachment location	Near deployment site
Fish (fork) length	93 cm
Estimated weight (L_W conv)*	14 kg
Hooking location	Mouth hooked
Hooking damage	Minor superficial
Hook/lure type	skirted single J hook lure
Fight time	7 min 46 sec
Processing time	2 min 06 sec
In water recovery time	0 sec
Release condition	Active
Seal interaction time	NA
Comments	Mortality determined by tag staying at constant depth near/on seafloor soon after release.



Fig. 1. Photo of the fish immediately after landing.



Fig. 2. Photo of the hooking location immediately after landing.

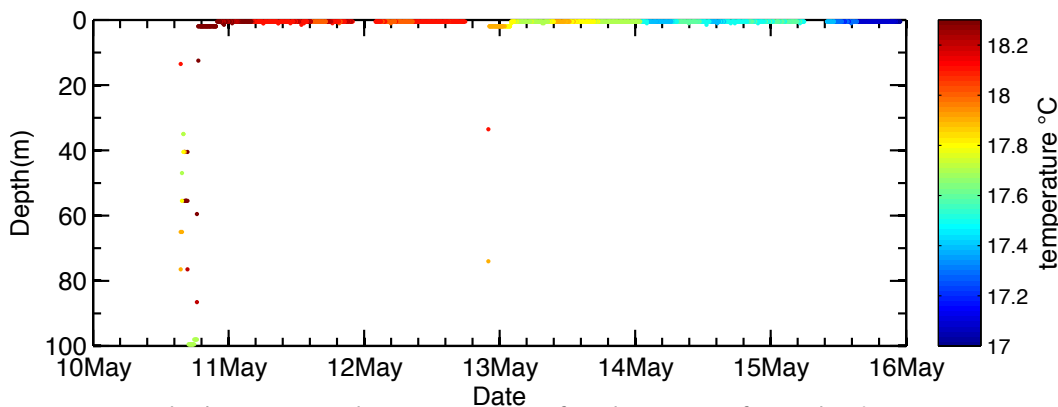


Fig. 3. Dive behaviour and temperatures for duration of tag deployment.

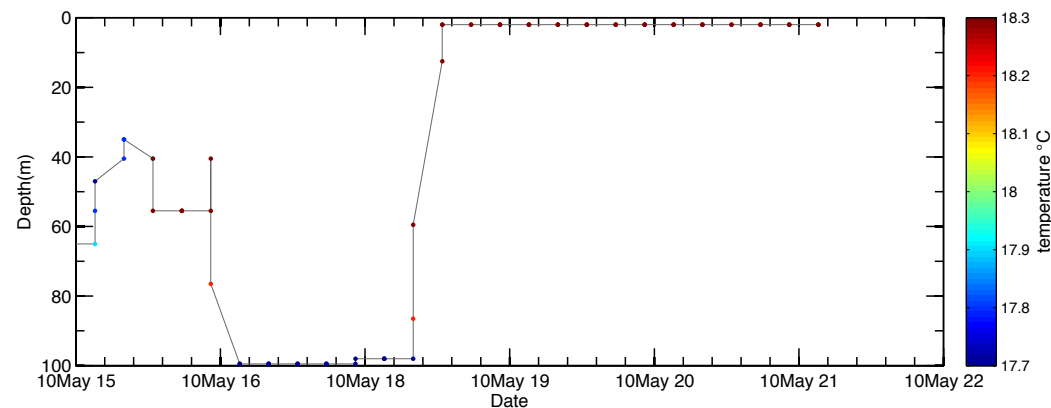


Fig. 4. Dive behaviour and temperatures focusing on period directly after release.

<b>Tag ID</b>	128692
<b>Fate</b>	Survived - Premature release
<b>Date range at liberty</b>	29 Jun 2013 - 12 Nov 2013
<b>Actual tag retention duration</b>	131 days
<b>Program tag retention duration</b>	180 days
<b>Tagging location</b>	Offshore Jervis Bay, NSW
<b>Tag detachment location</b>	Adjacent to east coast of Tasmania
<b>Fish (fork) length</b>	128 cm
<b>Estimated weight (L_W conv)*</b>	39 kg
<b>Hooking location</b>	Mouth hooked
<b>Hooking damage</b>	Minor mouth damage
<b>Hook/lure type</b>	Hard body J hook lure
<b>Fight time</b>	19 min 39 sec
<b>Processing time</b>	2 min 40 sec
<b>In water recovery time</b>	0 sec
<b>Release condition</b>	Vigorous
<b>Seal interaction time</b>	NA
<b>Comments</b>	Gently mouth gaffed to bring aboard



Fig. 1. Photo of the fish immediately after landing.



Fig. 2. Photo of the hooking location immediately after landing.

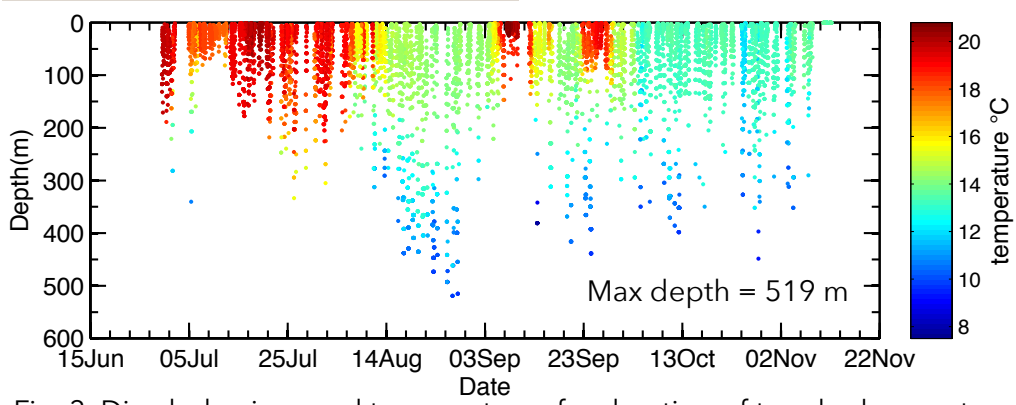


Fig. 3. Dive behaviour and temperatures for duration of tag deployment.

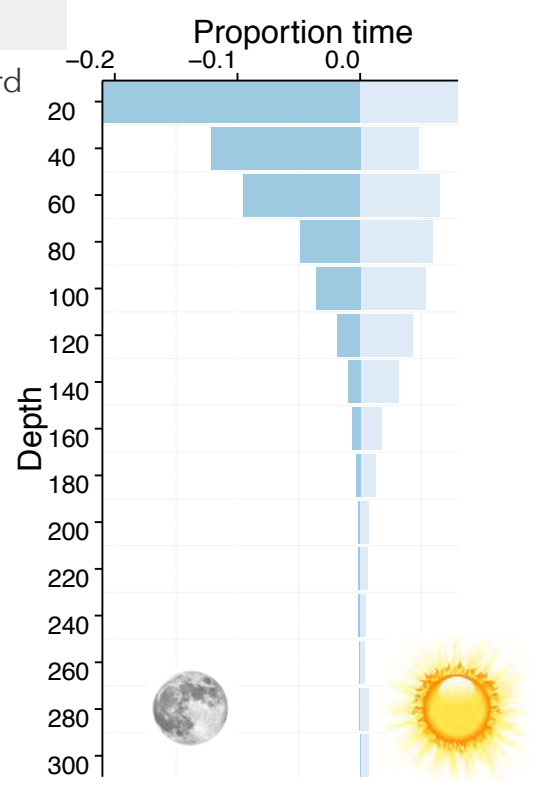


Fig. 4. Proportion of time the individual spent at different depths during the night (darker blue) and day (lighter blue).

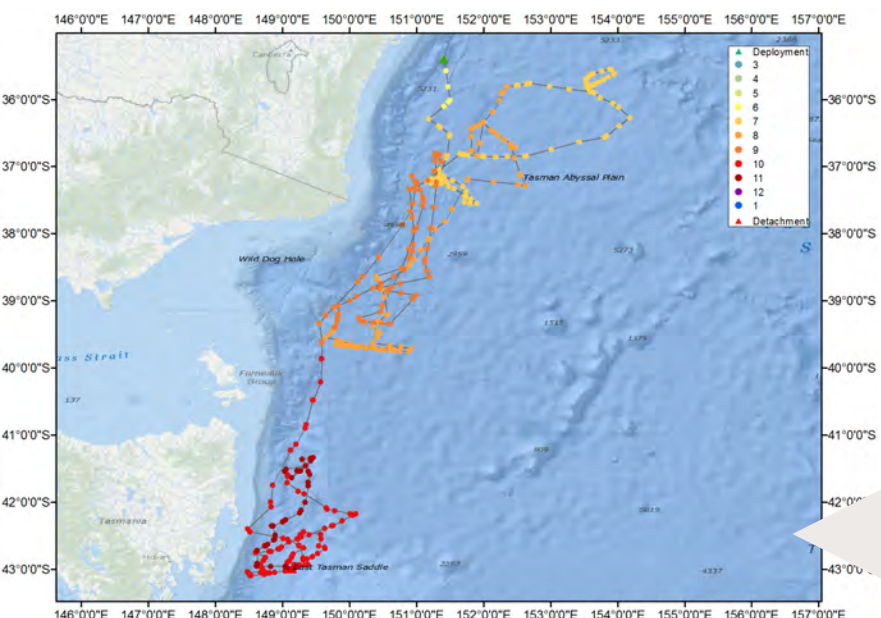


Fig. 5. The most probable track based on light, water temperature and depth based geo-location

Tag ID	128693
Fate	Survived - Premature release
Date range at liberty	25 Jul 2014 - 12 Sep 2014
Actual tag retention duration	49 days
Program tag retention duration	180 days
Tagging location	Offshore Jervis Bay, NSW
Tag detachment location	Tasman Sea
Fish (fork) length	141 cm
Estimated weight (L_W conv)*	52 kg
Hooking location	Foul hooked
Hooking damage	Superficial on flank
Hook/lure type	Skirted single J hook lure
Fight time	41 min 56 sec
Processing time	1 min 59 sec
In water recovery time	0 sec
Release condition	Vigorous
Seal interaction time	NA
Comments	Foul hooked in flank



Fig. 1. Photo of the fish immediately prior to landing.

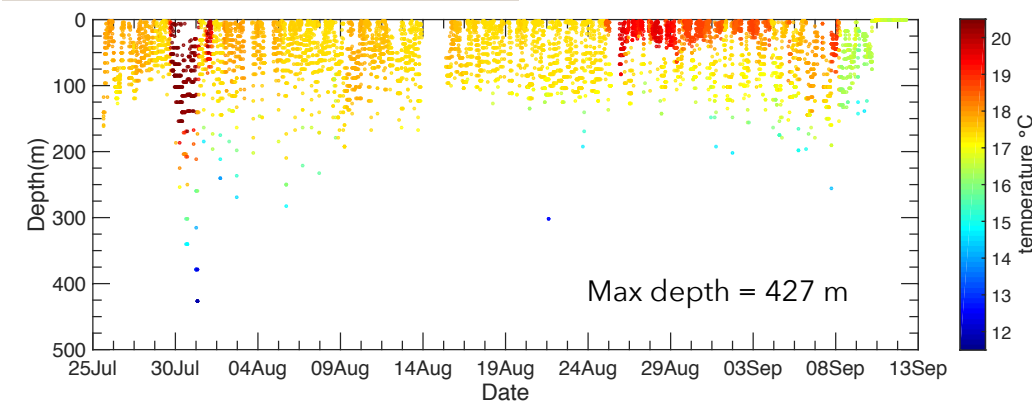


Fig. 3. Dive behaviour and temperatures for duration of tag deployment.

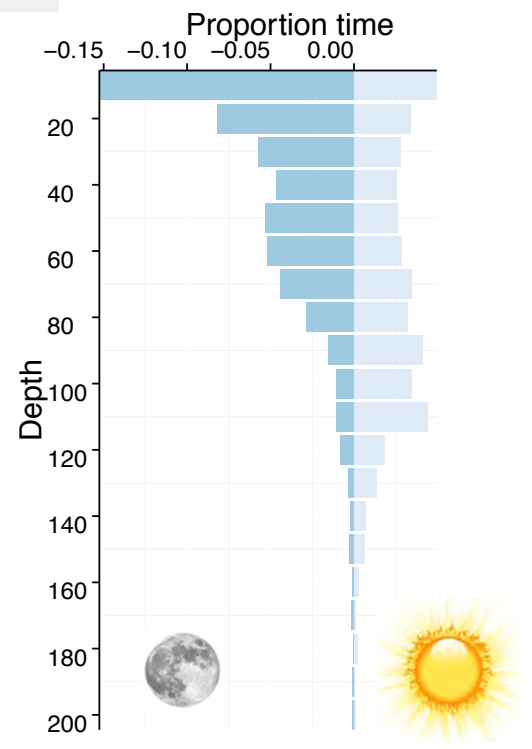


Fig. 4. Proportion of time the individual spent at different depths during the night (darker blue) and day (lighter blue).

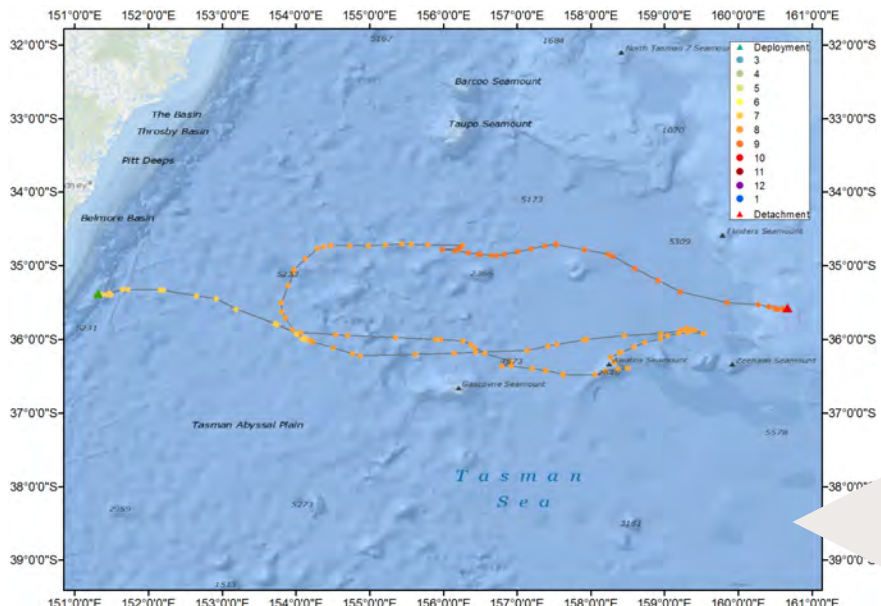


Fig. 5. The most probable track based on light, water temperature and depth based geo-location

<b>Tag ID</b>	128694 (Hunter)
<b>Fate</b>	Survived - Premature release
<b>Date range at liberty</b>	18 May 2013 - 4 October 2013
<b>Actual tag retention duration</b>	142 days
<b>Program tag retention duration</b>	180 days
<b>Tagging location</b>	Tasman Peninsula, TAS
<b>Tag detachment location</b>	Tasman Sea
<b>Fish (fork) length</b>	160 cm
<b>Estimated weight (L_W conv)*</b>	79 kg
<b>Hooking location</b>	Mouth hooked
<b>Hooking damage</b>	moderate mouth (leader burn)
<b>Hook/lure type</b>	skirted single J hook lure
<b>Fight time</b>	27 min 30 sec
<b>Processing time</b>	3 min 0 sec
<b>In water recovery time</b>	15 sec
<b>Release condition</b>	Low active
<b>Seal interaction time</b>	NA
<b>Comments</b>	Landed on a boat skippered by Richie Abela

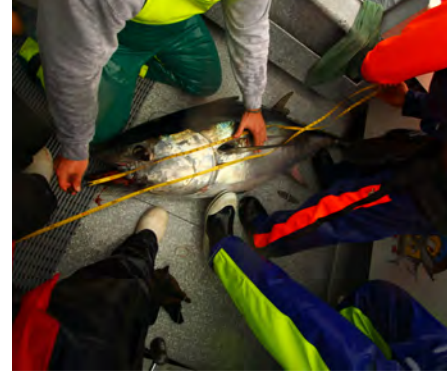


Fig. 1. Photo of the fish immediately after landing.

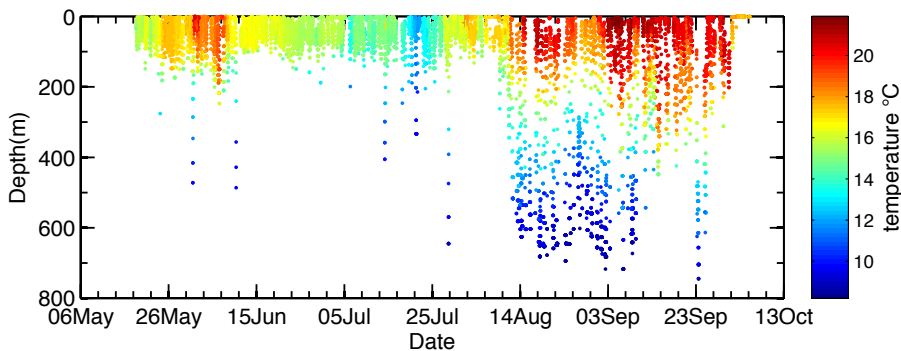


Fig. 3. Dive behaviour and temperatures for duration of tag deployment.

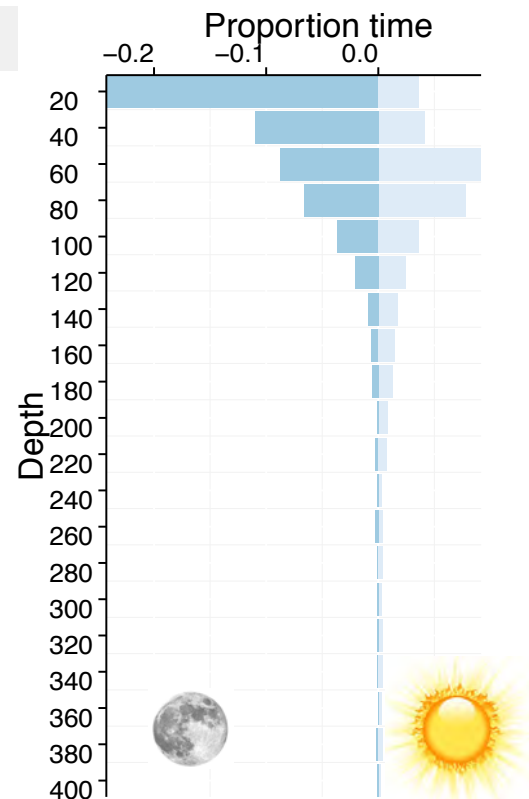


Fig. 4. Proportion of time the individual spent at different depths during the night (darker blue) and day (lighter blue).

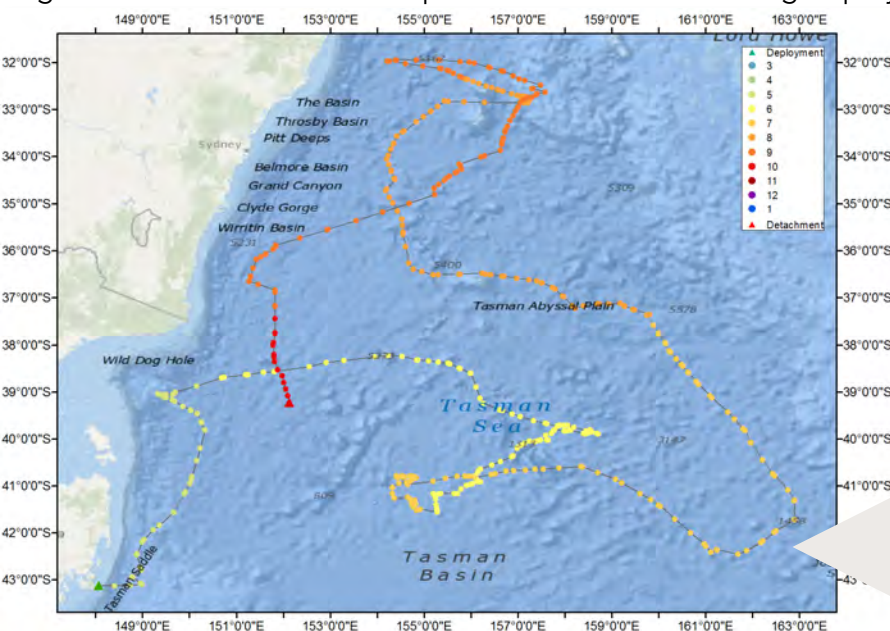


Fig. 5. The most probable track based on light, water temperature and depth based geo-location

<b>Tag ID</b>	128695
<b>Fate</b>	Survived - Premature release
<b>Date range at liberty</b>	29 Jun 2013 - 23 Oct 2013
<b>Actual tag retention duration</b>	103 days
<b>Program tag retention duration</b>	180 days
<b>Tagging location</b>	Offshore Jervis Bay, NSW
<b>Tag detachment location</b>	Tasman Sea
<b>Fish (fork) length</b>	132 cm
<b>Estimated weight (L_W conv)*</b>	43 kg
<b>Hooking location</b>	Mouth hooked
<b>Hooking damage</b>	Minor mouth damage
<b>Hook/lure type</b>	Baited circle hook
<b>Fight time</b>	4 min 23 sec
<b>Processing time</b>	3 min 46 sec
<b>In water recovery time</b>	0 sec
<b>Release condition</b>	Vigorous
<b>Seal interaction time</b>	NA
<b>Comments</b>	Gently mouth gaffed to bring aboard



Fig. 1. Photo of the fish immediately after landing.



Fig. 2. Photo of the hooking location immediately after landing.

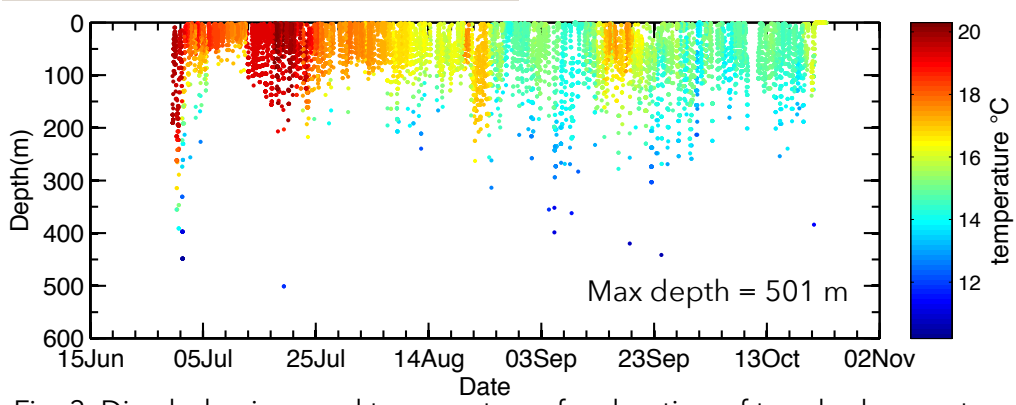


Fig. 3. Dive behaviour and temperatures for duration of tag deployment.

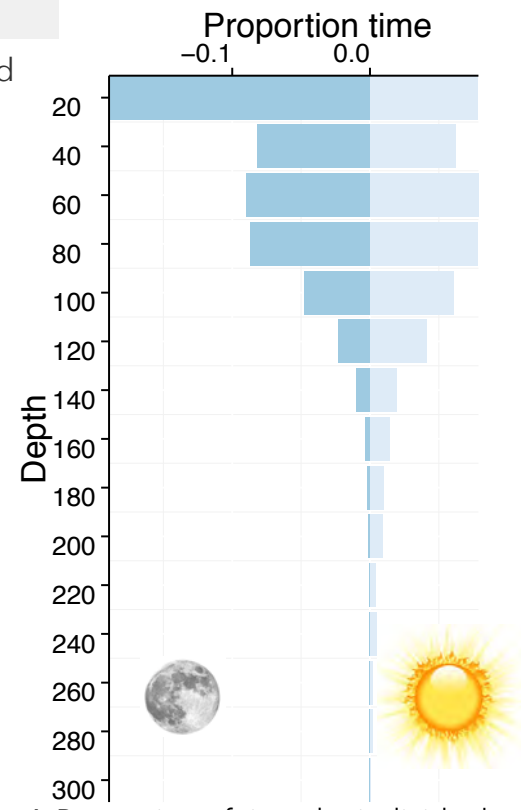


Fig. 4. Proportion of time the individual spent at different depths during the night (darker blue) and day (lighter blue).

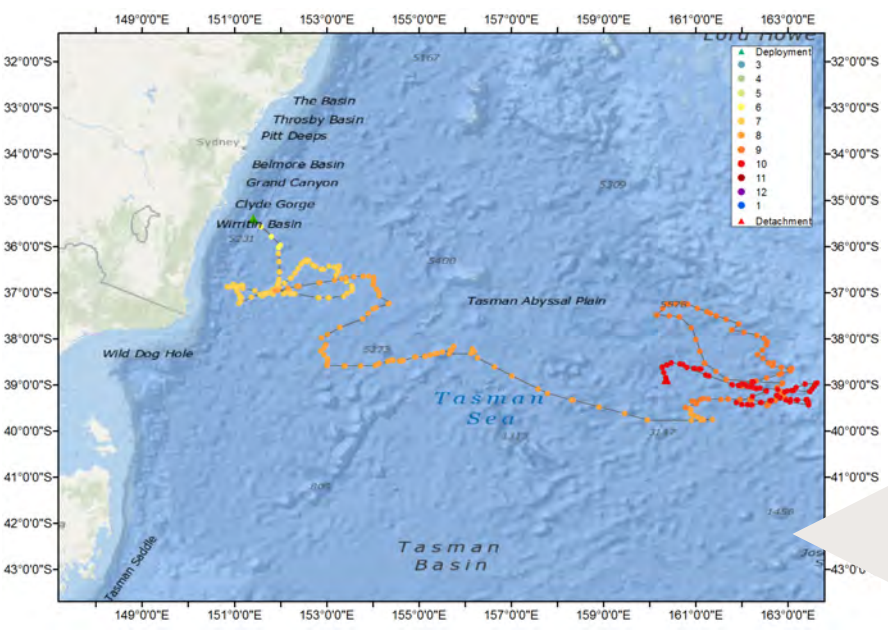


Fig. 5. The most probable track based on light, water temperature and depth based geo-location

<b>Tag ID</b>	128696
<b>Fate</b>	Survived - Premature release
<b>Date range at liberty</b>	2 Apr 2014 - 9 Jun 2014
<b>Actual tag retention duration</b>	71 days
<b>Program tag retention duration</b>	180 days
<b>Tagging location</b>	Portland, VIC
<b>Tag detachment location</b>	Port MacDonnell, SA
<b>Fish (fork) length</b>	101 cm
<b>Estimated weight (L_W conv)*</b>	19 kg
<b>Hooking location</b>	Mouth hooked
<b>Hooking damage</b>	Minor mouth damage
<b>Hook/lure type</b>	Hard body single J hook lure
<b>Fight time</b>	1 min 54 sec
<b>Processing time</b>	2 min 33 sec
<b>In water recovery time</b>	Speared in
<b>Release condition</b>	Low active
<b>Seal interaction time</b>	NA
<b>Comments</b>	NA



Fig. 1. Photo of the fish immediately after landing.



Fig. 2. Photo of the hooking location immediately after landing.

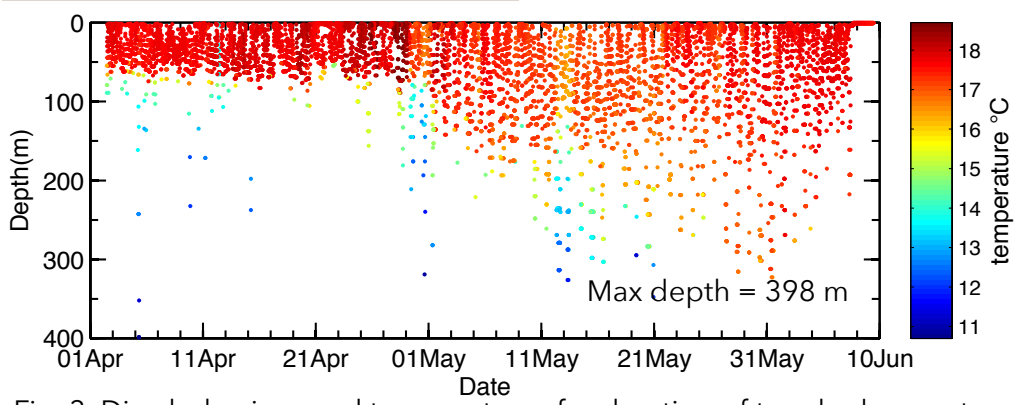


Fig. 3. Dive behaviour and temperatures for duration of tag deployment.

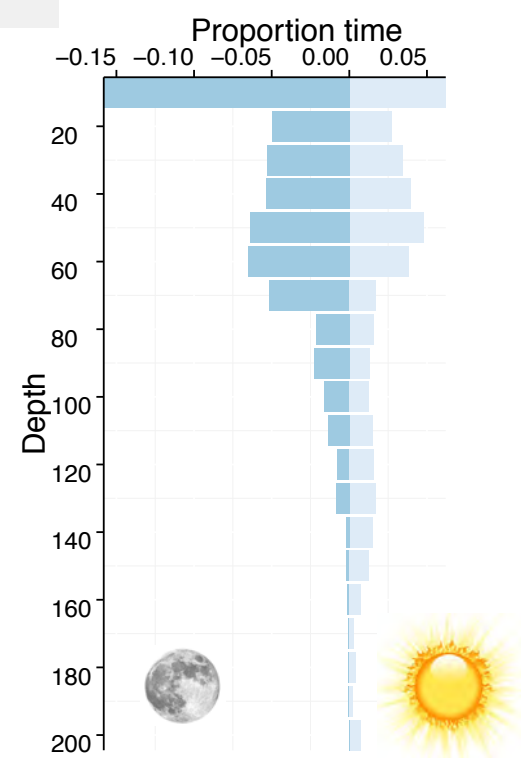


Fig. 4. Proportion of time the individual spent at different depths during the night (darker blue) and day (lighter blue).

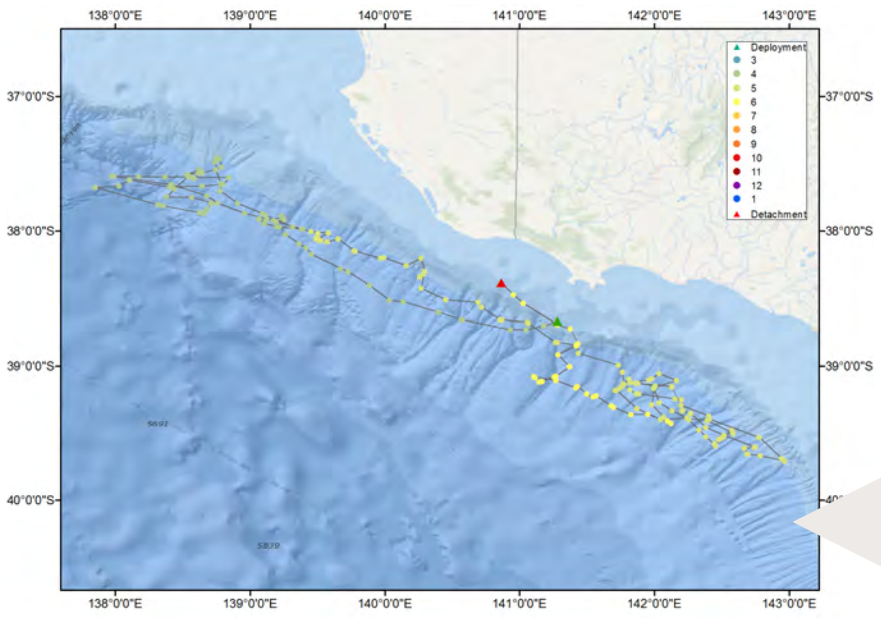


Fig. 5. The most probable track based on light, water temperature and depth based geo-location

Tag ID	128697
Fate	Survived - Premature release
Date range at liberty	10 May 2013 - 19 Jun 2013
Actual tag retention duration	40 days
Program tag retention duration	180 days
Tagging location	Portland, VIC
Tag detachment location	Port MacDonnell, SA
Fish (fork) length	92 cm
Estimated weight (L_W conv)*	14 kg
Hooking location	Mouth hooked
Hooking damage	Minor mouth damage
Hook/lure type	Skirted single J hook lure
Fight time	3 min 11 sec
Processing time	3 min 05 sec
In water recovery time	6 sec
Release condition	Active
Seal interaction time	NA
Comments	NA



Fig. 1. Photo of the fish immediately after landing.



Fig. 2. Photo of the hooking location immediately after landing.

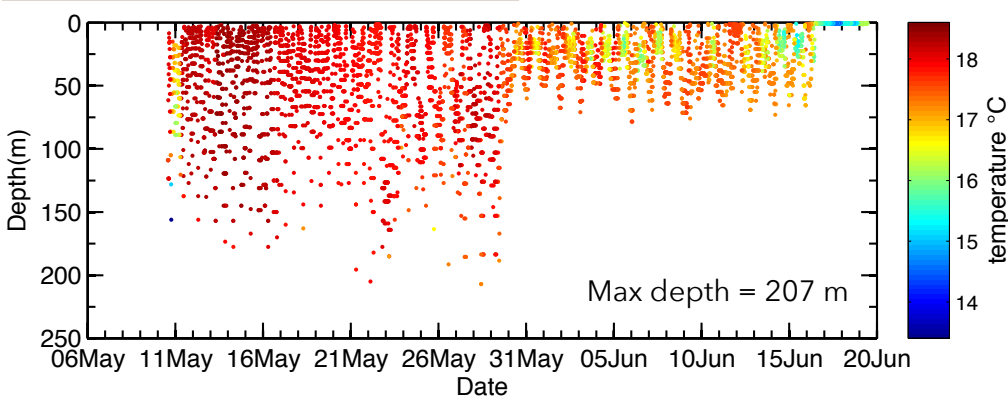


Fig. 3. Dive behaviour and temperatures for duration of tag deployment.

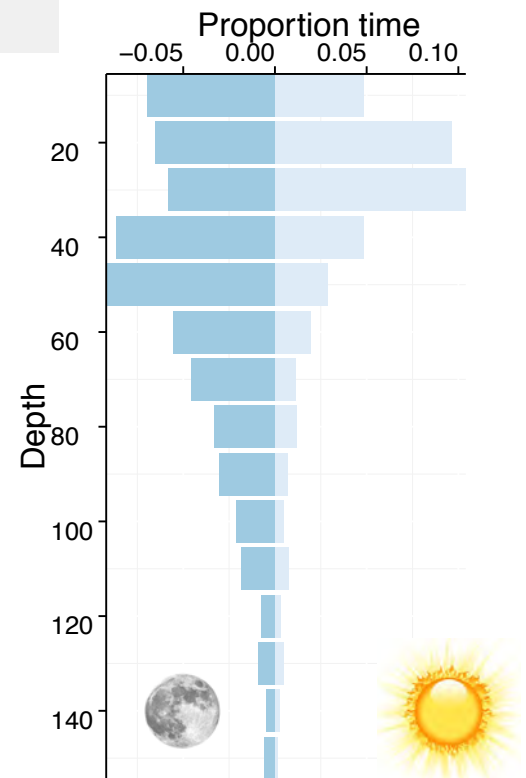


Fig. 4. Proportion of time the individual spent at different depths during the night (darker blue) and day (lighter blue).

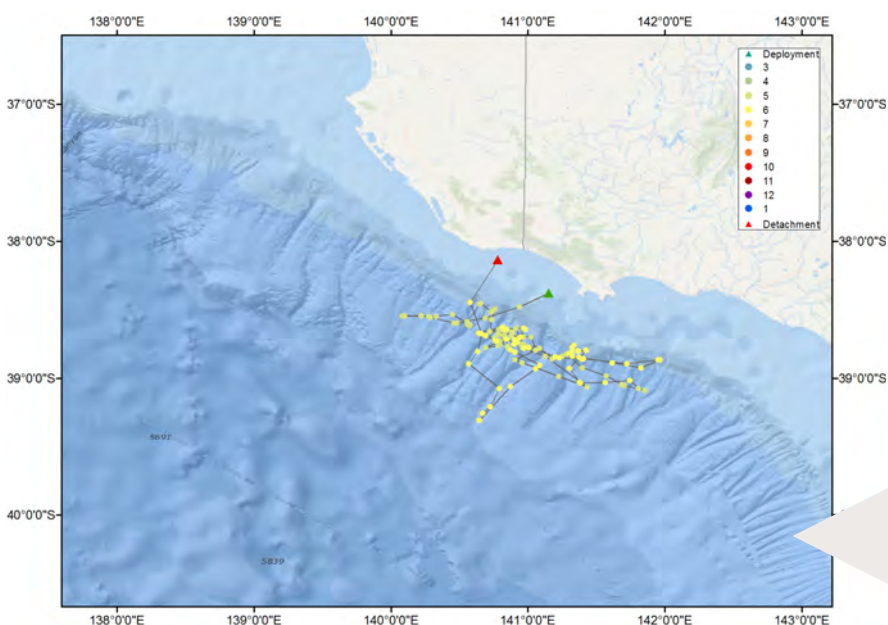


Fig. 5. The most probable track based on light, water temperature and depth based geo-location

Tag ID	128698
Fate	Survived - Premature tag release
Date range at liberty	29 June 2013 - 17 October 2013
Actual tag retention duration	110 days
Program tag retention duration	180 days
Tagging location	Offshore Jervis Bay, NSW
Tag detachment location	Southwest shelf, TAS
Fish (fork) length	128 cm
Estimated weight (L_W conv)*	39 kg
Hooking location	Mouth hooked
Hooking damage	Minor superficial
Hook/lure type	baited circle hook
Fight time	47 min 2 sec
Processing time	2 min 20 sec
In water recovery time	5 sec
Release condition	Active
Seal interaction time	NA
Comments	Carefully lip gaffed to bring into boat

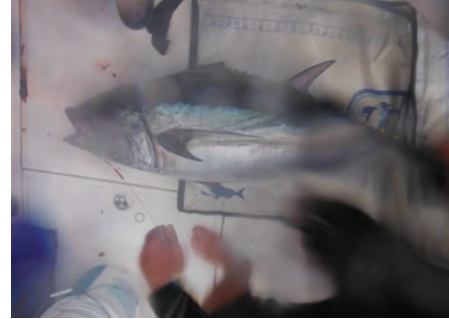


Fig. 1. Photo of the fish immediately after landing.

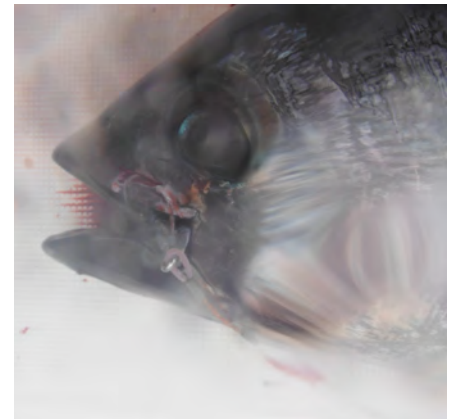


Fig. 2. Photo of the hooking location immediately after landing.

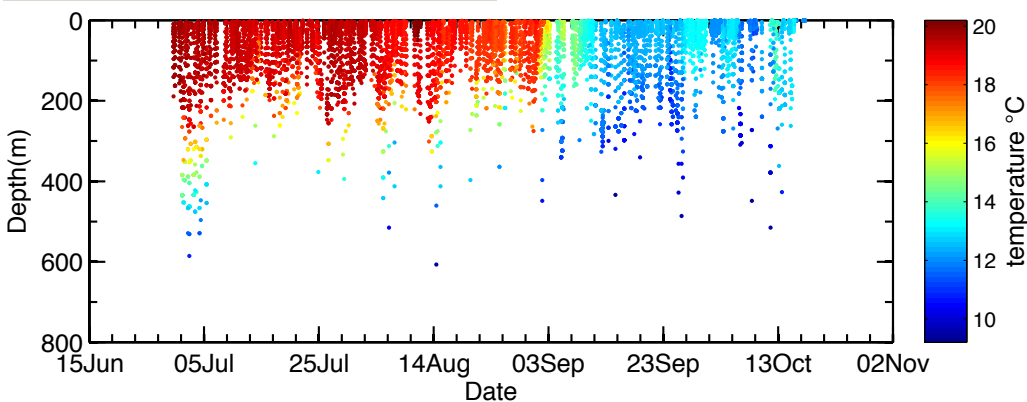


Fig. 3. Dive behaviour and temperatures for duration of tag deployment.

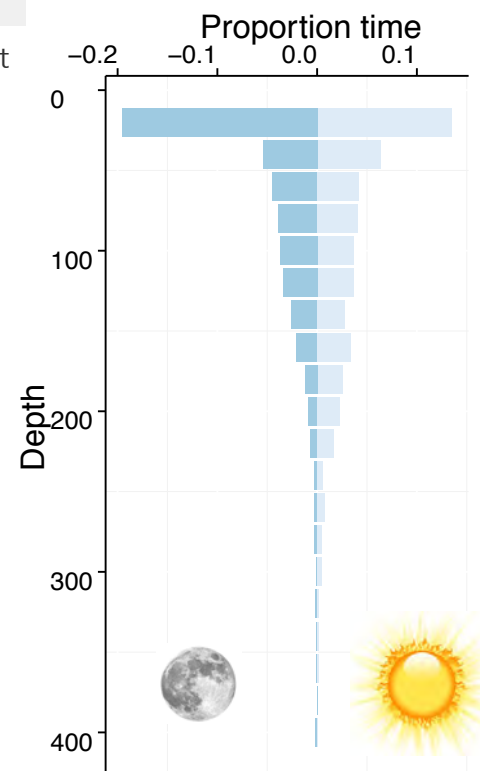


Fig. 4. Proportion of time the individual spent at different depths during the night (darker blue) and day (lighter blue).

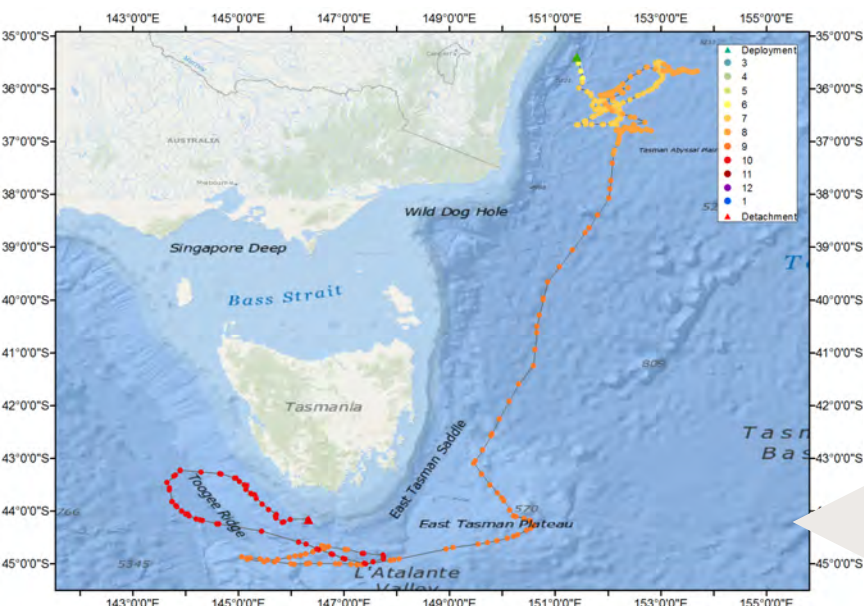


Fig. 5. The most probable track based on light, water temperature and depth based geo-location

<b>Tag ID</b>	128699
<b>Fate</b>	Survived - Premature release
<b>Date range at liberty</b>	12 July 2013 - 7 Nov 2013
<b>Actual tag retention duration</b>	101 days
<b>Program tag retention duration</b>	180 days
<b>Tagging location</b>	Offshore Sydney, NSW
<b>Tag detachment location</b>	Tasman Sea
<b>Fish (fork) length</b>	125 cm
<b>Estimated weight (L_W conv)*</b>	36 kg
<b>Hooking location</b>	Mouth hooked
<b>Hooking damage</b>	Minor mouth damage
<b>Hook/lure type</b>	Baited circle hook
<b>Fight time</b>	3 min 02 sec
<b>Processing time</b>	2 min 37 sec
<b>In water recovery time</b>	7 sec
<b>Release condition</b>	Active
<b>Seal interaction time</b>	NA
<b>Comments</b>	NA



Fig. 1. Photo of the fish immediately after landing.



Fig. 2. Photo of the hooking location immediately after landing.

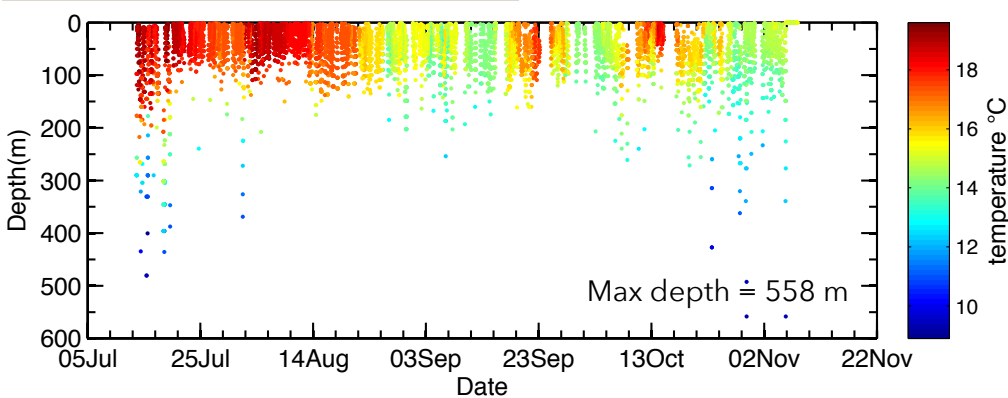


Fig. 3. Dive behaviour and temperatures for duration of tag deployment.

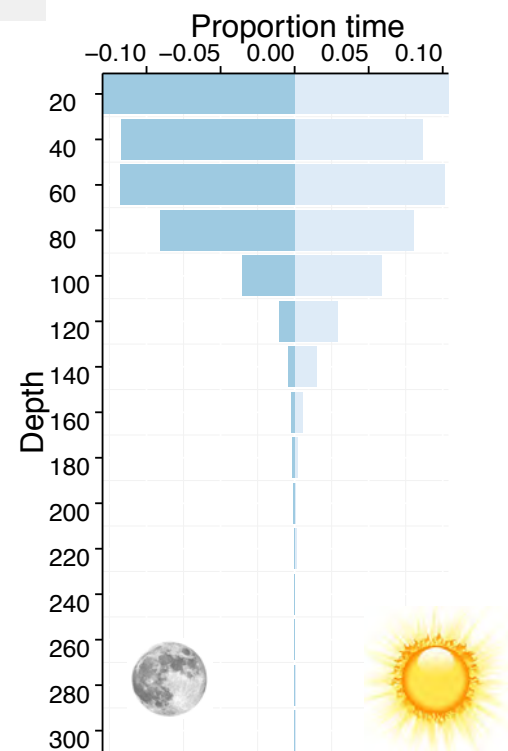


Fig. 4. Proportion of time the individual spent at different depths during the night (darker blue) and day (lighter blue).

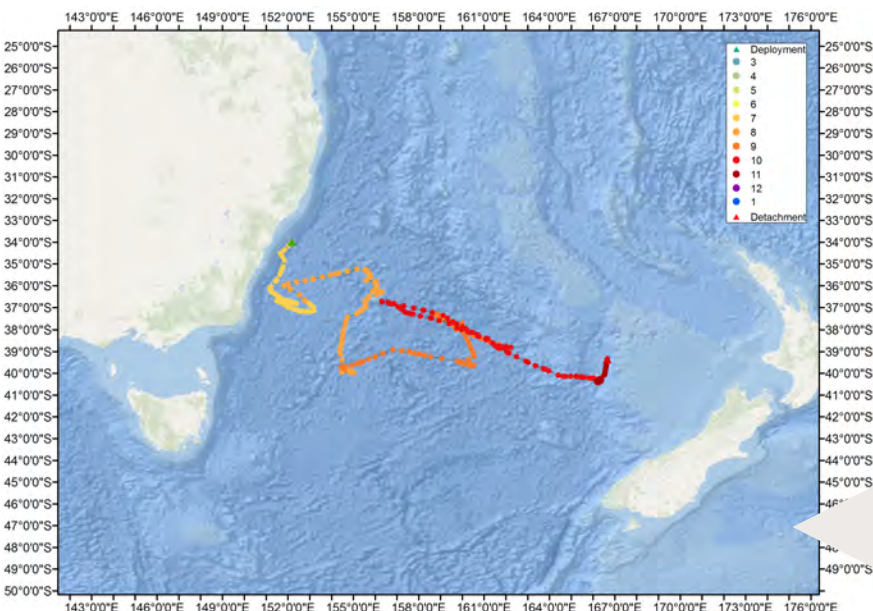


Fig. 5. The most probable track based on light, water temperature and depth based geo-location

Tag ID	133519
Fate	Survived - Premature release
Date range at liberty	25 Jul 2014 - 5 Nov 2104
Actual tag retention duration	103 days
Program tag retention duration	180 days
Tagging location	Offshore Jervis Bay, NSW
Tag detachment location	Tasman Sea, adjacent to Tasmania
Fish (fork) length	120 cm
Estimated weight (L_W conv)*	32 kg
Hooking location	Mouth hooked
Hooking damage	Minor mouth
Hook/lure type	skirted J hook
Fight time	9 min 45 sec
Processing time	2 min 15 sec
In water recovery time	0 sec
Release condition	Vigorous
Seal interaction time	NA
Comments	NA



Fig. 1. Photo of the fish immediately after landing.



Fig. 2. Photo of the hooking location immediately after landing.

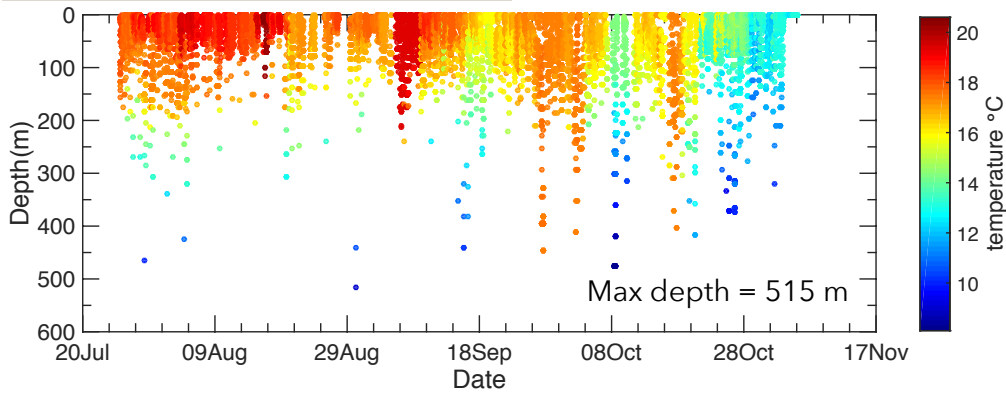


Fig. 3. Dive behaviour and temperatures for duration of tag deployment.

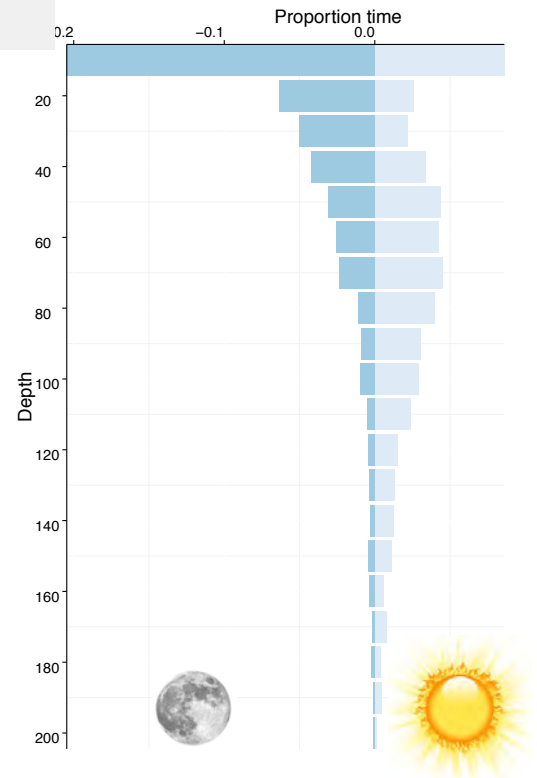


Fig. 4. Proportion of time the individual spent at different depths during the night (darker blue) and day (lighter blue).

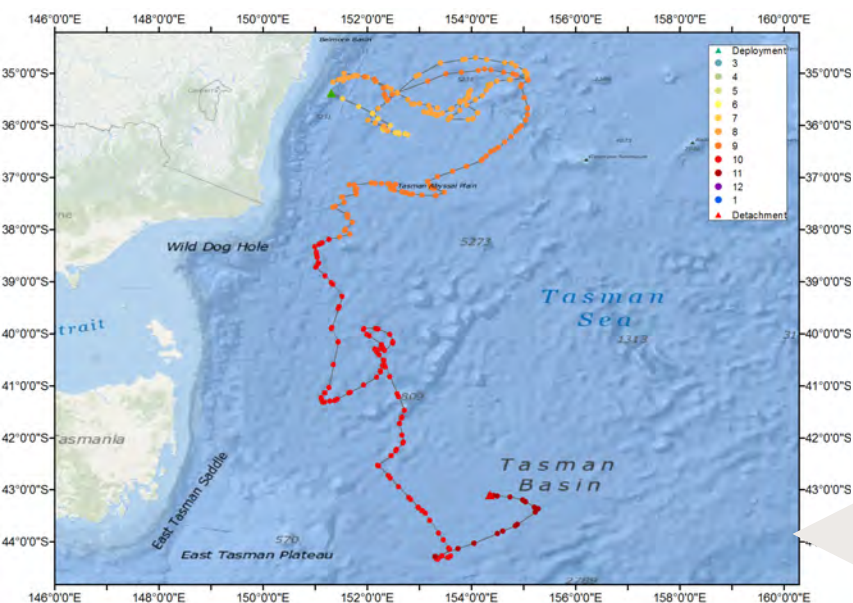


Fig. 5. The most probable track based on light, water temperature and depth based geo-location

Tag ID	133520
Fate	Survived - Premature release
Date range at liberty	23 Jul 2014 - 27 Nov 2014
Actual tag retention duration	130 days
Program tag retention duration	180 days
Tagging location	Offshore Sydney, NSW
Tag detachment location	Tasman Sea, adjacent to Tasmania
Fish (fork) length	155 cm
Estimated weight (L_W conv)*	71 kg
Hooking location	Mouth hooked
Hooking damage	Minor mouth
Hook/lure type	skirted J hook
Fight time	25 min 00 sec
Processing time	2 min 50 sec
In water recovery time	2 sec
Release condition	Active
Seal interaction time	NA
Comments	NA



Fig. 1. Photo of the fish immediately after landing.



Fig. 2. Photo of the hooking location immediately after landing.

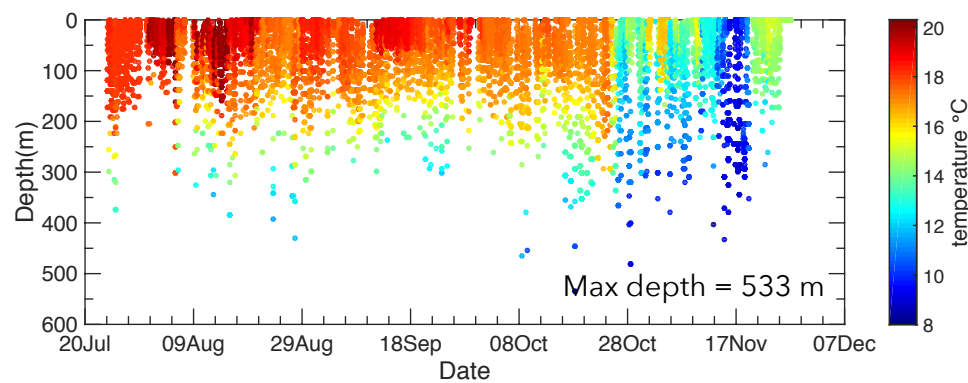


Fig. 3. Dive behaviour and temperatures for duration of tag deployment.

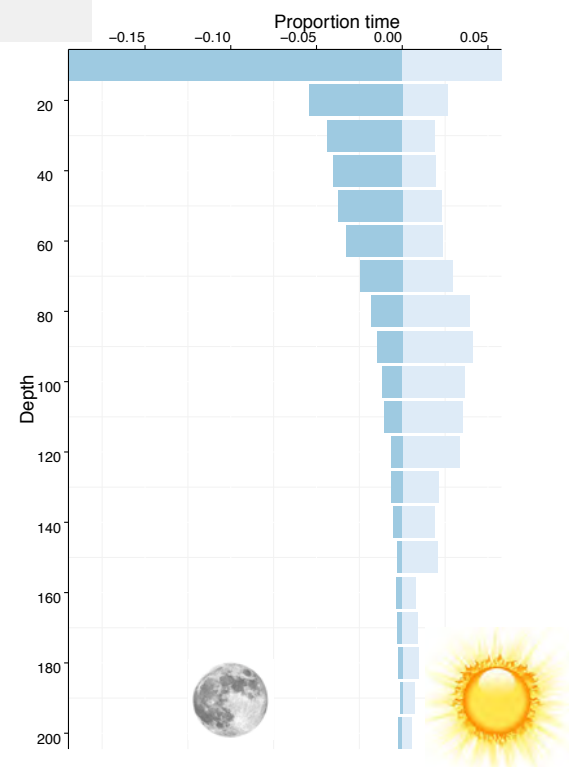


Fig. 4. Proportion of time the individual spent at different depths during the night (darker blue) and day (lighter blue).

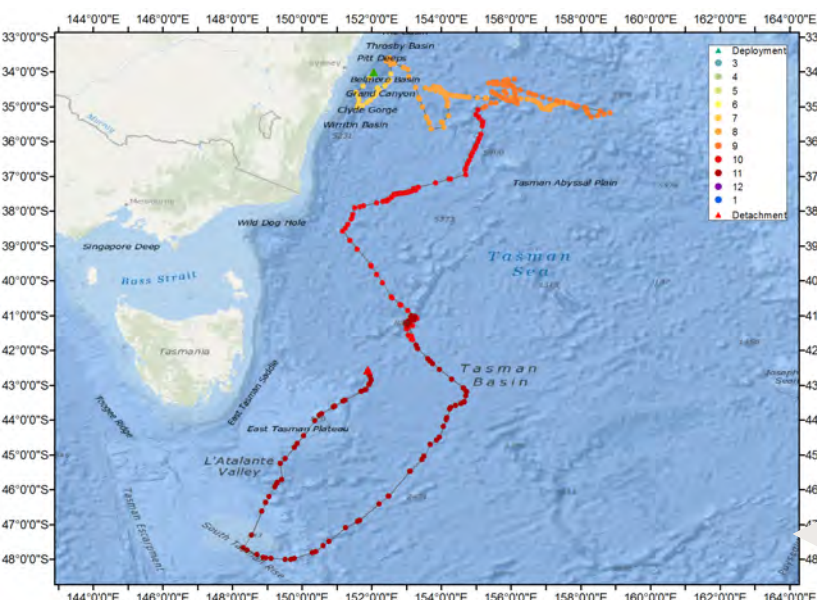


Fig. 5. The most probable track based on light, water temperature and depth based geo-location

<b>Tag ID</b>	133521
<b>Fate</b>	Survived - Full term
<b>Date range at liberty</b>	25 Jul 2014 - 19 Jan 2015
<b>Actual tag retention duration</b>	180 days
<b>Program tag retention duration</b>	180 days
<b>Tagging location</b>	Offshore Jervis Bay, NSW
<b>Tag detachment location</b>	West coast of New Zealand
<b>Fish (fork) length</b>	131 cm
<b>Estimated weight (L_W conv)*</b>	41 kg
<b>Hooking location</b>	Mouth hooked
<b>Hooking damage</b>	Minor mouth
<b>Hook/lure type</b>	skirted J hook
<b>Fight time</b>	22 min 10 sec
<b>Processing time</b>	3 min 50 sec
<b>In water recovery time</b>	10 sec
<b>Release condition</b>	Active
<b>Seal interaction time</b>	NA
<b>Comments</b>	NA



Fig. 1. Photo of the fish immediately after landing.



Fig. 2. Photo of the hooking location immediately after landing.

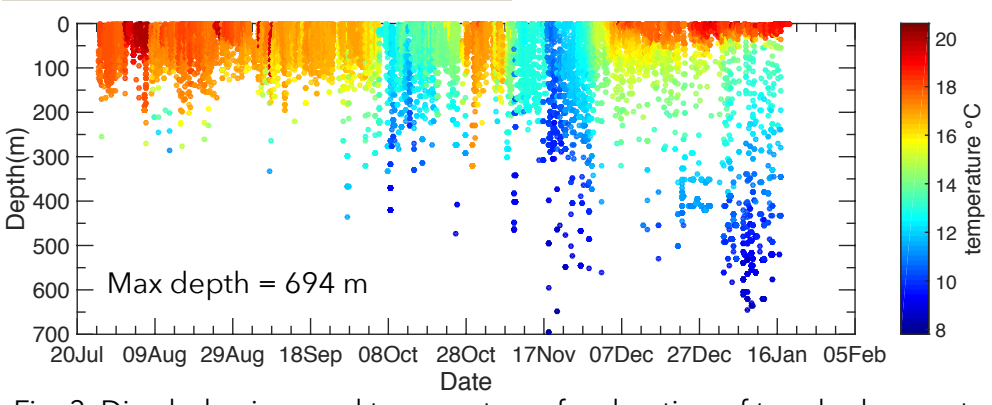


Fig. 3. Dive behaviour and temperatures for duration of tag deployment.

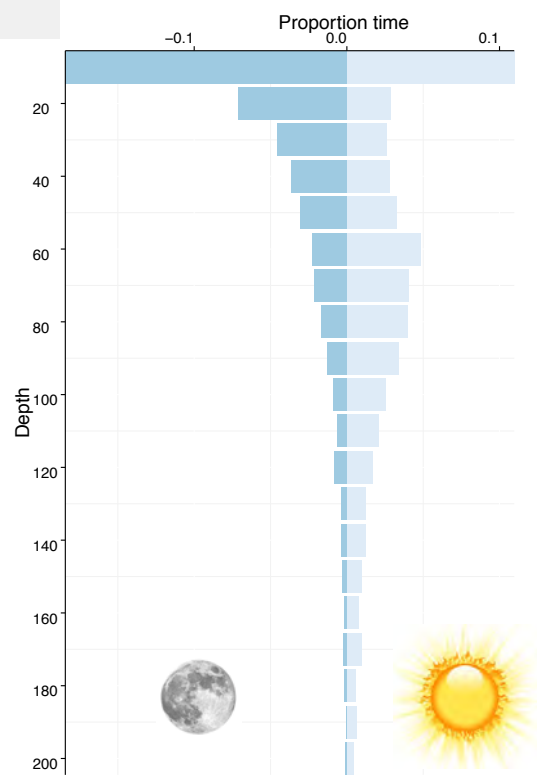


Fig. 4. Proportion of time the individual spent at different depths during the night (darker blue) and day (lighter blue).

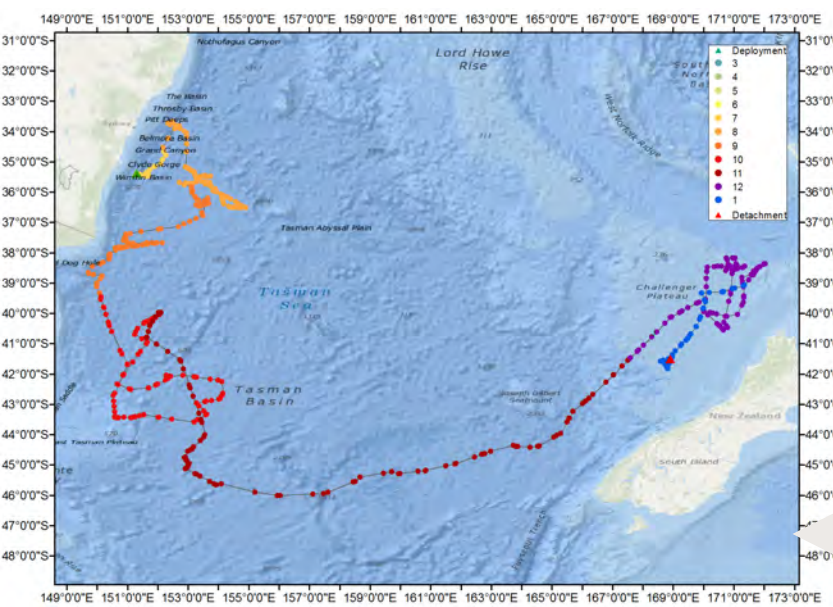


Fig. 5. The most probable track based on light, water temperature and depth based geo-location