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Abundance, production, and migrations of nesting green turtles at Rose Atoll, American Samoa, a regionally important rookery in the Central South Pacific Ocean

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Sea turtles are a taxon of conservation concern and are highly migratory, exposing them to a variety of threats (e.g., fisheries bycatch, direct harvest) across their lifetime. Understanding the abundance of nesting females, hatchling production, and migratory movements - three of the most basic biological data needs for this species group - is imperative for population assessment. This study summarizes novel data most relevant to population assessments of the endangered central south Pacific (CSP) green turtle (*Chelonia mydas*) population, determined from annual rapid assessment surveys (mean survey duration=7.6 days year^{-1}, n=61 survey days over 8 nesting seasons) and satellite telemetry at Rose Atoll, American Samoa, from 2012 to 2019. A minimum of 138 unique females nested in the Rose Atoll National Wildlife Refuge (RANWR) over the study period with 218 total females observed. Satellite tracks of post-nesting females suggest Fiji (n=33/48, 70.2%) is the primary foraging ground for turtles nesting at RANWR, though other areas throughout the south Pacific Ocean are also important. Limited data suggest hatchling production was high (average hatching success=92.3%) and nest temperature data collected from 2017-2019 suggest primary sex ratios were likely balanced during this time. These are positive signs for the resilience of this nesting population, but climate change poses threats to RANWR and other low-lying tropical islands throughout the central south Pacific, as nesting areas are potentially exposed to beach erosion, tidal inundations, and increasing temperatures leading to sex bias and embryonic death.

KEYWORDS

Chelonia mydas, population assessment, nesting ecology, spatial ecology, hatching success, nest temperature, climate change, conservation

1 Introduction

Effective wildlife management requires an understanding of the basic biological attributes (e.g., reproductive rates and hatching success) of the species to be managed (Beissinger and Westphal, 1998; Meretsky et al., 2011). Sea turtles are a taxon of conservation concern and are highly migratory, exposing them to a variety of anthropogenic threats (e.g., fisheries bycatch and direct harvest, Lewison et al., 2014; Fuentes et al., 2023) across their lifetime (Wallace et al., 2010; Seminoff et al., 2015). Sea turtle population status is commonly assessed by quantifying the number of nesting females in a population and incorporating key productivity parameters such as annual nester abundance (e.g., Mazaris et al., 2017), number of clutches laid (e.g., Broderick et al., 2006), hatchling production (e.g., Brost et al., 2015), and threats (e.g., NRC, 2010). Given this context, understanding the abundance of nesting females, hatchling production, and migratory movements - three of the most basic biological data needs for this species group - is imperative for population assessment.

The green turtle (*Chelonia mydas*) is found in tropical and temperate regions of the world's oceans (Seminoff, 2023). The high consumptive and economic value of green turtle eggs, meat, and skin has resulted in severe population declines in many regions (Hirth, 1993; Grant et al., 1997; Craig, 2002; McClenachan et al., 2006), leading to the listing of the species as threatened or endangered (Seminoff et al., 2015) under the United States Endangered Species Act (ESA) in 1978, and as endangered on the International Union for Conservation of Nature (IUCN) Red List of Threatened Species (Allen et al., 2023) in 1982 (Groombridge and Wright, 1982). Subsequent to historical overexploitation (McClenachan et al., 2006; Kittinger et al., 2013), management and conservation efforts executed since the enactment of those pieces of legislation have led to important regional population recoveries (Chan, 2006; Chaloupka et al., 2008; Dutton et al., 2008; Mortimer et al., 2011; Seminoff et al., 2015), highlighting resilience of the species. Still, the conservation challenges confronting the species vary widely across the globe (Wallace et al., 2010; Seminoff et al., 2015).

To recognize these differences, distinct population segments (DPS) were developed under the ESA and regional management units (RMU) under the IUCN that allow for regional adaptations of management approaches (USFWS and NOAA, 1996; Seminoff et al., 2015; Wallace et al., 2023). A total of 11 green turtle DPS units and 17 RMUs are currently recognized globally, including the central south Pacific (CSP) DPS/RMU, which extends north from New Zealand to Fiji, Tuvalu, and Kiribati and east to include French Polynesia (Wallace et al., 2010; Seminoff et al., 2015). Despite little information of nesting abundance, a recent assessment estimates there are 3,000 nesters in the entire CSP DPS that are primarily threatened through persistent harvest of adults and eggs (Seminoff et al., 2015). Despite these general descriptions of the CSP DPS, green turtle nesting levels and trends remain poorly understood for many rookeries in the region (Craig et al., 2004; Seminoff et al., 2015). Scilly Atoll, French Polynesia has had the highest number of green turtle nesters recorded for the CSP DPS, which was estimated at 300-400 annually in the 1990s (Balazs et al., 1995; Allen et al., 2023), followed by (in rank order) Tokelau, Cook Islands, Kiribati, American Samoa, Fiji, Tuvalu, Tonga, and UK overseas territory (Seminoff et al., 2015). Previous research carried out at Rose Atoll National Wildlife Refuge (RANWR) in American Samoa (e.g., Tuato`o-Bartley et al., 1993; Grant et al., 1997; Craig et al., 2004) suggested the area may host one of the most important rookeries in the CSP DPS, but more data are needed as reliable information on nesting levels and post-nesting migrations remains limited (Tuato`o-Bartley et al., 1993; Craig et al., 2004; Seminoff et al., 2015).

In this study we present the results of rapid-assessment nesting beach surveys conducted annually at RANWR from 2012 to 2019 to determine nesting female abundance and hatchling production, as well as the findings from satellite tags deployed on post-nesting females and drifting buoys ("drifters") to elucidate distant foraging habitats and hatchling dispersal pathways. In doing so, we provide the most comprehensive dataset on green turtle nesting, productivity, and spatial ecology for this data-poor population. We also present information on the importance of Rose Atoll, which can inform future assessment and management endeavors.

2 Materials and methods

2.1 Study site

Established in 1973, RANWR is part of American Samoa, which is a U.S. Territory located east of the nation of Samoa, in the CSP (Figure 1). The RANWR is located within the Rose Atoll Marine National Monument, which was established in 2009. Rose Atoll, also known by its Samoan names Muliāva (the end of the reef) or Motu o Manu (island of seabirds), is a remote and uninhabited atoll made up of

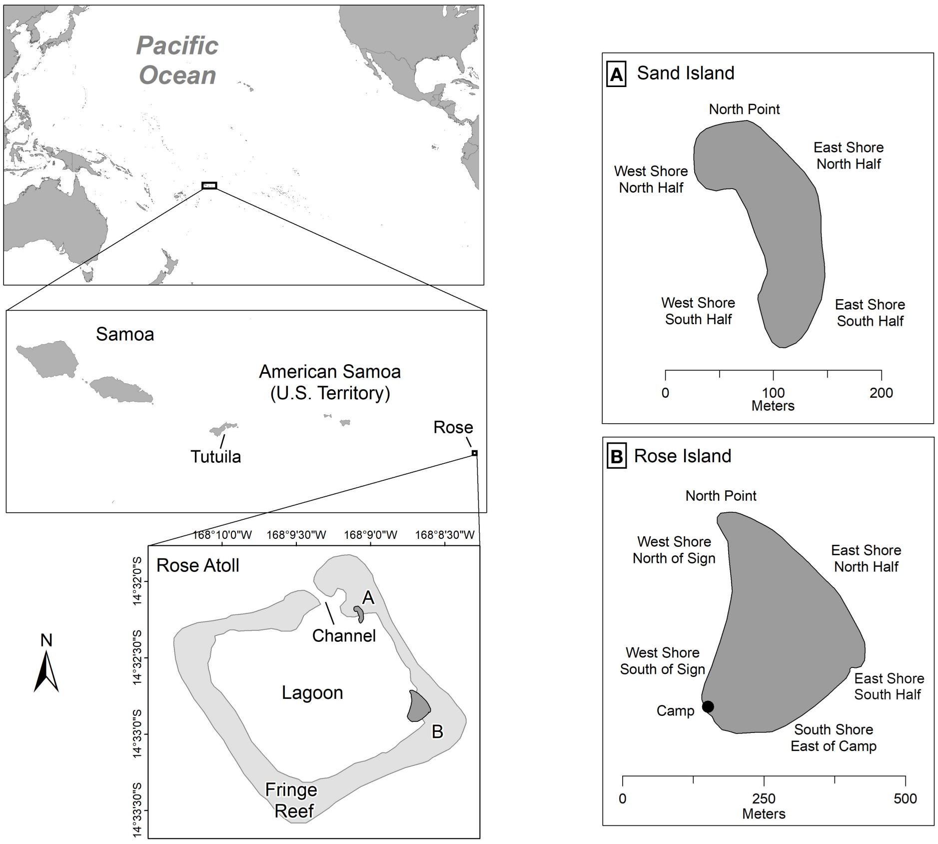

FIGURE 1
Map depicting the location of Rose Atoll, American Samoa in the Central South Pacific, with insets of **(A)** Sand Island and **(B)** Rose Island, including beach sector names.

two separate islets, non-vegetated Sand Island and highly densely vegetated Rose Island (Figure 1). Combined, these two islets account for approximately 21 acres (0.085 sq. km.) of terrestrial habitat, with a maximum height of four meters above sea level. The islets are connected by a submerged fringe reef that surrounds a central lagoon with a single access channel along its northern extent. RANWR is an important, federally protected habitat for 17 species of seabirds and shorebirds and green and hawksbill sea turtles (Peck et al., 2016). There are six types of vegetation on Rose: open canopy; coconuts; *Heliotropium* scrub; young *Heliotropium* forest; mature *Heliotopium* forest; and mixed forest (American Samoa Department of Marine and Wildlife Resources unpublished data). The beach consists of loose basalt but is mainly made up of sand and shell/coral rubble (Pendleton, 2014). Public access to the refuge is prohibited and no permanent structures exist on the atoll except for a sign discouraging trespassing. Researchers used mid-size charter vessels (11-14 m) to travel to Rose Atoll from Pago Pago, Tutuila (276 km; 8-12 hours) (Figure 1).

2.2 Nesting beach surveys

2.2.1 Overview

Fourteen annual rapid assessment surveys of nesting activity consisted of temporary camps (3-7 nights) on Rose Island with up to six researchers conducting night surveys. Additional opportunistic trips occurred throughout the year by the United States Fish and Wildlife Service (USFWS) Refuge Manager. The peak nesting period was estimated to be November through December, similar to Scilly Atoll, French Polynesia which estimated their peak from November through January (Touron et al., 2018). NOAA tide predictions (https://bit.ly/3GTfEZT) were reviewed prior to scheduling each trip to allow for optimum high tide night surveying for the week on Rose Island. The high tide allows the nesters to easily swim or climb over the shallow coral reef that surrounds the island and crawl ashore to nest. Due to the logistical challenges associated with accessing Sand Island from the base camp on Rose Island, monitoring on Sand Island was conducted opportunistically during the day and limited to documenting evidence of nesting (i.e., not encountering females). Seven beach sections were established for Rose Island and five beach sections for Sand Island (Figure 1) to facilitate the recording of nesting activity locations. Sporadic sea turtle monitoring at RANWR was conducted from 1971 to 1992 (NMFS, unpublished data), and although we do not include the results of those efforts here, we reference their findings (Tuato`o-Bartley et al., 1993; Grant et al., 1997) throughout the manuscript.

2.2.2 Night surveys

Night nesting surveys consisted of beach walks circumnavigating Rose Island to encounter nesting turtles and document nesting activity. Surveys were initiated prior to dusk and ended either 1) at sunrise, 2) when no nesting activity was observed for two consecutive hours after midnight, or 3) if severe weather or a tsunami warning arose. When turtles were first encountered, either crawling up the beach or returning to the ocean, the primary goal was to assign a temporary unique alpha-numeric identification code to the carapace using non-toxic appliance paint (Rustoleum® Appliance Epoxy Touch Up Paint, Vernon Hills, IL, United States) in order to count the total number of turtles encountered each year. The secondary goal was to permanently tag turtles if time permitted upon first sighting or if turtles were resighted (with temporary caparace identifiers) upon subsequent days within the same survey year in order to assess population abundance.

Once a turtle completed nesting or was in the process of returning to the ocean without nesting, attempts were made to restrain the turtle with a portable wooden box or with two people, to collect morphometrics, skin samples, and apply permanent tags. Morphometrics included curved carapace length (CCL) and curved carapace width (CCW). Skin samples were collected from the hind flipper, shoulder, or neck region following established protocols (Dutton, 1996). Metal Inconel self-piercing tags (National Band and Tag Company, Newport, KY, United States) were applied to either the front or hind flippers and preloaded sterile passive integrated transponder (PIT) tags (Biomark®, Boise ID, United States) were inserted into the muscle of both shoulder areas of each turtle. Additional data collected for each turtle included species, date, time, site, tumor presence, injuries, and GPS coordinates.

Data were also recorded on which nesting activity (crawl, body pit, chamber, lay, cover, or return) the turtle was engaged in at the time of first observation, as well as the ultimate determination of whether a clutch was successfully laid or not (false crawl, unconfirmed nest, or confirmed nest). For the observed nesting activities: "Crawl" is moving out of the water onto sand or moving around the beach and not heading back into the water; "Body Pit" is the use of the front flippers and body to create a depression in the sand; "Chamber" is the use of the hind flippers to dig a hole in the Body Pit to contain the eggs; "Lay" is the observation of eggs; "Cover" is the hind flippers filling the chamber with sand, sand is being patted down over the chamber, or the front flippers were sweeping large amounts of sand in the Body Pit; and "Return" is heading down from the beach into the water. For nesting success determinations, we define a "False Crawl" as a turtle emerging to nest, but later returning to the water without laying eggs; an "Unconfirmed Nest" references a turtle not observed laying eggs but covering an area repeatedly using her front or hind flippers to spread sand over the body pit; and "Confirmed Nest" is when eggs were observed.

When possible, eggs were counted during oviposition (n=67 nests, Supplementary Table 1) and a temperature data logger (Onset HOBO® TidbiT®, Bourne, MA, United States; n=51, Supplementary Table 2) was placed into the middle of the nest approximately midway through the egg laying process. The temperature loggers were programmed to collect the temperature every two hours (accuracy ± 0.21°C, resolution 0.02°C). The retrieval of the loggers occurred periodically throughout the year during additional visits to the atoll by the USFWS Refuge Manager; nest excavations (see below) were initiated by the USFWS Refuge Manager in 2017.

Hatchlings found during the survey period were measured and weighed. Most hatchlings were opportunistically encountered scurrying near the field camp and were, therefore, not linked to an identified nest. In one instance, 13 individuals were sampled from a single nest. The CCL and CCW were collected with a flexible measuring tape, straight carapace length (SCL, cm) and straight carapace width (SCW, cm) were obtained with a caliper, and weight (g) was measured with a digital scale. Once morphometrics were collected the hatchling was then released (Supplementary Table 3).

2.2.3 Day observations

Morning or early afternoon surveys were also conducted at Sand Island when feasible. We counted all tracks encountered and traced the tracks back to a nest or "Body Pit", if possible. Additional data collected included date, time, site, and GPS coordinates of all nesting activity. All turtle tracks were subsequently raked or cleared manually to ensure they were not recounted during subsequent surveys. Day observations were suspended if the team encountered severe weather conditions.

2.2.4 Nest excavations

Daytime surveys also included locating and excavating nests, either with known GPS coordinates from previous years, or incidentally encountering an unknown nest. Due to time limitations, excavations were conducted opportunistically by the USFWS Refuge Manager upon return to RANWR to conduct other research projects. The date, time, site, ID of the nester (if known), GPS coordinates, shade cover over the nest (i.e., vegetation cover), and surface substrate of the nest were recorded. In brief, sand and coral rubble were slowly swept away from the top of the egg chamber until the nest remains were encountered. All nest remains were carefully removed and placed on the surface for further evaluation.

Nest contents were then categorized as follows (Miller, 1999): "S" for shells that were >50% whole; "L" for live hatchlings still in the nest; "D" for dead hatchlings found out of the shell and still in the nest; "UD" for unhatched eggs that were undeveloped with no embryo present; "UH" for unhatched eggs with embryo present; "UHT" for unhatched egg with full-term embryo present (see Miller, 1999 for detailed description); "P" for eggs that have nearly whole shells but have been opened (i.e., predated); and "E" for emerged hatchlings that have left the nest. Using these terms and the following formulas from Miller (1999), hatching and emergence success were calculated as follows (see Table 1):

$$\text{Total clutch size} = E + L + D + UD + UH + UHT + P$$

$$E = S - (L + D)$$

$$\text{Hatching success}\ (\%) = [S/(S + UD + UH + UHT + P)] \times 100$$

$$\text{Emergence success}\ (\%) = [(S - (L + D))/(S + UD + UH + UHT + P)] \times 100$$

All live hatchlings encountered (n=28) during nest excavation were placed into a container with wet sand and then released into

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TABLE 1 Reproductive success data including nest lay date, # of eggs laid, nest excavation date, nest content inventory, and hatching and emergence successes (n=18).

Nest ID#	Turtle ID#	Nest Date	Clutch Size	Excavation Date	# Live	# Dead	# Empty Egg Shells	# No Embryo	# Embryo present	# Full-term Embryo	# Unhatched Broken Eggs	# Predated	# Unopened Eggs	# Estimated Egg Laid	Hatching success %	Emergence success %
B1	982.000167795602	12/1/16	90	3/23/17	0	0	89	4	0	0	0	0	0	89	95.70	95.70
A3	982.000364208917	12/1/16	107	3/23/17	0	0	107	7	0	0	0	0	0	107	93.86	93.86
B5	982.000364285845	12/1/16	92	3/23/17	0	0	113	1	0	0	0	0	0	113	99.12	99.12
B2	982.000167841177	12/2/16	117	3/23/17	0	0	107	4	1	1	0	0	0	107	95.54	95.54
A1	982.000364287718	12/2/16	69	3/23/17	0	0	116	2	0	0	0	0	0	116	98.31	98.31
D3	982.000364284645	12/3/16	94	3/23/17	0	0	109	4	0	0	0	0	0	109	96.46	96.46
E7	982.000167828065	12/4/16	106	3/23/17	0	0	103	5	0	0	0	0	0	103	95.37	95.37
E3	982.000167838247	12/4/16	82	3/23/17	0	0	68	33	0	0	0	0	0	68	67.33	67.33
A1	982.000402167018	11/30/17	79	6/24/18	0	0	127	0	0	0	0	0	0	127	100.00	100.00
B5	20171201RONE5	12/1/17	89	6/23/18	0	0	115	0	0	0	0	0	0	115	100.00	100.00
B3*	982.000402167085	12/2/17	117	12/8/18	10	1	0	0	0	0	0	0	0	-11	–	–
D1	982.000402166566	12/3/17	125	6/24/18	0	0	131	0	0	0	0	0	0	131	100.00	100.00
C1	982.000402163323	12/2/17	110	6/23/18	0	0	89	0	0	0	0	0	0	89	100.00	100.00
C3	982.000402162829	12/2/17	107	12/10/18	0	0	109	0	0	0	0	0	0	109	100.00	100.00
B1	982.000402162457	12/3/17	107	6/24/18	0	0	108	0	0	0	0	0	0	108	100.00	100.00
C15	982.000402163649	12/3/17	94	12/10/18	0	0	44	31	0	17	0	0	0	44	47.83	47.83
2	982.000364289376	2/1/18	106	12/9/18	0	0	78	18	0	0	25	0	0	78	81.25	81.25
U	U	U	U	12/9/18	13	0	76	0	0	0	0	1	8	63	98.70	81.82

*Due to the discrepancy between clutch size (estimated at the time of oviposition) and excavation data, hatching success and emergence success were not calculated for this nest.

the ocean after dusk to decrease the risk of predation. Starting in 2018, additional information such as hatchling entrapment, debris found in the nest, whether photos or video were taken, and samples collected were also recorded (Supplementary Table 4). If samples were collected, they were stored in vials or plastic bags filled with saturated salt.

2.2.5 Temperature data processing and analysis

Nest temperature data were downloaded from the data loggers with an Onset® Optic USB Base Station shuttle (Onset Computer Corporation, Bourne, MA, United States) using HOBOware® v.3.7.23. All data were tabulated, analyzed, and graphed using Microsoft Excel v.14.16.2 to determine whether the data were downloadable, and then further processed in *R* (R Core Team, 2022). We used the maximum nest temperature to infer hatching date, as nest eruption was not observed, and excavations were conducted weeks or months after the nest hatched. Nest temperatures typically increase throughout the incubation period as metabolic heating is generated by embryonic growth (Fleming et al., 2020; Gammon et al., 2020). The temperature peaks as the hatchlings emerge from their shells, causing the temperature in the nest to steadily drop as the hatchlings move towards the surface. Thus, we calculated the incubation period as the lay date through the date with the maximum nest temperature. We computed summary statistics on temperature data falling within the middle third of the incubation period, as there is evidence for that being the critical window for sex determination in marine turtles (Mrosovsky, 1980; Rees et al., 2016; Girondot et al., 2018).

2.3 Satellite transmitters

2.3.1 Animal-borne tag deployments

We equipped post-nesting female turtles with satellite transmitters (“tags”) manufactured by Wildlife Computers (SPLASH, SPOT, MK-10; Redmond, WA, United States) or Desert Star Systems (Sea Tag-MOD™; Marina, CA, United States). The goal was to deploy five to ten transmitters per year on turtles with good body condition. Turtles were enclosed in a portable wood box (1.3 cm plywood, dimensions: 121.9 cm x 121.9 cm x 60.9 cm) throughout the tag application process. Transmitters were attached to the highest point of each turtle’s carapace using a two-part epoxy (Hart et al., 2015).

2.3.2 Drifter tag deployments

We also deployed solar-powered surface-drifting buoys equipped with satellite tags (SeaTag-GEO™; Desert Star Systems, LLC, Marina, California, USA) to gain insights into potential hatchling dispersal pathways. These tags (n=12) were deployed from a vessel just inside (n=2) or outside (n=2) the channel along the northern edge of Rose Atoll’s fringe reef in 2013, 2018, and 2019.

2.3.3 Data processing and analysis

Satellite tag locations (both drifter and animal-borne) were acquired and transmitted via Argos (Landover, Maryland) satellites. This included both Fastloc® GPS locations (when equipped) as well as Argos locations derived using the Kalman geoprocessing algorithm, the latter being categorized into one of six location classes (LCs). To exclude biologically unrealistic locations (i.e., extreme location error) we applied the SDA (speed, distance, angle) filter of Freitas et al. (2008) using the *R* package trip (Sumner et al., 2009; Sumner and Luque, 2011; sdafilter() function). The running average speed threshold used was (18 km h^{-1}). Following removal of extreme outliers, animal locations were separated into movement phases - inter-nesting, migration, and foraging phases - by identifying the inflection points of the individual displacement curves of the turtle (see Gaos et al., 2012 and references therein). To do so, the distances of all transmitted locations from the initial location were plotted. For inter-nesting and foraging phases, the plot is very flat, but for the migration phase there is a rapid increase in distance from the initial location. The migration phase is then determined to be those locations that fall between the inflection points at the start and end of the rapid dispersal portion of the time series. To automate the determination of the inflection points we fit an adaptive penalized generalized additive model (GAM) to the dispersal time series data using the *R* package mgcv (Wood, 2003). Using daily differences of the fitted values we obtained estimated daily rates of dispersal. A time interval was a migration interval if the estimated daily dispersal rate was >10 km d^{-1} and significantly different from 0 km d^{-1}. To avoid unrealistic rapid switching between movement phases, we also imposed the constraint that a phase must be >7 days in length. The cu_migration_det() function for performing this analysis is available in the *R* package crawlUtils (https://github.com/dsjohnson/crawlUtils). After processing, dispersal plots color coded by movement state were examined by hand to make sure phases were appropriately delineated by the procedure. Drifter borne tags were not processed for migration periods, but they were speed filtered in the same manner.

After speed filtering and the movement behavior portions of the deployments were determined, a continuous-time correlated random walk model was fitted to the remaining locations with the crawl package (Johnson et al., 2008) using the crawlUtils package as an interface. For animal borne tags, the model was parameterized with a different movement process for each of the three phases. For drifter tags, only a single movement type was modeled. After fitting, locations were estimated on an hourly basis. Travel distances were calculated for each individual using the hourly locations and the *R* package sf (Pebesma, 2018). The modeling and prediction allowed us to account for the location error of the telemetry devices so that travel distance is not artificially inflated by simple linear interpolation between the observed points with location error. In the case of the animal-borne tags, the full track was modeled, as opposed to just the migration portions, to allow observations during inter-nesting and foraging portions to help inform estimates of location error. The separate movement parameters were used to more accurately model differences in movement within each phase.

Animal-borne tag data were used to estimate inter-nesting interval (days between consecutive nests), nesting season duration (days between first and last nest for individuals), and timing of peak nesting activity for this population. First, we visually inspected haul out locations by plotting coordinates to confirm that they were indeed on land and representative of nesting activity. For cases in which there were multiple days of nesting attempts, we used the final date as the lay date. For any period, greater than 18 days but less than 27 days, we assumed there was a single nesting event missed by the satellites, and split it into two even intervals (9.5-13.5 days); all periods representing more than one missed nest were eliminated. We applied a linear mixed model to the calculated periods to account for individual variation across nesters (R Core Team, 2022). The product of the modeled mean inter-nesting interval and an assumed clutch frequency of 6 clutches per season (based upon a range of 5-7 nests in the nearby Central West Pacific population, Summers et al., 2018) yielded an estimate of nesting duration within a season. A starting date for each nester was estimated using the post-nesting departure date (confirmed using satellite tag locations) and back-calculating the estimated nesting season duration. Timing of peak nesting was then determined via a density plot of the number of females nesting across a range of dates.

3 Results

3.1 Overview

During 2012-2019, a total of 14 research trips to Rose Atoll occurred, including one trip annually from 2012-16, followed by two trips in 2017, five trips in 2018, and two trips in 2019. U.S. Fish and Wildlife Service (USFWS), American Samoa Department of Marine and Wildlife Resources (AS DMWR), and U.S. National Park Service participated in collecting the data, therefore, data collection efforts may have differed slightly as trips were not specifically focused on turtle surveys. Monitoring effort consisted of an average of 4.7 ± 1.9 days (range 1-7 days) per trip, for a combined total of 61 days (Table 2).

3.2 Nesting beach surveys

We identified a median of nine turtles per research trip (range 0-80 turtles), and a total of 218 turtles across all trips (Table 2). No turtles were identified during one trip each in 2017 (1 day) and in 2018 (2 days), and the most turtles (n=80) were identified during the six-day trip in 2017. Unique permanent identification tags were applied to 138 of the 218 turtles, and 80 turtles were not uniquely identified across years. On several occasions, we encountered turtles at different sections of the island within the same survey period; those turtles were given temporary alpha-numeric identifiers on their carapace. Then, surveying was ceased to observe the nesting activities of specific turtles. Once surveys resumed, additional turtles that were observed received temporary or permanent identification tags as time permitted. The mean CCL size was 101.6 cm (range 85.0-114.7 cm, sd=5.6 cm, Figure 2A). While only two of the permanently tagged turtles were recaptured in later years, 3- and 5-year remigration intervals within this study, we do not know how many of the 80 unidentified turtles were recaptures. Thus, the empirical minimum estimate of nester abundance at Rose Atoll for 2012-2019 from annual one-week surveys is 138. Of the 218 turtles encountered across all years, 26 were observed crawling, 15 were digging a body pit, 9 were digging an egg chamber, 106 were laying eggs, 13 were covering, 39 were returning to the ocean; and the nesting activity was unknown for 12 turtles. Supplementary Table 1 includes the data on each observed nesting activity and determination of nesting success.

At Sand Island, sand pits and paired tracks, when possible, were counted and the locations were recorded. In total, 967 sand pits were observed and recorded. The annual number of sand pits recorded were: unknown for 2012 and 2013; 102 for 2014; 143 for 2015; 271 for 2016; 265 for 2017; 21 for 2018; and 165 for 2019. Additionally, there were 159 paired and 111 single tracks recorded for 2012-2019.

3.3 Nest temperature and hatching success

A total of 51 temperature data loggers were deployed in nests from 2016-2019, of which 36 were recovered with usable data (Supplementary Table 6), 11 were not recovered (displaced by severe weather events or by subsequent nesting female turtles), and 4 were recovered but the data were corrupt, and therefore unusable. Median nest temperatures during incubation were similar across years: 29.8°C in 2016, 29.5°C in 2017, and 29.2°C in 2019 (Table 3). Median temperatures in the middle third of the incubation period (when sex is determined) were slightly lower than the overall temperatures: 29.2°C in 2016, 29.4°C in 2017, but was slightly higher in 2019 at 30.7°C (Table 3). The mean incubation period, (calculated from data loggers), was 48.0 d for clutches laid in 2016 (n=8), 52.7 d for 2017 (n=9), and 53.9 d for 2019 (n=13). Mean hatching success was relatively high: 92.7% (sd=10.4%) for 2016 (n=8), 92.5% (sd=19.7%) for 2017 (n=8), unknown for 2018 due to poor weather limiting data collection, and unknown for 2019, since nest excavations were not performed (Table 1). Emergence success mirrored hatching success for the 2016 and 2017 seasons with the temperature data suggesting that all hatchlings emerged from the nest (Table 1).

3.4 Hatchlings

During the annual surveys, encountering hatchlings was an opportunistic occurrence. No hatchlings were observed in 2012-2013. From 2014-2019, a total of 112 were observed. Three hatchlings were found dead on shore in 2014. In 2015, seven were seen crawling through camp but one was later found dead due to crab (*Ocypode* sp.) predation. In 2016, 39 hatchlings were found scurrying through the campsite, out of which three were found dead. In 2017, 46 were observed alive crawling through the campsite, while one was found dead near the sign on Rose and another dead hatchling was found on Sand. A skin sample was collected from the latter. In 2018, one was found alive in October and in December, 12 were found alive, while one was found dead. No measurements were collected. Lastly, in December 2019, one hatchling was found at the campsite, captured, and released into the

TABLE 2 Annual summary of green sea turtles observed, tagged, and skin sampled; egg counts and nest excavations conducted, temperature data loggers deployed and retrieved from nests, satellite transmitters attached to nesting females, and drifter tags released at Rose Island, Rose Atoll, American Samoa, 2012-2019.

Research Trip Dates	#Effort Days	#Observed Turtles	#Tagged Turtles	#Skin Samples	#Egg Counts	#Nest Excavations	#Depoyed Temp Data Loggers	#Retreived Temp Data Loggers	#Satellite Transmitters	#Drifter Tags	Agencies
9/22-9/28/12	7	2	2	2	0	0	0	0	2	0	NOAA, FWS, DMWR
12/1-12/6/13	6	9	9	9	1	0	0	0	8	4	NOAA, FWS, DMWR
11/26-12/1/14	6	15	11	11	0	0	0	0	10	0	NOAA, FWS, DMWR
12/2-12/7/15	6	12	9	9	8	3	0	0	8	0	NOAA, FWS, DMWR
12/2-12/4/16	6	28	17	17	9	0	9	0	8	0	NOAA, FWS
3/23/17 11/30-12/5/17	1 6	0 80	0 49*	0 45	0 31	8 0	0 24	9 0	0 5	0 0	FWS NOAA, FWS, DMWR
2/1/18 3/1/18 6/23-6/24/18 10/28-11/1/18 12/8-12/11/18	1 1 2 5 4	5 1 0 15 5	2 1 0 1 2	0 0 0 1 2	1 0 0 0 0	0 0 5 0 4	1 0 0 0 0	5 0 5 0 4	0 0 0 0 2	0 0 0 0 4	FWS FWS FWS FWS NOAA, FWS
11/1-11/4/19 12/4-12/9/19	4 6	10 39	5* 32	0 21	2 15	0 0	2 15	0 0	0 5	0 4	FWS NOAA, FWS
Total	61	220	140	117	67	20	51	23	48	12	

*1 turtle recaptured in 2017 and another in 2019, both turtles were recaptures from 2014.

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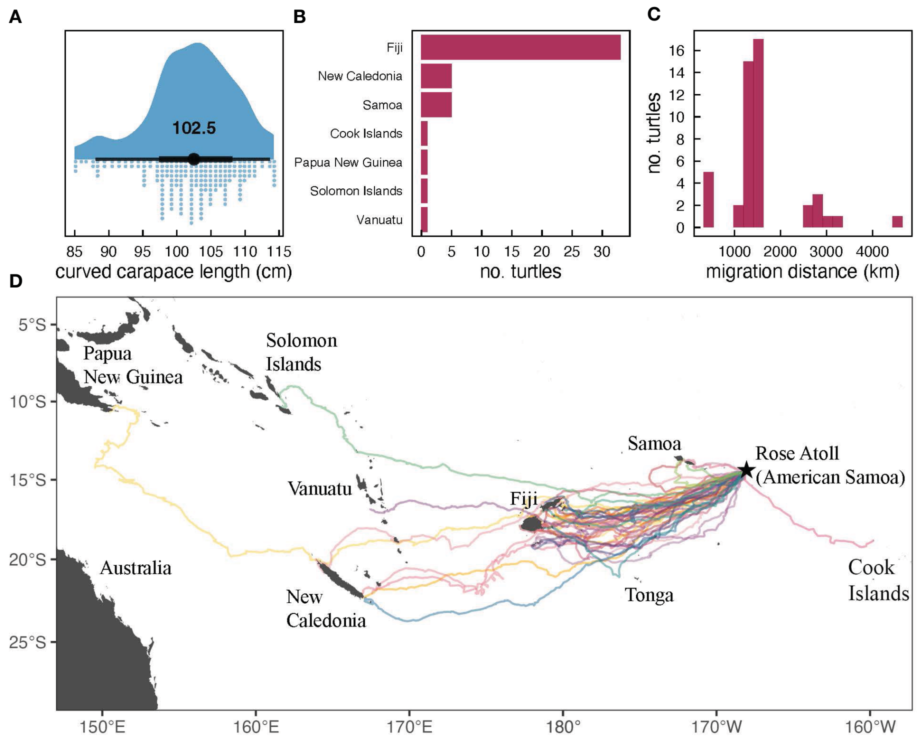

FIGURE 2
Migration of 48 post-nesting green turtles tagged at Rose Atoll, American Samoa between 2012 and 2019: **(A)** histogram of nester curved carapace length (CCL); **(B)** bar graph of destination country; **(C)** histogram of distance traveled; and **(D)** map of final locations including Fiji (n=33), New Caledonia (n=5), Western Samoa (n=5), Cook Islands (n=1), Papua New Guinea (n=1), Solomon Islands (n=1), and Vanuatu (n=1). In addition, one transmitter stopped receiving data 27 days after deployment.

lagoon after collecting morphometrics and a skin sample (see Supplementary Table 3 for details).

3.5 Satellite telemetry

We equipped between zero and ten green turtles with satellite transmitters per nesting season, for a total of 48 equipped turtles, as some research trips were only for data logger retrieval or nest excavation (Table 2; Supplementary Table 5). Tags transmitted for an average of 231.6 ± 171.0 d with the longest tag lasting 857 days. The shortest tag duration was 27 days as the tag stopped transmitting while the nester was still at Rose Atoll.

Turtles traveled an average distance of 2123.4 ± 1188.2 km once departing Rose Atoll, with the shortest migration consisting of 522.4 km and the longest of 7778.7 km (Figure 2). The majority (n=33, 70.2%) of post-nesting females migrated to foraging grounds in Fiji. Other destinations included New Caledonia (n=5), Western Samoa (n=5), Cook Islands (n=1), Papua New Guinea (n=1), Solomon Islands (n=1), and Vanuatu (n=1).

The estimated nesting season duration was 71.0 days based upon the modeled mean inter-nesting duration of 11.84 days. The earliest inferred arrival to Rose was September 26, and the latest confirmed departure was March 8. Peak nesting occurred in mid-November to mid-December (Figure 3), and 47 (97.9%) of the satellite tagged turtles nested during that time frame.

We deployed a total of 12 drifter tags, four each year in 2013, 2018, and 2019. The drifters transmitted for an average 223.7 ± 114.9 d with the longest lasting 414 days. The drifters traveled an average distance of 3922.8 km ± 3311.1 km with the shortest distance consisting of 1044.7 km and the longest of 11842.5 km (Figure 4). The drifters last transmitted in the vicinity of Tonga (n=5), Fiji (n=4), southwest of American Samoa (n=1), Cook Islands (n=1), and southwest of Niue (n=1).

4 Discussion

4.1 Nesting female monitoring and abundance

As with many remote islands in the CSP, data for nesting green turtles at RANWR are difficult to obtain and thus limited, making it challenging to accurately assess the population status. The lack of consistent historical surveys further complicates our ability to put recent nesting counts into context. Although “great numbers” of green turtles would reportedly come ashore to nest at Rose Atoll in the 1800s (Graeffe, 1873), and nesting pits and tracks were plentiful in the early 1970s (Amerson et al., 1982), actual numbers of annual nesters were not reported until the early 1990s, during which 24-36 females were estimated to nest annually (Tuato`o-Bartley et al., 1993). The annual number of nesting females recorded during this

TABLE 3 Nest temperatures (°C) from temperature data loggers deployed into green sea turtle nests during oviposition on Rose Island in the Rose Atoll National Wildlife Refuge from 2016-2019.

Nest temperatures (°C)								
Entire incubation period								
Year	Initial	Minimum	Maximum	Mean	Median	5th percentile	95th percentile	# of Nests
2016	29.5	28.2	34.5	30.4	29.8	28.7	33.3	9
2017	28.3	26.1	35.6	30.0	29.5	27.9	33.5	13
2019	27.7	26.1	35.6	29.6	29.2	27.7	32.4	14
Middle third of incubation								
Year		Minimum	Maximum	Mean	Median	5th percentile	95th percentile	# of Nests
2016		28.2	33.0	29.5	29.2	28.4	32.2	9
2017		27.9	31.7	29.5	29.4	28.5	30.9	13
2019		27.7	35.6	30.8	30.7	28.5	33.1	14

study (mean 27.5 ± 25.5 turtles) was similar to the historical range (Table 2). The timeframe of each expedition was scheduled to coincide with the putative peak of nesting activity but each survey was limited to 1-7 days. When combined with natural variations in the timing of annual nesting cohorts (Seminoff et al., 2015), it is likely that our monitoring efforts missed the peak nesting activity during some years (e.g., 2012) and thus the overall annual number of nesting females is likely higher.

Despite the limited timeframe of our annual monitoring expeditions, we identified a total of 218 nesting turtles during this eight-year study and this likely represents the minimum number of females present in the contemporary nesting population. Only two (1.4%) of the 138 confirmed unique females (permanently tagged) were resighted across years, further supporting this assertion. Given that each research trip lasted between 1-7 days, it is likely that previously tagged nesters were missed due to the timing of the survey period or nesting may have occurred on a nearby island. For future surveys, a minimum of 12 days, during the peak of the season, would aid in mitigating missed nesters. The overall mean CCL for this population was 101.6 cm which was similar to CNMI (102.2 cm; Summers et al., 2018), smaller than Australia (107.0 cm; Limpus, 2009), and larger than Hawaii (97.0 cm, Balazs et al., 2015), Malaysia (98.5 cm; Pilcher and Basintal, 2000), and the Philippines (99.5 cm; Burton, 2012) nesting populations. The annual mean CCL increased from 91.5 to 100.7 cm suggesting that Rose nesters are possibly nearing the peak of an aging population. Whether this is an increase or decrease from historical numbers remains unclear, but this study provides a baseline for future monitoring and assessment efforts.

The two turtles that were resighted were originally tagged in 2014, and re-observed in 2017 and 2019, indicating remigration intervals of three and five years, although it is possible the latter turtle renested (when researchers were not present) prior to resighting. This remigration interval is similar to those reported for green turtles in the Central North and Central West Pacific Oceans (4 years, Balazs et al., 2015; 4.6 years, Summers et al., 2018). However, it may be longer than the remigration intervals for other regions (e.g., 1.8-3 years in the East Pacific, and 2-3 years in the North Atlantic; Seminoff et al., 2015).

Although we conducted surveys during the putative peak of the nesting season, doubts remained regarding the peak and overall duration of the nesting season at RANWR due to lack of survey effort across an entire nesting season. However, based upon satellite tag locations, we were able to calculate the estimated peak period of mid-November to mid-December and an estimated nesting duration of 71 days. The earliest hatchling encountered during this study was found in October 2018 and the latest a female was recorded nesting was in March. Assuming a nest incubation period of 48-54 days, as determined by temperature data logger data analyzed in this study, the hatchlings were the result of a nesting event that occurred in August, suggesting overall nesting time frames extend from at least August to March of each season. Our satellite tag data suggested a late arrival in September and late departure in March, essentially corroborating that timeframe. Although this coincides with reports of green turtle nesting between August and September on the island of Tutuila (American Samoa; Hirth, 1970), villagers from American Samoa report nesting year-round (Tuato`o-Bartley et al., 1993) also observed at Kosgoda, Sri Lanka (Ekanayake et al., 2010), the Comoros Archipelago in Africa (Bourjea et al., 2015), Perak, Malaysia (Salleh et al., 2018), and Aldabra Atoll, Republic of Seychelles (Pritchard et al., 2022).

The nesting surveys at RANWR were primarily concentrated on Rose Island, but we did encounter a total of 967 nesting pits at Sand Island, indicating it hosts an important number of nesting green turtles as well. These findings coincide with former report of many pits, tracks, and nesting turtles on Sand Island as well (Hirth, 1970). Allocating more time to survey Sand Island would be prudent to better understand the relative importance of the site and to generate a more informed estimate of annual counts of nesting females at RANWR. Consistently surveying both islands during the peak nesting period would allow researchers to focus on a specific period to collect data from most annual nesters and more holistically evaluate the population. Technological solutions for

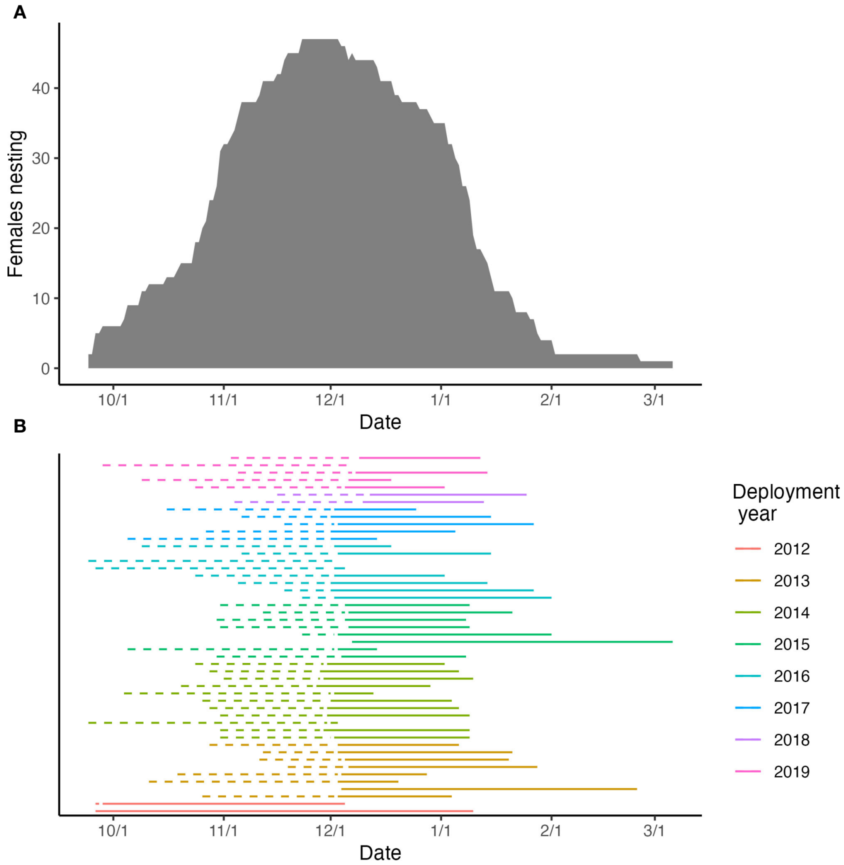

FIGURE 3
Nesting period for 43 post-nesting green turtles at Rose Atoll, American Samoa between 2012 and 2019 based on haul out satellite tag locations (5 post-nesters did not have data): **(A)** Peak nesting period based the number of nesters by month; **(B)** Nesting duration by year, dashed lines represent the back-calculated clutches based on calculated inter-nesting interval and clutch frequency and solid lines represent the actual haul out data.

data collection from this remote nesting site may include game cameras and infrared detection which could facilitate refinement of the rapid assessment surveys (Sellés-Roís et al., 2022). Nearby land masses with potential green turtle nesting habitat within the CSP primarily consist of islets and atolls spread over a vast area, making surveys logistically difficult. As a result, there is limited information available on nesting green turtles or annual nest numbers (Seminoff et al., 2015; Dolfo et al., 2023). According to estimates, Fiji has 50-75 annual nesters (Piovano and Batibasaga, 2020), while French Polynesia had approximately 1000 annual breeding females in 1989 (Dolfo et al., 2023). Given that very little nesting reportedly occurs on most other isolated atolls, Rose Atoll serves as an important nesting site for the CSP DPS/RMU.

4.2 Post-nesting and regional connectivity

Although post-nesting green turtles migrated to various locations (Figure 2), our tracking efforts revealed that the majority (n=33, 70.2%) of satellite tagged turtles migrated to Fiji, indicating that the country is the primary foraging ground for green turtles nesting at Rose Atoll. Our findings coincide with previous research conducted at Rose Atoll during which six of seven post-nesting green turtles migrated to Fiji (Craig et al., 2004). Recent genetic research revealed that 72% (n=150) of juvenile green turtles sampled at two foraging grounds in Fiji originate from the RANWR breeding stock (Piovano et al., 2019), further highlighting the connectivity between these two locales. In Fiji, sea turtles are protected by national legislation and as cultural permitted resources (Kitolelei et al., 2022). As a U.S. territory, turtles within American Samoa are protected under the Endangered Species Act (Kitolelei et al., 2022) and territorial government regulations (Maison et al., 2010). A survey conducted in 2020, with Fijian fishermen, found that both the turtle (green and hawksbill) and eggs were still being harvested for subsistence and cultural ceremonies (Kitolelei et al., 2022). Based on these surveys, Kitolelei et al., 2022, also found that there was an 88% reduction in the number of green turtles harvested between 2000 and 2015. Historically, turtles were harvested in American Samoa for special occasions (Craig et al., 1993; Tuato`o-Bartley et al., 1993), but there are no publications that have current statistics or numbers. Our findings suggest that the collaboration between the governments of Fiji and American Samoa (USA) is necessary for the effective conservation of this population.

Post-nesting females from RANWR established foraging ranges in New Caledonia (n=5), Western Samoa (n=5), Cook Islands

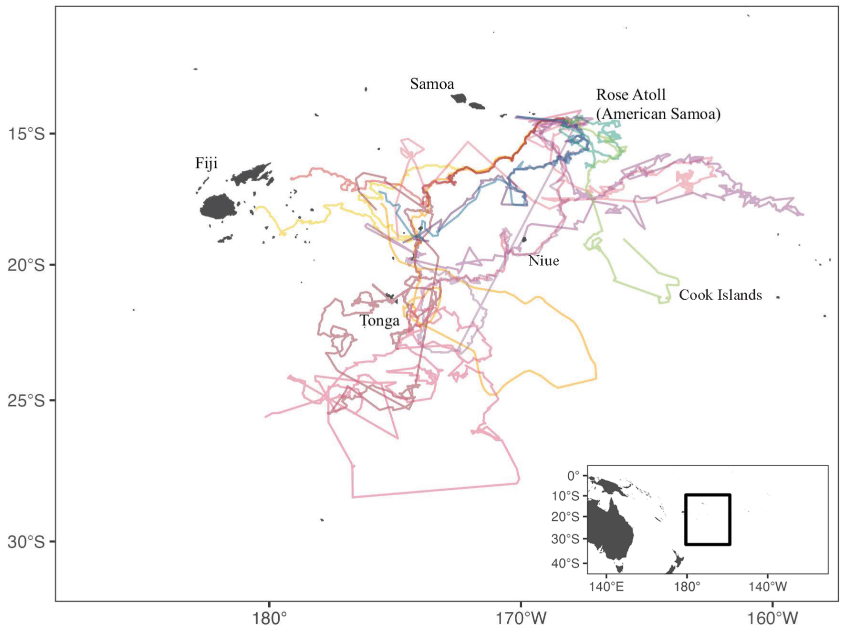

FIGURE 4
Migration tracks of 12 drifter tags released at Rose Atoll, American Samoa in 2013, 2018, and 2019. Final locations included Tonga (n=5), Fiji (n=4), American Samoa (n=1), Cook Islands, (n=1), and Niue (n=1).

(n=1), Papua New Guinea (n=1), Solomon Islands (n=1), and Vanuatu (n=1) (Figure 2; Supplementary Table 5). One satellite tag also ceased transmitting prior to the turtle establishing foraging grounds, but did so in the vicinity of French Polynesia (Figure 2), suggesting potential connectivity with this country as well. A nesting female previously equipped with metal flipper tags at RANWR in November 1993 was also subsequently encountered (dead) in Vanuatu in April 1994 (Grant et al., 1997). These findings reveal the connectivity of Rose Atoll to nations throughout the south Pacific region. Considering that CSP green turtles are listed as an endangered DPS and considered to be in severe decline (Allen et al., 2023), our results of connectivity throughout the region highlight the importance of RANWR to the population.

This study found that post-nesting green turtles from Rose Atoll travel long distances to their foraging habitats. Such long distances have also been reported in other ocean regions, including the Red Sea, Galápagos Islands, and Taiwan. The nesting green turtles in the northern Red Sea traveled up to 1100 km to their foraging habitats in multiple other nations (Tanabe et al., 2023). Similarly, three post-nesting greens from the Galápagos Islands, Ecuador, traveled 2136–2524 km north to their foraging grounds in Pacific Central America (Seminoff et al., 2008). Seven post-nesting greens were monitored from their nesting site in Taiwan, and 4 traveled 1130–1909 km to their foraging grounds in mainland China (1) and Japan (3) (Cheng, 2000).

The dispersal pathways and foraging ground destinations of post-hatchling green turtles can be influenced by both active swimming (Putnam and Mansfield, 2015; Hoover et al., 2020) and wind-driven surface currents (Okuyama et al., 2009; Hays et al., 2010; Naro-Maciel et al., 2014; Suhaimi et al., 2020). According to Mozón-Argűello et al. (2010) and Scott et al. (2014), hatchlings that allow the current to dictate their migration could also impact their adult migrations. Additionally, Suhaimi et al. (2020) revealed that passive drifters had a greater chance of reaching faraway foraging areas. In this study, all of the final drifter locations were south of RANWR and included Fiji and the Cook Islands, which were two of the post-nesting migration locations. The 12 drifter tags deployed, via this study, suggest currents could support hatchling dispersal across long distances to nations throughout the CSP (Figure 4), further highlighting the potential importance of RANWR to maintaining green turtle populations throughout the region.

4.3 Hatchling production and climate change

Hatching and emergence successes were both high (93%) in this study (n=18 nests, 2016-2017 seasons) indicating high reproductive output at RANWR, and there was little evidence of hatchling predation or entrapment, threats that are problematic at other green turtle nesting beaches (e.g., Zárate et al., 2013; Summers et al., 2018). High hatchling productivity may confer some resilience on population with respect to climate change impacts (e.g., extreme weather events could wipe out an entire season's cohort, Patrício et al., 2021).

However, air temperatures in American Samoa are at 28.3°C during October-May and 27.2°C from June-September (Craig, 2009), and rising temperatures can have implications for hatchling sex ratios and embryonic development. Results from this study show the sex ratio of hatchlings being produced may still be fairly balanced, as the annual median nest temperatures (29.3°-29.6°C) were close to the pivotal temperature of 29.4°C for 50:50 male:female sex ratios for other green turtle populations (e.g., 29.4-29.5°C, Godfrey and Mrosovsky, 2006;

29.5°C, Bentley et al., 2020). This was particularly true for the middle-third of the incubation period (when sex is determined, Wibbels et al., 2003; Lolavar and Wyneken, 2020), in which the annual median temperatures were 28.8°-29.4°C, which suggests there could even be a slight male bias if the pivotal temperature for this population is 29.4° C. With Rose Atoll's generally warm climate, the recorded nesting temperatures suggest that it may not be female-biased. This may be attributable to factors such as reflectivity of the sand (i.e., cooling albedo effect of light-colored coral rubble sand), moisture from rain, vegetation, and aeration of nests (Hays et al., 2001; Bentley et al., 2020; Laloë et al., 2020; Matthews et al., 2021; Tűrkozan et al., 2021; Gravelle and Wyneken, 2022).

4.4 Threats

The primary threats to RANWR are beach erosion due to sea level increases, tidal inundation of nests, and uneven (female-biased) sex ratios from increased incubation temperatures (Seminoff et al., 2015; Albert et al., 2016; Rivas et al., 2023). Similar to the many other low-lying islands that host nesting of CSP green turtles (Craig et al., 2004; Seminoff et al., 2015), RANWR is extremely vulnerable to severe weather systems, which can alter nesting habitat and destroy nests (Mimura, 1999; Storlazzi et al., 2015; Patrício et al., 2021). Cyclones (hurricanes) are common during November-April (USFWS, 2014) in the vicinity of RANWR, which coincides with the green turtle nesting period at Rose Atoll. There have been six cyclones from 1980-2011, which damaged both the forest and reef at Rose Atoll (USFWS, 2014), and destroyed nests and scattered turtle eggs across the island (https://www.fisheries.noaa.gov/pacific-islands/habitat-conservation/rose-atoll-marine-national-monument). Moreover, there is the possibility that the impact and potential increase of tropical cyclones will lead to nest inundation causing poor hatching success and high hatchling mortality (Van Houtan and Bass, 2007).

In conclusion, our study presents the first comprehensive assessment of nesting green turtles in American Samoa, specifically Rose Atoll National Wildlife Refuge (RANWR). Between 2012-2019, there were at least 138 nesters observed and, although our data were limited, the hatching success was high at 92.3% and the sex ratios appear to be balanced. Our data suggest that RANWR is an important nest site for the south Pacific post-nesting green turtles as 70% returned to Fiji. Our data provides baseline parameters for the data deficient central south Pacific region, which can inform population modelling for this endangered population (Seminoff et al., 2015).

Data availability statement

The datasets presented in this study can be found in online repositories. Metadata of satellite tracking are available on the Animal Telemetry Network and requests for data can be directed to Pacific Islands Fisheries Science Center (PIFSC). Other data are presented within the article and Supplementary Material.

Ethics statement

The animal study was approved by National Marine Fisheries Service IUCAC. The study was conducted in accordance with the local legislation and institutional requirements.

Author contributions

SKM: Conceptualization, Data curation, Investigation, Methodology, Project administration, Resources, Supervision, Writing – original draft, Writing – review & editing, Visualization. AG: Conceptualization, Formal analysis, Visualization, Writing – original draft, Writing – review & editing. DJ: Formal analysis, Writing – original draft, Writing – review & editing. BP: Data curation, Investigation, Writing – review & editing. MM: Investigation, Writing – review & editing. ES: Investigation, Writing – review & editing. FP: Investigation, Writing – review & editing. CA: Investigation, Writing – review & editing. MS: Investigation, Writing – review & editing. SI: Formal analysis, Writing – review & editing. KH: Conceptualization, Data curation, Formal analysis, Investigation, Writing – review & editing. AL: Writing – review & editing. TJ: Conceptualization, Data curation, Investigation, Writing – review & editing. SLM: Conceptualization, Formal analysis, Writing – original draft, Writing – review & editing.

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Conflict of interest

The authors declare that the research was conducted in the absence of any commercial or financial relationships that could be construed as a potential conflict of interest.

The author(s) declared that they were an editorial board member of Frontiers, at the time of submission. This had no impact on the peer review process and the final decision.

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Supplementary material

The Supplementary Material for this article can be found online at: https://www.frontiersin.org/articles/10.3389/fmars.2024.1403240/full#supplementary-material

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Supplementary Table 1. Nesting female green sea turtle data (n=220) collected at Rose Atoll including encounter date, turtle ID#, curved carapace length (CCL, cm), if it was permanently tagged, if a skin samples was collected, final nesting activity observed, confirmation of nest, # of eggs laid, nest temperature data logger ID#, and satellite transmitter ID# that were attached to nesting females.

Date	Turtle ID#	CCL	Permanent Tags Applied Y/N	Skin Sample Collected (Y/N)	Observed Nesting Activity	Nest Determination	# Eggs Laid	Temperature Data Logger ID#	Satellite Transmitter ID#
9/26/2012	Cm09262012AS88	88	Y	Y	Lay	Confirmed Nest	U	N	85489
9/28/2012	Cm09282012AS95	95	Y	Y	Lay	Confirmed Nest	U	N	85490
12/2/2013	982.000190652403	100	Y	Y	Lay	Confirmed Nest	U	N	85486
12/2/2013	982.000190556825	88.6	Y	Y	Lay	Confirmed Nest	U	N	85487
12/2/2013	982.000167772088	99	Y	Y	Unknown	Unknown	N	N	121128
12/2/2013	982.000167827161	105.7	Y	Y	Lay	Confirmed Nest	U	N	121126
12/3/2013	982.000167776770	100.5	Y	Y	Unknown	Unknown	N	N	121127
12/3/2013	982.000167799786	93	Y	Y	Lay	Confirmed Nest	U	N	121131
12/4/2013	PI1025	102.4	Y	Y	Lay	Confirmed Nest	95	N	N
12/4/2013	982.000167827751	107.5	Y	Y	Lay	Confirmed Nest	U	N	131993
12/5/2013	982.000167799263	100.3	Y	Y	Lay	Confirmed Nest	U	N	131992
11/26/2014	982.000167799711	85	Y	Y	Return	False Crawl	N	N	142763
11/26/2014	20141126RONE2	NT	N	N	Crawl	False Crawl	N	N	N
11/26/2014	982.000167777072	99	Y	Y	Lay	Confirmed Nest	U	N	142765
11/28/2014	982.000167826217	103	Y	Y	Return	False Crawl	N	N	142764
11/28/2014	982.000167777179	114.2	Y	Y	Lay	Confirmed Nest	U	N	142757
11/28/2014	982.000190364906	110	Y	Y	Return	False Crawl	N	N	142760
11/28/2014	982.000167799647	114	Y	Y	Lay	Confirmed Nest	U	N	142766
11/29/2014	982.000190691246	103.8	Y	Y	Lay	Confirmed Nest	U	N	142758
11/29/2014	982.000190550796	98	Y	Y	Lay	Confirmed Nest	U	N	142759
11/30/2014	982.000190214892	100.8	Y	Y	Lay	Confirmed Nest	U	N	142761
11/30/2014	982.000167777098	109.6	Y	Y	Return	False Crawl	N	N	142762
11/30/2014	20141130RONE4	NT	N	N	Return	False Crawl	N	N	N
11/30/2014	20141130RONE5	NT	N	N	Body Pit	False Crawl	N	N	N
11/30/2014	20141130RONE6	NT	N	N	Body Pit	False Crawl	N	N	N
12/1/2014	982.000167776614	109.6	Y	Y	Lay	Confirmed Nest	U	N	134993
12/2/2015	982.000167841025	109.5	Y	Y	Lay	Confirmed Nest	109	N	157638
12/2/2015	982.000167792649	106.5	Y	Y	Lay	Confirmed Nest	102	N	157640
12/3/2015	982.000364903065	98	Y	Y	Return	False Crawl	N	N	157637
12/4/2015	982.000190214583	103.5	Y	Y	Lay	Confirmed Nest	117	N	157644
12/5/2015	982.000364290767	103.5	Y	Y	Lay	Confirmed Nest	118	N	157641
12/5/2015	982.000167841136	101	Y	Y	Lay	Confirmed Nest	79	N	157646
12/5/2015	982.000364885538	102	Y	Y	Lay	Confirmed Nest	116	N	157645
12/5/2015	20151205RONE4	NT	N	N	Return	False Crawl	N	N	N
12/7/2015	982.000190721200	91	Y	Y	Lay	Confirmed Nest	102	N	157639
12/7/2015	20151207RONE2	NT	N	N	Chamber	False Crawl	N	N	N
12/7/2015	982.000190721182	107	Y	Y	Lay	Confirmed Nest	141	N	N
12/7/2015	20151207RONE4	NT	N	N	Body Pit	False Crawl	N	N	N
11/30/2016	982.000364287718	99	Y	Y	Lay	Confirmed Nest	69	10909839	166323
11/30/2016	982.000167772379	102	Y	Y	Chamber	False Crawl	N	N	166322
11/30/2016	982.000364208917	107	Y	Y	Lay	Confirmed Nest	107	10909831	166321
12/1/2016	982.000167795602	104	Y	Y	Lay	Confirmed Nest	90	10909829	166328
12/1/2016	982.000167841177	106	Y	Y	Lay	Confirmed Nest	117	10909822	166324
12/1/2016	20161201RONE3	NT	N	N	Crawl	False Crawl	N	N	N
12/1/2016	20161201RONE4	NT	N	N	Crawl	False Crawl	N	N	N
12/1/2016	982.000364285845	107	Y	Y	Lay	Confirmed Nest	92	10909833	166325
12/1/2016	20161201RONE7	NT	N	N	Return	False Crawl	N	N	N
12/2/2016	982.000364284645	106	Y	Y	Lay	Confirmed Nest	U	10986157	N
12/2/2016	982.000167835872	97	Y	Y	Unknown	Unknown	N	N	166326
12/2/2016	982.000364284537	108	Y	Y	Lay	Confirmed Nest	111	N	166327
12/2/2016	20161202RONE5	NT	N	N	Unknown	Unknown	N	N	N
12/2/2016	20161202RONE6	NT	N	N	Unknown	Unknown	N	N	N
12/2/2016	20161202RONE7	NT	N	N	Unknown	Unknown	N	N	N
12/3/2016	982.000167835660	94	Y	Y	Lay	Confirmed Nest	U	N	N
12/3/2016	982.000364286987	100	Y	Y	Crawl	False Crawl	N	N	N
12/3/2016	982.000364283241	103	Y	Y	Lay	Confirmed Nest	97	10986155	N
12/3/2016	982.000364284529	105	Y	Y	Unknown	False Crawl	N	N	N
12/3/2016	20161203RONE5	NT	N	N	Return	False Crawl	N	N	N

Supplementary Table 1. Nesting female green sea turtle data (n=220) collected at Rose Atoll including encounter date, turtle ID#, curved carapace length (CCL, cm), if it was permanently tagged, if a skin samples was collected, final nesting activity observed, confirmation of nest, # of eggs laid, nest temperature data logger ID#, and satellite transmitter ID# that were attached to nesting females.

12/3/2016	20161204RONE6	NT	N	N	Return	False Crawl	N	N	N
12/4/2016	20161204RONE1	NT	N	N	Unknown	Unknown	N	N	N
12/4/2016	982.000167837838	92	Y	Y	Unknown	Unknown	N	N	N
12/4/2016	982.000167838247	104	Y	Y	Lay	Confirmed Nest	82	10909834	N
12/4/2016	20161204RONE5	NT	N	N	Unknown	Unknown	N	N	N
12/4/2016	20161204RONE7	NT	N	N	Unknown	Unknown	N	N	N
12/4/2016	982.000190685524	101	Y	Y	Unknown	Unknown	N	N	N
12/4/2016	982.000167828065	102	Y	Y	Lay	Confirmed Nest	106	10901830	N
11/30/2017	982.000402167018	108.9	Y	Y	Lay	Confirmed Nest	79	10986144	171269
11/30/2017	20171130RONE2	NT	N	N	Lay	Confirmed Nest	109	10909839	N
11/30/2017	982.000402166797	95	Y	Y	Lay	Confirmed Nest	87	10909825	171266
11/30/2017	982.000167798686	110.9	Y	Y	Lay	Confirmed Nest	116	10986146	171267
11/30/2017	20171130RONE5	NT	N	N	Cover	Unconfirmed Nest	N	N	N
11/30/2017	20171130RONE6	NT	N	N	Crawl	False Crawl	N	N	N
11/30/2017	20171130RONE7	NT	N	N	Cover	Unconfirmed Nest	N	N	N
11/30/2017	20171130RONE8	NT	N	N	Cover	Unconfirmed Nest	N	N	N
12/1/2017	982.000402162457	101.7	Y	Y	Lay	Confirmed Nest	107	10986143	N
12/1/2017	20171201RONE2	NT	N	N	Crawl	False Crawl	N	N	N
12/1/2017	982.000402167085	102.1	Y	Y	Lay	Confirmed Nest	117	10909833	171270
12/1/2017	982.000190657320	93.7	Y	Y	Lay	Confirmed Nest	76	10986148	N
12/1/2017	20171201RONE5	NT	N	N	Lay	Confirmed Nest	89	10986157	N
12/1/2017	20171201RONE6	NT	N	N	Return	False Crawl	N	N	N
12/1/2017	982.000167837745	110.5	Y	Y	Lay	Confirmed Nest	U	10986143	N
12/1/2017	20171201RONE8	NT	N	N	Return	False Crawl	N	N	N
12/2/2017	982.000402163323	103	Y	Y	Lay	Confirmed Nest	110	10909826	171268
12/2/2017	982.000167799647	114.7	Y - RECAP	Y	Lay	Confirmed Nest	117	20104310	N
12/2/2017	982.000402162829	105.5	Y	Y	Lay	Confirmed Nest	107	10909828	N
12/2/2017	20171202RONE4	NT	N	N	Crawl	False Crawl	N	N	N
12/2/2017	982.000402167409	102	Y	Y	Lay	Confirmed Nest	85	10909837	N
12/2/2017	982.000402166682	108.5	Y	Y	Lay	Confirmed Nest	109	10909824	N
12/2/2017	20171202RONE7	NT	N	N	Crawl	False Crawl	N	N	N
12/2/2017	982.000402162920	104.8	Y	Y	Lay	Confirmed Nest	92	10909834	N
12/2/2017	20171202RONE9	NT	N	N	Lay	Confirmed Nest	N	N	N
12/2/2017	20171202RONE10	NT	N	N	Cover	Unconfirmed Nest	N	N	N
12/2/2017	20171202RONE11	NT	N	N	Crawl	False Crawl	N	N	N
12/2/2017	982.000402162750	103.1	Y	Y	Lay	Confirmed Nest	U	N	N
12/2/2017	982.000402167234	108.4	Y	Y	Return	False Crawl	N	N	N
12/2/2017	982.000402163750	92.3	Y	Y	Return	False Crawl	N	N	N
12/2/2017	982.000402163649	109.8	Y	Y	Lay	Confirmed Nest	94	10986155	N
12/3/2017	982.000402166566	106.1	Y	Y	Lay	Confirmed Nest	125	10986141	N
12/3/2017	982.000402162998	104.3	Y	Y	Body Pit	False Crawl	N	N	N
12/3/2017	20171203RONE3	NT	N	N	Crawl	False Crawl	N	N	N
12/3/2017	982.000402163206	101	Y	Y	Lay	Confirmed Nest	76	10909829	N
12/3/2017	982.000402163238	NT	Y	N	Return	False Crawl	N	N	N
12/3/2017	982.000364289350	110.2	Y	Y	Cover	Unconfirmed Nest	N	N	N
12/3/2017	982.000402162875	101	Y	Y	Lay	Confirmed Nest	79	10909836	N
12/3/2017	982.000402162811	NT	Y	N	Crawl	False Crawl	N	N	N
12/3/2017	982.000364191413	103	Y	Y	Lay	Confirmed Nest	88	10909827	N
12/3/2017	20171203RONE11	NT	N	N	Return	False Crawl	N	N	N
12/3/2017	982.000364345548	105.5	Y	Y	Lay	Confirmed Nest	117	10909822	N
12/3/2017	982.000364291087	97.3	Y	Y	Lay	Confirmed Nest	N	N	N
12/3/2017	20171203RONE4	NT	N	N	Crawl	False Crawl	N	N	N
12/3/2017	982.000402163373	98.6	Y	Y	Lay	Confirmed Nest	111	10909830	N
12/3/2017	20171203RONE16	NT	N	N	Body Pit	False Crawl	N	N	N
12/4/2017	20171204RONE1	NT	N	N	Crawl	False Crawl	N	N	N
12/4/2017	20171204RONE2	NT	N	N	Return	False Crawl	N	N	N
12/4/2017	982.000364285147	NT	Y	N	Chamber	False Crawl	N	N	N
12/4/2017	982.000402162563	94.6	Y	Y	Lay	Confirmed Nest	83	N	N
12/4/2017	982.000364267434	106	Y	Y	Lay	Confirmed Nest	106	N	N
12/4/2017	982.000364345715	93.5	Y	Y	Lay	Confirmed Nest	80	N	N
12/4/2017	982.000364285212	107.1	Y	Y	Lay	Confirmed Nest	97	N	N
12/4/2017	982.000190685557	100	Y	Y	Lay	Confirmed Nest	111	N	N

Supplementary Table 1. Nesting female green sea turtle data (n=220) collected at Rose Atoll including encounter date, turtle ID#, curved carapace length (CCL, cm), if it was permanently tagged, if a skin samples was collected, final nesting activity observed, confirmation of nest, # of eggs laid, nest temperature data logger ID#, and satellite transmitter ID# that were attached to nesting females.

12/4/2017	982.000402162576	102	Y	Y	Lay	Confirmed Nest	71	N	N
12/4/2017	982.000364267590	107	Y	Y	Lay	Confirmed Nest	107	N	N
12/4/2017	20171204RONE11	NT	N	N	Return	False Crawl	N	N	N
12/4/2017	982.000364283597	104.9	Y	Y	Lay	Confirmed Nest	U	10909831	N
12/4/2017	982.000402163375	97.4	Y	Y	Cover	Unconfirmed Nest	N	N	N
12/5/2017	20171205RONE1	NT	N	N	Return	False Crawl	N	N	N
12/5/2017	982.000402167405	93.3	Y	Y	Return	False Crawl	N	N	N
12/5/2017	20171205RONE3	NT	N	N	Return	False Crawl	N	N	N
12/5/2017	982.000364268017	98.2	Y	Y	Return	False Crawl	N	N	N
12/5/2017	982.000402162772	101.3	Y	Y	Body Pit	False Crawl	N	N	N
12/5/2017	20171205RONE6	NT	N	N	Body Pit	False Crawl	N	N	N
12/5/2017	20171205RONE7	NT	N	N	Return	False Crawl	N	N	N
12/5/2017	20171205RONE8	NT	N	N	Return	False Crawl	N	N	N
12/5/2017	982.000364289514	91.5	Y	Y	Lay	Confirmed Nest	68	N	N
12/5/2017	20171205RONE10	NT	N	N	Crawl	False Crawl	N	N	N
12/5/2017	20171205RONE11	NT	N	N	Return	False Crawl	N	N	N
12/5/2017	982.000364291748	99.5	Y	Y	Lay	Confirmed Nest	U	N	N
12/5/2017	982.000167797267	103.4	Y	Y	Lay	Confirmed Nest	UI	N	N
12/5/2017	20171205RONE14	NT	N	N	Return	False Crawl	N	N	N
12/5/2017	982.000402163191	99.5	Y	N	Chamber	False Crawl	N	N	N
12/5/2017	20171205RONE16	NT	N	N	Body Pit	False Crawl	N	N	N
12/5/2017	982.000364192022	100.6	Y	Y	Chamber	False Crawl	N	N	N
12/5/2017	20171205RONE18	NT	N	N	Crawl	False Crawl	N	N	N
12/5/2017	982.000402166581	NT	Y	Y	Crawl	False Crawl	N	N	N
12/5/2017	982.000364287770	95.1	Y	Y	Lay	Confirmed Nest	84	N	N
12/5/2017	982.000364285507	100	Y	Y	Cover	Unconfirmed Nest	N	N	N
2/1/2018	982.000402162511	100	Y	N	Lay	Confirmed Nest	U	N	N
2/1/2018	982.000364289376	100	Y	N	Lay	Confirmed Nest	106	10909825	N
2/1/2018	20180201RONE3	NT	N	N	Body Pit	False Crawl	N	N	N
2/1/2018	20180201RONE4	98	N	N	Lay	Confirmed Nest	U	N	N
2/1/2018	20180201RONE5	NT	N	N	Return	False Crawl	N	N	N
3/1/2018	982.000364345051	98	Y	N	Lay	Confirmed Nest	U	N	N
10/28/2018	20181028RONE1	NT	N	N	Return	False Crawl	N	N	N
10/28/2018	20181028RONE2	NT	N	N	Chamber	False Crawl	N	N	N
10/29/2018	20181029RONE1	NT	N	N	Return	False Crawl	N	N	N
10/29/2018	20181029RONE2	NT	N	N	Return	False Crawl	N	N	N
10/29/2018	20181029RONE3	NT	N	N	Lay	Confirmed Nest	U	N	N
10/29/2018	20181029RONE4	NT	N	N	Body Pit	False Crawl	N	N	N
10/29/2018	20181029RONE5	NT	N	N	Body Pit	False Crawl	N	N	N
10/29/2018	20181029RONE6	NT	N	N	Body Pit	False Crawl	N	N	N
10/30/2018	20181030RONE1	NT	N	N	Crawl	False Crawl	N	N	N
10/30/2018	982.000402170161	96.3	Y	Y	Lay	Confirmed Nest	U	N	N
10/31/2018	20181031RONE1	NT	N	N	Return	False Crawl	N	N	N
10/31/2018	20181031RONE2	NT	N	N	Crawl	False Crawl	N	N	N
11/1/2018	20181101RONE1	NT	N	N	Crawl	False Crawl	N	N	N
11/1/2018	20181101RONE2	NT	N	N	Body Pit	False Crawl	N	N	N
11/1/2018	20181101RONE3	NT	N	N	Digging	False Crawl	N	N	N
12/9/2018	20181209RONE1	NT	N	N	Return	False Crawl	N	N	N
12/9/2018	20181209RONE2	NT	N	N	Body Pit	Unconfirmed Nest	N	N	N
12/10/2018	982.000410615048	102.5	Y	Y	Crawl	False Crawl	N	N	171237
12/11/2018	982.000190684968	111.6	Y	Y	Return	False Crawl	N	N	176768
12/11/2018	20181211RONE2	NT	N	N	Return	False Crawl	N	N	N
11/1/2019	982.000167826217	102.9	Y - RECAP	N	Cover	Unconfirmed Nest	N	N	N
11/1/2019	PI2801	97.8	Y	N	Lay	Confirmed Nest	91	20304386	N
11/1/2019	20191101RONEA3	NT	N	N	Crawl	False Crawl	N	N	N
11/1/2019	20191101RONEA4	NT	N	N	Crawl	False Crawl	N	N	N
11/1/2019	PI2803	100.3	Y	N	Cover	Unconfirmed Nest	N	N	N
11/1/2019	PI2805	96.5	Y	N	Cover	Unconfirmed Nest	N	N	N
11/2/2019	20191102RONEB1	NT	N	N	Body Pit	False Crawl	N	N	N
11/2/2019	20191102RONEB2	NT	N	N	Crawl	False Crawl	N	N	N
11/2/2019	PI2807	92.7	Y	N	Lay	Confirmed Nest	76	20304391	N
12/4/2019	982.000364290530	97.5	Y	Y	Lay	Confirmed Nest	100	20432413	176782

Supplementary Table 1. Nesting female green sea turtle data (n=220) collected at Rose Atoll including encounter date, turtle ID#, curved carapace length (CCL, cm), if it was permanently tagged, if a skin samples was collected, final nesting activity observed, confirmation of nest, # of eggs laid, nest temperature data logger ID#, and satellite transmitter ID# that were attached to nesting females.

12/4/2019	982.000410620322	94	Y	Y	Cover	Unconfirmed Nest	N	N	N
12/4/2019	982.000410615144	101.2	Y	N	Lay	Confirmed Nest	U	N	N
12/4/2019	20191204RONEA4	NT	N	N	Lay	Confirmed Nest	U	N	N
12/4/2019	982.000408563937	96.9	Y	Y	Lay	Confirmed Nest	U	N	N
12/5/2019	982.000364267321	101	Y	Y	Lay	Confirmed Nest	81	20432408	N
12/5/2019	982.000410619962	102.5	Y	Y	Lay	Confirmed Nest	U	N	N
12/5/2019	982.000410622305	111	Y	Y	Lay	Confirmed Nest	111	10909830	N
12/5/2019	982.000410621898	105	Y	N	Lay	Confirmed Nest	93	N	176783
12/5/2019	982.000410621741	NT	Y	N	Return	False Crawl	N	N	N
12/5/2019	982.000410619635	93.1	Y	Y	Lay	Confirmed Nest	61	20304390	N
12/5/2019	20191205RONE7	NT	N	N	Return	False Crawl	N	N	N
12/5/2019	982.000410621803	97.4	Y	N	Cover	Unconfirmed Nest	N	N	N
12/5/2019	982.000408557210	105	Y	N	Cover	Unconfirmed Nest	115	20432406	176785
12/6/2019	982.000410614562	101.5	Y	N	Chamber	False Nest	N	N	N
12/6/2019	982.000410615058	103.5	Y	N	Lay	Confirmed Nest	72	20432407	N
12/6/2019	20191206RONEC3	NT	N	N	Crawl	False Crawl	N	N	N
12/6/2019	982.000408565675	99.8	Y	Y	Lay	Confirmed Nest	106	20456901	N
12/6/2019	PI2803	101.4	Y	Y	Lay	Confirmed Nest	U	N	N
12/6/2019	982.000410619678	100	Y	Y	Lay	Confirmed Nest	U	N	N
12/6/2019	982.000410620393	106	Y	N	Lay	Confirmed Nest	70	20432409	N
12/6/2019	982.000410650386	NT	Y	N	Chamber	False Crawl	N	N	N
12/7/2019	982.000410614980	100.5	Y	Y	Lay	Confirmed Nest	U	N	N
12/7/2019	PI2801	98.2	Y	Y	Lay	Confirmed Nest	U	20456906	176784
12/7/2019	982.000410651124	NT	Y	N	Crawl	False Crawl	N	N	N
12/7/2019	982.000410647540	101	Y	Y	Lay	Confirmed Nest	U	N	N
12/7/2019	20191207RONED4	NT	N	N	Crawl	False Crawl	N	N	N
12/7/2019	20191207RONED5	NT	N	N	Lay	Confirmed Nest	U	N	N
12/8/2019	982.000410620158	104.5	Y	Y	Lay	Confirmed Nest	78	20456900	176787
12/8/2019	20191208RONEE2	NT	N	N	Return	False Crawl	N	N	N
12/8/2019	982.000410615068	92.4	Y	N	Cover	False Crawl	N	N	N
12/8/2019	982.000410622732	109.1	Y	Y	Lay	Confirmed Nest	108	24032411	N
12/8/2019	982.000408557535	102	Y	Y	Lay	Confirmed Nest	96	20432405	N
12/8/2019	982.000410622364	104.5	Y	Y	Lay	Confirmed Nest	U	N	N
12/8/2019	982.000408563965	96.1	Y	Y	Lay	Confirmed Nest	83	24032404	N
12/8/2019	982.000410650685	102.8	Y	Y	Lay	Confirmed Nest	81	20304387	N
12/9/2019	982.000408557968	102.4	Y	Y	Lay	Confirmed Nest	83	24032412	N
12/9/2019	20191209RONEF1	NT	N	N	Crawl	False Crawl	N	N	N
12/9/2019	982.000410650688	104.5	Y	Y	Lay	Confirmed Nest	U	N	N

Supplementary Table 2. Summary data for temperature data loggers deployed into green sea turtle nests laid at Rose Atoll from 2016-2019 during the nesting season (n=51). Data includes the TurtleID#, temperature data logger#, curved carapace length (CCL, cm), date and time temperature data logger was deployed, # eggs laid in the nest, peak temperature date and time, and incubation duration (lay date to peak temperature date).

Turtle ID#	Temperature Data Logger ID#	CCL (cm)	Date & Time Deployed	# Eggs Laid	Peak Temp Date & Time	Incubation Duration (days)
982.000167841177	10909822	106	12/2/2016 2:05	117	1/15/2017 8:00	44.2
982.000167795602	10909829	104	12/1/2016 20:20	90	1/22/2017 8:00	51.5
982.000167828065	10909830	102	12/4/2016 1:13	106	1/23/2017 7:00	50.2
982.000364208917	10909831	107	12/1/2016 23:53	107	1/15/2017 15:00	44.6
982.000364285845	10909833	107	12/1/2016 23:51	92	1/20/2017 18:00	49.8
982.000167838247	10909834	104	12/4/2016 20:20	82	1/24/2017 8:00	50.5
982.000364287718	10909839	99	12/2/2016 22:00	69	1/24/2017 0:00	52.1
982.000364283241	10986155	103	12/3/2016 21:33	97	1/12/2017 16:00	39.8
982.000364284645	10986157	106	12/2/2016 22:00	94	1/13/2017 4:00	41.2
982.000364345548	10909822	105.5	12/3/2017 22:58	117	1/17/2018 10:00	44.5
982.000402166682	10909824	108.5	12/3/2017 1:09	109	Not recovered	NA
982.000402166797	10909825	95	12/3/2017 U	87	Data corrupt	NA
982.000402163323	10909826	103	12/2/2017 19:56	110	1/20/2018 4:00	48.3
982.000364191413	10909827	103	12/4/2017 0:45	88	Not recovered	NA
982.000402162829	10909828	105.5	12/2/2017 19:27	107	1/19/2018 6:00	47.4
982.000402163206	10909829	101	12/3/2017 22:00	76	Not recovered	NA
982.000402163373	10909830	98.6	12/4/2017 1:19	111	1/19/2018 14:00	46.6
982.000364283597	10909831	104.9	12/5/2017 0:45	U	Not recovered	NA
982.000402167085	10909833	102.1	12/1/2017 23:05	117	3/10/2018 14:00	98.6
982.000402162920	10909834	104.8	12/2/2017 U	92	Not recovered	NA
982.000402162875	10909836	101	12/3/2017 22:45	79	Not recovered	NA
982.000402167409	10909837	102	12/2/2017 21:41	85	Not recovered	NA
20171202RONE9	10909838	U	12/2/2017 20:54	U	Not recovered	NA
20171130RONE2	10909839	U	11/30/2017 23:15	109	1/17/2018 4:00	47.2
982.000402166566	10986141	106.1	12/3/2017 21:00	125	1/18/2018 6:00	45.4
982.000167837745	10986143	110.5	12/1/2017 23:18	87	1/15/2018 20:00	45.8
982.000402167018	10986144	108.9	11/30/2017 U	79	1/17/2018 16:00	48.7
982.000402162457	10986145	101.7	12/3/2017 23:10	107	1/21/2018 6:00	48.3
982.000167798686	10986146	110.9	12/1/2017 0:39	116	Not recovered	NA
982.000190657320	10986148	93.7	12/2/2017 1:45	76	Not recovered	NA
982.000402163649	10986155	109.8	12/3/2017 23:32	94	1/17/2018 4:00	44.2
20171201RONE5	10986157	U	12/1/2017 22:34	89	1/17/2018 6:00	46.3
982.000167799647	20104310	114.7	12/3/2017 22:30	117	2/21/2018 14:00	78.7
982.000364289376	10909825	100	2/1/2018 21:30	106	Data corrupt	NA
982.000410622305	10909830	111	12/5/2019 21:30	111	Not recovered	NA
PI2801	20304386	97.8	11/1/2019 20:00	91	Data corrupt	NA
982.000410621534	20304387	102.8	12/9/2019 5:15	81	3/8/2020 12:00	90.3
982.000410619635	20304390	93.1	12/6/2019 3:15	61	1/29/2020 14:00	54.4
PI2807	20304391	92.7	11/2/2019 22:30	76	12/15/2019 2:00	42.1
982.000408563965	20432404	96.1	12/9/2019 U	83	1/31/2020 21:00	53.9
982.000408557535	20432405	102	12/9/2019 3:45	96	1/30/2020 5:00	52.1
982.000408557210	20432406	105	12/6/2019 22:35	115	Data corrupt	NA
982.000410615058	20432407	103.5	12/6/2019 21:05	72	2/2/2020 1:00	57.2
982.000364267321	20432408	101	12/5/2019 21:26	81	2/1/2020 9:00	57.5
982.000410620393	20432409	106	12/7/2019 21:25	70	1/29/2020 9:00	52.5
982.000410622732	20432411	109.1	12/8/2019 23:20	108	1/31/2020 11:00	53.5
982.000408557968	20432412	102.4	12/9/2019 23:25	83	2/2/2020 3:00	54.1
982.000364290530	20432413	97.5	12/4/2019 20:10	100	2/2/2020 17:00	59.9
982.000410620158	20456900	104.5	12/8/2019 23:10	78	2/1/2020 7:00	54.3
982.000408557535	20456901	99.8	12/7/2019 2:04	106	1/30/2020 9:00	54.3
PI2801	20456906	98.2	12/9/2019 19:45	U	2/2/2020 19:00	55

Supplementary Table 3. Hatchling morphometrics including hatchling ID# (n=45), date encountered, curved carapace length (CCL, cm), curved carapace width (CCW, cm), straight carapace length (SCL, cm), straight carapace width (SCW, cm),and whether a skin sample was collected. Note: the majority of these hatchlings were found scurrying at the field camp and it is not possible to link them to an identified nest.

	Mean +/- SD					
Hatchling ID#	CCL	CCW	SCL	SCW	Wt	#Sample
20171201ROHA1-9	5.01 ± 0.16	4.21 ± 0.29	U	U	U	0
20171202ROHA1-32	5.48 ± 0.16	4.45 ± 0.15	5.09 ± 0.42	3.99 ± 0.52	U	0
20171204ROHA1-3	5.17 ± 0.29	4.10 ± 0.17	4.83 ± 0.15	3.73 ± 0.25	U	0
20191207ROHA1	4.8	4.3	4.7	3.7	21.3	1

Supplementary Table 4. Excavation data including date excavated, including nest ID# (N=41), nest date, Turtle ID#, and occurrence of hatchling entrapment, debris found in the nest, photo or video taken, and whether a skin sample was collected.

Excavation Date	NestID	NestDate	TurtleID	Hatchling Entrapment	Debris Found in the Nest	Photos Taken	Videos Taken	Samples Collected
3/23/2017	B2	12/2/2016	982.000167841177	N	N	N	N	N
3/23/2017	B1	12/1/2016	982.000167795602	N	N	N	N	N
3/23/2017	E7	12/4/2016	982.000167828065	N	N	N	N	N
3/23/2017	A3	12/1/2016	982.000364208917	N	N	N	N	N
3/23/2017	B5	12/1/2016	982.000364285845	N	N	N	N	N
3/23/2017	E3	12/4/2016	982.000167838247	N	N	N	N	N
3/23/2017	A1	12/2/2016	982.000364287718	N	N	N	N	N
3/23/2017	C1	12/2/2016	982.000364284645	N	N	N	N	N
3/23/2017	D3	12/3/2016	982.000364284645	N	N	N	N	N
Feb 2018	A3	12/3/17	982.000402166797	N	N	N	N	N
2/22/2018	D16	12/4/17	982.000402163373	N	N	N	N	N
2/22/2018	B7	12/1/17	982.000167837745	N	N	N	N	N
2/22/2018	C2	12/4/17	982.000167799647	N	N	N	N	N
2/28/2018	D12	12/3/17	982.000364345548	N	N	N	N	N
6/23/2018	C1	12/2/17	982.000402163323	N	N	N	N	N
6/23/2018	B5	12/1/17	20171201RONE5	N	N	N	N	N
6/24/2018	D1	12/3/17	982.000402166566	N	N	N	N	N
6/24/2018	A1	11/30/17	982.000402167018	N	N	N	N	N
6/24/2018	B1	12/3/17	982.000402162457	N	N	N	N	N
12/9/2018	20181209ROEX2	2/1/18	982.000364289376	N	N	Y	N	Y
12/8/2018	20181208ROEX1	12/1/17	982.000402167085	N	N	N	N	N
12/9/2018	20181209ROEX3	U	U	Y	N	Y	N	Y
12/10/2018	20181210ROEX1	12/2/17	982.000402162829	N	N	N	N	N
12/10/2018	20181210ROEX2	12/3/17	982.000402163649	N	N	N	N	Y
3/23/2020	A2	11/30/17	20171130RONE2	N	N	N	N	N
3/23/2020	A2		PI2801	N	N	N	N	N
3/23/2020	B3	11/2/19	PI2807	N	N	N	N	N
3/23/2020	E5	12/9/19	982.000408557535	N	N	N	N	N
3/23/2020	B8		982.000408557210	N	N	N	N	N
3/23/2020	C7	12/7/19	982.000410614999	N	N	N	N	N
3/23/2020	F1	12/9/19	982.000408557968	N	N	N	N	N

Supplementary Table 4. Excavation data including date excavated, including nest ID# (N=41), nest date, Turtle ID#, and occurrence of hatchling entrapment, debris found in the nest, photo or video taken, and whether a skin sample was collected.

3/23/2020	A1	12/4/19	982.000364290530	N	N	N	N	N
3/23/2020	E1	12/8/19	982.000410620158	N	N	N	N	N
3/23/2020	C4	12/7/19	982.000408565675	N	N	N	N	N
3/24/2020	B6	12/6/19	982.000410619635	N	N	N	N	N
3/24/2020	E7	12/9/19	982.000408563965	N	N	N	N	N
3/24/2020	C2	12/6/19	982.000410615058	N	N	N	N	N
3/24/2020	B1	12/5/19	982.000364267321	N	N	N	N	N
3/24/2020	E4	12/6/19	982.000410622372	N	N	N	N	N
3/24/2020	D2	12/9/19	PI2801	N	N	N	N	N
March 2020	E8	12/9/19	982.000410621534	N	N	N	N	N

Supplemental Table 5. Summary of satellite tagged nesting female green sea turtles (n=48, Wildlife Computers) and drifter tags deployed (n=12, Desert Star) including the application date, transmitter manufacturer and model, number of days transmitting, last transmission date, and last location.

Date	Nester CCL (cm)	Satellite Transmitter ID#	Manufacturer & Model#	# Days Transmitting	Distance Traveled (km)	Number of GPS or LC 1 Locations	Number of GP or LC 2 Locations	Number of GPS or LC 3 Locations	Number of GPS or LC A Locations	Number of GPS or LC B Locations	Last Transmission Date	Last Location
12/2/2013	100	85486	Wildlife Computers MK-10-AF	663	1472.1	209	1336	55	47	31	9/26/2015	Lau, Fiji
12/2/2013	88.6	85487	Wildlife Computers MK-10-AF	204	4389.7	74	74	39	292	1818	6/24/2014	Manewaro, Solomon Islands
9/26/2012	88	85489	Wildlife Computers MK-10-AF	264	604	43	32	23	157	1235	6/17/2013	Safata Bay, Samoa
9/28/2012	95	85490	Wildlife Computers MK-10-AF	208	890.2	49	60	82	138	1001	4/24/2013	Falelatai, Samoa
12/2/2013	105.7	121126	Wildlife Computers Spot 5	139	1901	20	17	23	139	1414	4/20/2014	Nadogo Island, Fiji
12/3/2013	100.5	121127	Wildlife Computers Spot 5	311	1798.9	55	31	32	252	1841	10/10/2014	Lomaiviti, Gau Island, Fiji
12/2/2013	99	121128	Wildlife Computers Spot 5	293	7778.7	107	81	55	421	2468	9/21/2014	Modeiwa Mission, Papua New Guinea
12/3/2013	93	121131	Wildlife Computers Spot 5	172	2148.8	27	37	23	225	1893	5/24/2014	Lomaiviti, Gau Island, Fiji
12/5/2013	100.3	131992	Wildlife Computers Splash 400	272	1992.8	216	250	141	667	2532	9/3/2014	N of Yanuca Island, Fiji
12/4/2013	107.5	131993	Wildlife Computers Splash 10-F	198	1647.8	42	61	39	296	2083	6/20/2014	Kioa Island, Fiji
12/2/2013	NA	134377	Desert Star Systems Drifter tag	164	1428.5	188	204	133	434	1635	5/16/2014	Viti Levu Group, Fiji
12/2/2013	NA	134378	Desert Star Systems Drifter tag	338	1169.8	138	222	117	498	2007	11/6/2014	Near Dakuiloa, Fiji
12/2/2013	NA	134379	Desert Star Systems Drifter tag	148	1198.5	278	460	264	498	1273	4/30/2014	Near Wailagilala Island, Fiji
12/2/2013	NA	134380	Desert Star Systems Drifter tag	390	1044.7	224	356	215	751	2937	12/28/2014	Lau, Fiji
11/28/2014	114.2	142757	Wildlife Computers Spot 5	401	3189.8	473	313	231	725	2037	1/3/2016	Reserve naturelle du Cap N'Dua, New Caledonia
11/29/2014	103.8	142758	Wildlife Computers Spot 5	178	1689.4	112	117	65	376	1543	5/26/2015	Wailevu West, Fiji
11/29/2014	98	142759	Wildlife Computers Spot 5	282	1487.6	102	79	54	491	1689	9/7/2015	Vanua Levu, Fiji
11/28/2014	110	142760	Wildlife Computers Spot 5	142	1943	83	76	48	342	1080	4/19/2015	N Tavua Bay, Fiji
11/30/2014	100.8	142761	Wildlife Computers Spot 5	379	1945.9	141	92	41	618	2695	12/14/2015	Viti Levu, Fiji
11/30/2014	109.6	142762	Wildlife Computers Spot 5	69	1571.5	27	42	31	143	523	2/7/2015	Laucala Island, Fiji
11/26/2014	85	142763	Wildlife Computers Spot 5	139	1124.7	66	43	43	275	955	4/14/2015	Satupaitea, Savai, Samoa
11/28/2014	103	142764	Wildlife Computers Spot 5	271	2129.7	69	61	59	426	2176	8/26/2015	Momi, Fiji
11/26/2014	99	142765	Wildlife Computers Spot 5	857	1459.9	131	119	136	1219	6556	4/1/2017	Naitauba Island, Fiji
11/28/2014	114	142766	Wildlife Computers Spot 5	316	2041.1	176	96	100	600	2467	10/10/2015	S Koro Island, Fiji
11/30/2018	NA	144816	Desert Star Systems Drifter tag	414	11842.5	22	6	5	177	1218	1/26/2020	SW of Tonga
11/30/2018	NA	144817	Desert Star Systems Drifter tag	221	6479.1	1	2	0	35	725	7/17/2019	SW of Niuatoputapu Island, Tonga
11/30/2018	NA	144818	Desert Star Systems Drifter tag	202	5903.1	75	23	9	220	732	6/28/2019	S Foa Island, Tonga
11/30/2018	NA	144819	Desert Star Systems Drifter tag	333	7264.9	2	0	3	59	1104	11/6/2019	SW of Niue, South Pacific Ocean
12/4/2019	NA	144830	Desert Star Systems Drifter tag	116	2952.7	59	29	13	75	283	3/29/2020	SW of Late Island, Tonga
12/4/2019	NA	144831	Desert Star Systems Drifter tag	130	3036	67	31	7	80	324	4/12/2020	NW of Vava'u Island, Tonga
12/10/2019	NA	144832	Desert Star Systems Drifter tag	91	2031.1	49	15	7	84	232	3/4/2020	SE of Rose Atoll, American Samoa
12/10/2019	NA	144833	Desert Star Systems Drifter tag	133	2722.3	35	15	8	94	312	4/15/2020	NW of Cook Islands
12/3/2015	98	157637	Wildlife Computers Spot 5	738	1521.3	187	381	1505	448	1188	12/10/2017	Udu, Fiji
12/2/2015	109.5	157638	Wildlife Computers Spot 5	63	2398.4	11	10	6	49	433	2/3/2016	Matuku Island, Lau, Fiji
12/7/2015	91	157639	Wildlife Computers Spot 5	407	1238.3	94	90	130	621	3039	1/17/2017	Cook Islands
12/2/2015	106.5	157640	Wildlife Computers Spot 5	157	606.8	34	29	42	122	624	5/7/2016	A'ana, Samoa
12/5/2015	103.5	157641	Wildlife Computers Spot 5	189	1626.3	8	10	8	75	1037	6/11/2016	Viti Levu, Fiji
12/4/2015	103.5	157644	Wildlife Computers Spot	536	3825.3	236	133	67	547	2424	5/23/2017	S Grande Terre, New Caledonia
12/5/2015	102	157645	Wildlife Computers Spot	98	3505.3	33	42	40	165	737	3/12/2016	New Caledonia
12/5/2015	101	157646	Wildlife Computers Spot 5	165	4178.4	71	67	109	305	1254	5/18/2016	Voh, New Caledonia
12/1/2016	107	166321	Wildlife Computers Spot 5	204	1791.5	56	63	66	495	1587	6/23/2017	Laucala Island, Fiji
11/30/2016	102	166322	Wildlife Computers Spot 5	232	2304.9	42	54	39	226	1176	7/20/2017	Viti Levu, Fiji
11/30/2016	99	166323	Wildlife Computers Spot 5	88	2339.3	17	18	28	80	796	2/26/2017	Kadavu Province, Fiji
12/1/2016	106	166324	Wildlife Computers 5pot 5	84	522.4	21	19	25	137	637	2/23/2017	Apolima Strait, Samoa
12/1/2016	107	166325	Wildlife Computers Spot 5	76	1866.4	43	58	124	118	477	2/15/2017	Lomaiviti, Gau Island, Fiji
12/3/2016	97	166326	Wildlife Computers Spot 5	82	2298.2	39	48	68	162	681	2/23/2017	Kadavu Province, Fiji
12/2/2016	108	166327	Wildlife Computers Spot 6	127	1916.6	46	71	65	290	1049	4/8/2017	Kadavu Province, Fiji
12/1/2016	104	166328	Wildlife Computers Spot 5	93	1627.9	35	18	27	151	604	3/4/2017	S Nairai Island, Fiji
12/10/2018	102.5	171237	Wildlife Computers Splash 10-F-297A	277	1942.8	232	70	75	223	973	9/13/2019	Avea Island, Lau, Fiji
11/30/2017	95	171266	Wildlife Computers Splash	309	3148.9	69	110	142	509	2978	10/5/2018	Malekula, Vanuatu
11/30/2017	110.9	171267	Wildlife Computers Splash	288	1907.7	46	20	75	390	2352	9/14/2018	Wainunu Bay (near Saolo), Fiji

Supplemental Table 5. Summary of satellite tagged nesting female green sea turtles (n=48, Wildlife Computers) and drifter tags deployed (n=12, Desert Star) including the application date, transmitter manufacturer and model, number of days transmitting, last transmission date, and last location.

12/2/2017	103	171268	Wildlife Computers Spot 293A	27	-*	7	6	9	37	199	12/29/2017	Rose Atoll, American Samoa
11/30/2017	108.9	171269	Wildlife Computers Spot 293A	140	1454.5	100	80	94	338	882	4/19/2018	Taveuni Island, Fiji
12/1/2017	102.1	171270	Wildlife Computers Spot 293A	160	1809.4	16	16	21	164	1131	5/10/2018	Kadavu (Southeast), Fiji
12/11/2018	111.6	176768	Wildlife Computers Splash 10-F-297A	229	2051.9	314	153	106	494	1199	7/28/2019	Eastern Division, Fiji
12/4/2019	97.5	176782	Wildlife Computers Splash 10-F-297A	144	2109.4	175	115	102	438	1389	4/26/2020	Dreketi, Fiji
12/5/2019	105	176783	Wildlife Computers Splash 10-F-297A	170	3382.7	187	91	37	372	1112	5/23/2020	SE Kotomo Island, New Caledonia
12/7/2019	98.2	176784	Wildlife Computers Splash 10-F-297A	154	1555.8	300	118	145	358	940	5/29/2020	Matei, Fiji
12/6/2019	105	176785	Wildlife Computers Splash 10-F-297A	170	1983.8	256	150	130	478	1332	5/24/2020	Nasilai, Fiji
12/8/2019	104.5	176787	Wildlife Computers Splash 10-F-297A	147	1776	244	109	175	283	849	5/3/2020	Nabouwalu, Fiji
Average				231.61	2123.4						-	-

*Transmitter stopped functioning while green turtle was still at Rose Atoll, American Samoa

Supplemental Table 6. Summary of daily average temperatures recorded by temperature data loggers (n=30, HOBO TidbiT) including the logger type, logger number, temperature daily average, region, island, latitutude and longitude of deployment, turtle mototool number, date and time deployed, date and time of excavation, retrieval time of logger, maximum temperature, date and time of maximum temperature, and days to maximum temperature.

Temperature Data Logger Type	Temperature Data Logger ID#	Date	Daily Temperature Average (°C)	Region	Island	DeployLat	DeployLon	Turtle Mototool#	Date Deployed	Time Deployed	Exacavation Date	Excavation Start Time	Data Logger Retrieved Time	Maximum Temperature (°C)	Maximum Temperature Date and Time	Days to Maximum Temperature
TIDBIT	10909822	12/3/2016	29.5	American Samoa	Rose Island	-14.547388	-168.143507	B2	12/2/2016	2:05	3/23/2017	16:34	16:42	33.9	1/15/2017 8:00	44.2
TIDBIT	10909822	12/4/2016	29.6	American Samoa	Rose Island	-14.547388	-168.143507	B2	12/2/2016	2:05	3/23/2017	16:34	16:42	33.9	1/15/2017 8:00	44.2
TIDBIT	10909822	12/5/2016	29.8	American Samoa	Rose Island	-14.547388	-168.143507	B2	12/2/2016	2:05	3/23/2017	16:34	16:42	33.9	1/15/2017 8:00	44.2
TIDBIT	10909822	12/6/2016	29.7	American Samoa	Rose Island	-14.547388	-168.143507	B2	12/2/2016	2:05	3/23/2017	16:34	16:42	33.9	1/15/2017 8:00	44.2
TIDBIT	10909822	12/7/2016	29.6	American Samoa	Rose Island	-14.547388	-168.143507	B2	12/2/2016	2:05	3/23/2017	16:34	16:42	33.9	1/15/2017 8:00	44.2
TIDBIT	10909822	12/8/2016	29.6	American Samoa	Rose Island	-14.547388	-168.143507	B2	12/2/2016	2:05	3/23/2017	16:34	16:42	33.9	1/15/2017 8:00	44.2
TIDBIT	10909822	12/9/2016	29.7	American Samoa	Rose Island	-14.547388	-168.143507	B2	12/2/2016	2:05	3/23/2017	16:34	16:42	33.9	1/15/2017 8:00	44.2
TIDBIT	10909822	12/10/2016	29.7	American Samoa	Rose Island	-14.547388	-168.143507	B2	12/2/2016	2:05	3/23/2017	16:34	16:42	33.9	1/15/2017 8:00	44.2
TIDBIT	10909822	12/11/2016	29.8	American Samoa	Rose Island	-14.547388	-168.143507	B2	12/2/2016	2:05	3/23/2017	16:34	16:42	33.9	1/15/2017 8:00	44.2
TIDBIT	10909822	12/12/2016	29.8	American Samoa	Rose Island	-14.547388	-168.143507	B2	12/2/2016	2:05	3/23/2017	16:34	16:42	33.9	1/15/2017 8:00	44.2
TIDBIT	10909822	12/13/2016	29.6	American Samoa	Rose Island	-14.547388	-168.143507	B2	12/2/2016	2:05	3/23/2017	16:34	16:42	33.9	1/15/2017 8:00	44.2
TIDBIT	10909822	12/14/2016	29.4	American Samoa	Rose Island	-14.547388	-168.143507	B2	12/2/2016	2:05	3/23/2017	16:34	16:42	33.9	1/15/2017 8:00	44.2
TIDBIT	10909822	12/15/2016	29.3	American Samoa	Rose Island	-14.547388	-168.143507	B2	12/2/2016	2:05	3/23/2017	16:34	16:42	33.9	1/15/2017 8:00	44.2
TIDBIT	10909822	12/16/2016	29.3	American Samoa	Rose Island	-14.547388	-168.143507	B2	12/2/2016	2:05	3/23/2017	16:34	16:42	33.9	1/15/2017 8:00	44.2
TIDBIT	10909822	12/17/2016	29.4	American Samoa	Rose Island	-14.547388	-168.143507	B2	12/2/2016	2:05	3/23/2017	16:34	16:42	33.9	1/15/2017 8:00	44.2
TIDBIT	10909822	12/18/2016	29.4	American Samoa	Rose Island	-14.547388	-168.143507	B2	12/2/2016	2:05	3/23/2017	16:34	16:42	33.9	1/15/2017 8:00	44.2
TIDBIT	10909822	12/19/2016	29.4	American Samoa	Rose Island	-14.547388	-168.143507	B2	12/2/2016	2:05	3/23/2017	16:34	16:42	33.9	1/15/2017 8:00	44.2
TIDBIT	10909822	12/20/2016	29.6	American Samoa	Rose Island	-14.547388	-168.143507	B2	12/2/2016	2:05	3/23/2017	16:34	16:42	33.9	1/15/2017 8:00	44.2
TIDBIT	10909822	12/21/2016	29.5	American Samoa	Rose Island	-14.547388	-168.143507	B2	12/2/2016	2:05	3/23/2017	16:34	16:42	33.9	1/15/2017 8:00	44.2
TIDBIT	10909822	12/22/2016	29.3	American Samoa	Rose Island	-14.547388	-168.143507	B2	12/2/2016	2:05	3/23/2017	16:34	16:42	33.9	1/15/2017 8:00	44.2
TIDBIT	10909822	12/23/2016	29.1	American Samoa	Rose Island	-14.547388	-168.143507	B2	12/2/2016	2:05	3/23/2017	16:34	16:42	33.9	1/15/2017 8:00	44.2
TIDBIT	10909822	12/24/2016	28.8	American Samoa	Rose Island	-14.547388	-168.143507	B2	12/2/2016	2:05	3/23/2017	16:34	16:42	33.9	1/15/2017 8:00	44.2
TIDBIT	10909822	12/25/2016	28.7	American Samoa	Rose Island	-14.547388	-168.143507	B2	12/2/2016	2:05	3/23/2017	16:34	16:42	33.9	1/15/2017 8:00	44.2
TIDBIT	10909822	12/26/2016	28.7	American Samoa	Rose Island	-14.547388	-168.143507	B2	12/2/2016	2:05	3/23/2017	16:34	16:42	33.9	1/15/2017 8:00	44.2
TIDBIT	10909822	12/27/2016	28.9	American Samoa	Rose Island	-14.547388	-168.143507	B2	12/2/2016	2:05	3/23/2017	16:34	16:42	33.9	1/15/2017 8:00	44.2
TIDBIT	10909822	12/28/2016	29.2	American Samoa	Rose Island	-14.547388	-168.143507	B2	12/2/2016	2:05	3/23/2017	16:34	16:42	33.9	1/15/2017 8:00	44.2
TIDBIT	10909822	12/29/2016	29.2	American Samoa	Rose Island	-14.547388	-168.143507	B2	12/2/2016	2:05	3/23/2017	16:34	16:42	33.9	1/15/2017 8:00	44.2
TIDBIT	10909822	12/30/2016	29.1	American Samoa	Rose Island	-14.547388	-168.143507	B2	12/2/2016	2:05	3/23/2017	16:34	16:42	33.9	1/15/2017 8:00	44.2
TIDBIT	10909822	12/31/2016	29.3	American Samoa	Rose Island	-14.547388	-168.143507	B2	12/2/2016	2:05	3/23/2017	16:34	16:42	33.9	1/15/2017 8:00	44.2
TIDBIT	10909822	1/1/2017	29.7	American Samoa	Rose Island	-14.547388	-168.143507	B2	12/2/2016	2:05	3/23/2017	16:34	16:42	33.9	1/15/2017 8:00	44.2
TIDBIT	10909822	1/2/2017	29.9	American Samoa	Rose Island	-14.547388	-168.143507	B2	12/2/2016	2:05	3/23/2017	16:34	16:42	33.9	1/15/2017 8:00	44.2
TIDBIT	10909822	1/3/2017	30.1	American Samoa	Rose Island	-14.547388	-168.143507	B2	12/2/2016	2:05	3/23/2017	16:34	16:42	33.9	1/15/2017 8:00	44.2
TIDBIT	10909822	1/4/2017	30.4	American Samoa	Rose Island	-14.547388	-168.143507	B2	12/2/2016	2:05	3/23/2017	16:34	16:42	33.9	1/15/2017 8:00	44.2
TIDBIT	10909822	1/5/2017	30.7	American Samoa	Rose Island	-14.547388	-168.143507	B2	12/2/2016	2:05	3/23/2017	16:34	16:42	33.9	1/15/2017 8:00	44.2
TIDBIT	10909822	1/6/2017	31.1	American Samoa	Rose Island	-14.547388	-168.143507	B2	12/2/2016	2:05	3/23/2017	16:34	16:42	33.9	1/15/2017 8:00	44.2
TIDBIT	10909822	1/7/2017	31.5	American Samoa	Rose Island	-14.547388	-168.143507	B2	12/2/2016	2:05	3/23/2017	16:34	16:42	33.9	1/15/2017 8:00	44.2
TIDBIT	10909822	1/8/2017	31.9	American Samoa	Rose Island	-14.547388	-168.143507	B2	12/2/2016	2:05	3/23/2017	16:34	16:42	33.9	1/15/2017 8:00	44.2
TIDBIT	10909822	1/9/2017	32.4	American Samoa	Rose Island	-14.547388	-168.143507	B2	12/2/2016	2:05	3/23/2017	16:34	16:42	33.9	1/15/2017 8:00	44.2
TIDBIT	10909822	1/10/2017	32.8	American Samoa	Rose Island	-14.547388	-168.143507	B2	12/2/2016	2:05	3/23/2017	16:34	16:42	33.9	1/15/2017 8:00	44.2
TIDBIT	10909822	1/11/2017	33.1	American Samoa	Rose Island	-14.547388	-168.143507	B2	12/2/2016	2:05	3/23/2017	16:34	16:42	33.9	1/15/2017 8:00	44.2
TIDBIT	10909822	1/12/2017	33.3	American Samoa	Rose Island	-14.547388	-168.143507	B2	12/2/2016	2:05	3/23/2017	16:34	16:42	33.9	1/15/2017 8:00	44.2
TIDBIT	10909822	1/13/2017	33.6	American Samoa	Rose Island	-14.547388	-168.143507	B2	12/2/2016	2:05	3/23/2017	16:34	16:42	33.9	1/15/2017 8:00	44.2
TIDBIT	10909822	1/14/2017	33.7	American Samoa	Rose Island	-14.547388	-168.143507	B2	12/2/2016	2:05	3/23/2017	16:34	16:42	33.9	1/15/2017 8:00	44.2
TIDBIT	10909822	1/15/2017	33.8	American Samoa	Rose Island	-14.547388	-168.143507	B2	12/2/2016	2:05	3/23/2017	16:34	16:42	33.9	1/15/2017 8:00	44.2
TIDBIT	10909829	12/2/2016	29.4	American Samoa	Rose Island	-14.546186	-168.144116	B1	12/1/2016	20:20	3/23/2017	7:50	7:50	33.5	1/22/2017 8:00	51.5
TIDBIT	10909829	12/3/2016	29.7	American Samoa	Rose Island	-14.546186	-168.144116	B1	12/1/2016	20:20	3/23/2017	7:50	7:50	33.5	1/22/2017 8:00	51.5
TIDBIT	10909829	12/4/2016	30.1	American Samoa	Rose Island	-14.546186	-168.144116	B1	12/1/2016	20:20	3/23/2017	7:50	7:50	33.5	1/22/2017 8:00	51.5
TIDBIT	10909829	12/5/2016	30.1	American Samoa	Rose Island	-14.546186	-168.144116	B1	12/1/2016	20:20	3/23/2017	7:50	7:50	33.5	1/22/2017 8:00	51.5
TIDBIT	10909829	12/6/2016	29.7	American Samoa	Rose Island	-14.546186	-168.144116	B1	12/1/2016	20:20	3/23/2017	7:50	7:50	33.5	1/22/2017 8:00	51.5
TIDBIT	10909829	12/7/2016	29.4	American Samoa	Rose Island	-14.546186	-168.144116	B1	12/1/2016	20:20	3/23/2017	7:50	7:50	33.5	1/22/2017 8:00	51.5
TIDBIT	10909829	12/8/2016	29.5	American Samoa	Rose Island	-14.546186	-168.144116	B1	12/1/2016	20:20	3/23/2017	7:50	7:50	33.5	1/22/2017 8:00	51.5
TIDBIT	10909829	12/9/2016	29.5	American Samoa	Rose Island	-14.546186	-168.144116	B1	12/1/2016	20:20	3/23/2017	7:50	7:50	33.5	1/22/2017 8:00	51.5

Supplemental Table 6. Summary of daily average temperatures recorded by temperature data loggers (n=30, HOBO TidbiT) including the logger type, logger number, temperature daily average, region, island, latitutde and longitude of deployment, turtle mototool number, date and time deployed, date and time of excavation, retrieval time of logger, maximum temperature, date and time of maximum temperature, and days to maximum temperature.

TIDBIT	10909829	12/10/2016	29.4	American Samoa	Rose Island	-14.546186	-168.144116	B1	12/1/2016	20:20	3/23/2017	7:50	7:50	33.5	1/22/2017 8:00	51.5
TIDBIT	10909829	12/11/2016	29.3	American Samoa	Rose Island	-14.546186	-168.144116	B1	12/1/2016	20:20	3/23/2017	7:50	7:50	33.5	1/22/2017 8:00	51.5
TIDBIT	10909829	12/12/2016	29.2	American Samoa	Rose Island	-14.546186	-168.144116	B1	12/1/2016	20:20	3/23/2017	7:50	7:50	33.5	1/22/2017 8:00	51.5
TIDBIT	10909829	12/13/2016	28.7	American Samoa	Rose Island	-14.546186	-168.144116	B1	12/1/2016	20:20	3/23/2017	7:50	7:50	33.5	1/22/2017 8:00	51.5
TIDBIT	10909829	12/14/2016	28.5	American Samoa	Rose Island	-14.546186	-168.144116	B1	12/1/2016	20:20	3/23/2017	7:50	7:50	33.5	1/22/2017 8:00	51.5
TIDBIT	10909829	12/15/2016	28.5	American Samoa	Rose Island	-14.546186	-168.144116	B1	12/1/2016	20:20	3/23/2017	7:50	7:50	33.5	1/22/2017 8:00	51.5
TIDBIT	10909829	12/16/2016	28.8	American Samoa	Rose Island	-14.546186	-168.144116	B1	12/1/2016	20:20	3/23/2017	7:50	7:50	33.5	1/22/2017 8:00	51.5
TIDBIT	10909829	12/17/2016	29.1	American Samoa	Rose Island	-14.546186	-168.144116	B1	12/1/2016	20:20	3/23/2017	7:50	7:50	33.5	1/22/2017 8:00	51.5
TIDBIT	10909829	12/18/2016	29.1	American Samoa	Rose Island	-14.546186	-168.144116	B1	12/1/2016	20:20	3/23/2017	7:50	7:50	33.5	1/22/2017 8:00	51.5
TIDBIT	10909829	12/19/2016	29.2	American Samoa	Rose Island	-14.546186	-168.144116	B1	12/1/2016	20:20	3/23/2017	7:50	7:50	33.5	1/22/2017 8:00	51.5
TIDBIT	10909829	12/20/2016	29.3	American Samoa	Rose Island	-14.546186	-168.144116	B1	12/1/2016	20:20	3/23/2017	7:50	7:50	33.5	1/22/2017 8:00	51.5
TIDBIT	10909829	12/21/2016	29.1	American Samoa	Rose Island	-14.546186	-168.144116	B1	12/1/2016	20:20	3/23/2017	7:50	7:50	33.5	1/22/2017 8:00	51.5
TIDBIT	10909829	12/22/2016	28.8	American Samoa	Rose Island	-14.546186	-168.144116	B1	12/1/2016	20:20	3/23/2017	7:50	7:50	33.5	1/22/2017 8:00	51.5
TIDBIT	10909829	12/23/2016	28.3	American Samoa	Rose Island	-14.546186	-168.144116	B1	12/1/2016	20:20	3/23/2017	7:50	7:50	33.5	1/22/2017 8:00	51.5
TIDBIT	10909829	12/24/2016	28.3	American Samoa	Rose Island	-14.546186	-168.144116	B1	12/1/2016	20:20	3/23/2017	7:50	7:50	33.5	1/22/2017 8:00	51.5
TIDBIT	10909829	12/25/2016	28.2	American Samoa	Rose Island	-14.546186	-168.144116	B1	12/1/2016	20:20	3/23/2017	7:50	7:50	33.5	1/22/2017 8:00	51.5
TIDBIT	10909829	12/26/2016	28.3	American Samoa	Rose Island	-14.546186	-168.144116	B1	12/1/2016	20:20	3/23/2017	7:50	7:50	33.5	1/22/2017 8:00	51.5
TIDBIT	10909829	12/27/2016	28.6	American Samoa	Rose Island	-14.546186	-168.144116	B1	12/1/2016	20:20	3/23/2017	7:50	7:50	33.5	1/22/2017 8:00	51.5
TIDBIT	10909829	12/28/2016	28.8	American Samoa	Rose Island	-14.546186	-168.144116	B1	12/1/2016	20:20	3/23/2017	7:50	7:50	33.5	1/22/2017 8:00	51.5
TIDBIT	10909829	12/29/2016	28.7	American Samoa	Rose Island	-14.546186	-168.144116	B1	12/1/2016	20:20	3/23/2017	7:50	7:50	33.5	1/22/2017 8:00	51.5
TIDBIT	10909829	12/30/2016	28.6	American Samoa	Rose Island	-14.546186	-168.144116	B1	12/1/2016	20:20	3/23/2017	7:50	7:50	33.5	1/22/2017 8:00	51.5
TIDBIT	10909829	12/31/2016	28.7	American Samoa	Rose Island	-14.546186	-168.144116	B1	12/1/2016	20:20	3/23/2017	7:50	7:50	33.5	1/22/2017 8:00	51.5
TIDBIT	10909829	1/1/2017	28.9	American Samoa	Rose Island	-14.546186	-168.144116	B1	12/1/2016	20:20	3/23/2017	7:50	7:50	33.5	1/22/2017 8:00	51.5
TIDBIT	10909829	1/2/2017	28.9	American Samoa	Rose Island	-14.546186	-168.144116	B1	12/1/2016	20:20	3/23/2017	7:50	7:50	33.5	1/22/2017 8:00	51.5
TIDBIT	10909829	1/3/2017	29.0	American Samoa	Rose Island	-14.546186	-168.144116	B1	12/1/2016	20:20	3/23/2017	7:50	7:50	33.5	1/22/2017 8:00	51.5
TIDBIT	10909829	1/4/2017	29.2	American Samoa	Rose Island	-14.546186	-168.144116	B1	12/1/2016	20:20	3/23/2017	7:50	7:50	33.5	1/22/2017 8:00	51.5
TIDBIT	10909829	1/5/2017	29.6	American Samoa	Rose Island	-14.546186	-168.144116	B1	12/1/2016	20:20	3/23/2017	7:50	7:50	33.5	1/22/2017 8:00	51.5
TIDBIT	10909829	1/6/2017	30.1	American Samoa	Rose Island	-14.546186	-168.144116	B1	12/1/2016	20:20	3/23/2017	7:50	7:50	33.5	1/22/2017 8:00	51.5
TIDBIT	10909829	1/7/2017	30.7	American Samoa	Rose Island	-14.546186	-168.144116	B1	12/1/2016	20:20	3/23/2017	7:50	7:50	33.5	1/22/2017 8:00	51.5
TIDBIT	10909829	1/8/2017	31.0	American Samoa	Rose Island	-14.546186	-168.144116	B1	12/1/2016	20:20	3/23/2017	7:50	7:50	33.5	1/22/2017 8:00	51.5
TIDBIT	10909829	1/9/2017	31.1	American Samoa	Rose Island	-14.546186	-168.144116	B1	12/1/2016	20:20	3/23/2017	7:50	7:50	33.5	1/22/2017 8:00	51.5
TIDBIT	10909829	1/10/2017	31.4	American Samoa	Rose Island	-14.546186	-168.144116	B1	12/1/2016	20:20	3/23/2017	7:50	7:50	33.5	1/22/2017 8:00	51.5
TIDBIT	10909829	1/11/2017	31.6	American Samoa	Rose Island	-14.546186	-168.144116	B1	12/1/2016	20:20	3/23/2017	7:50	7:50	33.5	1/22/2017 8:00	51.5
TIDBIT	10909829	1/12/2017	32.0	American Samoa	Rose Island	-14.546186	-168.144116	B1	12/1/2016	20:20	3/23/2017	7:50	7:50	33.5	1/22/2017 8:00	51.5
TIDBIT	10909829	1/13/2017	32.4	American Samoa	Rose Island	-14.546186	-168.144116	B1	12/1/2016	20:20	3/23/2017	7:50	7:50	33.5	1/22/2017 8:00	51.5
TIDBIT	10909829	1/14/2017	32.6	American Samoa	Rose Island	-14.546186	-168.144116	B1	12/1/2016	20:20	3/23/2017	7:50	7:50	33.5	1/22/2017 8:00	51.5
TIDBIT	10909829	1/15/2017	32.9	American Samoa	Rose Island	-14.546186	-168.144116	B1	12/1/2016	20:20	3/23/2017	7:50	7:50	33.5	1/22/2017 8:00	51.5
TIDBIT	10909829	1/16/2017	32.3	American Samoa	Rose Island	-14.546186	-168.144116	B1	12/1/2016	20:20	3/23/2017	7:50	7:50	33.5	1/22/2017 8:00	51.5
TIDBIT	10909829	1/17/2017	32.0	American Samoa	Rose Island	-14.546186	-168.144116	B1	12/1/2016	20:20	3/23/2017	7:50	7:50	33.5	1/22/2017 8:00	51.5
TIDBIT	10909829	1/18/2017	31.9	American Samoa	Rose Island	-14.546186	-168.144116	B1	12/1/2016	20:20	3/23/2017	7:50	7:50	33.5	1/22/2017 8:00	51.5
TIDBIT	10909829	1/19/2017	32.0	American Samoa	Rose Island	-14.546186	-168.144116	B1	12/1/2016	20:20	3/23/2017	7:50	7:50	33.5	1/22/2017 8:00	51.5
TIDBIT	10909829	1/20/2017	32.2	American Samoa	Rose Island	-14.546186	-168.144116	B1	12/1/2016	20:20	3/23/2017	7:50	7:50	33.5	1/22/2017 8:00	51.5
TIDBIT	10909829	1/21/2017	32.8	American Samoa	Rose Island	-14.546186	-168.144116	B1	12/1/2016	20:20	3/23/2017	7:50	7:50	33.5	1/22/2017 8:00	51.5
TIDBIT	10909829	1/22/2017	33.5	American Samoa	Rose Island	-14.546186	-168.144116	B1	12/1/2016	20:20	3/23/2017	7:50	7:50	33.5	1/22/2017 8:00	51.5
TIDBIT	10909830	12/5/2016	29.9	American Samoa	Rose Island	-14.547821	-168.143695	E7	12/4/2016	1:13	3/23/2017	8:40	8:40	33.8	1/23/2017 7:00	50.2
TIDBIT	10909830	12/6/2016	29.8	American Samoa	Rose Island	-14.547821	-168.143695	E7	12/4/2016	1:13	3/23/2017	8:40	8:40	33.8	1/23/2017 7:00	50.2
TIDBIT	10909830	12/7/2016	29.8	American Samoa	Rose Island	-14.547821	-168.143695	E7	12/4/2016	1:13	3/23/2017	8:40	8:40	33.8	1/23/2017 7:00	50.2
TIDBIT	10909830	12/8/2016	29.8	American Samoa	Rose Island	-14.547821	-168.143695	E7	12/4/2016	1:13	3/23/2017	8:40	8:40	33.8	1/23/2017 7:00	50.2
TIDBIT	10909830	12/9/2016	29.9	American Samoa	Rose Island	-14.547821	-168.143695	E7	12/4/2016	1:13	3/23/2017	8:40	8:40	33.8	1/23/2017 7:00	50.2
TIDBIT	10909830	12/10/2016	29.9	American Samoa	Rose Island	-14.547821	-168.143695	E7	12/4/2016	1:13	3/23/2017	8:40	8:40	33.8	1/23/2017 7:00	50.2
TIDBIT	10909830	12/11/2016	29.9	American Samoa	Rose Island	-14.547821	-168.143695	E7	12/4/2016	1:13	3/23/2017	8:40	8:40	33.8	1/23/2017 7:00	50.2
TIDBIT	10909830	12/12/2016	30.0	American Samoa	Rose Island	-14.547821	-168.143695	E7	12/4/2016	1:13	3/23/2017	8:40	8:40	33.8	1/23/2017 7:00	50.2
TIDBIT	10909830	12/13/2016	29.9	American Samoa	Rose Island	-14.547821	-168.143695	E7	12/4/2016	1:13	3/23/2017	8:40	8:40	33.8	1/23/2017 7:00	50.2
TIDBIT	10909830	12/14/2016	29.7	American Samoa	Rose Island	-14.547821	-168.143695	E7	12/4/2016	1:13	3/23/2017	8:40	8:40	33.8	1/23/2017 7:00	50.2
TIDBIT	10909830	12/15/2016	29.6	American Samoa	Rose Island	-14.547821	-168.143695	E7	12/4/2016	1:13	3/23/2017	8:40	8:40	33.8	1/23/2017 7:00	50.2

Supplemental Table 6. Summary of daily average temperatures recorded by temperature data loggers (n=30, HOBO TidbiT) including the logger type, logger number, temperature daily average, region, island, latitutude and longitude of deployment, turtle mototool number, date and time deployed, date and time of excavation, retrieval time of logger, maximum temperature, date and time of maximum temperature, and days to maximum temperature.

TIDBIT	10909830	12/16/2016	29.6	American Samoa	Rose Island	-14.547821	-168.143695	E7	12/4/2016	1:13	3/23/2017	8:40	8:40	33.8	1/23/2017 7:00	50.2
TIDBIT	10909830	12/17/2016	29.8	American Samoa	Rose Island	-14.547821	-168.143695	E7	12/4/2016	1:13	3/23/2017	8:40	8:40	33.8	1/23/2017 7:00	50.2
TIDBIT	10909830	12/18/2016	29.8	American Samoa	Rose Island	-14.547821	-168.143695	E7	12/4/2016	1:13	3/23/2017	8:40	8:40	33.8	1/23/2017 7:00	50.2
TIDBIT	10909830	12/19/2016	29.9	American Samoa	Rose Island	-14.547821	-168.143695	E7	12/4/2016	1:13	3/23/2017	8:40	8:40	33.8	1/23/2017 7:00	50.2
TIDBIT	10909830	12/20/2016	30.0	American Samoa	Rose Island	-14.547821	-168.143695	E7	12/4/2016	1:13	3/23/2017	8:40	8:40	33.8	1/23/2017 7:00	50.2
TIDBIT	10909830	12/21/2016	30.0	American Samoa	Rose Island	-14.547821	-168.143695	E7	12/4/2016	1:13	3/23/2017	8:40	8:40	33.8	1/23/2017 7:00	50.2
TIDBIT	10909830	12/22/2016	29.8	American Samoa	Rose Island	-14.547821	-168.143695	E7	12/4/2016	1:13	3/23/2017	8:40	8:40	33.8	1/23/2017 7:00	50.2
TIDBIT	10909830	12/23/2016	29.4	American Samoa	Rose Island	-14.547821	-168.143695	E7	12/4/2016	1:13	3/23/2017	8:40	8:40	33.8	1/23/2017 7:00	50.2
TIDBIT	10909830	12/24/2016	29.2	American Samoa	Rose Island	-14.547821	-168.143695	E7	12/4/2016	1:13	3/23/2017	8:40	8:40	33.8	1/23/2017 7:00	50.2
TIDBIT	10909830	12/25/2016	29.2	American Samoa	Rose Island	-14.547821	-168.143695	E7	12/4/2016	1:13	3/23/2017	8:40	8:40	33.8	1/23/2017 7:00	50.2
TIDBIT	10909830	12/26/2016	29.2	American Samoa	Rose Island	-14.547821	-168.143695	E7	12/4/2016	1:13	3/23/2017	8:40	8:40	33.8	1/23/2017 7:00	50.2
TIDBIT	10909830	12/27/2016	29.4	American Samoa	Rose Island	-14.547821	-168.143695	E7	12/4/2016	1:13	3/23/2017	8:40	8:40	33.8	1/23/2017 7:00	50.2
TIDBIT	10909830	12/28/2016	29.5	American Samoa	Rose Island	-14.547821	-168.143695	E7	12/4/2016	1:13	3/23/2017	8:40	8:40	33.8	1/23/2017 7:00	50.2
TIDBIT	10909830	12/29/2016	29.5	American Samoa	Rose Island	-14.547821	-168.143695	E7	12/4/2016	1:13	3/23/2017	8:40	8:40	33.8	1/23/2017 7:00	50.2
TIDBIT	10909830	12/30/2016	29.4	American Samoa	Rose Island	-14.547821	-168.143695	E7	12/4/2016	1:13	3/23/2017	8:40	8:40	33.8	1/23/2017 7:00	50.2
TIDBIT	10909830	12/31/2016	29.6	American Samoa	Rose Island	-14.547821	-168.143695	E7	12/4/2016	1:13	3/23/2017	8:40	8:40	33.8	1/23/2017 7:00	50.2
TIDBIT	10909830	1/1/2017	29.8	American Samoa	Rose Island	-14.547821	-168.143695	E7	12/4/2016	1:13	3/23/2017	8:40	8:40	33.8	1/23/2017 7:00	50.2
TIDBIT	10909830	1/2/2017	30.0	American Samoa	Rose Island	-14.547821	-168.143695	E7	12/4/2016	1:13	3/23/2017	8:40	8:40	33.8	1/23/2017 7:00	50.2
TIDBIT	10909830	1/3/2017	30.1	American Samoa	Rose Island	-14.547821	-168.143695	E7	12/4/2016	1:13	3/23/2017	8:40	8:40	33.8	1/23/2017 7:00	50.2
TIDBIT	10909830	1/4/2017	30.3	American Samoa	Rose Island	-14.547821	-168.143695	E7	12/4/2016	1:13	3/23/2017	8:40	8:40	33.8	1/23/2017 7:00	50.2
TIDBIT	10909830	1/5/2017	30.5	American Samoa	Rose Island	-14.547821	-168.143695	E7	12/4/2016	1:13	3/23/2017	8:40	8:40	33.8	1/23/2017 7:00	50.2
TIDBIT	10909830	1/6/2017	30.9	American Samoa	Rose Island	-14.547821	-168.143695	E7	12/4/2016	1:13	3/23/2017	8:40	8:40	33.8	1/23/2017 7:00	50.2
TIDBIT	10909830	1/7/2017	31.3	American Samoa	Rose Island	-14.547821	-168.143695	E7	12/4/2016	1:13	3/23/2017	8:40	8:40	33.8	1/23/2017 7:00	50.2
TIDBIT	10909830	1/8/2017	31.7	American Samoa	Rose Island	-14.547821	-168.143695	E7	12/4/2016	1:13	3/23/2017	8:40	8:40	33.8	1/23/2017 7:00	50.2
TIDBIT	10909830	1/9/2017	32.0	American Samoa	Rose Island	-14.547821	-168.143695	E7	12/4/2016	1:13	3/23/2017	8:40	8:40	33.8	1/23/2017 7:00	50.2
TIDBIT	10909830	1/10/2017	32.3	American Samoa	Rose Island	-14.547821	-168.143695	E7	12/4/2016	1:13	3/23/2017	8:40	8:40	33.8	1/23/2017 7:00	50.2
TIDBIT	10909830	1/11/2017	32.7	American Samoa	Rose Island	-14.547821	-168.143695	E7	12/4/2016	1:13	3/23/2017	8:40	8:40	33.8	1/23/2017 7:00	50.2
TIDBIT	10909830	1/12/2017	33.0	American Samoa	Rose Island	-14.547821	-168.143695	E7	12/4/2016	1:13	3/23/2017	8:40	8:40	33.8	1/23/2017 7:00	50.2
TIDBIT	10909830	1/13/2017	33.2	American Samoa	Rose Island	-14.547821	-168.143695	E7	12/4/2016	1:13	3/23/2017	8:40	8:40	33.8	1/23/2017 7:00	50.2
TIDBIT	10909830	1/14/2017	33.3	American Samoa	Rose Island	-14.547821	-168.143695	E7	12/4/2016	1:13	3/23/2017	8:40	8:40	33.8	1/23/2017 7:00	50.2
TIDBIT	10909830	1/15/2017	33.6	American Samoa	Rose Island	-14.547821	-168.143695	E7	12/4/2016	1:13	3/23/2017	8:40	8:40	33.8	1/23/2017 7:00	50.2
TIDBIT	10909830	1/16/2017	33.4	American Samoa	Rose Island	-14.547821	-168.143695	E7	12/4/2016	1:13	3/23/2017	8:40	8:40	33.8	1/23/2017 7:00	50.2
TIDBIT	10909830	1/17/2017	33.2	American Samoa	Rose Island	-14.547821	-168.143695	E7	12/4/2016	1:13	3/23/2017	8:40	8:40	33.8	1/23/2017 7:00	50.2
TIDBIT	10909830	1/18/2017	33.0	American Samoa	Rose Island	-14.547821	-168.143695	E7	12/4/2016	1:13	3/23/2017	8:40	8:40	33.8	1/23/2017 7:00	50.2
TIDBIT	10909830	1/19/2017	33.0	American Samoa	Rose Island	-14.547821	-168.143695	E7	12/4/2016	1:13	3/23/2017	8:40	8:40	33.8	1/23/2017 7:00	50.2
TIDBIT	10909830	1/20/2017	33.0	American Samoa	Rose Island	-14.547821	-168.143695	E7	12/4/2016	1:13	3/23/2017	8:40	8:40	33.8	1/23/2017 7:00	50.2
TIDBIT	10909830	1/21/2017	33.1	American Samoa	Rose Island	-14.547821	-168.143695	E7	12/4/2016	1:13	3/23/2017	8:40	8:40	33.8	1/23/2017 7:00	50.2
TIDBIT	10909830	1/22/2017	33.4	American Samoa	Rose Island	-14.547821	-168.143695	E7	12/4/2016	1:13	3/23/2017	8:40	8:40	33.8	1/23/2017 7:00	50.2
TIDBIT	10909830	1/23/2017	33.8	American Samoa	Rose Island	-14.547821	-168.143695	E7	12/4/2016	1:13	3/23/2017	8:40	8:40	33.8	1/23/2017 7:00	50.2
TIDBIT	10909831	12/3/2016	29.1	American Samoa	Rose Island	-14.546453	-168.145284	A3	12/1/2016	23:53	3/23/2017	9:54	9:54	34.1	1/15/2017 15:00	44.6
TIDBIT	10909831	12/4/2016	29.4	American Samoa	Rose Island	-14.546453	-168.145284	A3	12/1/2016	23:53	3/23/2017	9:54	9:54	34.1	1/15/2017 15:00	44.6
TIDBIT	10909831	12/5/2016	29.7	American Samoa	Rose Island	-14.546453	-168.145284	A3	12/1/2016	23:53	3/23/2017	9:54	9:54	34.1	1/15/2017 15:00	44.6
TIDBIT	10909831	12/6/2016	29.6	American Samoa	Rose Island	-14.546453	-168.145284	A3	12/1/2016	23:53	3/23/2017	9:54	9:54	34.1	1/15/2017 15:00	44.6
TIDBIT	10909831	12/7/2016	29.6	American Samoa	Rose Island	-14.546453	-168.145284	A3	12/1/2016	23:53	3/23/2017	9:54	9:54	34.1	1/15/2017 15:00	44.6
TIDBIT	10909831	12/8/2016	29.6	American Samoa	Rose Island	-14.546453	-168.145284	A3	12/1/2016	23:53	3/23/2017	9:54	9:54	34.1	1/15/2017 15:00	44.6
TIDBIT	10909831	12/9/2016	29.7	American Samoa	Rose Island	-14.546453	-168.145284	A3	12/1/2016	23:53	3/23/2017	9:54	9:54	34.1	1/15/2017 15:00	44.6
TIDBIT	10909831	12/10/2016	29.7	American Samoa	Rose Island	-14.546453	-168.145284	A3	12/1/2016	23:53	3/23/2017	9:54	9:54	34.1	1/15/2017 15:00	44.6
TIDBIT	10909831	12/11/2016	29.7	American Samoa	Rose Island	-14.546453	-168.145284	A3	12/1/2016	23:53	3/23/2017	9:54	9:54	34.1	1/15/2017 15:00	44.6
TIDBIT	10909831	12/12/2016	29.7	American Samoa	Rose Island	-14.546453	-168.145284	A3	12/1/2016	23:53	3/23/2017	9:54	9:54	34.1	1/15/2017 15:00	44.6
TIDBIT	10909831	12/13/2016	29.5	American Samoa	Rose Island	-14.546453	-168.145284	A3	12/1/2016	23:53	3/23/2017	9:54	9:54	34.1	1/15/2017 15:00	44.6
TIDBIT	10909831	12/14/2016	29.3	American Samoa	Rose Island	-14.546453	-168.145284	A3	12/1/2016	23:53	3/23/2017	9:54	9:54	34.1	1/15/2017 15:00	44.6
TIDBIT	10909831	12/15/2016	29.2	American Samoa	Rose Island	-14.546453	-168.145284	A3	12/1/2016	23:53	3/23/2017	9:54	9:54	34.1	1/15/2017 15:00	44.6
TIDBIT	10909831	12/16/2016	29.2	American Samoa	Rose Island	-14.546453	-168.145284	A3	12/1/2016	23:53	3/23/2017	9:54	9:54	34.1	1/15/2017 15:00	44.6
TIDBIT	10909831	12/17/2016	29.4	American Samoa	Rose Island	-14.546453	-168.145284	A3	12/1/2016	23:53	3/23/2017	9:54	9:54	34.1	1/15/2017 15:00	44.6
TIDBIT	10909831	12/18/2016	29.5	American Samoa	Rose Island	-14.546453	-168.145284	A3	12/1/2016	23:53	3/23/2017	9:54	9:54	34.1	1/15/2017 15:00	44.6

Supplemental Table 6. Summary of daily average temperatures recorded by temperature data loggers (n=30, HOBO TidbiT) including the logger type, logger number, temperature daily average, region, island, latitutude and longitude of deployment, turtle mototool number, date and time deployed, date and time of excavation, retrieval time of logger, maximum temperature, date and time of maximum temperature, and days to maximum temperature.

TIDBIT	10909831	12/19/2016	29.6	American Samoa	Rose Island	-14.546453	-168.145284	A3	12/1/2016	23:53	3/23/2017	9:54	9:54	34.1	1/15/2017 15:00	44.6
TIDBIT	10909831	12/20/2016	29.7	American Samoa	Rose Island	-14.546453	-168.145284	A3	12/1/2016	23:53	3/23/2017	9:54	9:54	34.1	1/15/2017 15:00	44.6
TIDBIT	10909831	12/21/2016	29.7	American Samoa	Rose Island	-14.546453	-168.145284	A3	12/1/2016	23:53	3/23/2017	9:54	9:54	34.1	1/15/2017 15:00	44.6
TIDBIT	10909831	12/22/2016	29.6	American Samoa	Rose Island	-14.546453	-168.145284	A3	12/1/2016	23:53	3/23/2017	9:54	9:54	34.1	1/15/2017 15:00	44.6
TIDBIT	10909831	12/23/2016	29.2	American Samoa	Rose Island	-14.546453	-168.145284	A3	12/1/2016	23:53	3/23/2017	9:54	9:54	34.1	1/15/2017 15:00	44.6
TIDBIT	10909831	12/24/2016	28.9	American Samoa	Rose Island	-14.546453	-168.145284	A3	12/1/2016	23:53	3/23/2017	9:54	9:54	34.1	1/15/2017 15:00	44.6
TIDBIT	10909831	12/25/2016	28.8	American Samoa	Rose Island	-14.546453	-168.145284	A3	12/1/2016	23:53	3/23/2017	9:54	9:54	34.1	1/15/2017 15:00	44.6
TIDBIT	10909831	12/26/2016	28.9	American Samoa	Rose Island	-14.546453	-168.145284	A3	12/1/2016	23:53	3/23/2017	9:54	9:54	34.1	1/15/2017 15:00	44.6
TIDBIT	10909831	12/27/2016	29.2	American Samoa	Rose Island	-14.546453	-168.145284	A3	12/1/2016	23:53	3/23/2017	9:54	9:54	34.1	1/15/2017 15:00	44.6
TIDBIT	10909831	12/28/2016	29.5	American Samoa	Rose Island	-14.546453	-168.145284	A3	12/1/2016	23:53	3/23/2017	9:54	9:54	34.1	1/15/2017 15:00	44.6
TIDBIT	10909831	12/29/2016	29.4	American Samoa	Rose Island	-14.546453	-168.145284	A3	12/1/2016	23:53	3/23/2017	9:54	9:54	34.1	1/15/2017 15:00	44.6
TIDBIT	10909831	12/30/2016	29.4	American Samoa	Rose Island	-14.546453	-168.145284	A3	12/1/2016	23:53	3/23/2017	9:54	9:54	34.1	1/15/2017 15:00	44.6
TIDBIT	10909831	12/31/2016	29.5	American Samoa	Rose Island	-14.546453	-168.145284	A3	12/1/2016	23:53	3/23/2017	9:54	9:54	34.1	1/15/2017 15:00	44.6
TIDBIT	10909831	1/1/2017	29.8	American Samoa	Rose Island	-14.546453	-168.145284	A3	12/1/2016	23:53	3/23/2017	9:54	9:54	34.1	1/15/2017 15:00	44.6
TIDBIT	10909831	1/2/2017	30.0	American Samoa	Rose Island	-14.546453	-168.145284	A3	12/1/2016	23:53	3/23/2017	9:54	9:54	34.1	1/15/2017 15:00	44.6
TIDBIT	10909831	1/3/2017	30.1	American Samoa	Rose Island	-14.546453	-168.145284	A3	12/1/2016	23:53	3/23/2017	9:54	9:54	34.1	1/15/2017 15:00	44.6
TIDBIT	10909831	1/4/2017	30.3	American Samoa	Rose Island	-14.546453	-168.145284	A3	12/1/2016	23:53	3/23/2017	9:54	9:54	34.1	1/15/2017 15:00	44.6
TIDBIT	10909831	1/5/2017	30.6	American Samoa	Rose Island	-14.546453	-168.145284	A3	12/1/2016	23:53	3/23/2017	9:54	9:54	34.1	1/15/2017 15:00	44.6
TIDBIT	10909831	1/6/2017	31.0	American Samoa	Rose Island	-14.546453	-168.145284	A3	12/1/2016	23:53	3/23/2017	9:54	9:54	34.1	1/15/2017 15:00	44.6
TIDBIT	10909831	1/7/2017	31.5	American Samoa	Rose Island	-14.546453	-168.145284	A3	12/1/2016	23:53	3/23/2017	9:54	9:54	34.1	1/15/2017 15:00	44.6
TIDBIT	10909831	1/8/2017	31.9	American Samoa	Rose Island	-14.546453	-168.145284	A3	12/1/2016	23:53	3/23/2017	9:54	9:54	34.1	1/15/2017 15:00	44.6
TIDBIT	10909831	1/9/2017	32.1	American Samoa	Rose Island	-14.546453	-168.145284	A3	12/1/2016	23:53	3/23/2017	9:54	9:54	34.1	1/15/2017 15:00	44.6
TIDBIT	10909831	1/10/2017	32.4	American Samoa	Rose Island	-14.546453	-168.145284	A3	12/1/2016	23:53	3/23/2017	9:54	9:54	34.1	1/15/2017 15:00	44.6
TIDBIT	10909831	1/11/2017	32.8	American Samoa	Rose Island	-14.546453	-168.145284	A3	12/1/2016	23:53	3/23/2017	9:54	9:54	34.1	1/15/2017 15:00	44.6
TIDBIT	10909831	1/12/2017	33.2	American Samoa	Rose Island	-14.546453	-168.145284	A3	12/1/2016	23:53	3/23/2017	9:54	9:54	34.1	1/15/2017 15:00	44.6
TIDBIT	10909831	1/13/2017	33.5	American Samoa	Rose Island	-14.546453	-168.145284	A3	12/1/2016	23:53	3/23/2017	9:54	9:54	34.1	1/15/2017 15:00	44.6
TIDBIT	10909831	1/14/2017	33.7	American Samoa	Rose Island	-14.546453	-168.145284	A3	12/1/2016	23:53	3/23/2017	9:54	9:54	34.1	1/15/2017 15:00	44.6
TIDBIT	10909831	1/15/2017	33.9	American Samoa	Rose Island	-14.546453	-168.145284	A3	12/1/2016	23:53	3/23/2017	9:54	9:54	34.1	1/15/2017 15:00	44.6
TIDBIT	10909833	12/3/2016	29.4	American Samoa	Rose Island	-14.546554	-168.145308	B5	12/1/2016	23:51	3/23/2017	10:06	10:06	34.2	1/20/2017 18:00	49.8
TIDBIT	10909833	12/4/2016	29.8	American Samoa	Rose Island	-14.546554	-168.145308	B5	12/1/2016	23:51	3/23/2017	10:06	10:06	34.2	1/20/2017 18:00	49.8
TIDBIT	10909833	12/5/2016	29.9	American Samoa	Rose Island	-14.546554	-168.145308	B5	12/1/2016	23:51	3/23/2017	10:06	10:06	34.2	1/20/2017 18:00	49.8
TIDBIT	10909833	12/6/2016	29.5	American Samoa	Rose Island	-14.546554	-168.145308	B5	12/1/2016	23:51	3/23/2017	10:06	10:06	34.2	1/20/2017 18:00	49.8
TIDBIT	10909833	12/7/2016	29.5	American Samoa	Rose Island	-14.546554	-168.145308	B5	12/1/2016	23:51	3/23/2017	10:06	10:06	34.2	1/20/2017 18:00	49.8
TIDBIT	10909833	12/8/2016	29.7	American Samoa	Rose Island	-14.546554	-168.145308	B5	12/1/2016	23:51	3/23/2017	10:06	10:06	34.2	1/20/2017 18:00	49.8
TIDBIT	10909833	12/9/2016	29.8	American Samoa	Rose Island	-14.546554	-168.145308	B5	12/1/2016	23:51	3/23/2017	10:06	10:06	34.2	1/20/2017 18:00	49.8
TIDBIT	10909833	12/10/2016	29.9	American Samoa	Rose Island	-14.546554	-168.145308	B5	12/1/2016	23:51	3/23/2017	10:06	10:06	34.2	1/20/2017 18:00	49.8
TIDBIT	10909833	12/11/2016	30.0	American Samoa	Rose Island	-14.546554	-168.145308	B5	12/1/2016	23:51	3/23/2017	10:06	10:06	34.2	1/20/2017 18:00	49.8
TIDBIT	10909833	12/12/2016	30.0	American Samoa	Rose Island	-14.546554	-168.145308	B5	12/1/2016	23:51	3/23/2017	10:06	10:06	34.2	1/20/2017 18:00	49.8
TIDBIT	10909833	12/13/2016	29.5	American Samoa	Rose Island	-14.546554	-168.145308	B5	12/1/2016	23:51	3/23/2017	10:06	10:06	34.2	1/20/2017 18:00	49.8
TIDBIT	10909833	12/14/2016	29.4	American Samoa	Rose Island	-14.546554	-168.145308	B5	12/1/2016	23:51	3/23/2017	10:06	10:06	34.2	1/20/2017 18:00	49.8
TIDBIT	10909833	12/15/2016	29.3	American Samoa	Rose Island	-14.546554	-168.145308	B5	12/1/2016	23:51	3/23/2017	10:06	10:06	34.2	1/20/2017 18:00	49.8
TIDBIT	10909833	12/16/2016	29.4	American Samoa	Rose Island	-14.546554	-168.145308	B5	12/1/2016	23:51	3/23/2017	10:06	10:06	34.2	1/20/2017 18:00	49.8
TIDBIT	10909833	12/17/2016	29.6	American Samoa	Rose Island	-14.546554	-168.145308	B5	12/1/2016	23:51	3/23/2017	10:06	10:06	34.2	1/20/2017 18:00	49.8
TIDBIT	10909833	12/18/2016	29.6	American Samoa	Rose Island	-14.546554	-168.145308	B5	12/1/2016	23:51	3/23/2017	10:06	10:06	34.2	1/20/2017 18:00	49.8
TIDBIT	10909833	12/19/2016	29.6	American Samoa	Rose Island	-14.546554	-168.145308	B5	12/1/2016	23:51	3/23/2017	10:06	10:06	34.2	1/20/2017 18:00	49.8
TIDBIT	10909833	12/20/2016	29.7	American Samoa	Rose Island	-14.546554	-168.145308	B5	12/1/2016	23:51	3/23/2017	10:06	10:06	34.2	1/20/2017 18:00	49.8
TIDBIT	10909833	12/21/2016	29.5	American Samoa	Rose Island	-14.546554	-168.145308	B5	12/1/2016	23:51	3/23/2017	10:06	10:06	34.2	1/20/2017 18:00	49.8
TIDBIT	10909833	12/22/2016	29.4	American Samoa	Rose Island	-14.546554	-168.145308	B5	12/1/2016	23:51	3/23/2017	10:06	10:06	34.2	1/20/2017 18:00	49.8
TIDBIT	10909833	12/23/2016	29.0	American Samoa	Rose Island	-14.546554	-168.145308	B5	12/1/2016	23:51	3/23/2017	10:06	10:06	34.2	1/20/2017 18:00	49.8
TIDBIT	10909833	12/24/2016	28.8	American Samoa	Rose Island	-14.546554	-168.145308	B5	12/1/2016	23:51	3/23/2017	10:06	10:06	34.2	1/20/2017 18:00	49.8
TIDBIT	10909833	12/25/2016	28.6	American Samoa	Rose Island	-14.546554	-168.145308	B5	12/1/2016	23:51	3/23/2017	10:06	10:06	34.2	1/20/2017 18:00	49.8
TIDBIT	10909833	12/26/2016	28.8	American Samoa	Rose Island	-14.546554	-168.145308	B5	12/1/2016	23:51	3/23/2017	10:06	10:06	34.2	1/20/2017 18:00	49.8
TIDBIT	10909833	12/27/2016	29.1	American Samoa	Rose Island	-14.546554	-168.145308	B5	12/1/2016	23:51	3/23/2017	10:06	10:06	34.2	1/20/2017 18:00	49.8
TIDBIT	10909833	12/28/2016	29.3	American Samoa	Rose Island	-14.546554	-168.145308	B5	12/1/2016	23:51	3/23/2017	10:06	10:06	34.2	1/20/2017 18:00	49.8
TIDBIT	10909833	12/29/2016	29.0	American Samoa	Rose Island	-14.546554	-168.145308	B5	12/1/2016	23:51	3/23/2017	10:06	10:06	34.2	1/20/2017 18:00	49.8

Supplemental Table 6. Summary of daily average temperatures recorded by temperature data loggers (n=30, HOBO TidbiT) including the logger type, logger number, temperature daily average, region, island, latitutde and longitude of deployment, turtle mototool number, date and time deployed, date and time of excavation, retrieval time of logger, maximum temperature, date and time of maximum temperature, and days to maximum temperature.

TIDBIT	10909833	12/30/2016	28.9	American Samoa	Rose Island	-14.546554	-168.145308	B5	12/1/2016	23:51	3/23/2017	10:06	10:06	34.2	1/20/2017 18:00	49.8
TIDBIT	10909833	12/31/2016	29.2	American Samoa	Rose Island	-14.546554	-168.145308	B5	12/1/2016	23:51	3/23/2017	10:06	10:06	34.2	1/20/2017 18:00	49.8
TIDBIT	10909833	1/1/2017	29.5	American Samoa	Rose Island	-14.546554	-168.145308	B5	12/1/2016	23:51	3/23/2017	10:06	10:06	34.2	1/20/2017 18:00	49.8
TIDBIT	10909833	1/2/2017	29.6	American Samoa	Rose Island	-14.546554	-168.145308	B5	12/1/2016	23:51	3/23/2017	10:06	10:06	34.2	1/20/2017 18:00	49.8
TIDBIT	10909833	1/3/2017	29.8	American Samoa	Rose Island	-14.546554	-168.145308	B5	12/1/2016	23:51	3/23/2017	10:06	10:06	34.2	1/20/2017 18:00	49.8
TIDBIT	10909833	1/4/2017	30.0	American Samoa	Rose Island	-14.546554	-168.145308	B5	12/1/2016	23:51	3/23/2017	10:06	10:06	34.2	1/20/2017 18:00	49.8
TIDBIT	10909833	1/5/2017	30.4	American Samoa	Rose Island	-14.546554	-168.145308	B5	12/1/2016	23:51	3/23/2017	10:06	10:06	34.2	1/20/2017 18:00	49.8
TIDBIT	10909833	1/6/2017	30.8	American Samoa	Rose Island	-14.546554	-168.145308	B5	12/1/2016	23:51	3/23/2017	10:06	10:06	34.2	1/20/2017 18:00	49.8
TIDBIT	10909833	1/7/2017	31.1	American Samoa	Rose Island	-14.546554	-168.145308	B5	12/1/2016	23:51	3/23/2017	10:06	10:06	34.2	1/20/2017 18:00	49.8
TIDBIT	10909833	1/8/2017	31.4	American Samoa	Rose Island	-14.546554	-168.145308	B5	12/1/2016	23:51	3/23/2017	10:06	10:06	34.2	1/20/2017 18:00	49.8
TIDBIT	10909833	1/9/2017	31.5	American Samoa	Rose Island	-14.546554	-168.145308	B5	12/1/2016	23:51	3/23/2017	10:06	10:06	34.2	1/20/2017 18:00	49.8
TIDBIT	10909833	1/10/2017	31.8	American Samoa	Rose Island	-14.546554	-168.145308	B5	12/1/2016	23:51	3/23/2017	10:06	10:06	34.2	1/20/2017 18:00	49.8
TIDBIT	10909833	1/11/2017	32.1	American Samoa	Rose Island	-14.546554	-168.145308	B5	12/1/2016	23:51	3/23/2017	10:06	10:06	34.2	1/20/2017 18:00	49.8
TIDBIT	10909833	1/12/2017	32.3	American Samoa	Rose Island	-14.546554	-168.145308	B5	12/1/2016	23:51	3/23/2017	10:06	10:06	34.2	1/20/2017 18:00	49.8
TIDBIT	10909833	1/13/2017	32.5	American Samoa	Rose Island	-14.546554	-168.145308	B5	12/1/2016	23:51	3/23/2017	10:06	10:06	34.2	1/20/2017 18:00	49.8
TIDBIT	10909833	1/14/2017	32.5	American Samoa	Rose Island	-14.546554	-168.145308	B5	12/1/2016	23:51	3/23/2017	10:06	10:06	34.2	1/20/2017 18:00	49.8
TIDBIT	10909833	1/15/2017	32.6	American Samoa	Rose Island	-14.546554	-168.145308	B5	12/1/2016	23:51	3/23/2017	10:06	10:06	34.2	1/20/2017 18:00	49.8
TIDBIT	10909833	1/16/2017	32.0	American Samoa	Rose Island	-14.546554	-168.145308	B5	12/1/2016	23:51	3/23/2017	10:06	10:06	34.2	1/20/2017 18:00	49.8
TIDBIT	10909833	1/17/2017	31.9	American Samoa	Rose Island	-14.546554	-168.145308	B5	12/1/2016	23:51	3/23/2017	10:06	10:06	34.2	1/20/2017 18:00	49.8
TIDBIT	10909833	1/18/2017	31.9	American Samoa	Rose Island	-14.546554	-168.145308	B5	12/1/2016	23:51	3/23/2017	10:06	10:06	34.2	1/20/2017 18:00	49.8
TIDBIT	10909833	1/19/2017	31.9	American Samoa	Rose Island	-14.546554	-168.145308	B5	12/1/2016	23:51	3/23/2017	10:06	10:06	34.2	1/20/2017 18:00	49.8
TIDBIT	10909833	1/20/2017	33.8	American Samoa	Rose Island	-14.546554	-168.145308	B5	12/1/2016	23:51	3/23/2017	10:06	10:06	34.2	1/20/2017 18:00	49.8
TIDBIT	10909834	12/5/2016	29.4	American Samoa	Rose Island	-14.546809	-168.143715	E3	12/4/2016	20:20	3/23/2017	0	17:25	33.1	1/24/2017 8:00	50.5
TIDBIT	10909834	12/6/2016	29.3	American Samoa	Rose Island	-14.546809	-168.143715	E3	12/4/2016	20:20	3/23/2017	0	17:25	33.1	1/24/2017 8:00	50.5
TIDBIT	10909834	12/7/2016	29.2	American Samoa	Rose Island	-14.546809	-168.143715	E3	12/4/2016	20:20	3/23/2017	0	17:25	33.1	1/24/2017 8:00	50.5
TIDBIT	10909834	12/8/2016	29.2	American Samoa	Rose Island	-14.546809	-168.143715	E3	12/4/2016	20:20	3/23/2017		17:25	33.1	1/24/2017 8:00	50.5
TIDBIT	10909834	12/9/2016	29.2	American Samoa	Rose Island	-14.546809	-168.143715	E3	12/4/2016	20:20	3/23/2017		17:25	33.1	1/24/2017 8:00	50.5
TIDBIT	10909834	12/10/2016	29.3	American Samoa	Rose Island	-14.546809	-168.143715	E3	12/4/2016	20:20	3/23/2017		17:25	33.1	1/24/2017 8:00	50.5
TIDBIT	10909834	12/11/2016	29.3	American Samoa	Rose Island	-14.546809	-168.143715	E3	12/4/2016	20:20	3/23/2017		17:25	33.1	1/24/2017 8:00	50.5
TIDBIT	10909834	12/12/2016	29.4	American Samoa	Rose Island	-14.546809	-168.143715	E3	12/4/2016	20:20	3/23/2017		17:25	33.1	1/24/2017 8:00	50.5
TIDBIT	10909834	12/13/2016	29.2	American Samoa	Rose Island	-14.546809	-168.143715	E3	12/4/2016	20:20	3/23/2017		17:25	33.1	1/24/2017 8:00	50.5
TIDBIT	10909834	12/14/2016	29.0	American Samoa	Rose Island	-14.546809	-168.143715	E3	12/4/2016	20:20	3/23/2017		17:25	33.1	1/24/2017 8:00	50.5
TIDBIT	10909834	12/15/2016	28.9	American Samoa	Rose Island	-14.546809	-168.143715	E3	12/4/2016	20:20	3/23/2017		17:25	33.1	1/24/2017 8:00	50.5
TIDBIT	10909834	12/16/2016	29.0	American Samoa	Rose Island	-14.546809	-168.143715	E3	12/4/2016	20:20	3/23/2017		17:25	33.1	1/24/2017 8:00	50.5
TIDBIT	10909834	12/17/2016	29.1	American Samoa	Rose Island	-14.546809	-168.143715	E3	12/4/2016	20:20	3/23/2017		17:25	33.1	1/24/2017 8:00	50.5
TIDBIT	10909834	12/18/2016	29.1	American Samoa	Rose Island	-14.546809	-168.143715	E3	12/4/2016	20:20	3/23/2017		17:25	33.1	1/24/2017 8:00	50.5
TIDBIT	10909834	12/19/2016	29.1	American Samoa	Rose Island	-14.546809	-168.143715	E3	12/4/2016	20:20	3/23/2017		17:25	33.1	1/24/2017 8:00	50.5
TIDBIT	10909834	12/20/2016	29.2	American Samoa	Rose Island	-14.546809	-168.143715	E3	12/4/2016	20:20	3/23/2017		17:25	33.1	1/24/2017 8:00	50.5
TIDBIT	10909834	12/21/2016	29.2	American Samoa	Rose Island	-14.546809	-168.143715	E3	12/4/2016	20:20	3/23/2017		17:25	33.1	1/24/2017 8:00	50.5
TIDBIT	10909834	12/22/2016	29.0	American Samoa	Rose Island	-14.546809	-168.143715	E3	12/4/2016	20:20	3/23/2017		17:25	33.1	1/24/2017 8:00	50.5
TIDBIT	10909834	12/23/2016	28.4	American Samoa	Rose Island	-14.546809	-168.143715	E3	12/4/2016	20:20	3/23/2017		17:25	33.1	1/24/2017 8:00	50.5
TIDBIT	10909834	12/24/2016	28.3	American Samoa	Rose Island	-14.546809	-168.143715	E3	12/4/2016	20:20	3/23/2017		17:25	33.1	1/24/2017 8:00	50.5
TIDBIT	10909834	12/25/2016	28.3	American Samoa	Rose Island	-14.546809	-168.143715	E3	12/4/2016	20:20	3/23/2017		17:25	33.1	1/24/2017 8:00	50.5
TIDBIT	10909834	12/26/2016	28.4	American Samoa	Rose Island	-14.546809	-168.143715	E3	12/4/2016	20:20	3/23/2017		17:25	33.1	1/24/2017 8:00	50.5
TIDBIT	10909834	12/27/2016	28.6	American Samoa	Rose Island	-14.546809	-168.143715	E3	12/4/2016	20:20	3/23/2017		17:25	33.1	1/24/2017 8:00	50.5
TIDBIT	10909834	12/28/2016	28.8	American Samoa	Rose Island	-14.546809	-168.143715	E3	12/4/2016	20:20	3/23/2017		17:25	33.1	1/24/2017 8:00	50.5
TIDBIT	10909834	12/29/2016	28.6	American Samoa	Rose Island	-14.546809	-168.143715	E3	12/4/2016	20:20	3/23/2017		17:25	33.1	1/24/2017 8:00	50.5
TIDBIT	10909834	12/30/2016	28.6	American Samoa	Rose Island	-14.546809	-168.143715	E3	12/4/2016	20:20	3/23/2017		17:25	33.1	1/24/2017 8:00	50.5
TIDBIT	10909834	12/31/2016	28.7	American Samoa	Rose Island	-14.546809	-168.143715	E3	12/4/2016	20:20	3/23/2017		17:25	33.1	1/24/2017 8:00	50.5
TIDBIT	10909834	1/1/2017	28.9	American Samoa	Rose Island	-14.546809	-168.143715	E3	12/4/2016	20:20	3/23/2017		17:25	33.1	1/24/2017 8:00	50.5
TIDBIT	10909834	1/2/2017	29.0	American Samoa	Rose Island	-14.546809	-168.143715	E3	12/4/2016	20:20	3/23/2017		17:25	33.1	1/24/2017 8:00	50.5
TIDBIT	10909834	1/3/2017	29.1	American Samoa	Rose Island	-14.546809	-168.143715	E3	12/4/2016	20:20	3/23/2017		17:25	33.1	1/24/2017 8:00	50.5
TIDBIT	10909834	1/4/2017	29.1	American Samoa	Rose Island	-14.546809	-168.143715	E3	12/4/2016	20:20	3/23/2017		17:25	33.1	1/24/2017 8:00	50.5
TIDBIT	10909834	1/5/2017	29.3	American Samoa	Rose Island	-14.546809	-168.143715	E3	12/4/2016	20:20	3/23/2017		17:25	33.1	1/24/2017 8:00	50.5
TIDBIT	10909834	1/6/2017	29.5	American Samoa	Rose Island	-14.546809	-168.143715	E3	12/4/2016	20:20	3/23/2017		17:25	33.1	1/24/2017 8:00	50.5

Supplemental Table 6. Summary of daily average temperatures recorded by temperature data loggers (n=30, HOBO TidbiT) including the logger type, logger number, temperature daily average, region, island, latitutude and longitude of deployment, turtle mototool number, date and time deployed, date and time of excavation, retrieval time of logger, maximum temperature, date and time of maximum temperature, and days to maximum temperature.

TIDBIT	10909834	1/7/2017	29.8	American Samoa	Rose Island	-14.546809	-168.143715	E3	12/4/2016	20:20	3/23/2017		17:25	33.1	1/24/2017 8:00	50.5
TIDBIT	10909834	1/8/2017	30.1	American Samoa	Rose Island	-14.546809	-168.143715	E3	12/4/2016	20:20	3/23/2017		17:25	33.1	1/24/2017 8:00	50.5
TIDBIT	10909834	1/9/2017	30.2	American Samoa	Rose Island	-14.546809	-168.143715	E3	12/4/2016	20:20	3/23/2017		17:25	33.1	1/24/2017 8:00	50.5
TIDBIT	10909834	1/10/2017	30.4	American Samoa	Rose Island	-14.546809	-168.143715	E3	12/4/2016	20:20	3/23/2017		17:25	33.1	1/24/2017 8:00	50.5
TIDBIT	10909834	1/11/2017	30.7	American Samoa	Rose Island	-14.546809	-168.143715	E3	12/4/2016	20:20	3/23/2017		17:25	33.1	1/24/2017 8:00	50.5
TIDBIT	10909834	1/12/2017	31.0	American Samoa	Rose Island	-14.546809	-168.143715	E3	12/4/2016	20:20	3/23/2017		17:25	33.1	1/24/2017 8:00	50.5
TIDBIT	10909834	1/13/2017	31.4	American Samoa	Rose Island	-14.546809	-168.143715	E3	12/4/2016	20:20	3/23/2017		17:25	33.1	1/24/2017 8:00	50.5
TIDBIT	10909834	1/14/2017	31.6	American Samoa	Rose Island	-14.546809	-168.143715	E3	12/4/2016	20:20	3/23/2017		17:25	33.1	1/24/2017 8:00	50.5
TIDBIT	10909834	1/15/2017	31.9	American Samoa	Rose Island	-14.546809	-168.143715	E3	12/4/2016	20:20	3/23/2017		17:25	33.1	1/24/2017 8:00	50.5
TIDBIT	10909834	1/16/2017	31.5	American Samoa	Rose Island	-14.546809	-168.143715	E3	12/4/2016	20:20	3/23/2017		17:25	33.1	1/24/2017 8:00	50.5
TIDBIT	10909834	1/17/2017	31.4	American Samoa	Rose Island	-14.546809	-168.143715	E3	12/4/2016	20:20	3/23/2017		17:25	33.1	1/24/2017 8:00	50.5
TIDBIT	10909834	1/18/2017	31.5	American Samoa	Rose Island	-14.546809	-168.143715	E3	12/4/2016	20:20	3/23/2017		17:25	33.1	1/24/2017 8:00	50.5
TIDBIT	10909834	1/19/2017	31.7	American Samoa	Rose Island	-14.546809	-168.143715	E3	12/4/2016	20:20	3/23/2017		17:25	33.1	1/24/2017 8:00	50.5
TIDBIT	10909834	1/20/2017	32.0	American Samoa	Rose Island	-14.546809	-168.143715	E3	12/4/2016	20:20	3/23/2017		17:25	33.1	1/24/2017 8:00	50.5
TIDBIT	10909834	1/21/2017	32.3	American Samoa	Rose Island	-14.546809	-168.143715	E3	12/4/2016	20:20	3/23/2017		17:25	33.1	1/24/2017 8:00	50.5
TIDBIT	10909834	1/22/2017	32.7	American Samoa	Rose Island	-14.546809	-168.143715	E3	12/4/2016	20:20	3/23/2017		17:25	33.1	1/24/2017 8:00	50.5
TIDBIT	10909834	1/23/2017	33.0	American Samoa	Rose Island	-14.546809	-168.143715	E3	12/4/2016	20:20	3/23/2017		17:25	33.1	1/24/2017 8:00	50.5
TIDBIT	10909834	1/24/2017	33.1	American Samoa	Rose Island	-14.546809	-168.143715	E3	12/4/2016	20:20	3/23/2017		17:25	33.1	1/24/2017 8:00	50.5
TIDBIT	10909839	12/3/2016	29.3	American Samoa	Rose Island	-14.547379	-168.143408	A1	12/2/2016	22:00	3/23/2017	9:22	9:22	33.1	1/24/2017 0:00	52.1
TIDBIT	10909839	12/4/2016	29.4	American Samoa	Rose Island	-14.547379	-168.143408	A1	12/2/2016	22:00	3/23/2017	9:22	9:22	33.1	1/24/2017 0:00	52.1
TIDBIT	10909839	12/5/2016	29.4	American Samoa	Rose Island	-14.547379	-168.143408	A1	12/2/2016	22:00	3/23/2017	9:22	9:22	33.1	1/24/2017 0:00	52.1
TIDBIT	10909839	12/6/2016	29.3	American Samoa	Rose Island	-14.547379	-168.143408	A1	12/2/2016	22:00	3/23/2017	9:22	9:22	33.1	1/24/2017 0:00	52.1
TIDBIT	10909839	12/7/2016	29.2	American Samoa	Rose Island	-14.547379	-168.143408	A1	12/2/2016	22:00	3/23/2017	9:22	9:22	33.1	1/24/2017 0:00	52.1
TIDBIT	10909839	12/8/2016	29.2	American Samoa	Rose Island	-14.547379	-168.143408	A1	12/2/2016	22:00	3/23/2017	9:22	9:22	33.1	1/24/2017 0:00	52.1
TIDBIT	10909839	12/9/2016	29.3	American Samoa	Rose Island	-14.547379	-168.143408	A1	12/2/2016	22:00	3/23/2017	9:22	9:22	33.1	1/24/2017 0:00	52.1
TIDBIT	10909839	12/10/2016	29.4	American Samoa	Rose Island	-14.547379	-168.143408	A1	12/2/2016	22:00	3/23/2017	9:22	9:22	33.1	1/24/2017 0:00	52.1
TIDBIT	10909839	12/11/2016	29.5	American Samoa	Rose Island	-14.547379	-168.143408	A1	12/2/2016	22:00	3/23/2017	9:22	9:22	33.1	1/24/2017 0:00	52.1
TIDBIT	10909839	12/12/2016	29.5	American Samoa	Rose Island	-14.547379	-168.143408	A1	12/2/2016	22:00	3/23/2017	9:22	9:22	33.1	1/24/2017 0:00	52.1
TIDBIT	10909839	12/13/2016	29.4	American Samoa	Rose Island	-14.547379	-168.143408	A1	12/2/2016	22:00	3/23/2017	9:22	9:22	33.1	1/24/2017 0:00	52.1
TIDBIT	10909839	12/14/2016	29.2	American Samoa	Rose Island	-14.547379	-168.143408	A1	12/2/2016	22:00	3/23/2017	9:22	9:22	33.1	1/24/2017 0:00	52.1
TIDBIT	10909839	12/15/2016	29.1	American Samoa	Rose Island	-14.547379	-168.143408	A1	12/2/2016	22:00	3/23/2017	9:22	9:22	33.1	1/24/2017 0:00	52.1
TIDBIT	10909839	12/16/2016	29.1	American Samoa	Rose Island	-14.547379	-168.143408	A1	12/2/2016	22:00	3/23/2017	9:22	9:22	33.1	1/24/2017 0:00	52.1
TIDBIT	10909839	12/17/2016	29.2	American Samoa	Rose Island	-14.547379	-168.143408	A1	12/2/2016	22:00	3/23/2017	9:22	9:22	33.1	1/24/2017 0:00	52.1
TIDBIT	10909839	12/18/2016	29.2	American Samoa	Rose Island	-14.547379	-168.143408	A1	12/2/2016	22:00	3/23/2017	9:22	9:22	33.1	1/24/2017 0:00	52.1
TIDBIT	10909839	12/19/2016	29.2	American Samoa	Rose Island	-14.547379	-168.143408	A1	12/2/2016	22:00	3/23/2017	9:22	9:22	33.1	1/24/2017 0:00	52.1
TIDBIT	10909839	12/20/2016	29.3	American Samoa	Rose Island	-14.547379	-168.143408	A1	12/2/2016	22:00	3/23/2017	9:22	9:22	33.1	1/24/2017 0:00	52.1
TIDBIT	10909839	12/21/2016	29.2	American Samoa	Rose Island	-14.547379	-168.143408	A1	12/2/2016	22:00	3/23/2017	9:22	9:22	33.1	1/24/2017 0:00	52.1
TIDBIT	10909839	12/22/2016	29.2	American Samoa	Rose Island	-14.547379	-168.143408	A1	12/2/2016	22:00	3/23/2017	9:22	9:22	33.1	1/24/2017 0:00	52.1
TIDBIT	10909839	12/23/2016	28.9	American Samoa	Rose Island	-14.547379	-168.143408	A1	12/2/2016	22:00	3/23/2017	9:22	9:22	33.1	1/24/2017 0:00	52.1
TIDBIT	10909839	12/24/2016	28.7	American Samoa	Rose Island	-14.547379	-168.143408	A1	12/2/2016	22:00	3/23/2017	9:22	9:22	33.1	1/24/2017 0:00	52.1
TIDBIT	10909839	12/25/2016	28.5	American Samoa	Rose Island	-14.547379	-168.143408	A1	12/2/2016	22:00	3/23/2017	9:22	9:22	33.1	1/24/2017 0:00	52.1
TIDBIT	10909839	12/26/2016	28.5	American Samoa	Rose Island	-14.547379	-168.143408	A1	12/2/2016	22:00	3/23/2017	9:22	9:22	33.1	1/24/2017 0:00	52.1
TIDBIT	10909839	12/27/2016	28.7	American Samoa	Rose Island	-14.547379	-168.143408	A1	12/2/2016	22:00	3/23/2017	9:22	9:22	33.1	1/24/2017 0:00	52.1
TIDBIT	10909839	12/28/2016	28.8	American Samoa	Rose Island	-14.547379	-168.143408	A1	12/2/2016	22:00	3/23/2017	9:22	9:22	33.1	1/24/2017 0:00	52.1
TIDBIT	10909839	12/29/2016	28.8	American Samoa	Rose Island	-14.547379	-168.143408	A1	12/2/2016	22:00	3/23/2017	9:22	9:22	33.1	1/24/2017 0:00	52.1
TIDBIT	10909839	12/30/2016	28.7	American Samoa	Rose Island	-14.547379	-168.143408	A1	12/2/2016	22:00	3/23/2017	9:22	9:22	33.1	1/24/2017 0:00	52.1
TIDBIT	10909839	12/31/2016	28.8	American Samoa	Rose Island	-14.547379	-168.143408	A1	12/2/2016	22:00	3/23/2017	9:22	9:22	33.1	1/24/2017 0:00	52.1
TIDBIT	10909839	1/1/2017	29.0	American Samoa	Rose Island	-14.547379	-168.143408	A1	12/2/2016	22:00	3/23/2017	9:22	9:22	33.1	1/24/2017 0:00	52.1
TIDBIT	10909839	1/2/2017	29.1	American Samoa	Rose Island	-14.547379	-168.143408	A1	12/2/2016	22:00	3/23/2017	9:22	9:22	33.1	1/24/2017 0:00	52.1
TIDBIT	10909839	1/3/2017	29.3	American Samoa	Rose Island	-14.547379	-168.143408	A1	12/2/2016	22:00	3/23/2017	9:22	9:22	33.1	1/24/2017 0:00	52.1
TIDBIT	10909839	1/4/2017	29.4	American Samoa	Rose Island	-14.547379	-168.143408	A1	12/2/2016	22:00	3/23/2017	9:22	9:22	33.1	1/24/2017 0:00	52.1
TIDBIT	10909839	1/5/2017	29.6	American Samoa	Rose Island	-14.547379	-168.143408	A1	12/2/2016	22:00	3/23/2017	9:22	9:22	33.1	1/24/2017 0:00	52.1
TIDBIT	10909839	1/6/2017	29.9	American Samoa	Rose Island	-14.547379	-168.143408	A1	12/2/2016	22:00	3/23/2017	9:22	9:22	33.1	1/24/2017 0:00	52.1
TIDBIT	10909839	1/7/2017	30.2	American Samoa	Rose Island	-14.547379	-168.143408	A1	12/2/2016	22:00	3/23/2017	9:22	9:22	33.1	1/24/2017 0:00	52.1
TIDBIT	10909839	1/8/2017	30.5	American Samoa	Rose Island	-14.547379	-168.143408	A1	12/2/2016	22:00	3/23/2017	9:22	9:22	33.1	1/24/2017 0:00	52.1

Supplemental Table 6. Summary of daily average temperatures recorded by temperature data loggers (n=30, HOBO TidbiT) including the logger type, logger number, temperature daily average, region, island, latitutde and longitude of deployment, turtle mototool number, date and time deployed, date and time of excavation, retrieval time of logger, maximum temperature, date and time of maximum temperature, and days to maximum temperature.

TIDBIT	10909839	1/9/2017	30.8	American Samoa	Rose Island	-14.547379	-168.143408	A1	12/2/2016	22:00	3/23/2017	9:22	9:22	33.1	1/24/2017 0:00	52.1
TIDBIT	10909839	1/10/2017	31.0	American Samoa	Rose Island	-14.547379	-168.143408	A1	12/2/2016	22:00	3/23/2017	9:22	9:22	33.1	1/24/2017 0:00	52.1
TIDBIT	10909839	1/11/2017	31.3	American Samoa	Rose Island	-14.547379	-168.143408	A1	12/2/2016	22:00	3/23/2017	9:22	9:22	33.1	1/24/2017 0:00	52.1
TIDBIT	10909839	1/12/2017	31.5	American Samoa	Rose Island	-14.547379	-168.143408	A1	12/2/2016	22:00	3/23/2017	9:22	9:22	33.1	1/24/2017 0:00	52.1
TIDBIT	10909839	1/13/2017	31.8	American Samoa	Rose Island	-14.547379	-168.143408	A1	12/2/2016	22:00	3/23/2017	9:22	9:22	33.1	1/24/2017 0:00	52.1
TIDBIT	10909839	1/14/2017	31.9	American Samoa	Rose Island	-14.547379	-168.143408	A1	12/2/2016	22:00	3/23/2017	9:22	9:22	33.1	1/24/2017 0:00	52.1
TIDBIT	10909839	1/15/2017	32.1	American Samoa	Rose Island	-14.547379	-168.143408	A1	12/2/2016	22:00	3/23/2017	9:22	9:22	33.1	1/24/2017 0:00	52.1
TIDBIT	10909839	1/16/2017	31.8	American Samoa	Rose Island	-14.547379	-168.143408	A1	12/2/2016	22:00	3/23/2017	9:22	9:22	33.1	1/24/2017 0:00	52.1
TIDBIT	10909839	1/17/2017	31.7	American Samoa	Rose Island	-14.547379	-168.143408	A1	12/2/2016	22:00	3/23/2017	9:22	9:22	33.1	1/24/2017 0:00	52.1
TIDBIT	10909839	1/18/2017	31.6	American Samoa	Rose Island	-14.547379	-168.143408	A1	12/2/2016	22:00	3/23/2017	9:22	9:22	33.1	1/24/2017 0:00	52.1
TIDBIT	10909839	1/19/2017	31.6	American Samoa	Rose Island	-14.547379	-168.143408	A1	12/2/2016	22:00	3/23/2017	9:22	9:22	33.1	1/24/2017 0:00	52.1
TIDBIT	10909839	1/20/2017	31.6	American Samoa	Rose Island	-14.547379	-168.143408	A1	12/2/2016	22:00	3/23/2017	9:22	9:22	33.1	1/24/2017 0:00	52.1
TIDBIT	10909839	1/21/2017	31.8	American Samoa	Rose Island	-14.547379	-168.143408	A1	12/2/2016	22:00	3/23/2017	9:22	9:22	33.1	1/24/2017 0:00	52.1
TIDBIT	10909839	1/22/2017	32.1	American Samoa	Rose Island	-14.547379	-168.143408	A1	12/2/2016	22:00	3/23/2017	9:22	9:22	33.1	1/24/2017 0:00	52.1
TIDBIT	10909839	1/23/2017	32.6	American Samoa	Rose Island	-14.547379	-168.143408	A1	12/2/2016	22:00	3/23/2017	9:22	9:22	33.1	1/24/2017 0:00	52.1
TIDBIT	10909839	1/24/2017	33.1	American Samoa	Rose Island	-14.547379	-168.143408	A1	12/2/2016	22:00	3/23/2017	9:22	9:22	33.1	1/24/2017 0:00	52.1
TIDBIT	10986157	12/3/2016	29.4	American Samoa	Rose Island	-14.547484	-168.143481	C1	12/2/2016	22:00	3/23/2017	9:00	9:00	34.0	1/13/2017 4:00	41.2
TIDBIT	10986157	12/4/2016	29.4	American Samoa	Rose Island	-14.547484	-168.143481	C1	12/2/2016	22:00	3/23/2017	9:00	9:00	34.0	1/13/2017 4:00	41.2
TIDBIT	10986157	12/5/2016	29.5	American Samoa	Rose Island	-14.547484	-168.143481	C1	12/2/2016	22:00	3/23/2017	9:00	9:00	34.0	1/13/2017 4:00	41.2
TIDBIT	10986157	12/6/2016	29.5	American Samoa	Rose Island	-14.547484	-168.143481	C1	12/2/2016	22:00	3/23/2017	9:00	9:00	34.0	1/13/2017 4:00	41.2
TIDBIT	10986157	12/7/2016	29.5	American Samoa	Rose Island	-14.547484	-168.143481	C1	12/2/2016	22:00	3/23/2017	9:00	9:00	34.0	1/13/2017 4:00	41.2
TIDBIT	10986157	12/8/2016	29.6	American Samoa	Rose Island	-14.547484	-168.143481	C1	12/2/2016	22:00	3/23/2017	9:00	9:00	34.0	1/13/2017 4:00	41.2
TIDBIT	10986157	12/9/2016	29.7	American Samoa	Rose Island	-14.547484	-168.143481	C1	12/2/2016	22:00	3/23/2017	9:00	9:00	34.0	1/13/2017 4:00	41.2
TIDBIT	10986157	12/10/2016	29.8	American Samoa	Rose Island	-14.547484	-168.143481	C1	12/2/2016	22:00	3/23/2017	9:00	9:00	34.0	1/13/2017 4:00	41.2
TIDBIT	10986157	12/11/2016	30.0	American Samoa	Rose Island	-14.547484	-168.143481	C1	12/2/2016	22:00	3/23/2017	9:00	9:00	34.0	1/13/2017 4:00	41.2
TIDBIT	10986157	12/12/2016	30.2	American Samoa	Rose Island	-14.547484	-168.143481	C1	12/2/2016	22:00	3/23/2017	9:00	9:00	34.0	1/13/2017 4:00	41.2
TIDBIT	10986157	12/13/2016	30.0	American Samoa	Rose Island	-14.547484	-168.143481	C1	12/2/2016	22:00	3/23/2017	9:00	9:00	34.0	1/13/2017 4:00	41.2
TIDBIT	10986157	12/14/2016	29.9	American Samoa	Rose Island	-14.547484	-168.143481	C1	12/2/2016	22:00	3/23/2017	9:00	9:00	34.0	1/13/2017 4:00	41.2
TIDBIT	10986157	12/15/2016	29.8	American Samoa	Rose Island	-14.547484	-168.143481	C1	12/2/2016	22:00	3/23/2017	9:00	9:00	34.0	1/13/2017 4:00	41.2
TIDBIT	10986157	12/16/2016	29.9	American Samoa	Rose Island	-14.547484	-168.143481	C1	12/2/2016	22:00	3/23/2017	9:00	9:00	34.0	1/13/2017 4:00	41.2
TIDBIT	10986157	12/17/2016	30.0	American Samoa	Rose Island	-14.547484	-168.143481	C1	12/2/2016	22:00	3/23/2017	9:00	9:00	34.0	1/13/2017 4:00	41.2
TIDBIT	10986157	12/18/2016	30.1	American Samoa	Rose Island	-14.547484	-168.143481	C1	12/2/2016	22:00	3/23/2017	9:00	9:00	34.0	1/13/2017 4:00	41.2
TIDBIT	10986157	12/19/2016	30.1	American Samoa	Rose Island	-14.547484	-168.143481	C1	12/2/2016	22:00	3/23/2017	9:00	9:00	34.0	1/13/2017 4:00	41.2
TIDBIT	10986157	12/20/2016	30.3	American Samoa	Rose Island	-14.547484	-168.143481	C1	12/2/2016	22:00	3/23/2017	9:00	9:00	34.0	1/13/2017 4:00	41.2
TIDBIT	10986157	12/21/2016	30.2	American Samoa	Rose Island	-14.547484	-168.143481	C1	12/2/2016	22:00	3/23/2017	9:00	9:00	34.0	1/13/2017 4:00	41.2
TIDBIT	10986157	12/22/2016	30.0	American Samoa	Rose Island	-14.547484	-168.143481	C1	12/2/2016	22:00	3/23/2017	9:00	9:00	34.0	1/13/2017 4:00	41.2
TIDBIT	10986157	12/23/2016	29.7	American Samoa	Rose Island	-14.547484	-168.143481	C1	12/2/2016	22:00	3/23/2017	9:00	9:00	34.0	1/13/2017 4:00	41.2
TIDBIT	10986157	12/24/2016	29.4	American Samoa	Rose Island	-14.547484	-168.143481	C1	12/2/2016	22:00	3/23/2017	9:00	9:00	34.0	1/13/2017 4:00	41.2
TIDBIT	10986157	12/25/2016	29.3	American Samoa	Rose Island	-14.547484	-168.143481	C1	12/2/2016	22:00	3/23/2017	9:00	9:00	34.0	1/13/2017 4:00	41.2
TIDBIT	10986157	12/26/2016	29.3	American Samoa	Rose Island	-14.547484	-168.143481	C1	12/2/2016	22:00	3/23/2017	9:00	9:00	34.0	1/13/2017 4:00	41.2
TIDBIT	10986157	12/27/2016	29.6	American Samoa	Rose Island	-14.547484	-168.143481	C1	12/2/2016	22:00	3/23/2017	9:00	9:00	34.0	1/13/2017 4:00	41.2
TIDBIT	10986157	12/28/2016	29.7	American Samoa	Rose Island	-14.547484	-168.143481	C1	12/2/2016	22:00	3/23/2017	9:00	9:00	34.0	1/13/2017 4:00	41.2
TIDBIT	10986157	12/29/2016	29.6	American Samoa	Rose Island	-14.547484	-168.143481	C1	12/2/2016	22:00	3/23/2017	9:00	9:00	34.0	1/13/2017 4:00	41.2
TIDBIT	10986157	12/30/2016	29.5	American Samoa	Rose Island	-14.547484	-168.143481	C1	12/2/2016	22:00	3/23/2017	9:00	9:00	34.0	1/13/2017 4:00	41.2
TIDBIT	10986157	12/31/2016	29.6	American Samoa	Rose Island	-14.547484	-168.143481	C1	12/2/2016	22:00	3/23/2017	9:00	9:00	34.0	1/13/2017 4:00	41.2
TIDBIT	10986157	1/1/2017	29.9	American Samoa	Rose Island	-14.547484	-168.143481	C1	12/2/2016	22:00	3/23/2017	9:00	9:00	34.0	1/13/2017 4:00	41.2
TIDBIT	10986157	1/2/2017	30.1	American Samoa	Rose Island	-14.547484	-168.143481	C1	12/2/2016	22:00	3/23/2017	9:00	9:00	34.0	1/13/2017 4:00	41.2
TIDBIT	10986157	1/3/2017	30.3	American Samoa	Rose Island	-14.547484	-168.143481	C1	12/2/2016	22:00	3/23/2017	9:00	9:00	34.0	1/13/2017 4:00	41.2
TIDBIT	10986157	1/4/2017	30.5	American Samoa	Rose Island	-14.547484	-168.143481	C1	12/2/2016	22:00	3/23/2017	9:00	9:00	34.0	1/13/2017 4:00	41.2
TIDBIT	10986157	1/5/2017	30.9	American Samoa	Rose Island	-14.547484	-168.143481	C1	12/2/2016	22:00	3/23/2017	9:00	9:00	34.0	1/13/2017 4:00	41.2
TIDBIT	10986157	1/6/2017	31.3	American Samoa	Rose Island	-14.547484	-168.143481	C1	12/2/2016	22:00	3/23/2017	9:00	9:00	34.0	1/13/2017 4:00	41.2
TIDBIT	10986157	1/7/2017	31.8	American Samoa	Rose Island	-14.547484	-168.143481	C1	12/2/2016	22:00	3/23/2017	9:00	9:00	34.0	1/13/2017 4:00	41.2
TIDBIT	10986157	1/8/2017	32.2	American Samoa	Rose Island	-14.547484	-168.143481	C1	12/2/2016	22:00	3/23/2017	9:00	9:00	34.0	1/13/2017 4:00	41.2
TIDBIT	10986157	1/9/2017	32.6	American Samoa	Rose Island	-14.547484	-168.143481	C1	12/2/2016	22:00	3/23/2017	9:00	9:00	34.0	1/13/2017 4:00	41.2
TIDBIT	10986157	1/10/2017	33.0	American Samoa	Rose Island	-14.547484	-168.143481	C1	12/2/2016	22:00	3/23/2017	9:00	9:00	34.0	1/13/2017 4:00	41.2

Supplemental Table 6. Summary of daily average temperatures recorded by temperature data loggers (n=30, HOBO TidbiT) including the logger type, logger number, temperature daily average, region, island, latitutude and longitude of deployment, turtle mototool number, date and time deployed, date and time of excavation, retrieval time of logger, maximum temperature, date and time of maximum temperature, and days to maximum temperature.

TIDBIT	10986157	1/11/2017	33.5	American Samoa	Rose Island	-14.547484	-168.143481	C1	12/2/2016	22:00	3/23/2017	9:00	9:00	34.0	1/13/2017 4:00	41.2
TIDBIT	10986157	1/12/2017	33.8	American Samoa	Rose Island	-14.547484	-168.143481	C1	12/2/2016	22:00	3/23/2017	9:00	9:00	34.0	1/13/2017 4:00	41.2
TIDBIT	10986157	1/13/2017	34.0	American Samoa	Rose Island	-14.547484	-168.143481	C1	12/2/2016	22:00	3/23/2017	9:00	9:00	34.0	1/13/2017 4:00	41.2
TIDBIT	10909826	12/3/2017	28.2	American Samoa	Rose Island	-14.54803	-168.144235	C1	12/2/2017	19:56	6/28/2023	17:12	17:12	33.5	1/20/2018 4:00	48.3
TIDBIT	10909826	12/4/2017	28.3	American Samoa	Rose Island	-14.54803	-168.144235	C1	12/2/2017	19:56	6/28/2023	17:12	17:12	33.5	1/20/2018 4:00	48.3
TIDBIT	10909826	12/5/2017	28.5	American Samoa	Rose Island	-14.54803	-168.144235	C1	12/2/2017	19:56	6/28/2023	17:12	17:12	33.5	1/20/2018 4:00	48.3
TIDBIT	10909826	12/6/2017	28.7	American Samoa	Rose Island	-14.54803	-168.144235	C1	12/2/2017	19:56	6/28/2023	17:12	17:12	33.5	1/20/2018 4:00	48.3
TIDBIT	10909826	12/7/2017	28.9	American Samoa	Rose Island	-14.54803	-168.144235	C1	12/2/2017	19:56	6/28/2023	17:12	17:12	33.5	1/20/2018 4:00	48.3
TIDBIT	10909826	12/8/2017	28.8	American Samoa	Rose Island	-14.54803	-168.144235	C1	12/2/2017	19:56	6/28/2023	17:12	17:12	33.5	1/20/2018 4:00	48.3
TIDBIT	10909826	12/9/2017	28.6	American Samoa	Rose Island	-14.54803	-168.144235	C1	12/2/2017	19:56	6/28/2023	17:12	17:12	33.5	1/20/2018 4:00	48.3
TIDBIT	10909826	12/10/2017	28.4	American Samoa	Rose Island	-14.54803	-168.144235	C1	12/2/2017	19:56	6/28/2023	17:12	17:12	33.5	1/20/2018 4:00	48.3
TIDBIT	10909826	12/11/2017	28.3	American Samoa	Rose Island	-14.54803	-168.144235	C1	12/2/2017	19:56	6/28/2023	17:12	17:12	33.5	1/20/2018 4:00	48.3
TIDBIT	10909826	12/12/2017	28.2	American Samoa	Rose Island	-14.54803	-168.144235	C1	12/2/2017	19:56	6/28/2023	17:12	17:12	33.5	1/20/2018 4:00	48.3
TIDBIT	10909826	12/13/2017	28.2	American Samoa	Rose Island	-14.54803	-168.144235	C1	12/2/2017	19:56	6/28/2023	17:12	17:12	33.5	1/20/2018 4:00	48.3
TIDBIT	10909826	12/14/2017	28.3	American Samoa	Rose Island	-14.54803	-168.144235	C1	12/2/2017	19:56	6/28/2023	17:12	17:12	33.5	1/20/2018 4:00	48.3
TIDBIT	10909826	12/15/2017	28.3	American Samoa	Rose Island	-14.54803	-168.144235	C1	12/2/2017	19:56	6/28/2023	17:12	17:12	33.5	1/20/2018 4:00	48.3
TIDBIT	10909826	12/16/2017	28.4	American Samoa	Rose Island	-14.54803	-168.144235	C1	12/2/2017	19:56	6/28/2023	17:12	17:12	33.5	1/20/2018 4:00	48.3
TIDBIT	10909826	12/17/2017	28.3	American Samoa	Rose Island	-14.54803	-168.144235	C1	12/2/2017	19:56	6/28/2023	17:12	17:12	33.5	1/20/2018 4:00	48.3
TIDBIT	10909826	12/18/2017	28.3	American Samoa	Rose Island	-14.54803	-168.144235	C1	12/2/2017	19:56	6/28/2023	17:12	17:12	33.5	1/20/2018 4:00	48.3
TIDBIT	10909826	12/19/2017	28.2	American Samoa	Rose Island	-14.54803	-168.144235	C1	12/2/2017	19:56	6/28/2023	17:12	17:12	33.5	1/20/2018 4:00	48.3
TIDBIT	10909826	12/20/2017	28.3	American Samoa	Rose Island	-14.54803	-168.144235	C1	12/2/2017	19:56	6/28/2023	17:12	17:12	33.5	1/20/2018 4:00	48.3
TIDBIT	10909826	12/21/2017	28.4	American Samoa	Rose Island	-14.54803	-168.144235	C1	12/2/2017	19:56	6/28/2023	17:12	17:12	33.5	1/20/2018 4:00	48.3
TIDBIT	10909826	12/22/2017	28.5	American Samoa	Rose Island	-14.54803	-168.144235	C1	12/2/2017	19:56	6/28/2023	17:12	17:12	33.5	1/20/2018 4:00	48.3
TIDBIT	10909826	12/23/2017	28.6	American Samoa	Rose Island	-14.54803	-168.144235	C1	12/2/2017	19:56	6/28/2023	17:12	17:12	33.5	1/20/2018 4:00	48.3
TIDBIT	10909826	12/24/2017	28.7	American Samoa	Rose Island	-14.54803	-168.144235	C1	12/2/2017	19:56	6/28/2023	17:12	17:12	33.5	1/20/2018 4:00	48.3
TIDBIT	10909826	12/25/2017	28.8	American Samoa	Rose Island	-14.54803	-168.144235	C1	12/2/2017	19:56	6/28/2023	17:12	17:12	33.5	1/20/2018 4:00	48.3
TIDBIT	10909826	12/26/2017	28.8	American Samoa	Rose Island	-14.54803	-168.144235	C1	12/2/2017	19:56	6/28/2023	17:12	17:12	33.5	1/20/2018 4:00	48.3
TIDBIT	10909826	12/27/2017	28.9	American Samoa	Rose Island	-14.54803	-168.144235	C1	12/2/2017	19:56	6/28/2023	17:12	17:12	33.5	1/20/2018 4:00	48.3
TIDBIT	10909826	12/28/2017	29.0	American Samoa	Rose Island	-14.54803	-168.144235	C1	12/2/2017	19:56	6/28/2023	17:12	17:12	33.5	1/20/2018 4:00	48.3
TIDBIT	10909826	12/29/2017	29.2	American Samoa	Rose Island	-14.54803	-168.144235	C1	12/2/2017	19:56	6/28/2023	17:12	17:12	33.5	1/20/2018 4:00	48.3
TIDBIT	10909826	12/30/2017	29.3	American Samoa	Rose Island	-14.54803	-168.144235	C1	12/2/2017	19:56	6/28/2023	17:12	17:12	33.5	1/20/2018 4:00	48.3
TIDBIT	10909826	12/31/2017	29.3	American Samoa	Rose Island	-14.54803	-168.144235	C1	12/2/2017	19:56	6/28/2023	17:12	17:12	33.5	1/20/2018 4:00	48.3
TIDBIT	10909826	1/1/2018	29.4	American Samoa	Rose Island	-14.54803	-168.144235	C1	12/2/2017	19:56	6/28/2023	17:12	17:12	33.5	1/20/2018 4:00	48.3
TIDBIT	10909826	1/2/2018	29.6	American Samoa	Rose Island	-14.54803	-168.144235	C1	12/2/2017	19:56	6/28/2023	17:12	17:12	33.5	1/20/2018 4:00	48.3
TIDBIT	10909826	1/3/2018	29.3	American Samoa	Rose Island	-14.54803	-168.144235	C1	12/2/2017	19:56	6/28/2023	17:12	17:12	33.5	1/20/2018 4:00	48.3
TIDBIT	10909826	1/4/2018	29.4	American Samoa	Rose Island	-14.54803	-168.144235	C1	12/2/2017	19:56	6/28/2023	17:12	17:12	33.5	1/20/2018 4:00	48.3
TIDBIT	10909826	1/5/2018	29.7	American Samoa	Rose Island	-14.54803	-168.144235	C1	12/2/2017	19:56	6/28/2023	17:12	17:12	33.5	1/20/2018 4:00	48.3
TIDBIT	10909826	1/6/2018	29.9	American Samoa	Rose Island	-14.54803	-168.144235	C1	12/2/2017	19:56	6/28/2023	17:12	17:12	33.5	1/20/2018 4:00	48.3
TIDBIT	10909826	1/7/2018	30.1	American Samoa	Rose Island	-14.54803	-168.144235	C1	12/2/2017	19:56	6/28/2023	17:12	17:12	33.5	1/20/2018 4:00	48.3
TIDBIT	10909826	1/8/2018	30.3	American Samoa	Rose Island	-14.54803	-168.144235	C1	12/2/2017	19:56	6/28/2023	17:12	17:12	33.5	1/20/2018 4:00	48.3
TIDBIT	10909826	1/9/2018	30.5	American Samoa	Rose Island	-14.54803	-168.144235	C1	12/2/2017	19:56	6/28/2023	17:12	17:12	33.5	1/20/2018 4:00	48.3
TIDBIT	10909826	1/10/2018	30.5	American Samoa	Rose Island	-14.54803	-168.144235	C1	12/2/2017	19:56	6/28/2023	17:12	17:12	33.5	1/20/2018 4:00	48.3
TIDBIT	10909826	1/11/2018	30.8	American Samoa	Rose Island	-14.54803	-168.144235	C1	12/2/2017	19:56	6/28/2023	17:12	17:12	33.5	1/20/2018 4:00	48.3
TIDBIT	10909826	1/12/2018	31.1	American Samoa	Rose Island	-14.54803	-168.144235	C1	12/2/2017	19:56	6/28/2023	17:12	17:12	33.5	1/20/2018 4:00	48.3
TIDBIT	10909826	1/13/2018	31.4	American Samoa	Rose Island	-14.54803	-168.144235	C1	12/2/2017	19:56	6/28/2023	17:12	17:12	33.5	1/20/2018 4:00	48.3
TIDBIT	10909826	1/14/2018	31.8	American Samoa	Rose Island	-14.54803	-168.144235	C1	12/2/2017	19:56	6/28/2023	17:12	17:12	33.5	1/20/2018 4:00	48.3
TIDBIT	10909826	1/15/2018	32.2	American Samoa	Rose Island	-14.54803	-168.144235	C1	12/2/2017	19:56	6/28/2023	17:12	17:12	33.5	1/20/2018 4:00	48.3
TIDBIT	10909826	1/16/2018	32.7	American Samoa	Rose Island	-14.54803	-168.144235	C1	12/2/2017	19:56	6/28/2023	17:12	17:12	33.5	1/20/2018 4:00	48.3
TIDBIT	10909826	1/17/2018	33.0	American Samoa	Rose Island	-14.54803	-168.144235	C1	12/2/2017	19:56	6/28/2023	17:12	17:12	33.5	1/20/2018 4:00	48.3
TIDBIT	10909826	1/18/2018	33.4	American Samoa	Rose Island	-14.54803	-168.144235	C1	12/2/2017	19:56	6/28/2023	17:12	17:12	33.5	1/20/2018 4:00	48.3
TIDBIT	10909826	1/19/2018	33.4	American Samoa	Rose Island	-14.54803	-168.144235	C1	12/2/2017	19:56	6/28/2023	17:12	17:12	33.5	1/20/2018 4:00	48.3
TIDBIT	10909826	1/20/2018	33.5	American Samoa	Rose Island	-14.54803	-168.144235	C1	12/2/2017	19:56	6/28/2023	17:12	17:12	33.5	1/20/2018 4:00	48.3
TIDBIT	10909828	12/3/2017	28.4	American Samoa	Rose Island			C3	12/2/2017	19:27	10/12/2018	14:30	14:30	35.7	1/19/2018 6:00	47.4
TIDBIT	10909828	12/4/2017	28.4	American Samoa	Rose Island			C3	12/2/2017	19:27	10/12/2018	14:30	14:30	35.7	1/19/2018 6:00	47.4
TIDBIT	10909828	12/5/2017	28.6	American Samoa	Rose Island			C3	12/2/2017	19:27	10/12/2018	14:30	14:30	35.7	1/19/2018 6:00	47.4

Supplemental Table 6. Summary of daily average temperatures recorded by temperature data loggers (n=30, HOBO TidbiT) including the logger type, logger number, temperature daily average, region, island, latitutude and longitude of deployment, turtle mototool number, date and time deployed, date and time of excavation, retrieval time of logger, maximum temperature, date and time of maximum temperature, and days to maximum temperature.

TIDBIT	10909828	12/6/2017	28.8	American Samoa	Rose Island			C3	12/2/2017	19:27	10/12/2018	14:30	14:30	35.7	1/19/2018 6:00	47.4
TIDBIT	10909828	12/7/2017	28.9	American Samoa	Rose Island			C3	12/2/2017	19:27	10/12/2018	14:30	14:30	35.7	1/19/2018 6:00	47.4
TIDBIT	10909828	12/8/2017	29.0	American Samoa	Rose Island			C3	12/2/2017	19:27	10/12/2018	14:30	14:30	35.7	1/19/2018 6:00	47.4
TIDBIT	10909828	12/9/2017	29.0	American Samoa	Rose Island			C3	12/2/2017	19:27	10/12/2018	14:30	14:30	35.7	1/19/2018 6:00	47.4
TIDBIT	10909828	12/10/2017	29.0	American Samoa	Rose Island			C3	12/2/2017	19:27	10/12/2018	14:30	14:30	35.7	1/19/2018 6:00	47.4
TIDBIT	10909828	12/11/2017	28.8	American Samoa	Rose Island			C3	12/2/2017	19:27	10/12/2018	14:30	14:30	35.7	1/19/2018 6:00	47.4
TIDBIT	10909828	12/12/2017	28.7	American Samoa	Rose Island			C3	12/2/2017	19:27	10/12/2018	14:30	14:30	35.7	1/19/2018 6:00	47.4
TIDBIT	10909828	12/13/2017	28.7	American Samoa	Rose Island			C3	12/2/2017	19:27	10/12/2018	14:30	14:30	35.7	1/19/2018 6:00	47.4
TIDBIT	10909828	12/14/2017	28.7	American Samoa	Rose Island			C3	12/2/2017	19:27	10/12/2018	14:30	14:30	35.7	1/19/2018 6:00	47.4
TIDBIT	10909828	12/15/2017	28.8	American Samoa	Rose Island			C3	12/2/2017	19:27	10/12/2018	14:30	14:30	35.7	1/19/2018 6:00	47.4
TIDBIT	10909828	12/16/2017	28.8	American Samoa	Rose Island			C3	12/2/2017	19:27	10/12/2018	14:30	14:30	35.7	1/19/2018 6:00	47.4
TIDBIT	10909828	12/17/2017	28.8	American Samoa	Rose Island			C3	12/2/2017	19:27	10/12/2018	14:30	14:30	35.7	1/19/2018 6:00	47.4
TIDBIT	10909828	12/18/2017	28.9	American Samoa	Rose Island			C3	12/2/2017	19:27	10/12/2018	14:30	14:30	35.7	1/19/2018 6:00	47.4
TIDBIT	10909828	12/19/2017	28.9	American Samoa	Rose Island			C3	12/2/2017	19:27	10/12/2018	14:30	14:30	35.7	1/19/2018 6:00	47.4
TIDBIT	10909828	12/20/2017	29.0	American Samoa	Rose Island			C3	12/2/2017	19:27	10/12/2018	14:30	14:30	35.7	1/19/2018 6:00	47.4
TIDBIT	10909828	12/21/2017	29.1	American Samoa	Rose Island			C3	12/2/2017	19:27	10/12/2018	14:30	14:30	35.7	1/19/2018 6:00	47.4
TIDBIT	10909828	12/22/2017	29.2	American Samoa	Rose Island			C3	12/2/2017	19:27	10/12/2018	14:30	14:30	35.7	1/19/2018 6:00	47.4
TIDBIT	10909828	12/23/2017	29.4	American Samoa	Rose Island			C3	12/2/2017	19:27	10/12/2018	14:30	14:30	35.7	1/19/2018 6:00	47.4
TIDBIT	10909828	12/24/2017	29.6	American Samoa	Rose Island			C3	12/2/2017	19:27	10/12/2018	14:30	14:30	35.7	1/19/2018 6:00	47.4
TIDBIT	10909828	12/25/2017	29.8	American Samoa	Rose Island			C3	12/2/2017	19:27	10/12/2018	14:30	14:30	35.7	1/19/2018 6:00	47.4
TIDBIT	10909828	12/26/2017	29.9	American Samoa	Rose Island			C3	12/2/2017	19:27	10/12/2018	14:30	14:30	35.7	1/19/2018 6:00	47.4
TIDBIT	10909828	12/27/2017	30.0	American Samoa	Rose Island			C3	12/2/2017	19:27	10/12/2018	14:30	14:30	35.7	1/19/2018 6:00	47.4
TIDBIT	10909828	12/28/2017	30.2	American Samoa	Rose Island			C3	12/2/2017	19:27	10/12/2018	14:30	14:30	35.7	1/19/2018 6:00	47.4
TIDBIT	10909828	12/29/2017	30.5	American Samoa	Rose Island			C3	12/2/2017	19:27	10/12/2018	14:30	14:30	35.7	1/19/2018 6:00	47.4
TIDBIT	10909828	12/30/2017	30.7	American Samoa	Rose Island			C3	12/2/2017	19:27	10/12/2018	14:30	14:30	35.7	1/19/2018 6:00	47.4
TIDBIT	10909828	12/31/2017	31.0	American Samoa	Rose Island			C3	12/2/2017	19:27	10/12/2018	14:30	14:30	35.7	1/19/2018 6:00	47.4
TIDBIT	10909828	1/1/2018	31.1	American Samoa	Rose Island			C3	12/2/2017	19:27	10/12/2018	14:30	14:30	35.7	1/19/2018 6:00	47.4
TIDBIT	10909828	1/2/2018	31.3	American Samoa	Rose Island			C3	12/2/2017	19:27	10/12/2018	14:30	14:30	35.7	1/19/2018 6:00	47.4
TIDBIT	10909828	1/3/2018	31.4	American Samoa	Rose Island			C3	12/2/2017	19:27	10/12/2018	14:30	14:30	35.7	1/19/2018 6:00	47.4
TIDBIT	10909828	1/4/2018	31.4	American Samoa	Rose Island			C3	12/2/2017	19:27	10/12/2018	14:30	14:30	35.7	1/19/2018 6:00	47.4
TIDBIT	10909828	1/5/2018	31.6	American Samoa	Rose Island			C3	12/2/2017	19:27	10/12/2018	14:30	14:30	35.7	1/19/2018 6:00	47.4
TIDBIT	10909828	1/6/2018	31.9	American Samoa	Rose Island			C3	12/2/2017	19:27	10/12/2018	14:30	14:30	35.7	1/19/2018 6:00	47.4
TIDBIT	10909828	1/7/2018	32.3	American Samoa	Rose Island			C3	12/2/2017	19:27	10/12/2018	14:30	14:30	35.7	1/19/2018 6:00	47.4
TIDBIT	10909828	1/8/2018	32.6	American Samoa	Rose Island			C3	12/2/2017	19:27	10/12/2018	14:30	14:30	35.7	1/19/2018 6:00	47.4
TIDBIT	10909828	1/9/2018	32.7	American Samoa	Rose Island			C3	12/2/2017	19:27	10/12/2018	14:30	14:30	35.7	1/19/2018 6:00	47.4
TIDBIT	10909828	1/10/2018	33.0	American Samoa	Rose Island			C3	12/2/2017	19:27	10/12/2018	14:30	14:30	35.7	1/19/2018 6:00	47.4
TIDBIT	10909828	1/11/2018	33.3	American Samoa	Rose Island			C3	12/2/2017	19:27	10/12/2018	14:30	14:30	35.7	1/19/2018 6:00	47.4
TIDBIT	10909828	1/12/2018	33.6	American Samoa	Rose Island			C3	12/2/2017	19:27	10/12/2018	14:30	14:30	35.7	1/19/2018 6:00	47.4
TIDBIT	10909828	1/13/2018	33.9	American Samoa	Rose Island			C3	12/2/2017	19:27	10/12/2018	14:30	14:30	35.7	1/19/2018 6:00	47.4
TIDBIT	10909828	1/14/2018	34.3	American Samoa	Rose Island			C3	12/2/2017	19:27	10/12/2018	14:30	14:30	35.7	1/19/2018 6:00	47.4
TIDBIT	10909828	1/15/2018	34.6	American Samoa	Rose Island			C3	12/2/2017	19:27	10/12/2018	14:30	14:30	35.7	1/19/2018 6:00	47.4
TIDBIT	10909828	1/16/2018	35.0	American Samoa	Rose Island			C3	12/2/2017	19:27	10/12/2018	14:30	14:30	35.7	1/19/2018 6:00	47.4
TIDBIT	10909828	1/17/2018	35.3	American Samoa	Rose Island			C3	12/2/2017	19:27	10/12/2018	14:30	14:30	35.7	1/19/2018 6:00	47.4
TIDBIT	10909828	1/18/2018	35.5	American Samoa	Rose Island			C3	12/2/2017	19:27	10/12/2018	14:30	14:30	35.7	1/19/2018 6:00	47.4
TIDBIT	10909828	1/19/2018	35.6	American Samoa	Rose Island			C3	12/2/2017	19:27	10/12/2018	14:30	14:30	35.7	1/19/2018 6:00	47.4
TIDBIT	10909833	12/3/2017	27.1	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	12/4/2017	27.2	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	12/5/2017	27.5	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	12/6/2017	27.7	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	12/7/2017	27.9	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	12/8/2017	27.8	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	12/9/2017	27.7	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	12/10/2017	27.7	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	12/11/2017	27.7	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	12/12/2017	27.7	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6

Supplemental Table 6. Summary of daily average temperatures recorded by temperature data loggers (n=30, HOBO TidbiT) including the logger type, logger number, temperature daily average, region, island, latitutde and longitude of deployment, turtle mototool number, date and time deployed, date and time of excavation, retrieval time of logger, maximum temperature, date and time of maximum temperature, and days to maximum temperature.

TIDBIT	10909833	12/13/2017	27.7	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	12/14/2017	27.8	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	12/15/2017	27.9	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	12/16/2017	27.9	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	12/17/2017	27.8	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	12/18/2017	27.7	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	12/19/2017	27.8	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	12/20/2017	27.9	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	12/21/2017	28.1	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	12/22/2017	28.3	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	12/23/2017	28.5	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	12/24/2017	28.8	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	12/25/2017	28.9	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	12/26/2017	29.0	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	12/27/2017	29.1	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	12/28/2017	29.3	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	12/29/2017	29.4	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	12/30/2017	29.6	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	12/31/2017	29.6	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	1/1/2018	29.7	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	1/2/2018	29.9	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	1/3/2018	29.9	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	1/4/2018	29.8	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	1/5/2018	30.1	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	1/6/2018	30.4	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	1/7/2018	30.8	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	1/8/2018	30.7	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	1/9/2018	30.9	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	1/10/2018	31.1	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	1/11/2018	31.4	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	1/12/2018	31.8	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	1/13/2018	32.3	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	1/14/2018	32.7	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	1/15/2018	33.2	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	1/16/2018	33.4	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	1/17/2018	33.7	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	1/18/2018	33.4	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	1/19/2018	32.9	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	1/20/2018	33.0	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	1/21/2018	33.3	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	1/22/2018	32.5	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	1/23/2018	32.3	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	1/24/2018	32.2	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	1/25/2018	31.4	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	1/26/2018	32.2	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	1/27/2018	31.2	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	1/28/2018	30.5	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	1/29/2018	30.2	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	1/30/2018	29.7	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	1/31/2018	29.1	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	2/1/2018	28.8	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	2/2/2018	28.8	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	2/3/2018	28.6	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	2/4/2018	28.6	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	2/5/2018	28.6	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6

Supplemental Table 6. Summary of daily average temperatures recorded by temperature data loggers (n=30, HOBO TidbiT) including the logger type, logger number, temperature daily average, region, island, latitutude and longitude of deployment, turtle mototool number, date and time deployed, date and time of excavation, retrieval time of logger, maximum temperature, date and time of maximum temperature, and days to maximum temperature.

TIDBIT	10909833	2/6/2018	28.6	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	2/7/2018	28.6	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	2/8/2018	28.6	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	2/9/2018	27.3	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	2/10/2018	28.0	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	2/11/2018	28.0	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	2/12/2018	34.7	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	2/13/2018	33.9	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	2/14/2018	31.4	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	2/15/2018	27.6	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	2/16/2018	31.2	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	2/17/2018	28.6	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	2/18/2018	27.2	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	2/19/2018	29.8	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	2/20/2018	26.1	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	2/21/2018	26.7	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	2/22/2018	28.2	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	2/23/2018	29.7	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	2/24/2018	33.3	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	2/25/2018	33.5	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	2/26/2018	31.2	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	2/27/2018	33.9	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	2/28/2018	32.0	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	3/1/2018	33.6	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	3/2/2018	33.0	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	3/3/2018	32.8	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	3/4/2018	34.3	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	3/5/2018	28.2	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	3/6/2018	32.4	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	3/7/2018	32.0	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	3/8/2018	33.0	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	3/9/2018	30.8	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909833	3/10/2018	33.1	American Samoa	Rose Island	-14.548081	-168.144196	B3	12/1/2017	23:05	8/12/2018	16:54	16:54	54.6	3/10/2018 14:00	98.6
TIDBIT	10909839	12/2/2017	28.0	American Samoa	Rose Island	-14.547526	-168.143633	A2	11/30/2017	23:15	3/23/2020	13:20	13:20	33.7	1/17/2018 4:00	47.2
TIDBIT	10909839	12/3/2017	28.2	American Samoa	Rose Island	-14.547526	-168.143633	A2	11/30/2017	23:15	3/23/2020	13:20	13:20	33.7	1/17/2018 4:00	47.2
TIDBIT	10909839	12/4/2017	28.4	American Samoa	Rose Island	-14.547526	-168.143633	A2	11/30/2017	23:15	3/23/2020	13:20	13:20	33.7	1/17/2018 4:00	47.2
TIDBIT	10909839	12/5/2017	28.6	American Samoa	Rose Island	-14.547526	-168.143633	A2	11/30/2017	23:15	3/23/2020	13:20	13:20	33.7	1/17/2018 4:00	47.2
TIDBIT	10909839	12/6/2017	28.9	American Samoa	Rose Island	-14.547526	-168.143633	A2	11/30/2017	23:15	3/23/2020	13:20	13:20	33.7	1/17/2018 4:00	47.2
TIDBIT	10909839	12/7/2017	29.1	American Samoa	Rose Island	-14.547526	-168.143633	A2	11/30/2017	23:15	3/23/2020	13:20	13:20	33.7	1/17/2018 4:00	47.2
TIDBIT	10909839	12/8/2017	29.1	American Samoa	Rose Island	-14.547526	-168.143633	A2	11/30/2017	23:15	3/23/2020	13:20	13:20	33.7	1/17/2018 4:00	47.2
TIDBIT	10909839	12/9/2017	28.9	American Samoa	Rose Island	-14.547526	-168.143633	A2	11/30/2017	23:15	3/23/2020	13:20	13:20	33.7	1/17/2018 4:00	47.2
TIDBIT	10909839	12/10/2017	28.7	American Samoa	Rose Island	-14.547526	-168.143633	A2	11/30/2017	23:15	3/23/2020	13:20	13:20	33.7	1/17/2018 4:00	47.2
TIDBIT	10909839	12/11/2017	28.5	American Samoa	Rose Island	-14.547526	-168.143633	A2	11/30/2017	23:15	3/23/2020	13:20	13:20	33.7	1/17/2018 4:00	47.2
TIDBIT	10909839	12/12/2017	28.3	American Samoa	Rose Island	-14.547526	-168.143633	A2	11/30/2017	23:15	3/23/2020	13:20	13:20	33.7	1/17/2018 4:00	47.2
TIDBIT	10909839	12/13/2017	28.3	American Samoa	Rose Island	-14.547526	-168.143633	A2	11/30/2017	23:15	3/23/2020	13:20	13:20	33.7	1/17/2018 4:00	47.2
TIDBIT	10909839	12/14/2017	28.4	American Samoa	Rose Island	-14.547526	-168.143633	A2	11/30/2017	23:15	3/23/2020	13:20	13:20	33.7	1/17/2018 4:00	47.2
TIDBIT	10909839	12/15/2017	28.5	American Samoa	Rose Island	-14.547526	-168.143633	A2	11/30/2017	23:15	3/23/2020	13:20	13:20	33.7	1/17/2018 4:00	47.2
TIDBIT	10909839	12/16/2017	28.6	American Samoa	Rose Island	-14.547526	-168.143633	A2	11/30/2017	23:15	3/23/2020	13:20	13:20	33.7	1/17/2018 4:00	47.2
TIDBIT	10909839	12/17/2017	28.6	American Samoa	Rose Island	-14.547526	-168.143633	A2	11/30/2017	23:15	3/23/2020	13:20	13:20	33.7	1/17/2018 4:00	47.2
TIDBIT	10909839	12/18/2017	28.6	American Samoa	Rose Island	-14.547526	-168.143633	A2	11/30/2017	23:15	3/23/2020	13:20	13:20	33.7	1/17/2018 4:00	47.2
TIDBIT	10909839	12/19/2017	28.5	American Samoa	Rose Island	-14.547526	-168.143633	A2	11/30/2017	23:15	3/23/2020	13:20	13:20	33.7	1/17/2018 4:00	47.2
TIDBIT	10909839	12/20/2017	28.6	American Samoa	Rose Island	-14.547526	-168.143633	A2	11/30/2017	23:15	3/23/2020	13:20	13:20	33.7	1/17/2018 4:00	47.2
TIDBIT	10909839	12/21/2017	28.8	American Samoa	Rose Island	-14.547526	-168.143633	A2	11/30/2017	23:15	3/23/2020	13:20	13:20	33.7	1/17/2018 4:00	47.2
TIDBIT	10909839	12/22/2017	29.0	American Samoa	Rose Island	-14.547526	-168.143633	A2	11/30/2017	23:15	3/23/2020	13:20	13:20	33.7	1/17/2018 4:00	47.2
TIDBIT	10909839	12/23/2017	29.3	American Samoa	Rose Island	-14.547526	-168.143633	A2	11/30/2017	23:15	3/23/2020	13:20	13:20	33.7	1/17/2018 4:00	47.2

Supplemental Table 6. Summary of daily average temperatures recorded by temperature data loggers (n=30, HOBO TidbiT) including the logger type, logger number, temperature daily average, region, island, latitutde and longitude of deployment, turtle mototool number, date and time deployed, date and time of excavation, retrieval time of logger, maximum temperature, date and time of maximum temperature, and days to maximum temperature.

TIDBIT	10909839	12/24/2017	29.5	American Samoa	Rose Island	-14.547526	-168.143633	A2	11/30/2017	23:15	3/23/2020	13:20	13:20	33.7	1/17/2018 4:00	47.2
TIDBIT	10909839	12/25/2017	29.6	American Samoa	Rose Island	-14.547526	-168.143633	A2	11/30/2017	23:15	3/23/2020	13:20	13:20	33.7	1/17/2018 4:00	47.2
TIDBIT	10909839	12/26/2017	29.7	American Samoa	Rose Island	-14.547526	-168.143633	A2	11/30/2017	23:15	3/23/2020	13:20	13:20	33.7	1/17/2018 4:00	47.2
TIDBIT	10909839	12/27/2017	29.8	American Samoa	Rose Island	-14.547526	-168.143633	A2	11/30/2017	23:15	3/23/2020	13:20	13:20	33.7	1/17/2018 4:00	47.2
TIDBIT	10909839	12/28/2017	29.9	American Samoa	Rose Island	-14.547526	-168.143633	A2	11/30/2017	23:15	3/23/2020	13:20	13:20	33.7	1/17/2018 4:00	47.2
TIDBIT	10909839	12/29/2017	30.2	American Samoa	Rose Island	-14.547526	-168.143633	A2	11/30/2017	23:15	3/23/2020	13:20	13:20	33.7	1/17/2018 4:00	47.2
TIDBIT	10909839	12/30/2017	30.3	American Samoa	Rose Island	-14.547526	-168.143633	A2	11/30/2017	23:15	3/23/2020	13:20	13:20	33.7	1/17/2018 4:00	47.2
TIDBIT	10909839	12/31/2017	30.1	American Samoa	Rose Island	-14.547526	-168.143633	A2	11/30/2017	23:15	3/23/2020	13:20	13:20	33.7	1/17/2018 4:00	47.2
TIDBIT	10909839	1/1/2018	30.2	American Samoa	Rose Island	-14.547526	-168.143633	A2	11/30/2017	23:15	3/23/2020	13:20	13:20	33.7	1/17/2018 4:00	47.2
TIDBIT	10909839	1/2/2018	30.4	American Samoa	Rose Island	-14.547526	-168.143633	A2	11/30/2017	23:15	3/23/2020	13:20	13:20	33.7	1/17/2018 4:00	47.2
TIDBIT	10909839	1/3/2018	29.5	American Samoa	Rose Island	-14.547526	-168.143633	A2	11/30/2017	23:15	3/23/2020	13:20	13:20	33.7	1/17/2018 4:00	47.2
TIDBIT	10909839	1/4/2018	29.6	American Samoa	Rose Island	-14.547526	-168.143633	A2	11/30/2017	23:15	3/23/2020	13:20	13:20	33.7	1/17/2018 4:00	47.2
TIDBIT	10909839	1/5/2018	30.3	American Samoa	Rose Island	-14.547526	-168.143633	A2	11/30/2017	23:15	3/23/2020	13:20	13:20	33.7	1/17/2018 4:00	47.2
TIDBIT	10909839	1/6/2018	30.7	American Samoa	Rose Island	-14.547526	-168.143633	A2	11/30/2017	23:15	3/23/2020	13:20	13:20	33.7	1/17/2018 4:00	47.2
TIDBIT	10909839	1/7/2018	30.9	American Samoa	Rose Island	-14.547526	-168.143633	A2	11/30/2017	23:15	3/23/2020	13:20	13:20	33.7	1/17/2018 4:00	47.2
TIDBIT	10909839	1/8/2018	30.5	American Samoa	Rose Island	-14.547526	-168.143633	A2	11/30/2017	23:15	3/23/2020	13:20	13:20	33.7	1/17/2018 4:00	47.2
TIDBIT	10909839	1/9/2018	30.9	American Samoa	Rose Island	-14.547526	-168.143633	A2	11/30/2017	23:15	3/23/2020	13:20	13:20	33.7	1/17/2018 4:00	47.2
TIDBIT	10909839	1/10/2018	31.1	American Samoa	Rose Island	-14.547526	-168.143633	A2	11/30/2017	23:15	3/23/2020	13:20	13:20	33.7	1/17/2018 4:00	47.2
TIDBIT	10909839	1/11/2018	31.5	American Samoa	Rose Island	-14.547526	-168.143633	A2	11/30/2017	23:15	3/23/2020	13:20	13:20	33.7	1/17/2018 4:00	47.2
TIDBIT	10909839	1/12/2018	31.9	American Samoa	Rose Island	-14.547526	-168.143633	A2	11/30/2017	23:15	3/23/2020	13:20	13:20	33.7	1/17/2018 4:00	47.2
TIDBIT	10909839	1/13/2018	32.4	American Samoa	Rose Island	-14.547526	-168.143633	A2	11/30/2017	23:15	3/23/2020	13:20	13:20	33.7	1/17/2018 4:00	47.2
TIDBIT	10909839	1/14/2018	32.8	American Samoa	Rose Island	-14.547526	-168.143633	A2	11/30/2017	23:15	3/23/2020	13:20	13:20	33.7	1/17/2018 4:00	47.2
TIDBIT	10909839	1/15/2018	33.1	American Samoa	Rose Island	-14.547526	-168.143633	A2	11/30/2017	23:15	3/23/2020	13:20	13:20	33.7	1/17/2018 4:00	47.2
TIDBIT	10909839	1/16/2018	33.3	American Samoa	Rose Island	-14.547526	-168.143633	A2	11/30/2017	23:15	3/23/2020	13:20	13:20	33.7	1/17/2018 4:00	47.2
TIDBIT	10909839	1/17/2018	33.6	American Samoa	Rose Island	-14.547526	-168.143633	A2	11/30/2017	23:15	3/23/2020	13:20	13:20	33.7	1/17/2018 4:00	47.2
TIDBIT	10986141	12/4/2017	29.1	American Samoa	Rose Island	-14.54808	-168.144334	D1	12/3/2017	21:00	6/24/2018	8:27	8:27	34.2	1/18/2018 6:00	45.4
TIDBIT	10986141	12/5/2017	29.2	American Samoa	Rose Island	-14.54808	-168.144334	D1	12/3/2017	21:00	6/24/2018	8:27	8:27	34.2	1/18/2018 6:00	45.4
TIDBIT	10986141	12/6/2017	29.4	American Samoa	Rose Island	-14.54808	-168.144334	D1	12/3/2017	21:00	6/24/2018	8:27	8:27	34.2	1/18/2018 6:00	45.4
TIDBIT	10986141	12/7/2017	29.6	American Samoa	Rose Island	-14.54808	-168.144334	D1	12/3/2017	21:00	6/24/2018	8:27	8:27	34.2	1/18/2018 6:00	45.4
TIDBIT	10986141	12/8/2017	29.6	American Samoa	Rose Island	-14.54808	-168.144334	D1	12/3/2017	21:00	6/24/2018	8:27	8:27	34.2	1/18/2018 6:00	45.4
TIDBIT	10986141	12/9/2017	29.4	American Samoa	Rose Island	-14.54808	-168.144334	D1	12/3/2017	21:00	6/24/2018	8:27	8:27	34.2	1/18/2018 6:00	45.4
TIDBIT	10986141	12/10/2017	29.2	American Samoa	Rose Island	-14.54808	-168.144334	D1	12/3/2017	21:00	6/24/2018	8:27	8:27	34.2	1/18/2018 6:00	45.4
TIDBIT	10986141	12/11/2017	29.0	American Samoa	Rose Island	-14.54808	-168.144334	D1	12/3/2017	21:00	6/24/2018	8:27	8:27	34.2	1/18/2018 6:00	45.4
TIDBIT	10986141	12/12/2017	28.9	American Samoa	Rose Island	-14.54808	-168.144334	D1	12/3/2017	21:00	6/24/2018	8:27	8:27	34.2	1/18/2018 6:00	45.4
TIDBIT	10986141	12/13/2017	28.8	American Samoa	Rose Island	-14.54808	-168.144334	D1	12/3/2017	21:00	6/24/2018	8:27	8:27	34.2	1/18/2018 6:00	45.4
TIDBIT	10986141	12/14/2017	28.8	American Samoa	Rose Island	-14.54808	-168.144334	D1	12/3/2017	21:00	6/24/2018	8:27	8:27	34.2	1/18/2018 6:00	45.4
TIDBIT	10986141	12/15/2017	28.9	American Samoa	Rose Island	-14.54808	-168.144334	D1	12/3/2017	21:00	6/24/2018	8:27	8:27	34.2	1/18/2018 6:00	45.4
TIDBIT	10986141	12/16/2017	29.0	American Samoa	Rose Island	-14.54808	-168.144334	D1	12/3/2017	21:00	6/24/2018	8:27	8:27	34.2	1/18/2018 6:00	45.4
TIDBIT	10986141	12/17/2017	29.0	American Samoa	Rose Island	-14.54808	-168.144334	D1	12/3/2017	21:00	6/24/2018	8:27	8:27	34.2	1/18/2018 6:00	45.4
TIDBIT	10986141	12/18/2017	28.9	American Samoa	Rose Island	-14.54808	-168.144334	D1	12/3/2017	21:00	6/24/2018	8:27	8:27	34.2	1/18/2018 6:00	45.4
TIDBIT	10986141	12/19/2017	28.8	American Samoa	Rose Island	-14.54808	-168.144334	D1	12/3/2017	21:00	6/24/2018	8:27	8:27	34.2	1/18/2018 6:00	45.4
TIDBIT	10986141	12/20/2017	28.8	American Samoa	Rose Island	-14.54808	-168.144334	D1	12/3/2017	21:00	6/24/2018	8:27	8:27	34.2	1/18/2018 6:00	45.4
TIDBIT	10986141	12/21/2017	29.0	American Samoa	Rose Island	-14.54808	-168.144334	D1	12/3/2017	21:00	6/24/2018	8:27	8:27	34.2	1/18/2018 6:00	45.4
TIDBIT	10986141	12/22/2017	29.1	American Samoa	Rose Island	-14.54808	-168.144334	D1	12/3/2017	21:00	6/24/2018	8:27	8:27	34.2	1/18/2018 6:00	45.4
TIDBIT	10986141	12/23/2017	29.2	American Samoa	Rose Island	-14.54808	-168.144334	D1	12/3/2017	21:00	6/24/2018	8:27	8:27	34.2	1/18/2018 6:00	45.4
TIDBIT	10986141	12/24/2017	29.3	American Samoa	Rose Island	-14.54808	-168.144334	D1	12/3/2017	21:00	6/24/2018	8:27	8:27	34.2	1/18/2018 6:00	45.4
TIDBIT	10986141	12/25/2017	29.2	American Samoa	Rose Island	-14.54808	-168.144334	D1	12/3/2017	21:00	6/24/2018	8:27	8:27	34.2	1/18/2018 6:00	45.4
TIDBIT	10986141	12/26/2017	29.2	American Samoa	Rose Island	-14.54808	-168.144334	D1	12/3/2017	21:00	6/24/2018	8:27	8:27	34.2	1/18/2018 6:00	45.4
TIDBIT	10986141	12/27/2017	29.2	American Samoa	Rose Island	-14.54808	-168.144334	D1	12/3/2017	21:00	6/24/2018	8:27	8:27	34.2	1/18/2018 6:00	45.4
TIDBIT	10986141	12/28/2017	29.4	American Samoa	Rose Island	-14.54808	-168.144334	D1	12/3/2017	21:00	6/24/2018	8:27	8:27	34.2	1/18/2018 6:00	45.4
TIDBIT	10986141	12/29/2017	29.8	American Samoa	Rose Island	-14.54808	-168.144334	D1	12/3/2017	21:00	6/24/2018	8:27	8:27	34.2	1/18/2018 6:00	45.4
TIDBIT	10986141	12/30/2017	30.0	American Samoa	Rose Island	-14.54808	-168.144334	D1	12/3/2017	21:00	6/24/2018	8:27	8:27	34.2	1/18/2018 6:00	45.4
TIDBIT	10986141	12/31/2017	29.9	American Samoa	Rose Island	-14.54808	-168.144334	D1	12/3/2017	21:00	6/24/2018	8:27	8:27	34.2	1/18/2018 6:00	45.4
TIDBIT	10986141	1/1/2018	29.9	American Samoa	Rose Island	-14.54808	-168.144334	D1	12/3/2017	21:00	6/24/2018	8:27	8:27	34.2	1/18/2018 6:00	45.4
TIDBIT	10986141	1/2/2018	30.2	American Samoa	Rose Island	-14.54808	-168.144334	D1	12/3/2017	21:00	6/24/2018	8:27	8:27	34.2	1/18/2018 6:00	45.4

Supplemental Table 6. Summary of daily average temperatures recorded by temperature data loggers (n=30, HOBO TidbiT) including the logger type, logger number, temperature daily average, region, island, latitutude and longitude of deployment, turtle mototool number, date and time deployed, date and time of excavation, retrieval time of logger, maximum temperature, date and time of maximum temperature, and days to maximum temperature.

TIDBIT	10986141	1/3/2018	30.1	American Samoa	Rose Island	-14.54808	-168.144334	D1	12/3/2017	21:00	6/24/2018	8:27	8:27	34.2	1/18/2018 6:00	45.4
TIDBIT	10986141	1/4/2018	29.9	American Samoa	Rose Island	-14.54808	-168.144334	D1	12/3/2017	21:00	6/24/2018	8:27	8:27	34.2	1/18/2018 6:00	45.4
TIDBIT	10986141	1/5/2018	30.2	American Samoa	Rose Island	-14.54808	-168.144334	D1	12/3/2017	21:00	6/24/2018	8:27	8:27	34.2	1/18/2018 6:00	45.4
TIDBIT	10986141	1/6/2018	30.5	American Samoa	Rose Island	-14.54808	-168.144334	D1	12/3/2017	21:00	6/24/2018	8:27	8:27	34.2	1/18/2018 6:00	45.4
TIDBIT	10986141	1/7/2018	30.8	American Samoa	Rose Island	-14.54808	-168.144334	D1	12/3/2017	21:00	6/24/2018	8:27	8:27	34.2	1/18/2018 6:00	45.4
TIDBIT	10986141	1/8/2018	31.0	American Samoa	Rose Island	-14.54808	-168.144334	D1	12/3/2017	21:00	6/24/2018	8:27	8:27	34.2	1/18/2018 6:00	45.4
TIDBIT	10986141	1/9/2018	31.2	American Samoa	Rose Island	-14.54808	-168.144334	D1	12/3/2017	21:00	6/24/2018	8:27	8:27	34.2	1/18/2018 6:00	45.4
TIDBIT	10986141	1/10/2018	31.3	American Samoa	Rose Island	-14.54808	-168.144334	D1	12/3/2017	21:00	6/24/2018	8:27	8:27	34.2	1/18/2018 6:00	45.4
TIDBIT	10986141	1/11/2018	31.7	American Samoa	Rose Island	-14.54808	-168.144334	D1	12/3/2017	21:00	6/24/2018	8:27	8:27	34.2	1/18/2018 6:00	45.4
TIDBIT	10986141	1/12/2018	32.1	American Samoa	Rose Island	-14.54808	-168.144334	D1	12/3/2017	21:00	6/24/2018	8:27	8:27	34.2	1/18/2018 6:00	45.4
TIDBIT	10986141	1/13/2018	32.5	American Samoa	Rose Island	-14.54808	-168.144334	D1	12/3/2017	21:00	6/24/2018	8:27	8:27	34.2	1/18/2018 6:00	45.4
TIDBIT	10986141	1/14/2018	32.9	American Samoa	Rose Island	-14.54808	-168.144334	D1	12/3/2017	21:00	6/24/2018	8:27	8:27	34.2	1/18/2018 6:00	45.4
TIDBIT	10986141	1/15/2018	33.3	American Samoa	Rose Island	-14.54808	-168.144334	D1	12/3/2017	21:00	6/24/2018	8:27	8:27	34.2	1/18/2018 6:00	45.4
TIDBIT	10986141	1/16/2018	33.7	American Samoa	Rose Island	-14.54808	-168.144334	D1	12/3/2017	21:00	6/24/2018	8:27	8:27	34.2	1/18/2018 6:00	45.4
TIDBIT	10986141	1/17/2018	34.0	American Samoa	Rose Island	-14.54808	-168.144334	D1	12/3/2017	21:00	6/24/2018	8:27	8:27	34.2	1/18/2018 6:00	45.4
TIDBIT	10986141	1/18/2018	34.1	American Samoa	Rose Island	-14.54808	-168.144334	D1	12/3/2017	21:00	6/24/2018	8:27	8:27	34.2	1/18/2018 6:00	45.4
TIDBIT	10986144	12/1/2017	27.3	American Samoa	Rose Island	-14.548247	-168.144277	A1	11/30/2017		6/24/2018	8:07	8:07	32.3	1/17/2018 16:00	48.7
TIDBIT	10986144	12/2/2017	27.3	American Samoa	Rose Island	-14.548247	-168.144277	A1	11/30/2017		6/24/2018	8:07	8:07	32.3	1/17/2018 16:00	48.7
TIDBIT	10986144	12/3/2017	27.5	American Samoa	Rose Island	-14.548247	-168.144277	A1	11/30/2017		6/24/2018	8:07	8:07	32.3	1/17/2018 16:00	48.7
TIDBIT	10986144	12/4/2017	27.8	American Samoa	Rose Island	-14.548247	-168.144277	A1	11/30/2017		6/24/2018	8:07	8:07	32.3	1/17/2018 16:00	48.7
TIDBIT	10986144	12/5/2017	28.2	American Samoa	Rose Island	-14.548247	-168.144277	A1	11/30/2017		6/24/2018	8:07	8:07	32.3	1/17/2018 16:00	48.7
TIDBIT	10986144	12/6/2017	28.6	American Samoa	Rose Island	-14.548247	-168.144277	A1	11/30/2017		6/24/2018	8:07	8:07	32.3	1/17/2018 16:00	48.7
TIDBIT	10986144	12/7/2017	28.8	American Samoa	Rose Island	-14.548247	-168.144277	A1	11/30/2017		6/24/2018	8:07	8:07	32.3	1/17/2018 16:00	48.7
TIDBIT	10986144	12/8/2017	28.6	American Samoa	Rose Island	-14.548247	-168.144277	A1	11/30/2017		6/24/2018	8:07	8:07	32.3	1/17/2018 16:00	48.7
TIDBIT	10986144	12/9/2017	28.3	American Samoa	Rose Island	-14.548247	-168.144277	A1	11/30/2017		6/24/2018	8:07	8:07	32.3	1/17/2018 16:00	48.7
TIDBIT	10986144	12/10/2017	28.0	American Samoa	Rose Island	-14.548247	-168.144277	A1	11/30/2017		6/24/2018	8:07	8:07	32.3	1/17/2018 16:00	48.7
TIDBIT	10986144	12/11/2017	28.0	American Samoa	Rose Island	-14.548247	-168.144277	A1	11/30/2017		6/24/2018	8:07	8:07	32.3	1/17/2018 16:00	48.7
TIDBIT	10986144	12/12/2017	28.0	American Samoa	Rose Island	-14.548247	-168.144277	A1	11/30/2017		6/24/2018	8:07	8:07	32.3	1/17/2018 16:00	48.7
TIDBIT	10986144	12/13/2017	28.0	American Samoa	Rose Island	-14.548247	-168.144277	A1	11/30/2017		6/24/2018	8:07	8:07	32.3	1/17/2018 16:00	48.7
TIDBIT	10986144	12/14/2017	28.2	American Samoa	Rose Island	-14.548247	-168.144277	A1	11/30/2017		6/24/2018	8:07	8:07	32.3	1/17/2018 16:00	48.7
TIDBIT	10986144	12/15/2017	28.2	American Samoa	Rose Island	-14.548247	-168.144277	A1	11/30/2017		6/24/2018	8:07	8:07	32.3	1/17/2018 16:00	48.7
TIDBIT	10986144	12/16/2017	28.1	American Samoa	Rose Island	-14.548247	-168.144277	A1	11/30/2017		6/24/2018	8:07	8:07	32.3	1/17/2018 16:00	48.7
TIDBIT	10986144	12/17/2017	28.0	American Samoa	Rose Island	-14.548247	-168.144277	A1	11/30/2017		6/24/2018	8:07	8:07	32.3	1/17/2018 16:00	48.7
TIDBIT	10986144	12/18/2017	28.0	American Samoa	Rose Island	-14.548247	-168.144277	A1	11/30/2017		6/24/2018	8:07	8:07	32.3	1/17/2018 16:00	48.7
TIDBIT	10986144	12/19/2017	28.0	American Samoa	Rose Island	-14.548247	-168.144277	A1	11/30/2017		6/24/2018	8:07	8:07	32.3	1/17/2018 16:00	48.7
TIDBIT	10986144	12/20/2017	28.3	American Samoa	Rose Island	-14.548247	-168.144277	A1	11/30/2017		6/24/2018	8:07	8:07	32.3	1/17/2018 16:00	48.7
TIDBIT	10986144	12/21/2017	28.6	American Samoa	Rose Island	-14.548247	-168.144277	A1	11/30/2017		6/24/2018	8:07	8:07	32.3	1/17/2018 16:00	48.7
TIDBIT	10986144	12/22/2017	28.9	American Samoa	Rose Island	-14.548247	-168.144277	A1	11/30/2017		6/24/2018	8:07	8:07	32.3	1/17/2018 16:00	48.7
TIDBIT	10986144	12/23/2017	29.2	American Samoa	Rose Island	-14.548247	-168.144277	A1	11/30/2017		6/24/2018	8:07	8:07	32.3	1/17/2018 16:00	48.7
TIDBIT	10986144	12/24/2017	29.4	American Samoa	Rose Island	-14.548247	-168.144277	A1	11/30/2017		6/24/2018	8:07	8:07	32.3	1/17/2018 16:00	48.7
TIDBIT	10986144	12/25/2017	29.4	American Samoa	Rose Island	-14.548247	-168.144277	A1	11/30/2017		6/24/2018	8:07	8:07	32.3	1/17/2018 16:00	48.7
TIDBIT	10986144	12/26/2017	29.4	American Samoa	Rose Island	-14.548247	-168.144277	A1	11/30/2017		6/24/2018	8:07	8:07	32.3	1/17/2018 16:00	48.7
TIDBIT	10986144	12/27/2017	29.6	American Samoa	Rose Island	-14.548247	-168.144277	A1	11/30/2017		6/24/2018	8:07	8:07	32.3	1/17/2018 16:00	48.7
TIDBIT	10986144	12/28/2017	29.8	American Samoa	Rose Island	-14.548247	-168.144277	A1	11/30/2017		6/24/2018	8:07	8:07	32.3	1/17/2018 16:00	48.7
TIDBIT	10986144	12/29/2017	29.9	American Samoa	Rose Island	-14.548247	-168.144277	A1	11/30/2017		6/24/2018	8:07	8:07	32.3	1/17/2018 16:00	48.7
TIDBIT	10986144	12/30/2017	30.0	American Samoa	Rose Island	-14.548247	-168.144277	A1	11/30/2017		6/24/2018	8:07	8:07	32.3	1/17/2018 16:00	48.7
TIDBIT	10986144	12/31/2017	29.8	American Samoa	Rose Island	-14.548247	-168.144277	A1	11/30/2017		6/24/2018	8:07	8:07	32.3	1/17/2018 16:00	48.7
TIDBIT	10986144	1/1/2018	29.7	American Samoa	Rose Island	-14.548247	-168.144277	A1	11/30/2017		6/24/2018	8:07	8:07	32.3	1/17/2018 16:00	48.7
TIDBIT	10986144	1/2/2018	29.8	American Samoa	Rose Island	-14.548247	-168.144277	A1	11/30/2017		6/24/2018	8:07	8:07	32.3	1/17/2018 16:00	48.7
TIDBIT	10986144	1/3/2018	29.7	American Samoa	Rose Island	-14.548247	-168.144277	A1	11/30/2017		6/24/2018	8:07	8:07	32.3	1/17/2018 16:00	48.7
TIDBIT	10986144	1/4/2018	29.5	American Samoa	Rose Island	-14.548247	-168.144277	A1	11/30/2017		6/24/2018	8:07	8:07	32.3	1/17/2018 16:00	48.7
TIDBIT	10986144	1/5/2018	29.8	American Samoa	Rose Island	-14.548247	-168.144277	A1	11/30/2017		6/24/2018	8:07	8:07	32.3	1/17/2018 16:00	48.7
TIDBIT	10986144	1/6/2018	30.0	American Samoa	Rose Island	-14.548247	-168.144277	A1	11/30/2017		6/24/2018	8:07	8:07	32.3	1/17/2018 16:00	48.7
TIDBIT	10986144	1/7/2018	30.2	American Samoa	Rose Island	-14.548247	-168.144277	A1	11/30/2017		6/24/2018	8:07	8:07	32.3	1/17/2018 16:00	48.7
TIDBIT	10986144	1/8/2018	30.1	American Samoa	Rose Island	-14.548247	-168.144277	A1	11/30/2017		6/24/2018	8:07	8:07	32.3	1/17/2018 16:00	48.7

Supplemental Table 6. Summary of daily average temperatures recorded by temperature data loggers (n=30, HOBO TidbiT) including the logger type, logger number, temperature daily average, region, island, latitutude and longitude of deployment, turtle mototool number, date and time deployed, date and time of excavation, retrieval time of logger, maximum temperature, date and time of maximum temperature, and days to maximum temperature.

TIDBIT	10986144	1/9/2018	30.2	American Samoa	Rose Island	-14.548247	-168.144277	A1	11/30/2017		6/24/2018	8:07	8:07	32.3	1/17/2018 16:00	48.7
TIDBIT	10986144	1/10/2018	30.3	American Samoa	Rose Island	-14.548247	-168.144277	A1	11/30/2017		6/24/2018	8:07	8:07	32.3	1/17/2018 16:00	48.7
TIDBIT	10986144	1/11/2018	30.5	American Samoa	Rose Island	-14.548247	-168.144277	A1	11/30/2017		6/24/2018	8:07	8:07	32.3	1/17/2018 16:00	48.7
TIDBIT	10986144	1/12/2018	30.7	American Samoa	Rose Island	-14.548247	-168.144277	A1	11/30/2017		6/24/2018	8:07	8:07	32.3	1/17/2018 16:00	48.7
TIDBIT	10986144	1/13/2018	31.0	American Samoa	Rose Island	-14.548247	-168.144277	A1	11/30/2017		6/24/2018	8:07	8:07	32.3	1/17/2018 16:00	48.7
TIDBIT	10986144	1/14/2018	31.3	American Samoa	Rose Island	-14.548247	-168.144277	A1	11/30/2017		6/24/2018	8:07	8:07	32.3	1/17/2018 16:00	48.7
TIDBIT	10986144	1/15/2018	31.4	American Samoa	Rose Island	-14.548247	-168.144277	A1	11/30/2017		6/24/2018	8:07	8:07	32.3	1/17/2018 16:00	48.7
TIDBIT	10986144	1/16/2018	31.8	American Samoa	Rose Island	-14.548247	-168.144277	A1	11/30/2017		6/24/2018	8:07	8:07	32.3	1/17/2018 16:00	48.7
TIDBIT	10986144	1/17/2018	32.2	American Samoa	Rose Island	-14.548247	-168.144277	A1	11/30/2017		6/24/2018	8:07	8:07	32.3	1/17/2018 16:00	48.7
TIDBIT	10986145	12/5/2017	28.1	American Samoa	Rose Island			B1	12/3/2017	23:10	5/24/2018	8:55	8:55	32.2	1/21/2018 6:00	48.3
TIDBIT	10986145	12/6/2017	28.4	American Samoa	Rose Island			B1	12/3/2017	23:10	5/24/2018	8:55	8:55	32.2	1/21/2018 6:00	48.3
TIDBIT	10986145	12/7/2017	28.6	American Samoa	Rose Island			B1	12/3/2017	23:10	5/24/2018	8:55	8:55	32.2	1/21/2018 6:00	48.3
TIDBIT	10986145	12/8/2017	28.6	American Samoa	Rose Island			B1	12/3/2017	23:10	5/24/2018	8:55	8:55	32.2	1/21/2018 6:00	48.3
TIDBIT	10986145	12/9/2017	28.4	American Samoa	Rose Island			B1	12/3/2017	23:10	5/24/2018	8:55	8:55	32.2	1/21/2018 6:00	48.3
TIDBIT	10986145	12/10/2017	28.3	American Samoa	Rose Island			B1	12/3/2017	23:10	5/24/2018	8:55	8:55	32.2	1/21/2018 6:00	48.3
TIDBIT	10986145	12/11/2017	28.2	American Samoa	Rose Island			B1	12/3/2017	23:10	5/24/2018	8:55	8:55	32.2	1/21/2018 6:00	48.3
TIDBIT	10986145	12/12/2017	28.1	American Samoa	Rose Island			B1	12/3/2017	23:10	5/24/2018	8:55	8:55	32.2	1/21/2018 6:00	48.3
TIDBIT	10986145	12/13/2017	28.1	American Samoa	Rose Island			B1	12/3/2017	23:10	5/24/2018	8:55	8:55	32.2	1/21/2018 6:00	48.3
TIDBIT	10986145	12/14/2017	28.2	American Samoa	Rose Island			B1	12/3/2017	23:10	5/24/2018	8:55	8:55	32.2	1/21/2018 6:00	48.3
TIDBIT	10986145	12/15/2017	28.2	American Samoa	Rose Island			B1	12/3/2017	23:10	5/24/2018	8:55	8:55	32.2	1/21/2018 6:00	48.3
TIDBIT	10986145	12/16/2017	28.2	American Samoa	Rose Island			B1	12/3/2017	23:10	5/24/2018	8:55	8:55	32.2	1/21/2018 6:00	48.3
TIDBIT	10986145	12/17/2017	28.2	American Samoa	Rose Island			B1	12/3/2017	23:10	5/24/2018	8:55	8:55	32.2	1/21/2018 6:00	48.3
TIDBIT	10986145	12/18/2017	28.2	American Samoa	Rose Island			B1	12/3/2017	23:10	5/24/2018	8:55	8:55	32.2	1/21/2018 6:00	48.3
TIDBIT	10986145	12/19/2017	28.2	American Samoa	Rose Island			B1	12/3/2017	23:10	5/24/2018	8:55	8:55	32.2	1/21/2018 6:00	48.3
TIDBIT	10986145	12/20/2017	28.3	American Samoa	Rose Island			B1	12/3/2017	23:10	5/24/2018	8:55	8:55	32.2	1/21/2018 6:00	48.3
TIDBIT	10986145	12/21/2017	28.5	American Samoa	Rose Island			B1	12/3/2017	23:10	5/24/2018	8:55	8:55	32.2	1/21/2018 6:00	48.3
TIDBIT	10986145	12/22/2017	28.6	American Samoa	Rose Island			B1	12/3/2017	23:10	5/24/2018	8:55	8:55	32.2	1/21/2018 6:00	48.3
TIDBIT	10986145	12/23/2017	28.7	American Samoa	Rose Island			B1	12/3/2017	23:10	5/24/2018	8:55	8:55	32.2	1/21/2018 6:00	48.3
TIDBIT	10986145	12/24/2017	28.8	American Samoa	Rose Island			B1	12/3/2017	23:10	5/24/2018	8:55	8:55	32.2	1/21/2018 6:00	48.3
TIDBIT	10986145	12/25/2017	28.8	American Samoa	Rose Island			B1	12/3/2017	23:10	5/24/2018	8:55	8:55	32.2	1/21/2018 6:00	48.3
TIDBIT	10986145	12/26/2017	28.8	American Samoa	Rose Island			B1	12/3/2017	23:10	5/24/2018	8:55	8:55	32.2	1/21/2018 6:00	48.3
TIDBIT	10986145	12/27/2017	28.9	American Samoa	Rose Island			B1	12/3/2017	23:10	5/24/2018	8:55	8:55	32.2	1/21/2018 6:00	48.3
TIDBIT	10986145	12/28/2017	29.0	American Samoa	Rose Island			B1	12/3/2017	23:10	5/24/2018	8:55	8:55	32.2	1/21/2018 6:00	48.3
TIDBIT	10986145	12/29/2017	29.2	American Samoa	Rose Island			B1	12/3/2017	23:10	5/24/2018	8:55	8:55	32.2	1/21/2018 6:00	48.3
TIDBIT	10986145	12/30/2017	29.4	American Samoa	Rose Island			B1	12/3/2017	23:10	5/24/2018	8:55	8:55	32.2	1/21/2018 6:00	48.3
TIDBIT	10986145	12/31/2017	29.3	American Samoa	Rose Island			B1	12/3/2017	23:10	5/24/2018	8:55	8:55	32.2	1/21/2018 6:00	48.3
TIDBIT	10986145	1/1/2018	29.2	American Samoa	Rose Island			B1	12/3/2017	23:10	5/24/2018	8:55	8:55	32.2	1/21/2018 6:00	48.3
TIDBIT	10986145	1/2/2018	29.3	American Samoa	Rose Island			B1	12/3/2017	23:10	5/24/2018	8:55	8:55	32.2	1/21/2018 6:00	48.3
TIDBIT	10986145	1/3/2018	29.3	American Samoa	Rose Island			B1	12/3/2017	23:10	5/24/2018	8:55	8:55	32.2	1/21/2018 6:00	48.3
TIDBIT	10986145	1/4/2018	29.2	American Samoa	Rose Island			B1	12/3/2017	23:10	5/24/2018	8:55	8:55	32.2	1/21/2018 6:00	48.3
TIDBIT	10986145	1/5/2018	29.3	American Samoa	Rose Island			B1	12/3/2017	23:10	5/24/2018	8:55	8:55	32.2	1/21/2018 6:00	48.3
TIDBIT	10986145	1/6/2018	29.5	American Samoa	Rose Island			B1	12/3/2017	23:10	5/24/2018	8:55	8:55	32.2	1/21/2018 6:00	48.3
TIDBIT	10986145	1/7/2018	29.6	American Samoa	Rose Island			B1	12/3/2017	23:10	5/24/2018	8:55	8:55	32.2	1/21/2018 6:00	48.3
TIDBIT	10986145	1/8/2018	29.7	American Samoa	Rose Island			B1	12/3/2017	23:10	5/24/2018	8:55	8:55	32.2	1/21/2018 6:00	48.3
TIDBIT	10986145	1/9/2018	29.8	American Samoa	Rose Island			B1	12/3/2017	23:10	5/24/2018	8:55	8:55	32.2	1/21/2018 6:00	48.3
TIDBIT	10986145	1/10/2018	29.9	American Samoa	Rose Island			B1	12/3/2017	23:10	5/24/2018	8:55	8:55	32.2	1/21/2018 6:00	48.3
TIDBIT	10986145	1/11/2018	30.1	American Samoa	Rose Island			B1	12/3/2017	23:10	5/24/2018	8:55	8:55	32.2	1/21/2018 6:00	48.3
TIDBIT	10986145	1/12/2018	30.4	American Samoa	Rose Island			B1	12/3/2017	23:10	5/24/2018	8:55	8:55	32.2	1/21/2018 6:00	48.3
TIDBIT	10986145	1/13/2018	30.8	American Samoa	Rose Island			B1	12/3/2017	23:10	5/24/2018	8:55	8:55	32.2	1/21/2018 6:00	48.3
TIDBIT	10986145	1/14/2018	31.1	American Samoa	Rose Island			B1	12/3/2017	23:10	5/24/2018	8:55	8:55	32.2	1/21/2018 6:00	48.3
TIDBIT	10986145	1/15/2018	31.3	American Samoa	Rose Island			B1	12/3/2017	23:10	5/24/2018	8:55	8:55	32.2	1/21/2018 6:00	48.3
TIDBIT	10986145	1/16/2018	31.6	American Samoa	Rose Island			B1	12/3/2017	23:10	5/24/2018	8:55	8:55	32.2	1/21/2018 6:00	48.3
TIDBIT	10986145	1/17/2018	32.0	American Samoa	Rose Island			B1	12/3/2017	23:10	5/24/2018	8:55	8:55	32.2	1/21/2018 6:00	48.3
TIDBIT	10986145	1/18/2018	31.8	American Samoa	Rose Island			B1	12/3/2017	23:10	5/24/2018	8:55	8:55	32.2	1/21/2018 6:00	48.3
TIDBIT	10986145	1/19/2018	31.4	American Samoa	Rose Island			B1	12/3/2017	23:10	5/24/2018	8:55	8:55	32.2	1/21/2018 6:00	48.3

Supplemental Table 6. Summary of daily average temperatures recorded by temperature data loggers (n=30, HOBO TidbiT) including the logger type, logger number, temperature daily average, region, island, latitutude and longitude of deployment, turtle mototool number, date and time deployed, date and time of excavation, retrieval time of logger, maximum temperature, date and time of maximum temperature, and days to maximum temperature.

TIDBIT	10986145	1/20/2018	31.8	American Samoa	Rose Island			B1	12/3/2017	23:10	5/24/2018	8:55	8:55	32.2	1/21/2018 6:00	48.3
TIDBIT	10986145	1/21/2018	32.2	American Samoa	Rose Island			B1	12/3/2017	23:10	5/24/2018	8:55	8:55	32.2	1/21/2018 6:00	48.3
TIDBIT	10986155	12/5/2017	29.8	American Samoa	Rose Island	-14.54833	-168.14469	C15	12/3/2017	23:32	10/12/2018	16:17	16:17	33.1	1/17/2018 4:00	44.2
TIDBIT	10986155	12/6/2017	30.8	American Samoa	Rose Island	-14.54833	-168.14469	C15	12/3/2017	23:32	10/12/2018	16:17	16:17	33.1	1/17/2018 4:00	44.2
TIDBIT	10986155	12/7/2017	30.6	American Samoa	Rose Island	-14.54833	-168.14469	C15	12/3/2017	23:32	10/12/2018	16:17	16:17	33.1	1/17/2018 4:00	44.2
TIDBIT	10986155	12/8/2017	29.7	American Samoa	Rose Island	-14.54833	-168.14469	C15	12/3/2017	23:32	10/12/2018	16:17	16:17	33.1	1/17/2018 4:00	44.2
TIDBIT	10986155	12/9/2017	29.3	American Samoa	Rose Island	-14.54833	-168.14469	C15	12/3/2017	23:32	10/12/2018	16:17	16:17	33.1	1/17/2018 4:00	44.2
TIDBIT	10986155	12/10/2017	29.3	American Samoa	Rose Island	-14.54833	-168.14469	C15	12/3/2017	23:32	10/12/2018	16:17	16:17	33.1	1/17/2018 4:00	44.2
TIDBIT	10986155	12/11/2017	29.5	American Samoa	Rose Island	-14.54833	-168.14469	C15	12/3/2017	23:32	10/12/2018	16:17	16:17	33.1	1/17/2018 4:00	44.2
TIDBIT	10986155	12/12/2017	29.5	American Samoa	Rose Island	-14.54833	-168.14469	C15	12/3/2017	23:32	10/12/2018	16:17	16:17	33.1	1/17/2018 4:00	44.2
TIDBIT	10986155	12/13/2017	29.4	American Samoa	Rose Island	-14.54833	-168.14469	C15	12/3/2017	23:32	10/12/2018	16:17	16:17	33.1	1/17/2018 4:00	44.2
TIDBIT	10986155	12/14/2017	30.0	American Samoa	Rose Island	-14.54833	-168.14469	C15	12/3/2017	23:32	10/12/2018	16:17	16:17	33.1	1/17/2018 4:00	44.2
TIDBIT	10986155	12/15/2017	30.0	American Samoa	Rose Island	-14.54833	-168.14469	C15	12/3/2017	23:32	10/12/2018	16:17	16:17	33.1	1/17/2018 4:00	44.2
TIDBIT	10986155	12/16/2017	29.9	American Samoa	Rose Island	-14.54833	-168.14469	C15	12/3/2017	23:32	10/12/2018	16:17	16:17	33.1	1/17/2018 4:00	44.2
TIDBIT	10986155	12/17/2017	29.6	American Samoa	Rose Island	-14.54833	-168.14469	C15	12/3/2017	23:32	10/12/2018	16:17	16:17	33.1	1/17/2018 4:00	44.2
TIDBIT	10986155	12/18/2017	29.3	American Samoa	Rose Island	-14.54833	-168.14469	C15	12/3/2017	23:32	10/12/2018	16:17	16:17	33.1	1/17/2018 4:00	44.2
TIDBIT	10986155	12/19/2017	29.2	American Samoa	Rose Island	-14.54833	-168.14469	C15	12/3/2017	23:32	10/12/2018	16:17	16:17	33.1	1/17/2018 4:00	44.2
TIDBIT	10986155	12/20/2017	29.7	American Samoa	Rose Island	-14.54833	-168.14469	C15	12/3/2017	23:32	10/12/2018	16:17	16:17	33.1	1/17/2018 4:00	44.2
TIDBIT	10986155	12/21/2017	30.0	American Samoa	Rose Island	-14.54833	-168.14469	C15	12/3/2017	23:32	10/12/2018	16:17	16:17	33.1	1/17/2018 4:00	44.2
TIDBIT	10986155	12/22/2017	30.4	American Samoa	Rose Island	-14.54833	-168.14469	C15	12/3/2017	23:32	10/12/2018	16:17	16:17	33.1	1/17/2018 4:00	44.2
TIDBIT	10986155	12/23/2017	30.6	American Samoa	Rose Island	-14.54833	-168.14469	C15	12/3/2017	23:32	10/12/2018	16:17	16:17	33.1	1/17/2018 4:00	44.2
TIDBIT	10986155	12/24/2017	30.7	American Samoa	Rose Island	-14.54833	-168.14469	C15	12/3/2017	23:32	10/12/2018	16:17	16:17	33.1	1/17/2018 4:00	44.2
TIDBIT	10986155	12/25/2017	30.4	American Samoa	Rose Island	-14.54833	-168.14469	C15	12/3/2017	23:32	10/12/2018	16:17	16:17	33.1	1/17/2018 4:00	44.2
TIDBIT	10986155	12/26/2017	30.6	American Samoa	Rose Island	-14.54833	-168.14469	C15	12/3/2017	23:32	10/12/2018	16:17	16:17	33.1	1/17/2018 4:00	44.2
TIDBIT	10986155	12/27/2017	30.8	American Samoa	Rose Island	-14.54833	-168.14469	C15	12/3/2017	23:32	10/12/2018	16:17	16:17	33.1	1/17/2018 4:00	44.2
TIDBIT	10986155	12/28/2017	31.2	American Samoa	Rose Island	-14.54833	-168.14469	C15	12/3/2017	23:32	10/12/2018	16:17	16:17	33.1	1/17/2018 4:00	44.2
TIDBIT	10986155	12/29/2017	31.7	American Samoa	Rose Island	-14.54833	-168.14469	C15	12/3/2017	23:32	10/12/2018	16:17	16:17	33.1	1/17/2018 4:00	44.2
TIDBIT	10986155	12/30/2017	31.7	American Samoa	Rose Island	-14.54833	-168.14469	C15	12/3/2017	23:32	10/12/2018	16:17	16:17	33.1	1/17/2018 4:00	44.2
TIDBIT	10986155	12/31/2017	30.8	American Samoa	Rose Island	-14.54833	-168.14469	C15	12/3/2017	23:32	10/12/2018	16:17	16:17	33.1	1/17/2018 4:00	44.2
TIDBIT	10986155	1/1/2018	31.0	American Samoa	Rose Island	-14.54833	-168.14469	C15	12/3/2017	23:32	10/12/2018	16:17	16:17	33.1	1/17/2018 4:00	44.2
TIDBIT	10986155	1/2/2018	31.3	American Samoa	Rose Island	-14.54833	-168.14469	C15	12/3/2017	23:32	10/12/2018	16:17	16:17	33.1	1/17/2018 4:00	44.2
TIDBIT	10986155	1/3/2018	30.9	American Samoa	Rose Island	-14.54833	-168.14469	C15	12/3/2017	23:32	10/12/2018	16:17	16:17	33.1	1/17/2018 4:00	44.2
TIDBIT	10986155	1/4/2018	30.3	American Samoa	Rose Island	-14.54833	-168.14469	C15	12/3/2017	23:32	10/12/2018	16:17	16:17	33.1	1/17/2018 4:00	44.2
TIDBIT	10986155	1/5/2018	30.7	American Samoa	Rose Island	-14.54833	-168.14469	C15	12/3/2017	23:32	10/12/2018	16:17	16:17	33.1	1/17/2018 4:00	44.2
TIDBIT	10986155	1/6/2018	30.9	American Samoa	Rose Island	-14.54833	-168.14469	C15	12/3/2017	23:32	10/12/2018	16:17	16:17	33.1	1/17/2018 4:00	44.2
TIDBIT	10986155	1/7/2018	31.0	American Samoa	Rose Island	-14.54833	-168.14469	C15	12/3/2017	23:32	10/12/2018	16:17	16:17	33.1	1/17/2018 4:00	44.2
TIDBIT	10986155	1/8/2018	31.0	American Samoa	Rose Island	-14.54833	-168.14469	C15	12/3/2017	23:32	10/12/2018	16:17	16:17	33.1	1/17/2018 4:00	44.2
TIDBIT	10986155	1/9/2018	30.8	American Samoa	Rose Island	-14.54833	-168.14469	C15	12/3/2017	23:32	10/12/2018	16:17	16:17	33.1	1/17/2018 4:00	44.2
TIDBIT	10986155	1/10/2018	30.6	American Samoa	Rose Island	-14.54833	-168.14469	C15	12/3/2017	23:32	10/12/2018	16:17	16:17	33.1	1/17/2018 4:00	44.2
TIDBIT	10986155	1/11/2018	30.9	American Samoa	Rose Island	-14.54833	-168.14469	C15	12/3/2017	23:32	10/12/2018	16:17	16:17	33.1	1/17/2018 4:00	44.2
TIDBIT	10986155	1/12/2018	31.0	American Samoa	Rose Island	-14.54833	-168.14469	C15	12/3/2017	23:32	10/12/2018	16:17	16:17	33.1	1/17/2018 4:00	44.2
TIDBIT	10986155	1/13/2018	31.6	American Samoa	Rose Island	-14.54833	-168.14469	C15	12/3/2017	23:32	10/12/2018	16:17	16:17	33.1	1/17/2018 4:00	44.2
TIDBIT	10986155	1/14/2018	32.0	American Samoa	Rose Island	-14.54833	-168.14469	C15	12/3/2017	23:32	10/12/2018	16:17	16:17	33.1	1/17/2018 4:00	44.2
TIDBIT	10986155	1/15/2018	32.5	American Samoa	Rose Island	-14.54833	-168.14469	C15	12/3/2017	23:32	10/12/2018	16:17	16:17	33.1	1/17/2018 4:00	44.2
TIDBIT	10986155	1/16/2018	32.8	American Samoa	Rose Island	-14.54833	-168.14469	C15	12/3/2017	23:32	10/12/2018	16:17	16:17	33.1	1/17/2018 4:00	44.2
TIDBIT	10986155	1/17/2018	33.0	American Samoa	Rose Island	-14.54833	-168.14469	C15	12/3/2017	23:32	10/12/2018	16:17	16:17	33.1	1/17/2018 4:00	44.2
TIDBIT	10986157	12/3/2017	29.0	American Samoa	Rose Island	-14.548081	-168.144196	B5	12/1/2017	22:34	6/23/2018	16:48	16:48	33.7	1/17/2018 6:00	46.3
TIDBIT	10986157	12/4/2017	29.1	American Samoa	Rose Island	-14.548081	-168.144196	B5	12/1/2017	22:34	6/23/2018	16:48	16:48	33.7	1/17/2018 6:00	46.3
TIDBIT	10986157	12/5/2017	29.3	American Samoa	Rose Island	-14.548081	-168.144196	B5	12/1/2017	22:34	6/23/2018	16:48	16:48	33.7	1/17/2018 6:00	46.3
TIDBIT	10986157	12/6/2017	29.5	American Samoa	Rose Island	-14.548081	-168.144196	B5	12/1/2017	22:34	6/23/2018	16:48	16:48	33.7	1/17/2018 6:00	46.3
TIDBIT	10986157	12/7/2017	29.7	American Samoa	Rose Island	-14.548081	-168.144196	B5	12/1/2017	22:34	6/23/2018	16:48	16:48	33.7	1/17/2018 6:00	46.3
TIDBIT	10986157	12/8/2017	29.8	American Samoa	Rose Island	-14.548081	-168.144196	B5	12/1/2017	22:34	6/23/2018	16:48	16:48	33.7	1/17/2018 6:00	46.3
TIDBIT	10986157	12/9/2017	29.6	American Samoa	Rose Island	-14.548081	-168.144196	B5	12/1/2017	22:34	6/23/2018	16:48	16:48	33.7	1/17/2018 6:00	46.3
TIDBIT	10986157	12/10/2017	29.5	American Samoa	Rose Island	-14.548081	-168.144196	B5	12/1/2017	22:34	6/23/2018	16:48	16:48	33.7	1/17/2018 6:00	46.3
TIDBIT	10986157	12/11/2017	29.3	American Samoa	Rose Island	-14.548081	-168.144196	B5	12/1/2017	22:34	6/23/2018	16:48	16:48	33.7	1/17/2018 6:00	46.3

Supplemental Table 6. Summary of daily average temperatures recorded by temperature data loggers (n=30, HOBO TidbiT) including the logger type, logger number, temperature daily average, region, island, latitutude and longitude of deployment, turtle mototool number, date and time deployed, date and time of excavation, retrieval time of logger, maximum temperature, date and time of maximum temperature, and days to maximum temperature.

TIDBIT	10986157	12/12/2017	29.2	American Samoa	Rose Island	-14.548081	-168.144196	B5	12/1/2017	22:34	6/23/2018	16:48	16:48	33.7	1/17/2018 6:00	46.3
TIDBIT	10986157	12/13/2017	29.2	American Samoa	Rose Island	-14.548081	-168.144196	B5	12/1/2017	22:34	6/23/2018	16:48	16:48	33.7	1/17/2018 6:00	46.3
TIDBIT	10986157	12/14/2017	29.3	American Samoa	Rose Island	-14.548081	-168.144196	B5	12/1/2017	22:34	6/23/2018	16:48	16:48	33.7	1/17/2018 6:00	46.3
TIDBIT	10986157	12/15/2017	29.4	American Samoa	Rose Island	-14.548081	-168.144196	B5	12/1/2017	22:34	6/23/2018	16:48	16:48	33.7	1/17/2018 6:00	46.3
TIDBIT	10986157	12/16/2017	29.4	American Samoa	Rose Island	-14.548081	-168.144196	B5	12/1/2017	22:34	6/23/2018	16:48	16:48	33.7	1/17/2018 6:00	46.3
TIDBIT	10986157	12/17/2017	29.4	American Samoa	Rose Island	-14.548081	-168.144196	B5	12/1/2017	22:34	6/23/2018	16:48	16:48	33.7	1/17/2018 6:00	46.3
TIDBIT	10986157	12/18/2017	29.3	American Samoa	Rose Island	-14.548081	-168.144196	B5	12/1/2017	22:34	6/23/2018	16:48	16:48	33.7	1/17/2018 6:00	46.3
TIDBIT	10986157	12/19/2017	29.2	American Samoa	Rose Island	-14.548081	-168.144196	B5	12/1/2017	22:34	6/23/2018	16:48	16:48	33.7	1/17/2018 6:00	46.3
TIDBIT	10986157	12/20/2017	29.2	American Samoa	Rose Island	-14.548081	-168.144196	B5	12/1/2017	22:34	6/23/2018	16:48	16:48	33.7	1/17/2018 6:00	46.3
TIDBIT	10986157	12/21/2017	29.3	American Samoa	Rose Island	-14.548081	-168.144196	B5	12/1/2017	22:34	6/23/2018	16:48	16:48	33.7	1/17/2018 6:00	46.3
TIDBIT	10986157	12/22/2017	29.4	American Samoa	Rose Island	-14.548081	-168.144196	B5	12/1/2017	22:34	6/23/2018	16:48	16:48	33.7	1/17/2018 6:00	46.3
TIDBIT	10986157	12/23/2017	29.6	American Samoa	Rose Island	-14.548081	-168.144196	B5	12/1/2017	22:34	6/23/2018	16:48	16:48	33.7	1/17/2018 6:00	46.3
TIDBIT	10986157	12/24/2017	29.8	American Samoa	Rose Island	-14.548081	-168.144196	B5	12/1/2017	22:34	6/23/2018	16:48	16:48	33.7	1/17/2018 6:00	46.3
TIDBIT	10986157	12/25/2017	29.9	American Samoa	Rose Island	-14.548081	-168.144196	B5	12/1/2017	22:34	6/23/2018	16:48	16:48	33.7	1/17/2018 6:00	46.3
TIDBIT	10986157	12/26/2017	29.9	American Samoa	Rose Island	-14.548081	-168.144196	B5	12/1/2017	22:34	6/23/2018	16:48	16:48	33.7	1/17/2018 6:00	46.3
TIDBIT	10986157	12/27/2017	30.0	American Samoa	Rose Island	-14.548081	-168.144196	B5	12/1/2017	22:34	6/23/2018	16:48	16:48	33.7	1/17/2018 6:00	46.3
TIDBIT	10986157	12/28/2017	30.2	American Samoa	Rose Island	-14.548081	-168.144196	B5	12/1/2017	22:34	6/23/2018	16:48	16:48	33.7	1/17/2018 6:00	46.3
TIDBIT	10986157	12/29/2017	30.4	American Samoa	Rose Island	-14.548081	-168.144196	B5	12/1/2017	22:34	6/23/2018	16:48	16:48	33.7	1/17/2018 6:00	46.3
TIDBIT	10986157	12/30/2017	30.6	American Samoa	Rose Island	-14.548081	-168.144196	B5	12/1/2017	22:34	6/23/2018	16:48	16:48	33.7	1/17/2018 6:00	46.3
TIDBIT	10986157	12/31/2017	30.7	American Samoa	Rose Island	-14.548081	-168.144196	B5	12/1/2017	22:34	6/23/2018	16:48	16:48	33.7	1/17/2018 6:00	46.3
TIDBIT	10986157	1/1/2018	30.7	American Samoa	Rose Island	-14.548081	-168.144196	B5	12/1/2017	22:34	6/23/2018	16:48	16:48	33.7	1/17/2018 6:00	46.3
TIDBIT	10986157	1/2/2018	30.9	American Samoa	Rose Island	-14.548081	-168.144196	B5	12/1/2017	22:34	6/23/2018	16:48	16:48	33.7	1/17/2018 6:00	46.3
TIDBIT	10986157	1/3/2018	31.0	American Samoa	Rose Island	-14.548081	-168.144196	B5	12/1/2017	22:34	6/23/2018	16:48	16:48	33.7	1/17/2018 6:00	46.3
TIDBIT	10986157	1/4/2018	31.0	American Samoa	Rose Island	-14.548081	-168.144196	B5	12/1/2017	22:34	6/23/2018	16:48	16:48	33.7	1/17/2018 6:00	46.3
TIDBIT	10986157	1/5/2018	31.2	American Samoa	Rose Island	-14.548081	-168.144196	B5	12/1/2017	22:34	6/23/2018	16:48	16:48	33.7	1/17/2018 6:00	46.3
TIDBIT	10986157	1/6/2018	31.5	American Samoa	Rose Island	-14.548081	-168.144196	B5	12/1/2017	22:34	6/23/2018	16:48	16:48	33.7	1/17/2018 6:00	46.3
TIDBIT	10986157	1/7/2018	31.8	American Samoa	Rose Island	-14.548081	-168.144196	B5	12/1/2017	22:34	6/23/2018	16:48	16:48	33.7	1/17/2018 6:00	46.3
TIDBIT	10986157	1/8/2018	32.0	American Samoa	Rose Island	-14.548081	-168.144196	B5	12/1/2017	22:34	6/23/2018	16:48	16:48	33.7	1/17/2018 6:00	46.3
TIDBIT	10986157	1/9/2018	32.2	American Samoa	Rose Island	-14.548081	-168.144196	B5	12/1/2017	22:34	6/23/2018	16:48	16:48	33.7	1/17/2018 6:00	46.3
TIDBIT	10986157	1/10/2018	32.3	American Samoa	Rose Island	-14.548081	-168.144196	B5	12/1/2017	22:34	6/23/2018	16:48	16:48	33.7	1/17/2018 6:00	46.3
TIDBIT	10986157	1/11/2018	32.5	American Samoa	Rose Island	-14.548081	-168.144196	B5	12/1/2017	22:34	6/23/2018	16:48	16:48	33.7	1/17/2018 6:00	46.3
TIDBIT	10986157	1/12/2018	32.7	American Samoa	Rose Island	-14.548081	-168.144196	B5	12/1/2017	22:34	6/23/2018	16:48	16:48	33.7	1/17/2018 6:00	46.3
TIDBIT	10986157	1/13/2018	32.9	American Samoa	Rose Island	-14.548081	-168.144196	B5	12/1/2017	22:34	6/23/2018	16:48	16:48	33.7	1/17/2018 6:00	46.3
TIDBIT	10986157	1/14/2018	33.2	American Samoa	Rose Island	-14.548081	-168.144196	B5	12/1/2017	22:34	6/23/2018	16:48	16:48	33.7	1/17/2018 6:00	46.3
TIDBIT	10986157	1/15/2018	33.4	American Samoa	Rose Island	-14.548081	-168.144196	B5	12/1/2017	22:34	6/23/2018	16:48	16:48	33.7	1/17/2018 6:00	46.3
TIDBIT	10986157	1/16/2018	33.5	American Samoa	Rose Island	-14.548081	-168.144196	B5	12/1/2017	22:34	6/23/2018	16:48	16:48	33.7	1/17/2018 6:00	46.3
TIDBIT	10986157	1/17/2018	33.6	American Samoa	Rose Island	-14.548081	-168.144196	B5	12/1/2017	22:34	6/23/2018	16:48	16:48	33.7	1/17/2018 6:00	46.3
TIDBIT	20304390	12/7/2019	29.7	American Samoa	Rose Island	-14.545901	-168.144411	B6	12/6/2019	3:15	3/20/2024	7:50	7:50	32.6	1/29/2020 14:00	54.4
TIDBIT	20304390	12/8/2019	30.0	American Samoa	Rose Island	-14.545901	-168.144411	B6	12/6/2019	3:15	3/20/2024	7:50	7:50	32.6	1/29/2020 14:00	54.4
TIDBIT	20304390	12/9/2019	29.7	American Samoa	Rose Island	-14.545901	-168.144411	B6	12/6/2019	3:15	3/20/2024	7:50	7:50	32.6	1/29/2020 14:00	54.4
TIDBIT	20304390	12/10/2019	29.5	American Samoa	Rose Island	-14.545901	-168.144411	B6	12/6/2019	3:15	3/20/2024	7:50	7:50	32.6	1/29/2020 14:00	54.4
TIDBIT	20304390	12/11/2019	29.4	American Samoa	Rose Island	-14.545901	-168.144411	B6	12/6/2019	3:15	3/20/2024	7:50	7:50	32.6	1/29/2020 14:00	54.4
TIDBIT	20304390	12/12/2019	29.4	American Samoa	Rose Island	-14.545901	-168.144411	B6	12/6/2019	3:15	3/20/2024	7:50	7:50	32.6	1/29/2020 14:00	54.4
TIDBIT	20304390	12/13/2019	29.3	American Samoa	Rose Island	-14.545901	-168.144411	B6	12/6/2019	3:15	3/20/2024	7:50	7:50	32.6	1/29/2020 14:00	54.4
TIDBIT	20304390	12/14/2019	29.4	American Samoa	Rose Island	-14.545901	-168.144411	B6	12/6/2019	3:15	3/20/2024	7:50	7:50	32.6	1/29/2020 14:00	54.4
TIDBIT	20304390	12/15/2019	29.4	American Samoa	Rose Island	-14.545901	-168.144411	B6	12/6/2019	3:15	3/20/2024	7:50	7:50	32.6	1/29/2020 14:00	54.4
TIDBIT	20304390	12/16/2019	29.1	American Samoa	Rose Island	-14.545901	-168.144411	B6	12/6/2019	3:15	3/20/2024	7:50	7:50	32.6	1/29/2020 14:00	54.4
TIDBIT	20304390	12/17/2019	29.0	American Samoa	Rose Island	-14.545901	-168.144411	B6	12/6/2019	3:15	3/20/2024	7:50	7:50	32.6	1/29/2020 14:00	54.4
TIDBIT	20304390	12/18/2019	29.0	American Samoa	Rose Island	-14.545901	-168.144411	B6	12/6/2019	3:15	3/20/2024	7:50	7:50	32.6	1/29/2020 14:00	54.4
TIDBIT	20304390	12/19/2019	28.5	American Samoa	Rose Island	-14.545901	-168.144411	B6	12/6/2019	3:15	3/20/2024	7:50	7:50	32.6	1/29/2020 14:00	54.4
TIDBIT	20304390	12/20/2019	28.3	American Samoa	Rose Island	-14.545901	-168.144411	B6	12/6/2019	3:15	3/20/2024	7:50	7:50	32.6	1/29/2020 14:00	54.4
TIDBIT	20304390	12/21/2019	28.5	American Samoa	Rose Island	-14.545901	-168.144411	B6	12/6/2019	3:15	3/20/2024	7:50	7:50	32.6	1/29/2020 14:00	54.4
TIDBIT	20304390	12/22/2019	28.8	American Samoa	Rose Island	-14.545901	-168.144411	B6	12/6/2019	3:15	3/20/2024	7:50	7:50	32.6	1/29/2020 14:00	54.4
TIDBIT	20304390	12/23/2019	28.8	American Samoa	Rose Island	-14.545901	-168.144411	B6	12/6/2019	3:15	3/20/2024	7:50	7:50	32.6	1/29/2020 14:00	54.4
TIDBIT	20304390	12/24/2019	28.3	American Samoa	Rose Island	-14.545901	-168.144411	B6	12/6/2019	3:15	3/20/2024	7:50	7:50	32.6	1/29/2020 14:00	54.4

Supplemental Table 6. Summary of daily average temperatures recorded by temperature data loggers (n=30, HOBO TidbiT) including the logger type, logger number, temperature daily average, region, island, latitutde and longitude of deployment, turtle mototool number, date and time deployed, date and time of excavation, retrieval time of logger, maximum temperature, date and time of maximum temperature, and days to maximum temperature.

TIDBIT	20304390	12/25/2019	28.3	American Samoa	Rose Island	-14.545901	-168.144411	B6	12/6/2019	3:15	3/20/2024	7:50	7:50	32.6	1/29/2020 14:00	54.4
TIDBIT	20304390	12/26/2019	28.5	American Samoa	Rose Island	-14.545901	-168.144411	B6	12/6/2019	3:15	3/20/2024	7:50	7:50	32.6	1/29/2020 14:00	54.4
TIDBIT	20304390	12/27/2019	28.7	American Samoa	Rose Island	-14.545901	-168.144411	B6	12/6/2019	3:15	3/20/2024	7:50	7:50	32.6	1/29/2020 14:00	54.4
TIDBIT	20304390	12/28/2019	28.9	American Samoa	Rose Island	-14.545901	-168.144411	B6	12/6/2019	3:15	3/20/2024	7:50	7:50	32.6	1/29/2020 14:00	54.4
TIDBIT	20304390	12/29/2019	29.1	American Samoa	Rose Island	-14.545901	-168.144411	B6	12/6/2019	3:15	3/20/2024	7:50	7:50	32.6	1/29/2020 14:00	54.4
TIDBIT	20304390	12/30/2019	29.2	American Samoa	Rose Island	-14.545901	-168.144411	B6	12/6/2019	3:15	3/20/2024	7:50	7:50	32.6	1/29/2020 14:00	54.4
TIDBIT	20304390	12/31/2019	29.3	American Samoa	Rose Island	-14.545901	-168.144411	B6	12/6/2019	3:15	3/20/2024	7:50	7:50	32.6	1/29/2020 14:00	54.4
TIDBIT	20304390	1/1/2020	29.3	American Samoa	Rose Island	-14.545901	-168.144411	B6	12/6/2019	3:15	3/20/2024	7:50	7:50	32.6	1/29/2020 14:00	54.4
TIDBIT	20304390	1/2/2020	29.5	American Samoa	Rose Island	-14.545901	-168.144411	B6	12/6/2019	3:15	3/20/2024	7:50	7:50	32.6	1/29/2020 14:00	54.4
TIDBIT	20304390	1/3/2020	29.6	American Samoa	Rose Island	-14.545901	-168.144411	B6	12/6/2019	3:15	3/20/2024	7:50	7:50	32.6	1/29/2020 14:00	54.4
TIDBIT	20304390	1/4/2020	29.6	American Samoa	Rose Island	-14.545901	-168.144411	B6	12/6/2019	3:15	3/20/2024	7:50	7:50	32.6	1/29/2020 14:00	54.4
TIDBIT	20304390	1/5/2020	29.3	American Samoa	Rose Island	-14.545901	-168.144411	B6	12/6/2019	3:15	3/20/2024	7:50	7:50	32.6	1/29/2020 14:00	54.4
TIDBIT	20304390	1/6/2020	29.3	American Samoa	Rose Island	-14.545901	-168.144411	B6	12/6/2019	3:15	3/20/2024	7:50	7:50	32.6	1/29/2020 14:00	54.4
TIDBIT	20304390	1/7/2020	29.5	American Samoa	Rose Island	-14.545901	-168.144411	B6	12/6/2019	3:15	3/20/2024	7:50	7:50	32.6	1/29/2020 14:00	54.4
TIDBIT	20304390	1/8/2020	29.7	American Samoa	Rose Island	-14.545901	-168.144411	B6	12/6/2019	3:15	3/20/2024	7:50	7:50	32.6	1/29/2020 14:00	54.4
TIDBIT	20304390	1/9/2020	30.1	American Samoa	Rose Island	-14.545901	-168.144411	B6	12/6/2019	3:15	3/20/2024	7:50	7:50	32.6	1/29/2020 14:00	54.4
TIDBIT	20304390	1/10/2020	30.4	American Samoa	Rose Island	-14.545901	-168.144411	B6	12/6/2019	3:15	3/20/2024	7:50	7:50	32.6	1/29/2020 14:00	54.4
TIDBIT	20304390	1/11/2020	30.7	American Samoa	Rose Island	-14.545901	-168.144411	B6	12/6/2019	3:15	3/20/2024	7:50	7:50	32.6	1/29/2020 14:00	54.4
TIDBIT	20304390	1/12/2020	30.9	American Samoa	Rose Island	-14.545901	-168.144411	B6	12/6/2019	3:15	3/20/2024	7:50	7:50	32.6	1/29/2020 14:00	54.4
TIDBIT	20304390	1/13/2020	31.0	American Samoa	Rose Island	-14.545901	-168.144411	B6	12/6/2019	3:15	3/20/2024	7:50	7:50	32.6	1/29/2020 14:00	54.4
TIDBIT	20304390	1/14/2020	30.9	American Samoa	Rose Island	-14.545901	-168.144411	B6	12/6/2019	3:15	3/20/2024	7:50	7:50	32.6	1/29/2020 14:00	54.4
TIDBIT	20304390	1/15/2020	30.6	American Samoa	Rose Island	-14.545901	-168.144411	B6	12/6/2019	3:15	3/20/2024	7:50	7:50	32.6	1/29/2020 14:00	54.4
TIDBIT	20304390	1/16/2020	30.7	American Samoa	Rose Island	-14.545901	-168.144411	B6	12/6/2019	3:15	3/20/2024	7:50	7:50	32.6	1/29/2020 14:00	54.4
TIDBIT	20304390	1/17/2020	30.7	American Samoa	Rose Island	-14.545901	-168.144411	B6	12/6/2019	3:15	3/20/2024	7:50	7:50	32.6	1/29/2020 14:00	54.4
TIDBIT	20304390	1/18/2020	30.6	American Samoa	Rose Island	-14.545901	-168.144411	B6	12/6/2019	3:15	3/20/2024	7:50	7:50	32.6	1/29/2020 14:00	54.4
TIDBIT	20304390	1/19/2020	30.7	American Samoa	Rose Island	-14.545901	-168.144411	B6	12/6/2019	3:15	3/20/2024	7:50	7:50	32.6	1/29/2020 14:00	54.4
TIDBIT	20304390	1/20/2020	30.4	American Samoa	Rose Island	-14.545901	-168.144411	B6	12/6/2019	3:15	3/20/2024	7:50	7:50	32.6	1/29/2020 14:00	54.4
TIDBIT	20304390	1/21/2020	30.1	American Samoa	Rose Island	-14.545901	-168.144411	B6	12/6/2019	3:15	3/20/2024	7:50	7:50	32.6	1/29/2020 14:00	54.4
TIDBIT	20304390	1/22/2020	29.9	American Samoa	Rose Island	-14.545901	-168.144411	B6	12/6/2019	3:15	3/20/2024	7:50	7:50	32.6	1/29/2020 14:00	54.4
TIDBIT	20304390	1/23/2020	30.0	American Samoa	Rose Island	-14.545901	-168.144411	B6	12/6/2019	3:15	3/20/2024	7:50	7:50	32.6	1/29/2020 14:00	54.4
TIDBIT	20304390	1/24/2020	30.0	American Samoa	Rose Island	-14.545901	-168.144411	B6	12/6/2019	3:15	3/20/2024	7:50	7:50	32.6	1/29/2020 14:00	54.4
TIDBIT	20304390	1/25/2020	30.0	American Samoa	Rose Island	-14.545901	-168.144411	B6	12/6/2019	3:15	3/20/2024	7:50	7:50	32.6	1/29/2020 14:00	54.4
TIDBIT	20304390	1/26/2020	30.1	American Samoa	Rose Island	-14.545901	-168.144411	B6	12/6/2019	3:15	3/20/2024	7:50	7:50	32.6	1/29/2020 14:00	54.4
TIDBIT	20304390	1/27/2020	30.6	American Samoa	Rose Island	-14.545901	-168.144411	B6	12/6/2019	3:15	3/20/2024	7:50	7:50	32.6	1/29/2020 14:00	54.4
TIDBIT	20304390	1/28/2020	31.4	American Samoa	Rose Island	-14.545901	-168.144411	B6	12/6/2019	3:15	3/20/2024	7:50	7:50	32.6	1/29/2020 14:00	54.4
TIDBIT	20304390	1/29/2020	32.3	American Samoa	Rose Island	-14.545901	-168.144411	B6	12/6/2019	3:15	3/20/2024	7:50	7:50	32.6	1/29/2020 14:00	54.4
TIDBIT	20304391	11/4/2019	28.6	American Samoa	Rose Island			B3	11/2/2019	22:30	3/20/2023	13:10	13:10	31.8	12/15/2019 2:00	42.1
TIDBIT	20304391	11/5/2019	27.7	American Samoa	Rose Island			B3	11/2/2019	22:30	3/20/2023	13:10	13:10	31.8	12/15/2019 2:00	42.1
TIDBIT	20304391	11/6/2019	27.4	American Samoa	Rose Island			B3	11/2/2019	22:30	3/20/2023	13:10	13:10	31.8	12/15/2019 2:00	42.1
TIDBIT	20304391	11/7/2019	27.6	American Samoa	Rose Island			B3	11/2/2019	22:30	3/20/2023	13:10	13:10	31.8	12/15/2019 2:00	42.1
TIDBIT	20304391	11/8/2019	28.0	American Samoa	Rose Island			B3	11/2/2019	22:30	3/20/2023	13:10	13:10	31.8	12/15/2019 2:00	42.1
TIDBIT	20304391	11/9/2019	28.4	American Samoa	Rose Island			B3	11/2/2019	22:30	3/20/2023	13:10	13:10	31.8	12/15/2019 2:00	42.1
TIDBIT	20304391	11/10/2019	28.7	American Samoa	Rose Island			B3	11/2/2019	22:30	3/20/2023	13:10	13:10	31.8	12/15/2019 2:00	42.1
TIDBIT	20304391	11/11/2019	29.0	American Samoa	Rose Island			B3	11/2/2019	22:30	3/20/2023	13:10	13:10	31.8	12/15/2019 2:00	42.1
TIDBIT	20304391	11/12/2019	29.2	American Samoa	Rose Island			B3	11/2/2019	22:30	3/20/2023	13:10	13:10	31.8	12/15/2019 2:00	42.1
TIDBIT	20304391	11/13/2019	29.5	American Samoa	Rose Island			B3	11/2/2019	22:30	3/20/2023	13:10	13:10	31.8	12/15/2019 2:00	42.1
TIDBIT	20304391	11/14/2019	29.7	American Samoa	Rose Island			B3	11/2/2019	22:30	3/20/2023	13:10	13:10	31.8	12/15/2019 2:00	42.1
TIDBIT	20304391	11/15/2019	29.9	American Samoa	Rose Island			B3	11/2/2019	22:30	3/20/2023	13:10	13:10	31.8	12/15/2019 2:00	42.1
TIDBIT	20304391	11/16/2019	30.0	American Samoa	Rose Island			B3	11/2/2019	22:30	3/20/2023	13:10	13:10	31.8	12/15/2019 2:00	42.1
TIDBIT	20304391	11/17/2019	30.2	American Samoa	Rose Island			B3	11/2/2019	22:30	3/20/2023	13:10	13:10	31.8	12/15/2019 2:00	42.1
TIDBIT	20304391	11/18/2019	30.4	American Samoa	Rose Island			B3	11/2/2019	22:30	3/20/2023	13:10	13:10	31.8	12/15/2019 2:00	42.1
TIDBIT	20304391	11/19/2019	30.7	American Samoa	Rose Island			B3	11/2/2019	22:30	3/20/2023	13:10	13:10	31.8	12/15/2019 2:00	42.1
TIDBIT	20304391	11/20/2019	30.6	American Samoa	Rose Island			B3	11/2/2019	22:30	3/20/2023	13:10	13:10	31.8	12/15/2019 2:00	42.1
TIDBIT	20304391	11/21/2019	30.6	American Samoa	Rose Island			B3	11/2/2019	22:30	3/20/2023	13:10	13:10	31.8	12/15/2019 2:00	42.1
TIDBIT	20304391	11/22/2019	30.7	American Samoa	Rose Island			B3	11/2/2019	22:30	3/20/2023	13:10	13:10	31.8	12/15/2019 2:00	42.1

Supplemental Table 6. Summary of daily average temperatures recorded by temperature data loggers (n=30, HOBO TidbiT) including the logger type, logger number, temperature daily average, region, island, latitutude and longitude of deployment, turtle mototool number, date and time deployed, date and time of excavation, retrieval time of logger, maximum temperature, date and time of maximum temperature, and days to maximum temperature.

TIDBIT	20304391	11/23/2019	30.4	American Samoa	Rose Island			B3	11/2/2019	22:30	3/20/2023	13:10	13:10	31.8	12/15/2019 2:00	42.1
TIDBIT	20304391	11/24/2019	30.2	American Samoa	Rose Island			B3	11/2/2019	22:30	3/20/2023	13:10	13:10	31.8	12/15/2019 2:00	42.1
TIDBIT	20304391	11/25/2019	30.3	American Samoa	Rose Island			B3	11/2/2019	22:30	3/20/2023	13:10	13:10	31.8	12/15/2019 2:00	42.1
TIDBIT	20304391	11/26/2019	30.6	American Samoa	Rose Island			B3	11/2/2019	22:30	3/20/2023	13:10	13:10	31.8	12/15/2019 2:00	42.1
TIDBIT	20304391	11/27/2019	30.6	American Samoa	Rose Island			B3	11/2/2019	22:30	3/20/2023	13:10	13:10	31.8	12/15/2019 2:00	42.1
TIDBIT	20304391	11/28/2019	30.7	American Samoa	Rose Island			B3	11/2/2019	22:30	3/20/2023	13:10	13:10	31.8	12/15/2019 2:00	42.1
TIDBIT	20304391	11/29/2019	30.9	American Samoa	Rose Island			B3	11/2/2019	22:30	3/20/2023	13:10	13:10	31.8	12/15/2019 2:00	42.1
TIDBIT	20304391	11/30/2019	30.4	American Samoa	Rose Island			B3	11/2/2019	22:30	3/20/2023	13:10	13:10	31.8	12/15/2019 2:00	42.1
TIDBIT	20304391	12/1/2019	28.2	American Samoa	Rose Island			B3	11/2/2019	22:30	3/20/2023	13:10	13:10	31.8	12/15/2019 2:00	42.1
TIDBIT	20304391	12/2/2019	28.7	American Samoa	Rose Island			B3	11/2/2019	22:30	3/20/2023	13:10	13:10	31.8	12/15/2019 2:00	42.1
TIDBIT	20304391	12/3/2019	29.2	American Samoa	Rose Island			B3	11/2/2019	22:30	3/20/2023	13:10	13:10	31.8	12/15/2019 2:00	42.1
TIDBIT	20304391	12/4/2019	29.6	American Samoa	Rose Island			B3	11/2/2019	22:30	3/20/2023	13:10	13:10	31.8	12/15/2019 2:00	42.1
TIDBIT	20304391	12/5/2019	30.0	American Samoa	Rose Island			B3	11/2/2019	22:30	3/20/2023	13:10	13:10	31.8	12/15/2019 2:00	42.1
TIDBIT	20304391	12/6/2019	30.4	American Samoa	Rose Island			B3	11/2/2019	22:30	3/20/2023	13:10	13:10	31.8	12/15/2019 2:00	42.1
TIDBIT	20304391	12/7/2019	30.9	American Samoa	Rose Island			B3	11/2/2019	22:30	3/20/2023	13:10	13:10	31.8	12/15/2019 2:00	42.1
TIDBIT	20304391	12/8/2019	31.0	American Samoa	Rose Island			B3	11/2/2019	22:30	3/20/2023	13:10	13:10	31.8	12/15/2019 2:00	42.1
TIDBIT	20304391	12/9/2019	30.4	American Samoa	Rose Island			B3	11/2/2019	22:30	3/20/2023	13:10	13:10	31.8	12/15/2019 2:00	42.1
TIDBIT	20304391	12/10/2019	30.5	American Samoa	Rose Island			B3	11/2/2019	22:30	3/20/2023	13:10	13:10	31.8	12/15/2019 2:00	42.1
TIDBIT	20304391	12/11/2019	30.7	American Samoa	Rose Island			B3	11/2/2019	22:30	3/20/2023	13:10	13:10	31.8	12/15/2019 2:00	42.1
TIDBIT	20304391	12/12/2019	31.0	American Samoa	Rose Island			B3	11/2/2019	22:30	3/20/2023	13:10	13:10	31.8	12/15/2019 2:00	42.1
TIDBIT	20304391	12/13/2019	31.2	American Samoa	Rose Island			B3	11/2/2019	22:30	3/20/2023	13:10	13:10	31.8	12/15/2019 2:00	42.1
TIDBIT	20304391	12/14/2019	31.6	American Samoa	Rose Island			B3	11/2/2019	22:30	3/20/2023	13:10	13:10	31.8	12/15/2019 2:00	42.1
TIDBIT	20304391	12/15/2019	31.8	American Samoa	Rose Island			B3	11/2/2019	22:30	3/20/2023	13:10	13:10	31.8	12/15/2019 2:00	42.1
TIDBIT	20432404	12/10/2019	29.4	American Samoa	Rose Island	-14.54782	-168.14568	E7	12/9/2019		3/20/2024	7:45	7:45	33.7	1/31/2020 21:00	53.9
TIDBIT	20432404	12/11/2019	29.0	American Samoa	Rose Island	-14.54782	-168.14568	E7	12/9/2019		3/20/2024	7:45	7:45	33.7	1/31/2020 21:00	53.9
TIDBIT	20432404	12/12/2019	29.1	American Samoa	Rose Island	-14.54782	-168.14568	E7	12/9/2019		3/20/2024	7:45	7:45	33.7	1/31/2020 21:00	53.9
TIDBIT	20432404	12/13/2019	29.0	American Samoa	Rose Island	-14.54782	-168.14568	E7	12/9/2019		3/20/2024	7:45	7:45	33.7	1/31/2020 21:00	53.9
TIDBIT	20432404	12/14/2019	29.3	American Samoa	Rose Island	-14.54782	-168.14568	E7	12/9/2019		3/20/2024	7:45	7:45	33.7	1/31/2020 21:00	53.9
TIDBIT	20432404	12/15/2019	29.3	American Samoa	Rose Island	-14.54782	-168.14568	E7	12/9/2019		3/20/2024	7:45	7:45	33.7	1/31/2020 21:00	53.9
TIDBIT	20432404	12/16/2019	29.1	American Samoa	Rose Island	-14.54782	-168.14568	E7	12/9/2019		3/20/2024	7:45	7:45	33.7	1/31/2020 21:00	53.9
TIDBIT	20432404	12/17/2019	29.0	American Samoa	Rose Island	-14.54782	-168.14568	E7	12/9/2019		3/20/2024	7:45	7:45	33.7	1/31/2020 21:00	53.9
TIDBIT	20432404	12/18/2019	28.9	American Samoa	Rose Island	-14.54782	-168.14568	E7	12/9/2019		3/20/2024	7:45	7:45	33.7	1/31/2020 21:00	53.9
TIDBIT	20432404	12/19/2019	28.2	American Samoa	Rose Island	-14.54782	-168.14568	E7	12/9/2019		3/20/2024	7:45	7:45	33.7	1/31/2020 21:00	53.9
TIDBIT	20432404	12/20/2019	28.1	American Samoa	Rose Island	-14.54782	-168.14568	E7	12/9/2019		3/20/2024	7:45	7:45	33.7	1/31/2020 21:00	53.9
TIDBIT	20432404	12/21/2019	28.4	American Samoa	Rose Island	-14.54782	-168.14568	E7	12/9/2019		3/20/2024	7:45	7:45	33.7	1/31/2020 21:00	53.9
TIDBIT	20432404	12/22/2019	28.6	American Samoa	Rose Island	-14.54782	-168.14568	E7	12/9/2019		3/20/2024	7:45	7:45	33.7	1/31/2020 21:00	53.9
TIDBIT	20432404	12/23/2019	28.3	American Samoa	Rose Island	-14.54782	-168.14568	E7	12/9/2019		3/20/2024	7:45	7:45	33.7	1/31/2020 21:00	53.9
TIDBIT	20432404	12/24/2019	27.8	American Samoa	Rose Island	-14.54782	-168.14568	E7	12/9/2019		3/20/2024	7:45	7:45	33.7	1/31/2020 21:00	53.9
TIDBIT	20432404	12/25/2019	27.9	American Samoa	Rose Island	-14.54782	-168.14568	E7	12/9/2019		3/20/2024	7:45	7:45	33.7	1/31/2020 21:00	53.9
TIDBIT	20432404	12/26/2019	28.2	American Samoa	Rose Island	-14.54782	-168.14568	E7	12/9/2019		3/20/2024	7:45	7:45	33.7	1/31/2020 21:00	53.9
TIDBIT	20432404	12/27/2019	28.3	American Samoa	Rose Island	-14.54782	-168.14568	E7	12/9/2019		3/20/2024	7:45	7:45	33.7	1/31/2020 21:00	53.9
TIDBIT	20432404	12/28/2019	28.5	American Samoa	Rose Island	-14.54782	-168.14568	E7	12/9/2019		3/20/2024	7:45	7:45	33.7	1/31/2020 21:00	53.9
TIDBIT	20432404	12/29/2019	28.5	American Samoa	Rose Island	-14.54782	-168.14568	E7	12/9/2019		3/20/2024	7:45	7:45	33.7	1/31/2020 21:00	53.9
TIDBIT	20432404	12/30/2019	28.6	American Samoa	Rose Island	-14.54782	-168.14568	E7	12/9/2019		3/20/2024	7:45	7:45	33.7	1/31/2020 21:00	53.9
TIDBIT	20432404	12/31/2019	28.6	American Samoa	Rose Island	-14.54782	-168.14568	E7	12/9/2019		3/20/2024	7:45	7:45	33.7	1/31/2020 21:00	53.9
TIDBIT	20432404	1/1/2020	28.7	American Samoa	Rose Island	-14.54782	-168.14568	E7	12/9/2019		3/20/2024	7:45	7:45	33.7	1/31/2020 21:00	53.9
TIDBIT	20432404	1/2/2020	28.8	American Samoa	Rose Island	-14.54782	-168.14568	E7	12/9/2019		3/20/2024	7:45	7:45	33.7	1/31/2020 21:00	53.9
TIDBIT	20432404	1/3/2020	28.9	American Samoa	Rose Island	-14.54782	-168.14568	E7	12/9/2019		3/20/2024	7:45	7:45	33.7	1/31/2020 21:00	53.9
TIDBIT	20432404	1/4/2020	28.8	American Samoa	Rose Island	-14.54782	-168.14568	E7	12/9/2019		3/20/2024	7:45	7:45	33.7	1/31/2020 21:00	53.9
TIDBIT	20432404	1/5/2020	28.5	American Samoa	Rose Island	-14.54782	-168.14568	E7	12/9/2019		3/20/2024	7:45	7:45	33.7	1/31/2020 21:00	53.9
TIDBIT	20432404	1/6/2020	28.6	American Samoa	Rose Island	-14.54782	-168.14568	E7	12/9/2019		3/20/2024	7:45	7:45	33.7	1/31/2020 21:00	53.9
TIDBIT	20432404	1/7/2020	28.9	American Samoa	Rose Island	-14.54782	-168.14568	E7	12/9/2019		3/20/2024	7:45	7:45	33.7	1/31/2020 21:00	53.9
TIDBIT	20432404	1/8/2020	29.2	American Samoa	Rose Island	-14.54782	-168.14568	E7	12/9/2019		3/20/2024	7:45	7:45	33.7	1/31/2020 21:00	53.9
TIDBIT	20432404	1/9/2020	29.6	American Samoa	Rose Island	-14.54782	-168.14568	E7	12/9/2019		3/20/2024	7:45	7:45	33.7	1/31/2020 21:00	53.9
TIDBIT	20432404	1/10/2020	29.9	American Samoa	Rose Island	-14.54782	-168.14568	E7	12/9/2019		3/20/2024	7:45	7:45	33.7	1/31/2020 21:00	53.9

Supplemental Table 6. Summary of daily average temperatures recorded by temperature data loggers (n=30, HOBO TidbiT) including the logger type, logger number, temperature daily average, region, island, latitutude and longitude of deployment, turtle mototool number, date and time deployed, date and time of excavation, retrieval time of logger, maximum temperature, date and time of maximum temperature, and days to maximum temperature.

TIDBIT	20432404	1/11/2020	30.2	American Samoa	Rose Island	-14.54782	-168.14568	E7	12/9/2019		3/20/2024	7:45	7:45	33.7	1/31/2020 21:00	53.9
TIDBIT	20432404	1/12/2020	30.4	American Samoa	Rose Island	-14.54782	-168.14568	E7	12/9/2019		3/20/2024	7:45	7:45	33.7	1/31/2020 21:00	53.9
TIDBIT	20432404	1/13/2020	30.6	American Samoa	Rose Island	-14.54782	-168.14568	E7	12/9/2019		3/20/2024	7:45	7:45	33.7	1/31/2020 21:00	53.9
TIDBIT	20432404	1/14/2020	30.4	American Samoa	Rose Island	-14.54782	-168.14568	E7	12/9/2019		3/20/2024	7:45	7:45	33.7	1/31/2020 21:00	53.9
TIDBIT	20432404	1/15/2020	30.1	American Samoa	Rose Island	-14.54782	-168.14568	E7	12/9/2019		3/20/2024	7:45	7:45	33.7	1/31/2020 21:00	53.9
TIDBIT	20432404	1/16/2020	30.3	American Samoa	Rose Island	-14.54782	-168.14568	E7	12/9/2019		3/20/2024	7:45	7:45	33.7	1/31/2020 21:00	53.9
TIDBIT	20432404	1/17/2020	30.3	American Samoa	Rose Island	-14.54782	-168.14568	E7	12/9/2019		3/20/2024	7:45	7:45	33.7	1/31/2020 21:00	53.9
TIDBIT	20432404	1/18/2020	30.5	American Samoa	Rose Island	-14.54782	-168.14568	E7	12/9/2019		3/20/2024	7:45	7:45	33.7	1/31/2020 21:00	53.9
TIDBIT	20432404	1/19/2020	30.7	American Samoa	Rose Island	-14.54782	-168.14568	E7	12/9/2019		3/20/2024	7:45	7:45	33.7	1/31/2020 21:00	53.9
TIDBIT	20432404	1/20/2020	30.6	American Samoa	Rose Island	-14.54782	-168.14568	E7	12/9/2019		3/20/2024	7:45	7:45	33.7	1/31/2020 21:00	53.9
TIDBIT	20432404	1/21/2020	30.3	American Samoa	Rose Island	-14.54782	-168.14568	E7	12/9/2019		3/20/2024	7:45	7:45	33.7	1/31/2020 21:00	53.9
TIDBIT	20432404	1/22/2020	30.2	American Samoa	Rose Island	-14.54782	-168.14568	E7	12/9/2019		3/20/2024	7:45	7:45	33.7	1/31/2020 21:00	53.9
TIDBIT	20432404	1/23/2020	30.5	American Samoa	Rose Island	-14.54782	-168.14568	E7	12/9/2019		3/20/2024	7:45	7:45	33.7	1/31/2020 21:00	53.9
TIDBIT	20432404	1/24/2020	30.6	American Samoa	Rose Island	-14.54782	-168.14568	E7	12/9/2019		3/20/2024	7:45	7:45	33.7	1/31/2020 21:00	53.9
TIDBIT	20432404	1/25/2020	30.6	American Samoa	Rose Island	-14.54782	-168.14568	E7	12/9/2019		3/20/2024	7:45	7:45	33.7	1/31/2020 21:00	53.9
TIDBIT	20432404	1/26/2020	30.8	American Samoa	Rose Island	-14.54782	-168.14568	E7	12/9/2019		3/20/2024	7:45	7:45	33.7	1/31/2020 21:00	53.9
TIDBIT	20432404	1/27/2020	31.5	American Samoa	Rose Island	-14.54782	-168.14568	E7	12/9/2019		3/20/2024	7:45	7:45	33.7	1/31/2020 21:00	53.9
TIDBIT	20432404	1/28/2020	32.0	American Samoa	Rose Island	-14.54782	-168.14568	E7	12/9/2019		3/20/2024	7:45	7:45	33.7	1/31/2020 21:00	53.9
TIDBIT	20432404	1/29/2020	32.4	American Samoa	Rose Island	-14.54782	-168.14568	E7	12/9/2019		3/20/2024	7:45	7:45	33.7	1/31/2020 21:00	53.9
TIDBIT	20432404	1/30/2020	32.6	American Samoa	Rose Island	-14.54782	-168.14568	E7	12/9/2019		3/20/2024	7:45	7:45	33.7	1/31/2020 21:00	53.9
TIDBIT	20432404	1/31/2020	33.4	American Samoa	Rose Island	-14.54782	-168.14568	E7	12/9/2019		3/20/2024	7:45	7:45	33.7	1/31/2020 21:00	53.9
TIDBIT	20432405	12/10/2019	29.4	American Samoa	Rose Island	-14.548047	-168.145621	E5	12/9/2019	3:45	3/20/2023	7:55	7:55	34.5	1/30/2020 5:00	52.1
TIDBIT	20432405	12/11/2019	29.3	American Samoa	Rose Island	-14.548047	-168.145621	E5	12/9/2019	3:45	3/20/2023	7:55	7:55	34.5	1/30/2020 5:00	52.1
TIDBIT	20432405	12/12/2019	29.3	American Samoa	Rose Island	-14.548047	-168.145621	E5	12/9/2019	3:45	3/20/2023	7:55	7:55	34.5	1/30/2020 5:00	52.1
TIDBIT	20432405	12/13/2019	29.4	American Samoa	Rose Island	-14.548047	-168.145621	E5	12/9/2019	3:45	3/20/2023	7:55	7:55	34.5	1/30/2020 5:00	52.1
TIDBIT	20432405	12/14/2019	29.4	American Samoa	Rose Island	-14.548047	-168.145621	E5	12/9/2019	3:45	3/20/2023	7:55	7:55	34.5	1/30/2020 5:00	52.1
TIDBIT	20432405	12/15/2019	29.5	American Samoa	Rose Island	-14.548047	-168.145621	E5	12/9/2019	3:45	3/20/2023	7:55	7:55	34.5	1/30/2020 5:00	52.1
TIDBIT	20432405	12/16/2019	29.5	American Samoa	Rose Island	-14.548047	-168.145621	E5	12/9/2019	3:45	3/20/2023	7:55	7:55	34.5	1/30/2020 5:00	52.1
TIDBIT	20432405	12/17/2019	29.5	American Samoa	Rose Island	-14.548047	-168.145621	E5	12/9/2019	3:45	3/20/2023	7:55	7:55	34.5	1/30/2020 5:00	52.1
TIDBIT	20432405	12/18/2019	29.4	American Samoa	Rose Island	-14.548047	-168.145621	E5	12/9/2019	3:45	3/20/2023	7:55	7:55	34.5	1/30/2020 5:00	52.1
TIDBIT	20432405	12/19/2019	29.0	American Samoa	Rose Island	-14.548047	-168.145621	E5	12/9/2019	3:45	3/20/2023	7:55	7:55	34.5	1/30/2020 5:00	52.1
TIDBIT	20432405	12/20/2019	28.7	American Samoa	Rose Island	-14.548047	-168.145621	E5	12/9/2019	3:45	3/20/2023	7:55	7:55	34.5	1/30/2020 5:00	52.1
TIDBIT	20432405	12/21/2019	28.7	American Samoa	Rose Island	-14.548047	-168.145621	E5	12/9/2019	3:45	3/20/2023	7:55	7:55	34.5	1/30/2020 5:00	52.1
TIDBIT	20432405	12/22/2019	28.8	American Samoa	Rose Island	-14.548047	-168.145621	E5	12/9/2019	3:45	3/20/2023	7:55	7:55	34.5	1/30/2020 5:00	52.1
TIDBIT	20432405	12/23/2019	28.7	American Samoa	Rose Island	-14.548047	-168.145621	E5	12/9/2019	3:45	3/20/2023	7:55	7:55	34.5	1/30/2020 5:00	52.1
TIDBIT	20432405	12/24/2019	28.5	American Samoa	Rose Island	-14.548047	-168.145621	E5	12/9/2019	3:45	3/20/2023	7:55	7:55	34.5	1/30/2020 5:00	52.1
TIDBIT	20432405	12/25/2019	28.4	American Samoa	Rose Island	-14.548047	-168.145621	E5	12/9/2019	3:45	3/20/2023	7:55	7:55	34.5	1/30/2020 5:00	52.1
TIDBIT	20432405	12/26/2019	28.4	American Samoa	Rose Island	-14.548047	-168.145621	E5	12/9/2019	3:45	3/20/2023	7:55	7:55	34.5	1/30/2020 5:00	52.1
TIDBIT	20432405	12/27/2019	28.5	American Samoa	Rose Island	-14.548047	-168.145621	E5	12/9/2019	3:45	3/20/2023	7:55	7:55	34.5	1/30/2020 5:00	52.1
TIDBIT	20432405	12/28/2019	28.7	American Samoa	Rose Island	-14.548047	-168.145621	E5	12/9/2019	3:45	3/20/2023	7:55	7:55	34.5	1/30/2020 5:00	52.1
TIDBIT	20432405	12/29/2019	28.8	American Samoa	Rose Island	-14.548047	-168.145621	E5	12/9/2019	3:45	3/20/2023	7:55	7:55	34.5	1/30/2020 5:00	52.1
TIDBIT	20432405	12/30/2019	28.8	American Samoa	Rose Island	-14.548047	-168.145621	E5	12/9/2019	3:45	3/20/2023	7:55	7:55	34.5	1/30/2020 5:00	52.1
TIDBIT	20432405	12/31/2019	28.8	American Samoa	Rose Island	-14.548047	-168.145621	E5	12/9/2019	3:45	3/20/2023	7:55	7:55	34.5	1/30/2020 5:00	52.1
TIDBIT	20432405	1/1/2020	28.9	American Samoa	Rose Island	-14.548047	-168.145621	E5	12/9/2019	3:45	3/20/2023	7:55	7:55	34.5	1/30/2020 5:00	52.1
TIDBIT	20432405	1/2/2020	29.0	American Samoa	Rose Island	-14.548047	-168.145621	E5	12/9/2019	3:45	3/20/2023	7:55	7:55	34.5	1/30/2020 5:00	52.1
TIDBIT	20432405	1/3/2020	29.1	American Samoa	Rose Island	-14.548047	-168.145621	E5	12/9/2019	3:45	3/20/2023	7:55	7:55	34.5	1/30/2020 5:00	52.1
TIDBIT	20432405	1/4/2020	29.4	American Samoa	Rose Island	-14.548047	-168.145621	E5	12/9/2019	3:45	3/20/2023	7:55	7:55	34.5	1/30/2020 5:00	52.1
TIDBIT	20432405	1/5/2020	29.3	American Samoa	Rose Island	-14.548047	-168.145621	E5	12/9/2019	3:45	3/20/2023	7:55	7:55	34.5	1/30/2020 5:00	52.1
TIDBIT	20432405	1/6/2020	29.3	American Samoa	Rose Island	-14.548047	-168.145621	E5	12/9/2019	3:45	3/20/2023	7:55	7:55	34.5	1/30/2020 5:00	52.1
TIDBIT	20432405	1/7/2020	29.6	American Samoa	Rose Island	-14.548047	-168.145621	E5	12/9/2019	3:45	3/20/2023	7:55	7:55	34.5	1/30/2020 5:00	52.1
TIDBIT	20432405	1/8/2020	29.8	American Samoa	Rose Island	-14.548047	-168.145621	E5	12/9/2019	3:45	3/20/2023	7:55	7:55	34.5	1/30/2020 5:00	52.1
TIDBIT	20432405	1/9/2020	30.1	American Samoa	Rose Island	-14.548047	-168.145621	E5	12/9/2019	3:45	3/20/2023	7:55	7:55	34.5	1/30/2020 5:00	52.1
TIDBIT	20432405	1/10/2020	30.5	American Samoa	Rose Island	-14.548047	-168.145621	E5	12/9/2019	3:45	3/20/2023	7:55	7:55	34.5	1/30/2020 5:00	52.1
TIDBIT	20432405	1/11/2020	30.9	American Samoa	Rose Island	-14.548047	-168.145621	E5	12/9/2019	3:45	3/20/2023	7:55	7:55	34.5	1/30/2020 5:00	52.1
TIDBIT	20432405	1/12/2020	31.2	American Samoa	Rose Island	-14.548047	-168.145621	E5	12/9/2019	3:45	3/20/2023	7:55	7:55	34.5	1/30/2020 5:00	52.1

Supplemental Table 6. Summary of daily average temperatures recorded by temperature data loggers (n=30, HOBO TidbiT) including the logger type, logger number, temperature daily average, region, island, latitutude and longitude of deployment, turtle mototool number, date and time deployed, date and time of excavation, retrieval time of logger, maximum temperature, date and time of maximum temperature, and days to maximum temperature.

TIDBIT	20432405	1/13/2020	31.5	American Samoa	Rose Island	-14.548047	-168.145621	E5	12/9/2019	3:45	3/20/2023	7:55	7:55	34.5	1/30/2020 5:00	52.1
TIDBIT	20432405	1/14/2020	31.7	American Samoa	Rose Island	-14.548047	-168.145621	E5	12/9/2019	3:45	3/20/2023	7:55	7:55	34.5	1/30/2020 5:00	52.1
TIDBIT	20432405	1/15/2020	31.6	American Samoa	Rose Island	-14.548047	-168.145621	E5	12/9/2019	3:45	3/20/2023	7:55	7:55	34.5	1/30/2020 5:00	52.1
TIDBIT	20432405	1/16/2020	31.8	American Samoa	Rose Island	-14.548047	-168.145621	E5	12/9/2019	3:45	3/20/2023	7:55	7:55	34.5	1/30/2020 5:00	52.1
TIDBIT	20432405	1/17/2020	31.9	American Samoa	Rose Island	-14.548047	-168.145621	E5	12/9/2019	3:45	3/20/2023	7:55	7:55	34.5	1/30/2020 5:00	52.1
TIDBIT	20432405	1/18/2020	32.1	American Samoa	Rose Island	-14.548047	-168.145621	E5	12/9/2019	3:45	3/20/2023	7:55	7:55	34.5	1/30/2020 5:00	52.1
TIDBIT	20432405	1/19/2020	32.3	American Samoa	Rose Island	-14.548047	-168.145621	E5	12/9/2019	3:45	3/20/2023	7:55	7:55	34.5	1/30/2020 5:00	52.1
TIDBIT	20432405	1/20/2020	32.4	American Samoa	Rose Island	-14.548047	-168.145621	E5	12/9/2019	3:45	3/20/2023	7:55	7:55	34.5	1/30/2020 5:00	52.1
TIDBIT	20432405	1/21/2020	32.4	American Samoa	Rose Island	-14.548047	-168.145621	E5	12/9/2019	3:45	3/20/2023	7:55	7:55	34.5	1/30/2020 5:00	52.1
TIDBIT	20432405	1/22/2020	32.3	American Samoa	Rose Island	-14.548047	-168.145621	E5	12/9/2019	3:45	3/20/2023	7:55	7:55	34.5	1/30/2020 5:00	52.1
TIDBIT	20432405	1/23/2020	32.4	American Samoa	Rose Island	-14.548047	-168.145621	E5	12/9/2019	3:45	3/20/2023	7:55	7:55	34.5	1/30/2020 5:00	52.1
TIDBIT	20432405	1/24/2020	32.3	American Samoa	Rose Island	-14.548047	-168.145621	E5	12/9/2019	3:45	3/20/2023	7:55	7:55	34.5	1/30/2020 5:00	52.1
TIDBIT	20432405	1/25/2020	32.2	American Samoa	Rose Island	-14.548047	-168.145621	E5	12/9/2019	3:45	3/20/2023	7:55	7:55	34.5	1/30/2020 5:00	52.1
TIDBIT	20432405	1/26/2020	32.5	American Samoa	Rose Island	-14.548047	-168.145621	E5	12/9/2019	3:45	3/20/2023	7:55	7:55	34.5	1/30/2020 5:00	52.1
TIDBIT	20432405	1/27/2020	32.6	American Samoa	Rose Island	-14.548047	-168.145621	E5	12/9/2019	3:45	3/20/2023	7:55	7:55	34.5	1/30/2020 5:00	52.1
TIDBIT	20432405	1/28/2020	33.0	American Samoa	Rose Island	-14.548047	-168.145621	E5	12/9/2019	3:45	3/20/2023	7:55	7:55	34.5	1/30/2020 5:00	52.1
TIDBIT	20432405	1/29/2020	33.5	American Samoa	Rose Island	-14.548047	-168.145621	E5	12/9/2019	3:45	3/20/2023	7:55	7:55	34.5	1/30/2020 5:00	52.1
TIDBIT	20432405	1/30/2020	34.4	American Samoa	Rose Island	-14.548047	-168.145621	E5	12/9/2019	3:45	3/20/2023	7:55	7:55	34.5	1/30/2020 5:00	52.1
TIDBIT	20432407	12/7/2019	28.9	American Samoa	Rose Island	-14.546465	-168.143863	C2	12/6/2019	21:05	3/20/2024	8:40	8:40	32.6	2/2/2020 1:00	57.2
TIDBIT	20432407	12/8/2019	27.9	American Samoa	Rose Island	-14.546465	-168.143863	C2	12/6/2019	21:05	3/20/2024	8:40	8:40	32.6	2/2/2020 1:00	57.2
TIDBIT	20432407	12/9/2019	27.6	American Samoa	Rose Island	-14.546465	-168.143863	C2	12/6/2019	21:05	3/20/2024	8:40	8:40	32.6	2/2/2020 1:00	57.2
TIDBIT	20432407	12/10/2019	27.9	American Samoa	Rose Island	-14.546465	-168.143863	C2	12/6/2019	21:05	3/20/2024	8:40	8:40	32.6	2/2/2020 1:00	57.2
TIDBIT	20432407	12/11/2019	28.4	American Samoa	Rose Island	-14.546465	-168.143863	C2	12/6/2019	21:05	3/20/2024	8:40	8:40	32.6	2/2/2020 1:00	57.2
TIDBIT	20432407	12/12/2019	28.2	American Samoa	Rose Island	-14.546465	-168.143863	C2	12/6/2019	21:05	3/20/2024	8:40	8:40	32.6	2/2/2020 1:00	57.2
TIDBIT	20432407	12/13/2019	28.3	American Samoa	Rose Island	-14.546465	-168.143863	C2	12/6/2019	21:05	3/20/2024	8:40	8:40	32.6	2/2/2020 1:00	57.2
TIDBIT	20432407	12/14/2019	28.5	American Samoa	Rose Island	-14.546465	-168.143863	C2	12/6/2019	21:05	3/20/2024	8:40	8:40	32.6	2/2/2020 1:00	57.2
TIDBIT	20432407	12/15/2019	27.8	American Samoa	Rose Island	-14.546465	-168.143863	C2	12/6/2019	21:05	3/20/2024	8:40	8:40	32.6	2/2/2020 1:00	57.2
TIDBIT	20432407	12/16/2019	27.9	American Samoa	Rose Island	-14.546465	-168.143863	C2	12/6/2019	21:05	3/20/2024	8:40	8:40	32.6	2/2/2020 1:00	57.2
TIDBIT	20432407	12/17/2019	27.9	American Samoa	Rose Island	-14.546465	-168.143863	C2	12/6/2019	21:05	3/20/2024	8:40	8:40	32.6	2/2/2020 1:00	57.2
TIDBIT	20432407	12/18/2019	27.6	American Samoa	Rose Island	-14.546465	-168.143863	C2	12/6/2019	21:05	3/20/2024	8:40	8:40	32.6	2/2/2020 1:00	57.2
TIDBIT	20432407	12/19/2019	27.0	American Samoa	Rose Island	-14.546465	-168.143863	C2	12/6/2019	21:05	3/20/2024	8:40	8:40	32.6	2/2/2020 1:00	57.2
TIDBIT	20432407	12/20/2019	27.7	American Samoa	Rose Island	-14.546465	-168.143863	C2	12/6/2019	21:05	3/20/2024	8:40	8:40	32.6	2/2/2020 1:00	57.2
TIDBIT	20432407	12/21/2019	28.1	American Samoa	Rose Island	-14.546465	-168.143863	C2	12/6/2019	21:05	3/20/2024	8:40	8:40	32.6	2/2/2020 1:00	57.2
TIDBIT	20432407	12/22/2019	28.1	American Samoa	Rose Island	-14.546465	-168.143863	C2	12/6/2019	21:05	3/20/2024	8:40	8:40	32.6	2/2/2020 1:00	57.2
TIDBIT	20432407	12/23/2019	27.0	American Samoa	Rose Island	-14.546465	-168.143863	C2	12/6/2019	21:05	3/20/2024	8:40	8:40	32.6	2/2/2020 1:00	57.2
TIDBIT	20432407	12/24/2019	27.0	American Samoa	Rose Island	-14.546465	-168.143863	C2	12/6/2019	21:05	3/20/2024	8:40	8:40	32.6	2/2/2020 1:00	57.2
TIDBIT	20432407	12/25/2019	27.4	American Samoa	Rose Island	-14.546465	-168.143863	C2	12/6/2019	21:05	3/20/2024	8:40	8:40	32.6	2/2/2020 1:00	57.2
TIDBIT	20432407	12/26/2019	27.8	American Samoa	Rose Island	-14.546465	-168.143863	C2	12/6/2019	21:05	3/20/2024	8:40	8:40	32.6	2/2/2020 1:00	57.2
TIDBIT	20432407	12/27/2019	27.7	American Samoa	Rose Island	-14.546465	-168.143863	C2	12/6/2019	21:05	3/20/2024	8:40	8:40	32.6	2/2/2020 1:00	57.2
TIDBIT	20432407	12/28/2019	27.8	American Samoa	Rose Island	-14.546465	-168.143863	C2	12/6/2019	21:05	3/20/2024	8:40	8:40	32.6	2/2/2020 1:00	57.2
TIDBIT	20432407	12/29/2019	27.9	American Samoa	Rose Island	-14.546465	-168.143863	C2	12/6/2019	21:05	3/20/2024	8:40	8:40	32.6	2/2/2020 1:00	57.2
TIDBIT	20432407	12/30/2019	28.1	American Samoa	Rose Island	-14.546465	-168.143863	C2	12/6/2019	21:05	3/20/2024	8:40	8:40	32.6	2/2/2020 1:00	57.2
TIDBIT	20432407	12/31/2019	28.2	American Samoa	Rose Island	-14.546465	-168.143863	C2	12/6/2019	21:05	3/20/2024	8:40	8:40	32.6	2/2/2020 1:00	57.2
TIDBIT	20432407	1/1/2020	28.3	American Samoa	Rose Island	-14.546465	-168.143863	C2	12/6/2019	21:05	3/20/2024	8:40	8:40	32.6	2/2/2020 1:00	57.2
TIDBIT	20432407	1/2/2020	28.4	American Samoa	Rose Island	-14.546465	-168.143863	C2	12/6/2019	21:05	3/20/2024	8:40	8:40	32.6	2/2/2020 1:00	57.2
TIDBIT	20432407	1/3/2020	28.1	American Samoa	Rose Island	-14.546465	-168.143863	C2	12/6/2019	21:05	3/20/2024	8:40	8:40	32.6	2/2/2020 1:00	57.2
TIDBIT	20432407	1/4/2020	27.5	American Samoa	Rose Island	-14.546465	-168.143863	C2	12/6/2019	21:05	3/20/2024	8:40	8:40	32.6	2/2/2020 1:00	57.2
TIDBIT	20432407	1/5/2020	27.4	American Samoa	Rose Island	-14.546465	-168.143863	C2	12/6/2019	21:05	3/20/2024	8:40	8:40	32.6	2/2/2020 1:00	57.2
TIDBIT	20432407	1/6/2020	27.7	American Samoa	Rose Island	-14.546465	-168.143863	C2	12/6/2019	21:05	3/20/2024	8:40	8:40	32.6	2/2/2020 1:00	57.2
TIDBIT	20432407	1/7/2020	27.8	American Samoa	Rose Island	-14.546465	-168.143863	C2	12/6/2019	21:05	3/20/2024	8:40	8:40	32.6	2/2/2020 1:00	57.2
TIDBIT	20432407	1/8/2020	28.0	American Samoa	Rose Island	-14.546465	-168.143863	C2	12/6/2019	21:05	3/20/2024	8:40	8:40	32.6	2/2/2020 1:00	57.2
TIDBIT	20432407	1/9/2020	28.5	American Samoa	Rose Island	-14.546465	-168.143863	C2	12/6/2019	21:05	3/20/2024	8:40	8:40	32.6	2/2/2020 1:00	57.2
TIDBIT	20432407	1/10/2020	28.5	American Samoa	Rose Island	-14.546465	-168.143863	C2	12/6/2019	21:05	3/20/2024	8:40	8:40	32.6	2/2/2020 1:00	57.2
TIDBIT	20432407	1/11/2020	28.5	American Samoa	Rose Island	-14.546465	-168.143863	C2	12/6/2019	21:05	3/20/2024	8:40	8:40	32.6	2/2/2020 1:00	57.2
TIDBIT	20432407	1/12/2020	28.6	American Samoa	Rose Island	-14.546465	-168.143863	C2	12/6/2019	21:05	3/20/2024	8:40	8:40	32.6	2/2/2020 1:00	57.2

Supplemental Table 6. Summary of daily average temperatures recorded by temperature data loggers (n=30, HOBO TidbiT) including the logger type, logger number, temperature daily average, region, island, latitutude and longitude of deployment, turtle mototool number, date and time deployed, date and time of excavation, retrieval time of logger, maximum temperature, date and time of maximum temperature, and days to maximum temperature.

TIDBIT	20432407	1/13/2020	28.3	American Samoa	Rose Island	-14.546465	-168.143863	C2	12/6/2019	21:05	3/20/2024	8:40	8:40	32.6	2/2/2020 1:00	57.2
TIDBIT	20432407	1/14/2020	28.1	American Samoa	Rose Island	-14.546465	-168.143863	C2	12/6/2019	21:05	3/20/2024	8:40	8:40	32.6	2/2/2020 1:00	57.2
TIDBIT	20432407	1/15/2020	28.3	American Samoa	Rose Island	-14.546465	-168.143863	C2	12/6/2019	21:05	3/20/2024	8:40	8:40	32.6	2/2/2020 1:00	57.2
TIDBIT	20432407	1/16/2020	28.1	American Samoa	Rose Island	-14.546465	-168.143863	C2	12/6/2019	21:05	3/20/2024	8:40	8:40	32.6	2/2/2020 1:00	57.2
TIDBIT	20432407	1/17/2020	28.0	American Samoa	Rose Island	-14.546465	-168.143863	C2	12/6/2019	21:05	3/20/2024	8:40	8:40	32.6	2/2/2020 1:00	57.2
TIDBIT	20432407	1/18/2020	28.1	American Samoa	Rose Island	-14.546465	-168.143863	C2	12/6/2019	21:05	3/20/2024	8:40	8:40	32.6	2/2/2020 1:00	57.2
TIDBIT	20432407	1/19/2020	29.0	American Samoa	Rose Island	-14.546465	-168.143863	C2	12/6/2019	21:05	3/20/2024	8:40	8:40	32.6	2/2/2020 1:00	57.2
TIDBIT	20432407	1/20/2020	28.5	American Samoa	Rose Island	-14.546465	-168.143863	C2	12/6/2019	21:05	3/20/2024	8:40	8:40	32.6	2/2/2020 1:00	57.2
TIDBIT	20432407	1/21/2020	28.2	American Samoa	Rose Island	-14.546465	-168.143863	C2	12/6/2019	21:05	3/20/2024	8:40	8:40	32.6	2/2/2020 1:00	57.2
TIDBIT	20432407	1/22/2020	28.5	American Samoa	Rose Island	-14.546465	-168.143863	C2	12/6/2019	21:05	3/20/2024	8:40	8:40	32.6	2/2/2020 1:00	57.2
TIDBIT	20432407	1/23/2020	28.9	American Samoa	Rose Island	-14.546465	-168.143863	C2	12/6/2019	21:05	3/20/2024	8:40	8:40	32.6	2/2/2020 1:00	57.2
TIDBIT	20432407	1/24/2020	28.6	American Samoa	Rose Island	-14.546465	-168.143863	C2	12/6/2019	21:05	3/20/2024	8:40	8:40	32.6	2/2/2020 1:00	57.2
TIDBIT	20432407	1/25/2020	29.1	American Samoa	Rose Island	-14.546465	-168.143863	C2	12/6/2019	21:05	3/20/2024	8:40	8:40	32.6	2/2/2020 1:00	57.2
TIDBIT	20432407	1/26/2020	29.8	American Samoa	Rose Island	-14.546465	-168.143863	C2	12/6/2019	21:05	3/20/2024	8:40	8:40	32.6	2/2/2020 1:00	57.2
TIDBIT	20432407	1/27/2020	30.5	American Samoa	Rose Island	-14.546465	-168.143863	C2	12/6/2019	21:05	3/20/2024	8:40	8:40	32.6	2/2/2020 1:00	57.2
TIDBIT	20432407	1/28/2020	30.8	American Samoa	Rose Island	-14.546465	-168.143863	C2	12/6/2019	21:05	3/20/2024	8:40	8:40	32.6	2/2/2020 1:00	57.2
TIDBIT	20432407	1/29/2020	30.7	American Samoa	Rose Island	-14.546465	-168.143863	C2	12/6/2019	21:05	3/20/2024	8:40	8:40	32.6	2/2/2020 1:00	57.2
TIDBIT	20432407	1/30/2020	31.1	American Samoa	Rose Island	-14.546465	-168.143863	C2	12/6/2019	21:05	3/20/2024	8:40	8:40	32.6	2/2/2020 1:00	57.2
TIDBIT	20432407	1/31/2020	31.9	American Samoa	Rose Island	-14.546465	-168.143863	C2	12/6/2019	21:05	3/20/2024	8:40	8:40	32.6	2/2/2020 1:00	57.2
TIDBIT	20432407	2/1/2020	32.4	American Samoa	Rose Island	-14.546465	-168.143863	C2	12/6/2019	21:05	3/20/2024	8:40	8:40	32.6	2/2/2020 1:00	57.2
TIDBIT	20432407	2/2/2020	32.6	American Samoa	Rose Island	-14.546465	-168.143863	C2	12/6/2019	21:05	3/20/2024	8:40	8:40	32.6	2/2/2020 1:00	57.2
TIDBIT	20432408	12/6/2019	29.1	American Samoa	Rose Island	-14.545846	-168.144437	B1	12/5/2019	21:26	3/20/2024	8:10	8:10	34.7	2/1/2020 9:00	57.5
TIDBIT	20432408	12/7/2019	29.2	American Samoa	Rose Island	-14.545846	-168.144437	B1	12/5/2019	21:26	3/20/2024	8:10	8:10	34.7	2/1/2020 9:00	57.5
TIDBIT	20432408	12/8/2019	28.9	American Samoa	Rose Island	-14.545846	-168.144437	B1	12/5/2019	21:26	3/20/2024	8:10	8:10	34.7	2/1/2020 9:00	57.5
TIDBIT	20432408	12/9/2019	28.2	American Samoa	Rose Island	-14.545846	-168.144437	B1	12/5/2019	21:26	3/20/2024	8:10	8:10	34.7	2/1/2020 9:00	57.5
TIDBIT	20432408	12/10/2019	28.1	American Samoa	Rose Island	-14.545846	-168.144437	B1	12/5/2019	21:26	3/20/2024	8:10	8:10	34.7	2/1/2020 9:00	57.5
TIDBIT	20432408	12/11/2019	28.1	American Samoa	Rose Island	-14.545846	-168.144437	B1	12/5/2019	21:26	3/20/2024	8:10	8:10	34.7	2/1/2020 9:00	57.5
TIDBIT	20432408	12/12/2019	28.1	American Samoa	Rose Island	-14.545846	-168.144437	B1	12/5/2019	21:26	3/20/2024	8:10	8:10	34.7	2/1/2020 9:00	57.5
TIDBIT	20432408	12/13/2019	28.0	American Samoa	Rose Island	-14.545846	-168.144437	B1	12/5/2019	21:26	3/20/2024	8:10	8:10	34.7	2/1/2020 9:00	57.5
TIDBIT	20432408	12/14/2019	28.3	American Samoa	Rose Island	-14.545846	-168.144437	B1	12/5/2019	21:26	3/20/2024	8:10	8:10	34.7	2/1/2020 9:00	57.5
TIDBIT	20432408	12/15/2019	28.0	American Samoa	Rose Island	-14.545846	-168.144437	B1	12/5/2019	21:26	3/20/2024	8:10	8:10	34.7	2/1/2020 9:00	57.5
TIDBIT	20432408	12/16/2019	27.9	American Samoa	Rose Island	-14.545846	-168.144437	B1	12/5/2019	21:26	3/20/2024	8:10	8:10	34.7	2/1/2020 9:00	57.5
TIDBIT	20432408	12/17/2019	27.9	American Samoa	Rose Island	-14.545846	-168.144437	B1	12/5/2019	21:26	3/20/2024	8:10	8:10	34.7	2/1/2020 9:00	57.5
TIDBIT	20432408	12/18/2019	27.8	American Samoa	Rose Island	-14.545846	-168.144437	B1	12/5/2019	21:26	3/20/2024	8:10	8:10	34.7	2/1/2020 9:00	57.5
TIDBIT	20432408	12/19/2019	27.1	American Samoa	Rose Island	-14.545846	-168.144437	B1	12/5/2019	21:26	3/20/2024	8:10	8:10	34.7	2/1/2020 9:00	57.5
TIDBIT	20432408	12/20/2019	27.4	American Samoa	Rose Island	-14.545846	-168.144437	B1	12/5/2019	21:26	3/20/2024	8:10	8:10	34.7	2/1/2020 9:00	57.5
TIDBIT	20432408	12/21/2019	27.8	American Samoa	Rose Island	-14.545846	-168.144437	B1	12/5/2019	21:26	3/20/2024	8:10	8:10	34.7	2/1/2020 9:00	57.5
TIDBIT	20432408	12/22/2019	28.0	American Samoa	Rose Island	-14.545846	-168.144437	B1	12/5/2019	21:26	3/20/2024	8:10	8:10	34.7	2/1/2020 9:00	57.5
TIDBIT	20432408	12/23/2019	27.5	American Samoa	Rose Island	-14.545846	-168.144437	B1	12/5/2019	21:26	3/20/2024	8:10	8:10	34.7	2/1/2020 9:00	57.5
TIDBIT	20432408	12/24/2019	27.1	American Samoa	Rose Island	-14.545846	-168.144437	B1	12/5/2019	21:26	3/20/2024	8:10	8:10	34.7	2/1/2020 9:00	57.5
TIDBIT	20432408	12/25/2019	27.4	American Samoa	Rose Island	-14.545846	-168.144437	B1	12/5/2019	21:26	3/20/2024	8:10	8:10	34.7	2/1/2020 9:00	57.5
TIDBIT	20432408	12/26/2019	27.7	American Samoa	Rose Island	-14.545846	-168.144437	B1	12/5/2019	21:26	3/20/2024	8:10	8:10	34.7	2/1/2020 9:00	57.5
TIDBIT	20432408	12/27/2019	27.7	American Samoa	Rose Island	-14.545846	-168.144437	B1	12/5/2019	21:26	3/20/2024	8:10	8:10	34.7	2/1/2020 9:00	57.5
TIDBIT	20432408	12/28/2019	27.9	American Samoa	Rose Island	-14.545846	-168.144437	B1	12/5/2019	21:26	3/20/2024	8:10	8:10	34.7	2/1/2020 9:00	57.5
TIDBIT	20432408	12/29/2019	27.8	American Samoa	Rose Island	-14.545846	-168.144437	B1	12/5/2019	21:26	3/20/2024	8:10	8:10	34.7	2/1/2020 9:00	57.5
TIDBIT	20432408	12/30/2019	28.1	American Samoa	Rose Island	-14.545846	-168.144437	B1	12/5/2019	21:26	3/20/2024	8:10	8:10	34.7	2/1/2020 9:00	57.5
TIDBIT	20432408	12/31/2019	28.1	American Samoa	Rose Island	-14.545846	-168.144437	B1	12/5/2019	21:26	3/20/2024	8:10	8:10	34.7	2/1/2020 9:00	57.5
TIDBIT	20432408	1/1/2020	28.3	American Samoa	Rose Island	-14.545846	-168.144437	B1	12/5/2019	21:26	3/20/2024	8:10	8:10	34.7	2/1/2020 9:00	57.5
TIDBIT	20432408	1/2/2020	28.4	American Samoa	Rose Island	-14.545846	-168.144437	B1	12/5/2019	21:26	3/20/2024	8:10	8:10	34.7	2/1/2020 9:00	57.5
TIDBIT	20432408	1/3/2020	28.5	American Samoa	Rose Island	-14.545846	-168.144437	B1	12/5/2019	21:26	3/20/2024	8:10	8:10	34.7	2/1/2020 9:00	57.5
TIDBIT	20432408	1/4/2020	28.1	American Samoa	Rose Island	-14.545846	-168.144437	B1	12/5/2019	21:26	3/20/2024	8:10	8:10	34.7	2/1/2020 9:00	57.5
TIDBIT	20432408	1/5/2020	27.8	American Samoa	Rose Island	-14.545846	-168.144437	B1	12/5/2019	21:26	3/20/2024	8:10	8:10	34.7	2/1/2020 9:00	57.5
TIDBIT	20432408	1/6/2020	28.2	American Samoa	Rose Island	-14.545846	-168.144437	B1	12/5/2019	21:26	3/20/2024	8:10	8:10	34.7	2/1/2020 9:00	57.5
TIDBIT	20432408	1/7/2020	28.6	American Samoa	Rose Island	-14.545846	-168.144437	B1	12/5/2019	21:26	3/20/2024	8:10	8:10	34.7	2/1/2020 9:00	57.5
TIDBIT	20432408	1/8/2020	28.9	American Samoa	Rose Island	-14.545846	-168.144437	B1	12/5/2019	21:26	3/20/2024	8:10	8:10	34.7	2/1/2020 9:00	57.5

Supplemental Table 6. Summary of daily average temperatures recorded by temperature data loggers (n=30, HOBO TidbiT) including the logger type, logger number, temperature daily average, region, island, latitutde and longitude of deployment, turtle mototool number, date and time deployed, date and time of excavation, retrieval time of logger, maximum temperature, date and time of maximum temperature, and days to maximum temperature.

TIDBIT	20432408	1/9/2020	29.4	American Samoa	Rose Island	-14.545846	-168.144437	B1	12/5/2019	21:26	3/20/2024	8:10	8:10	34.7	2/1/2020 9:00	57.5
TIDBIT	20432408	1/10/2020	29.7	American Samoa	Rose Island	-14.545846	-168.144437	B1	12/5/2019	21:26	3/20/2024	8:10	8:10	34.7	2/1/2020 9:00	57.5
TIDBIT	20432408	1/11/2020	30.0	American Samoa	Rose Island	-14.545846	-168.144437	B1	12/5/2019	21:26	3/20/2024	8:10	8:10	34.7	2/1/2020 9:00	57.5
TIDBIT	20432408	1/12/2020	30.3	American Samoa	Rose Island	-14.545846	-168.144437	B1	12/5/2019	21:26	3/20/2024	8:10	8:10	34.7	2/1/2020 9:00	57.5
TIDBIT	20432408	1/13/2020	30.4	American Samoa	Rose Island	-14.545846	-168.144437	B1	12/5/2019	21:26	3/20/2024	8:10	8:10	34.7	2/1/2020 9:00	57.5
TIDBIT	20432408	1/14/2020	30.0	American Samoa	Rose Island	-14.545846	-168.144437	B1	12/5/2019	21:26	3/20/2024	8:10	8:10	34.7	2/1/2020 9:00	57.5
TIDBIT	20432408	1/15/2020	29.9	American Samoa	Rose Island	-14.545846	-168.144437	B1	12/5/2019	21:26	3/20/2024	8:10	8:10	34.7	2/1/2020 9:00	57.5
TIDBIT	20432408	1/16/2020	30.0	American Samoa	Rose Island	-14.545846	-168.144437	B1	12/5/2019	21:26	3/20/2024	8:10	8:10	34.7	2/1/2020 9:00	57.5
TIDBIT	20432408	1/17/2020	30.1	American Samoa	Rose Island	-14.545846	-168.144437	B1	12/5/2019	21:26	3/20/2024	8:10	8:10	34.7	2/1/2020 9:00	57.5
TIDBIT	20432408	1/18/2020	30.5	American Samoa	Rose Island	-14.545846	-168.144437	B1	12/5/2019	21:26	3/20/2024	8:10	8:10	34.7	2/1/2020 9:00	57.5
TIDBIT	20432408	1/19/2020	30.8	American Samoa	Rose Island	-14.545846	-168.144437	B1	12/5/2019	21:26	3/20/2024	8:10	8:10	34.7	2/1/2020 9:00	57.5
TIDBIT	20432408	1/20/2020	30.4	American Samoa	Rose Island	-14.545846	-168.144437	B1	12/5/2019	21:26	3/20/2024	8:10	8:10	34.7	2/1/2020 9:00	57.5
TIDBIT	20432408	1/21/2020	30.3	American Samoa	Rose Island	-14.545846	-168.144437	B1	12/5/2019	21:26	3/20/2024	8:10	8:10	34.7	2/1/2020 9:00	57.5
TIDBIT	20432408	1/22/2020	30.2	American Samoa	Rose Island	-14.545846	-168.144437	B1	12/5/2019	21:26	3/20/2024	8:10	8:10	34.7	2/1/2020 9:00	57.5
TIDBIT	20432408	1/23/2020	30.5	American Samoa	Rose Island	-14.545846	-168.144437	B1	12/5/2019	21:26	3/20/2024	8:10	8:10	34.7	2/1/2020 9:00	57.5
TIDBIT	20432408	1/24/2020	30.6	American Samoa	Rose Island	-14.545846	-168.144437	B1	12/5/2019	21:26	3/20/2024	8:10	8:10	34.7	2/1/2020 9:00	57.5
TIDBIT	20432408	1/25/2020	30.7	American Samoa	Rose Island	-14.545846	-168.144437	B1	12/5/2019	21:26	3/20/2024	8:10	8:10	34.7	2/1/2020 9:00	57.5
TIDBIT	20432408	1/26/2020	31.0	American Samoa	Rose Island	-14.545846	-168.144437	B1	12/5/2019	21:26	3/20/2024	8:10	8:10	34.7	2/1/2020 9:00	57.5
TIDBIT	20432408	1/27/2020	31.5	American Samoa	Rose Island	-14.545846	-168.144437	B1	12/5/2019	21:26	3/20/2024	8:10	8:10	34.7	2/1/2020 9:00	57.5
TIDBIT	20432408	1/28/2020	32.0	American Samoa	Rose Island	-14.545846	-168.144437	B1	12/5/2019	21:26	3/20/2024	8:10	8:10	34.7	2/1/2020 9:00	57.5
TIDBIT	20432408	1/29/2020	32.3	American Samoa	Rose Island	-14.545846	-168.144437	B1	12/5/2019	21:26	3/20/2024	8:10	8:10	34.7	2/1/2020 9:00	57.5
TIDBIT	20432408	1/30/2020	32.4	American Samoa	Rose Island	-14.545846	-168.144437	B1	12/5/2019	21:26	3/20/2024	8:10	8:10	34.7	2/1/2020 9:00	57.5
TIDBIT	20432408	1/31/2020	33.1	American Samoa	Rose Island	-14.545846	-168.144437	B1	12/5/2019	21:26	3/20/2024	8:10	8:10	34.7	2/1/2020 9:00	57.5
TIDBIT	20432408	2/1/2020	34.6	American Samoa	Rose Island	-14.545846	-168.144437	B1	12/5/2019	21:26	3/20/2024	8:10	8:10	34.7	2/1/2020 9:00	57.5
TIDBIT	20432409	12/8/2019	29.2	American Samoa	Rose Island	-14.545698	-168.144489	C7	12/7/2019	21:25	3/20/2023	10:45	10:45	33.0	1/29/2020 9:00	52.5
TIDBIT	20432409	12/9/2019	29.2	American Samoa	Rose Island	-14.545698	-168.144489	C7	12/7/2019	21:25	3/20/2023	10:45	10:45	33.0	1/29/2020 9:00	52.5
TIDBIT	20432409	12/10/2019	29.1	American Samoa	Rose Island	-14.545698	-168.144489	C7	12/7/2019	21:25	3/20/2023	10:45	10:45	33.0	1/29/2020 9:00	52.5
TIDBIT	20432409	12/11/2019	29.1	American Samoa	Rose Island	-14.545698	-168.144489	C7	12/7/2019	21:25	3/20/2023	10:45	10:45	33.0	1/29/2020 9:00	52.5
TIDBIT	20432409	12/12/2019	29.2	American Samoa	Rose Island	-14.545698	-168.144489	C7	12/7/2019	21:25	3/20/2023	10:45	10:45	33.0	1/29/2020 9:00	52.5
TIDBIT	20432409	12/13/2019	29.2	American Samoa	Rose Island	-14.545698	-168.144489	C7	12/7/2019	21:25	3/20/2023	10:45	10:45	33.0	1/29/2020 9:00	52.5
TIDBIT	20432409	12/14/2019	29.4	American Samoa	Rose Island	-14.545698	-168.144489	C7	12/7/2019	21:25	3/20/2023	10:45	10:45	33.0	1/29/2020 9:00	52.5
TIDBIT	20432409	12/15/2019	29.4	American Samoa	Rose Island	-14.545698	-168.144489	C7	12/7/2019	21:25	3/20/2023	10:45	10:45	33.0	1/29/2020 9:00	52.5
TIDBIT	20432409	12/16/2019	29.3	American Samoa	Rose Island	-14.545698	-168.144489	C7	12/7/2019	21:25	3/20/2023	10:45	10:45	33.0	1/29/2020 9:00	52.5
TIDBIT	20432409	12/17/2019	29.3	American Samoa	Rose Island	-14.545698	-168.144489	C7	12/7/2019	21:25	3/20/2023	10:45	10:45	33.0	1/29/2020 9:00	52.5
TIDBIT	20432409	12/18/2019	29.3	American Samoa	Rose Island	-14.545698	-168.144489	C7	12/7/2019	21:25	3/20/2023	10:45	10:45	33.0	1/29/2020 9:00	52.5
TIDBIT	20432409	12/19/2019	28.8	American Samoa	Rose Island	-14.545698	-168.144489	C7	12/7/2019	21:25	3/20/2023	10:45	10:45	33.0	1/29/2020 9:00	52.5
TIDBIT	20432409	12/20/2019	28.7	American Samoa	Rose Island	-14.545698	-168.144489	C7	12/7/2019	21:25	3/20/2023	10:45	10:45	33.0	1/29/2020 9:00	52.5
TIDBIT	20432409	12/21/2019	28.8	American Samoa	Rose Island	-14.545698	-168.144489	C7	12/7/2019	21:25	3/20/2023	10:45	10:45	33.0	1/29/2020 9:00	52.5
TIDBIT	20432409	12/22/2019	29.0	American Samoa	Rose Island	-14.545698	-168.144489	C7	12/7/2019	21:25	3/20/2023	10:45	10:45	33.0	1/29/2020 9:00	52.5
TIDBIT	20432409	12/23/2019	28.9	American Samoa	Rose Island	-14.545698	-168.144489	C7	12/7/2019	21:25	3/20/2023	10:45	10:45	33.0	1/29/2020 9:00	52.5
TIDBIT	20432409	12/24/2019	28.6	American Samoa	Rose Island	-14.545698	-168.144489	C7	12/7/2019	21:25	3/20/2023	10:45	10:45	33.0	1/29/2020 9:00	52.5
TIDBIT	20432409	12/25/2019	28.7	American Samoa	Rose Island	-14.545698	-168.144489	C7	12/7/2019	21:25	3/20/2023	10:45	10:45	33.0	1/29/2020 9:00	52.5
TIDBIT	20432409	12/26/2019	28.8	American Samoa	Rose Island	-14.545698	-168.144489	C7	12/7/2019	21:25	3/20/2023	10:45	10:45	33.0	1/29/2020 9:00	52.5
TIDBIT	20432409	12/27/2019	29.0	American Samoa	Rose Island	-14.545698	-168.144489	C7	12/7/2019	21:25	3/20/2023	10:45	10:45	33.0	1/29/2020 9:00	52.5
TIDBIT	20432409	12/28/2019	29.1	American Samoa	Rose Island	-14.545698	-168.144489	C7	12/7/2019	21:25	3/20/2023	10:45	10:45	33.0	1/29/2020 9:00	52.5
TIDBIT	20432409	12/29/2019	29.1	American Samoa	Rose Island	-14.545698	-168.144489	C7	12/7/2019	21:25	3/20/2023	10:45	10:45	33.0	1/29/2020 9:00	52.5
TIDBIT	20432409	12/30/2019	29.2	American Samoa	Rose Island	-14.545698	-168.144489	C7	12/7/2019	21:25	3/20/2023	10:45	10:45	33.0	1/29/2020 9:00	52.5
TIDBIT	20432409	12/31/2019	29.3	American Samoa	Rose Island	-14.545698	-168.144489	C7	12/7/2019	21:25	3/20/2023	10:45	10:45	33.0	1/29/2020 9:00	52.5
TIDBIT	20432409	1/1/2020	29.4	American Samoa	Rose Island	-14.545698	-168.144489	C7	12/7/2019	21:25	3/20/2023	10:45	10:45	33.0	1/29/2020 9:00	52.5
TIDBIT	20432409	1/2/2020	29.5	American Samoa	Rose Island	-14.545698	-168.144489	C7	12/7/2019	21:25	3/20/2023	10:45	10:45	33.0	1/29/2020 9:00	52.5
TIDBIT	20432409	1/3/2020	29.7	American Samoa	Rose Island	-14.545698	-168.144489	C7	12/7/2019	21:25	3/20/2023	10:45	10:45	33.0	1/29/2020 9:00	52.5
TIDBIT	20432409	1/4/2020	29.6	American Samoa	Rose Island	-14.545698	-168.144489	C7	12/7/2019	21:25	3/20/2023	10:45	10:45	33.0	1/29/2020 9:00	52.5
TIDBIT	20432409	1/5/2020	29.4	American Samoa	Rose Island	-14.545698	-168.144489	C7	12/7/2019	21:25	3/20/2023	10:45	10:45	33.0	1/29/2020 9:00	52.5
TIDBIT	20432409	1/6/2020	29.6	American Samoa	Rose Island	-14.545698	-168.144489	C7	12/7/2019	21:25	3/20/2023	10:45	10:45	33.0	1/29/2020 9:00	52.5
TIDBIT	20432409	1/7/2020	29.9	American Samoa	Rose Island	-14.545698	-168.144489	C7	12/7/2019	21:25	3/20/2023	10:45	10:45	33.0	1/29/2020 9:00	52.5

Supplemental Table 6. Summary of daily average temperatures recorded by temperature data loggers (n=30, HOBO TidbiT) including the logger type, logger number, temperature daily average, region, island, latitutude and longitude of deployment, turtle mototool number, date and time deployed, date and time of excavation, retrieval time of logger, maximum temperature, date and time of maximum temperature, and days to maximum temperature.

TIDBIT	20432409	1/8/2020	30.2	American Samoa	Rose Island	-14.545698	-168.144489	C7	12/7/2019	21:25	3/20/2023	10:45	10:45	33.0	1/29/2020 9:00	52.5
TIDBIT	20432409	1/9/2020	30.4	American Samoa	Rose Island	-14.545698	-168.144489	C7	12/7/2019	21:25	3/20/2023	10:45	10:45	33.0	1/29/2020 9:00	52.5
TIDBIT	20432409	1/10/2020	30.7	American Samoa	Rose Island	-14.545698	-168.144489	C7	12/7/2019	21:25	3/20/2023	10:45	10:45	33.0	1/29/2020 9:00	52.5
TIDBIT	20432409	1/11/2020	30.9	American Samoa	Rose Island	-14.545698	-168.144489	C7	12/7/2019	21:25	3/20/2023	10:45	10:45	33.0	1/29/2020 9:00	52.5
TIDBIT	20432409	1/12/2020	31.2	American Samoa	Rose Island	-14.545698	-168.144489	C7	12/7/2019	21:25	3/20/2023	10:45	10:45	33.0	1/29/2020 9:00	52.5
TIDBIT	20432409	1/13/2020	31.5	American Samoa	Rose Island	-14.545698	-168.144489	C7	12/7/2019	21:25	3/20/2023	10:45	10:45	33.0	1/29/2020 9:00	52.5
TIDBIT	20432409	1/14/2020	31.5	American Samoa	Rose Island	-14.545698	-168.144489	C7	12/7/2019	21:25	3/20/2023	10:45	10:45	33.0	1/29/2020 9:00	52.5
TIDBIT	20432409	1/15/2020	31.4	American Samoa	Rose Island	-14.545698	-168.144489	C7	12/7/2019	21:25	3/20/2023	10:45	10:45	33.0	1/29/2020 9:00	52.5
TIDBIT	20432409	1/16/2020	31.6	American Samoa	Rose Island	-14.545698	-168.144489	C7	12/7/2019	21:25	3/20/2023	10:45	10:45	33.0	1/29/2020 9:00	52.5
TIDBIT	20432409	1/17/2020	31.8	American Samoa	Rose Island	-14.545698	-168.144489	C7	12/7/2019	21:25	3/20/2023	10:45	10:45	33.0	1/29/2020 9:00	52.5
TIDBIT	20432409	1/18/2020	32.0	American Samoa	Rose Island	-14.545698	-168.144489	C7	12/7/2019	21:25	3/20/2023	10:45	10:45	33.0	1/29/2020 9:00	52.5
TIDBIT	20432409	1/19/2020	32.1	American Samoa	Rose Island	-14.545698	-168.144489	C7	12/7/2019	21:25	3/20/2023	10:45	10:45	33.0	1/29/2020 9:00	52.5
TIDBIT	20432409	1/20/2020	31.8	American Samoa	Rose Island	-14.545698	-168.144489	C7	12/7/2019	21:25	3/20/2023	10:45	10:45	33.0	1/29/2020 9:00	52.5
TIDBIT	20432409	1/21/2020	31.4	American Samoa	Rose Island	-14.545698	-168.144489	C7	12/7/2019	21:25	3/20/2023	10:45	10:45	33.0	1/29/2020 9:00	52.5
TIDBIT	20432409	1/22/2020	31.3	American Samoa	Rose Island	-14.545698	-168.144489	C7	12/7/2019	21:25	3/20/2023	10:45	10:45	33.0	1/29/2020 9:00	52.5
TIDBIT	20432409	1/23/2020	31.5	American Samoa	Rose Island	-14.545698	-168.144489	C7	12/7/2019	21:25	3/20/2023	10:45	10:45	33.0	1/29/2020 9:00	52.5
TIDBIT	20432409	1/24/2020	31.3	American Samoa	Rose Island	-14.545698	-168.144489	C7	12/7/2019	21:25	3/20/2023	10:45	10:45	33.0	1/29/2020 9:00	52.5
TIDBIT	20432409	1/25/2020	31.3	American Samoa	Rose Island	-14.545698	-168.144489	C7	12/7/2019	21:25	3/20/2023	10:45	10:45	33.0	1/29/2020 9:00	52.5
TIDBIT	20432409	1/26/2020	31.5	American Samoa	Rose Island	-14.545698	-168.144489	C7	12/7/2019	21:25	3/20/2023	10:45	10:45	33.0	1/29/2020 9:00	52.5
TIDBIT	20432409	1/27/2020	31.8	American Samoa	Rose Island	-14.545698	-168.144489	C7	12/7/2019	21:25	3/20/2023	10:45	10:45	33.0	1/29/2020 9:00	52.5
TIDBIT	20432409	1/28/2020	32.3	American Samoa	Rose Island	-14.545698	-168.144489	C7	12/7/2019	21:25	3/20/2023	10:45	10:45	33.0	1/29/2020 9:00	52.5
TIDBIT	20432409	1/29/2020	32.9	American Samoa	Rose Island	-14.545698	-168.144489	C7	12/7/2019	21:25	3/20/2023	10:45	10:45	33.0	1/29/2020 9:00	52.5
TIDBIT	20432411	12/10/2019	28.9	American Samoa	Rose Island	-14.546301	-168.144066	E4	12/8/2019	23:20	3/20/2024	9:20	9:20	34.1	1/31/2020 11:00	53.5
TIDBIT	20432411	12/11/2019	28.8	American Samoa	Rose Island	-14.546301	-168.144066	E4	12/8/2019	23:20	3/20/2024	9:20	9:20	34.1	1/31/2020 11:00	53.5
TIDBIT	20432411	12/12/2019	28.8	American Samoa	Rose Island	-14.546301	-168.144066	E4	12/8/2019	23:20	3/20/2024	9:20	9:20	34.1	1/31/2020 11:00	53.5
TIDBIT	20432411	12/13/2019	28.8	American Samoa	Rose Island	-14.546301	-168.144066	E4	12/8/2019	23:20	3/20/2024	9:20	9:20	34.1	1/31/2020 11:00	53.5
TIDBIT	20432411	12/14/2019	28.9	American Samoa	Rose Island	-14.546301	-168.144066	E4	12/8/2019	23:20	3/20/2024	9:20	9:20	34.1	1/31/2020 11:00	53.5
TIDBIT	20432411	12/15/2019	28.9	American Samoa	Rose Island	-14.546301	-168.144066	E4	12/8/2019	23:20	3/20/2024	9:20	9:20	34.1	1/31/2020 11:00	53.5
TIDBIT	20432411	12/16/2019	28.8	American Samoa	Rose Island	-14.546301	-168.144066	E4	12/8/2019	23:20	3/20/2024	9:20	9:20	34.1	1/31/2020 11:00	53.5
TIDBIT	20432411	12/17/2019	28.7	American Samoa	Rose Island	-14.546301	-168.144066	E4	12/8/2019	23:20	3/20/2024	9:20	9:20	34.1	1/31/2020 11:00	53.5
TIDBIT	20432411	12/18/2019	28.6	American Samoa	Rose Island	-14.546301	-168.144066	E4	12/8/2019	23:20	3/20/2024	9:20	9:20	34.1	1/31/2020 11:00	53.5
TIDBIT	20432411	12/19/2019	28.2	American Samoa	Rose Island	-14.546301	-168.144066	E4	12/8/2019	23:20	3/20/2024	9:20	9:20	34.1	1/31/2020 11:00	53.5
TIDBIT	20432411	12/20/2019	28.1	American Samoa	Rose Island	-14.546301	-168.144066	E4	12/8/2019	23:20	3/20/2024	9:20	9:20	34.1	1/31/2020 11:00	53.5
TIDBIT	20432411	12/21/2019	28.2	American Samoa	Rose Island	-14.546301	-168.144066	E4	12/8/2019	23:20	3/20/2024	9:20	9:20	34.1	1/31/2020 11:00	53.5
TIDBIT	20432411	12/22/2019	28.4	American Samoa	Rose Island	-14.546301	-168.144066	E4	12/8/2019	23:20	3/20/2024	9:20	9:20	34.1	1/31/2020 11:00	53.5
TIDBIT	20432411	12/23/2019	28.4	American Samoa	Rose Island	-14.546301	-168.144066	E4	12/8/2019	23:20	3/20/2024	9:20	9:20	34.1	1/31/2020 11:00	53.5
TIDBIT	20432411	12/24/2019	28.2	American Samoa	Rose Island	-14.546301	-168.144066	E4	12/8/2019	23:20	3/20/2024	9:20	9:20	34.1	1/31/2020 11:00	53.5
TIDBIT	20432411	12/25/2019	28.1	American Samoa	Rose Island	-14.546301	-168.144066	E4	12/8/2019	23:20	3/20/2024	9:20	9:20	34.1	1/31/2020 11:00	53.5
TIDBIT	20432411	12/26/2019	28.2	American Samoa	Rose Island	-14.546301	-168.144066	E4	12/8/2019	23:20	3/20/2024	9:20	9:20	34.1	1/31/2020 11:00	53.5
TIDBIT	20432411	12/27/2019	28.3	American Samoa	Rose Island	-14.546301	-168.144066	E4	12/8/2019	23:20	3/20/2024	9:20	9:20	34.1	1/31/2020 11:00	53.5
TIDBIT	20432411	12/28/2019	28.4	American Samoa	Rose Island	-14.546301	-168.144066	E4	12/8/2019	23:20	3/20/2024	9:20	9:20	34.1	1/31/2020 11:00	53.5
TIDBIT	20432411	12/29/2019	28.4	American Samoa	Rose Island	-14.546301	-168.144066	E4	12/8/2019	23:20	3/20/2024	9:20	9:20	34.1	1/31/2020 11:00	53.5
TIDBIT	20432411	12/30/2019	28.5	American Samoa	Rose Island	-14.546301	-168.144066	E4	12/8/2019	23:20	3/20/2024	9:20	9:20	34.1	1/31/2020 11:00	53.5
TIDBIT	20432411	12/31/2019	28.6	American Samoa	Rose Island	-14.546301	-168.144066	E4	12/8/2019	23:20	3/20/2024	9:20	9:20	34.1	1/31/2020 11:00	53.5
TIDBIT	20432411	1/1/2020	28.7	American Samoa	Rose Island	-14.546301	-168.144066	E4	12/8/2019	23:20	3/20/2024	9:20	9:20	34.1	1/31/2020 11:00	53.5
TIDBIT	20432411	1/2/2020	28.8	American Samoa	Rose Island	-14.546301	-168.144066	E4	12/8/2019	23:20	3/20/2024	9:20	9:20	34.1	1/31/2020 11:00	53.5
TIDBIT	20432411	1/3/2020	28.8	American Samoa	Rose Island	-14.546301	-168.144066	E4	12/8/2019	23:20	3/20/2024	9:20	9:20	34.1	1/31/2020 11:00	53.5
TIDBIT	20432411	1/4/2020	28.6	American Samoa	Rose Island	-14.546301	-168.144066	E4	12/8/2019	23:20	3/20/2024	9:20	9:20	34.1	1/31/2020 11:00	53.5
TIDBIT	20432411	1/5/2020	28.5	American Samoa	Rose Island	-14.546301	-168.144066	E4	12/8/2019	23:20	3/20/2024	9:20	9:20	34.1	1/31/2020 11:00	53.5
TIDBIT	20432411	1/6/2020	28.6	American Samoa	Rose Island	-14.546301	-168.144066	E4	12/8/2019	23:20	3/20/2024	9:20	9:20	34.1	1/31/2020 11:00	53.5
TIDBIT	20432411	1/7/2020	28.8	American Samoa	Rose Island	-14.546301	-168.144066	E4	12/8/2019	23:20	3/20/2024	9:20	9:20	34.1	1/31/2020 11:00	53.5
TIDBIT	20432411	1/8/2020	29.0	American Samoa	Rose Island	-14.546301	-168.144066	E4	12/8/2019	23:20	3/20/2024	9:20	9:20	34.1	1/31/2020 11:00	53.5
TIDBIT	20432411	1/9/2020	29.2	American Samoa	Rose Island	-14.546301	-168.144066	E4	12/8/2019	23:20	3/20/2024	9:20	9:20	34.1	1/31/2020 11:00	53.5
TIDBIT	20432411	1/10/2020	29.5	American Samoa	Rose Island	-14.546301	-168.144066	E4	12/8/2019	23:20	3/20/2024	9:20	9:20	34.1	1/31/2020 11:00	53.5
TIDBIT	20432411	1/11/2020	29.9	American Samoa	Rose Island	-14.546301	-168.144066	E4	12/8/2019	23:20	3/20/2024	9:20	9:20	34.1	1/31/2020 11:00	53.5

Supplemental Table 6. Summary of daily average temperatures recorded by temperature data loggers (n=30, HOBO TidbiT) including the logger type, logger number, temperature daily average, region, island, latitutude and longitude of deployment, turtle mototool number, date and time deployed, date and time of excavation, retrieval time of logger, maximum temperature, date and time of maximum temperature, and days to maximum temperature.

TIDBIT	20432411	1/12/2020	30.2	American Samoa	Rose Island	-14.546301	-168.144066	E4	12/8/2019	23:20	3/20/2024	9:20	9:20	34.1	1/31/2020 11:00	53.5
TIDBIT	20432411	1/13/2020	30.4	American Samoa	Rose Island	-14.546301	-168.144066	E4	12/8/2019	23:20	3/20/2024	9:20	9:20	34.1	1/31/2020 11:00	53.5
TIDBIT	20432411	1/14/2020	30.5	American Samoa	Rose Island	-14.546301	-168.144066	E4	12/8/2019	23:20	3/20/2024	9:20	9:20	34.1	1/31/2020 11:00	53.5
TIDBIT	20432411	1/15/2020	30.4	American Samoa	Rose Island	-14.546301	-168.144066	E4	12/8/2019	23:20	3/20/2024	9:20	9:20	34.1	1/31/2020 11:00	53.5
TIDBIT	20432411	1/16/2020	30.5	American Samoa	Rose Island	-14.546301	-168.144066	E4	12/8/2019	23:20	3/20/2024	9:20	9:20	34.1	1/31/2020 11:00	53.5
TIDBIT	20432411	1/17/2020	30.6	American Samoa	Rose Island	-14.546301	-168.144066	E4	12/8/2019	23:20	3/20/2024	9:20	9:20	34.1	1/31/2020 11:00	53.5
TIDBIT	20432411	1/18/2020	30.7	American Samoa	Rose Island	-14.546301	-168.144066	E4	12/8/2019	23:20	3/20/2024	9:20	9:20	34.1	1/31/2020 11:00	53.5
TIDBIT	20432411	1/19/2020	31.3	American Samoa	Rose Island	-14.546301	-168.144066	E4	12/8/2019	23:20	3/20/2024	9:20	9:20	34.1	1/31/2020 11:00	53.5
TIDBIT	20432411	1/20/2020	31.5	American Samoa	Rose Island	-14.546301	-168.144066	E4	12/8/2019	23:20	3/20/2024	9:20	9:20	34.1	1/31/2020 11:00	53.5
TIDBIT	20432411	1/21/2020	31.5	American Samoa	Rose Island	-14.546301	-168.144066	E4	12/8/2019	23:20	3/20/2024	9:20	9:20	34.1	1/31/2020 11:00	53.5
TIDBIT	20432411	1/22/2020	31.6	American Samoa	Rose Island	-14.546301	-168.144066	E4	12/8/2019	23:20	3/20/2024	9:20	9:20	34.1	1/31/2020 11:00	53.5
TIDBIT	20432411	1/23/2020	31.9	American Samoa	Rose Island	-14.546301	-168.144066	E4	12/8/2019	23:20	3/20/2024	9:20	9:20	34.1	1/31/2020 11:00	53.5
TIDBIT	20432411	1/24/2020	31.8	American Samoa	Rose Island	-14.546301	-168.144066	E4	12/8/2019	23:20	3/20/2024	9:20	9:20	34.1	1/31/2020 11:00	53.5
TIDBIT	20432411	1/25/2020	31.9	American Samoa	Rose Island	-14.546301	-168.144066	E4	12/8/2019	23:20	3/20/2024	9:20	9:20	34.1	1/31/2020 11:00	53.5
TIDBIT	20432411	1/26/2020	32.3	American Samoa	Rose Island	-14.546301	-168.144066	E4	12/8/2019	23:20	3/20/2024	9:20	9:20	34.1	1/31/2020 11:00	53.5
TIDBIT	20432411	1/27/2020	32.6	American Samoa	Rose Island	-14.546301	-168.144066	E4	12/8/2019	23:20	3/20/2024	9:20	9:20	34.1	1/31/2020 11:00	53.5
TIDBIT	20432411	1/28/2020	32.8	American Samoa	Rose Island	-14.546301	-168.144066	E4	12/8/2019	23:20	3/20/2024	9:20	9:20	34.1	1/31/2020 11:00	53.5
TIDBIT	20432411	1/29/2020	32.8	American Samoa	Rose Island	-14.546301	-168.144066	E4	12/8/2019	23:20	3/20/2024	9:20	9:20	34.1	1/31/2020 11:00	53.5
TIDBIT	20432411	1/30/2020	33.2	American Samoa	Rose Island	-14.546301	-168.144066	E4	12/8/2019	23:20	3/20/2024	9:20	9:20	34.1	1/31/2020 11:00	53.5
TIDBIT	20432411	1/31/2020	33.7	American Samoa	Rose Island	-14.546301	-168.144066	E4	12/8/2019	23:20	3/20/2024	9:20	9:20	34.1	1/31/2020 11:00	53.5
TIDBIT	20432412	12/11/2019	29.4	American Samoa	Rose Island	-14.546994	-168.143656	F1	12/9/2019	23:25	3/20/2023	13:40	13:40	32.9	2/2/2020 3:00	54.1
TIDBIT	20432412	12/12/2019	29.6	American Samoa	Rose Island	-14.546994	-168.143656	F1	12/9/2019	23:25	3/20/2023	13:40	13:40	32.9	2/2/2020 3:00	54.1
TIDBIT	20432412	12/13/2019	29.5	American Samoa	Rose Island	-14.546994	-168.143656	F1	12/9/2019	23:25	3/20/2023	13:40	13:40	32.9	2/2/2020 3:00	54.1
TIDBIT	20432412	12/14/2019	29.9	American Samoa	Rose Island	-14.546994	-168.143656	F1	12/9/2019	23:25	3/20/2023	13:40	13:40	32.9	2/2/2020 3:00	54.1
TIDBIT	20432412	12/15/2019	29.5	American Samoa	Rose Island	-14.546994	-168.143656	F1	12/9/2019	23:25	3/20/2023	13:40	13:40	32.9	2/2/2020 3:00	54.1
TIDBIT	20432412	12/16/2019	29.3	American Samoa	Rose Island	-14.546994	-168.143656	F1	12/9/2019	23:25	3/20/2023	13:40	13:40	32.9	2/2/2020 3:00	54.1
TIDBIT	20432412	12/17/2019	29.3	American Samoa	Rose Island	-14.546994	-168.143656	F1	12/9/2019	23:25	3/20/2023	13:40	13:40	32.9	2/2/2020 3:00	54.1
TIDBIT	20432412	12/18/2019	29.2	American Samoa	Rose Island	-14.546994	-168.143656	F1	12/9/2019	23:25	3/20/2023	13:40	13:40	32.9	2/2/2020 3:00	54.1
TIDBIT	20432412	12/19/2019	28.2	American Samoa	Rose Island	-14.546994	-168.143656	F1	12/9/2019	23:25	3/20/2023	13:40	13:40	32.9	2/2/2020 3:00	54.1
TIDBIT	20432412	12/20/2019	28.4	American Samoa	Rose Island	-14.546994	-168.143656	F1	12/9/2019	23:25	3/20/2023	13:40	13:40	32.9	2/2/2020 3:00	54.1
TIDBIT	20432412	12/21/2019	28.8	American Samoa	Rose Island	-14.546994	-168.143656	F1	12/9/2019	23:25	3/20/2023	13:40	13:40	32.9	2/2/2020 3:00	54.1
TIDBIT	20432412	12/22/2019	29.0	American Samoa	Rose Island	-14.546994	-168.143656	F1	12/9/2019	23:25	3/20/2023	13:40	13:40	32.9	2/2/2020 3:00	54.1
TIDBIT	20432412	12/23/2019	28.6	American Samoa	Rose Island	-14.546994	-168.143656	F1	12/9/2019	23:25	3/20/2023	13:40	13:40	32.9	2/2/2020 3:00	54.1
TIDBIT	20432412	12/24/2019	28.1	American Samoa	Rose Island	-14.546994	-168.143656	F1	12/9/2019	23:25	3/20/2023	13:40	13:40	32.9	2/2/2020 3:00	54.1
TIDBIT	20432412	12/25/2019	28.2	American Samoa	Rose Island	-14.546994	-168.143656	F1	12/9/2019	23:25	3/20/2023	13:40	13:40	32.9	2/2/2020 3:00	54.1
TIDBIT	20432412	12/26/2019	28.5	American Samoa	Rose Island	-14.546994	-168.143656	F1	12/9/2019	23:25	3/20/2023	13:40	13:40	32.9	2/2/2020 3:00	54.1
TIDBIT	20432412	12/27/2019	28.4	American Samoa	Rose Island	-14.546994	-168.143656	F1	12/9/2019	23:25	3/20/2023	13:40	13:40	32.9	2/2/2020 3:00	54.1
TIDBIT	20432412	12/28/2019	28.5	American Samoa	Rose Island	-14.546994	-168.143656	F1	12/9/2019	23:25	3/20/2023	13:40	13:40	32.9	2/2/2020 3:00	54.1
TIDBIT	20432412	12/29/2019	28.5	American Samoa	Rose Island	-14.546994	-168.143656	F1	12/9/2019	23:25	3/20/2023	13:40	13:40	32.9	2/2/2020 3:00	54.1
TIDBIT	20432412	12/30/2019	28.7	American Samoa	Rose Island	-14.546994	-168.143656	F1	12/9/2019	23:25	3/20/2023	13:40	13:40	32.9	2/2/2020 3:00	54.1
TIDBIT	20432412	12/31/2019	28.8	American Samoa	Rose Island	-14.546994	-168.143656	F1	12/9/2019	23:25	3/20/2023	13:40	13:40	32.9	2/2/2020 3:00	54.1
TIDBIT	20432412	1/1/2020	28.9	American Samoa	Rose Island	-14.546994	-168.143656	F1	12/9/2019	23:25	3/20/2023	13:40	13:40	32.9	2/2/2020 3:00	54.1
TIDBIT	20432412	1/2/2020	28.9	American Samoa	Rose Island	-14.546994	-168.143656	F1	12/9/2019	23:25	3/20/2023	13:40	13:40	32.9	2/2/2020 3:00	54.1
TIDBIT	20432412	1/3/2020	28.8	American Samoa	Rose Island	-14.546994	-168.143656	F1	12/9/2019	23:25	3/20/2023	13:40	13:40	32.9	2/2/2020 3:00	54.1
TIDBIT	20432412	1/4/2020	28.4	American Samoa	Rose Island	-14.546994	-168.143656	F1	12/9/2019	23:25	3/20/2023	13:40	13:40	32.9	2/2/2020 3:00	54.1
TIDBIT	20432412	1/5/2020	28.1	American Samoa	Rose Island	-14.546994	-168.143656	F1	12/9/2019	23:25	3/20/2023	13:40	13:40	32.9	2/2/2020 3:00	54.1
TIDBIT	20432412	1/6/2020	28.4	American Samoa	Rose Island	-14.546994	-168.143656	F1	12/9/2019	23:25	3/20/2023	13:40	13:40	32.9	2/2/2020 3:00	54.1
TIDBIT	20432412	1/7/2020	28.7	American Samoa	Rose Island	-14.546994	-168.143656	F1	12/9/2019	23:25	3/20/2023	13:40	13:40	32.9	2/2/2020 3:00	54.1
TIDBIT	20432412	1/8/2020	28.9	American Samoa	Rose Island	-14.546994	-168.143656	F1	12/9/2019	23:25	3/20/2023	13:40	13:40	32.9	2/2/2020 3:00	54.1
TIDBIT	20432412	1/9/2020	29.3	American Samoa	Rose Island	-14.546994	-168.143656	F1	12/9/2019	23:25	3/20/2023	13:40	13:40	32.9	2/2/2020 3:00	54.1
TIDBIT	20432412	1/10/2020	29.5	American Samoa	Rose Island	-14.546994	-168.143656	F1	12/9/2019	23:25	3/20/2023	13:40	13:40	32.9	2/2/2020 3:00	54.1
TIDBIT	20432412	1/11/2020	29.7	American Samoa	Rose Island	-14.546994	-168.143656	F1	12/9/2019	23:25	3/20/2023	13:40	13:40	32.9	2/2/2020 3:00	54.1
TIDBIT	20432412	1/12/2020	29.9	American Samoa	Rose Island	-14.546994	-168.143656	F1	12/9/2019	23:25	3/20/2023	13:40	13:40	32.9	2/2/2020 3:00	54.1
TIDBIT	20432412	1/13/2020	29.8	American Samoa	Rose Island	-14.546994	-168.143656	F1	12/9/2019	23:25	3/20/2023	13:40	13:40	32.9	2/2/2020 3:00	54.1
TIDBIT	20432412	1/14/2020	29.4	American Samoa	Rose Island	-14.546994	-168.143656	F1	12/9/2019	23:25	3/20/2023	13:40	13:40	32.9	2/2/2020 3:00	54.1

Supplemental Table 6. Summary of daily average temperatures recorded by temperature data loggers (n=30, HOBO TidbiT) including the logger type, logger number, temperature daily average, region, island, latitutde and longitude of deployment, turtle mototool number, date and time deployed, date and time of excavation, retrieval time of logger, maximum temperature, date and time of maximum temperature, and days to maximum temperature.

TIDBIT	20432412	1/15/2020	29.2	American Samoa	Rose Island	-14.546994	-168.143656	F1	12/9/2019	23:25	3/20/2023	13:40	13:40	32.9	2/2/2020 3:00	54.1
TIDBIT	20432412	1/16/2020	29.3	American Samoa	Rose Island	-14.546994	-168.143656	F1	12/9/2019	23:25	3/20/2023	13:40	13:40	32.9	2/2/2020 3:00	54.1
TIDBIT	20432412	1/17/2020	29.3	American Samoa	Rose Island	-14.546994	-168.143656	F1	12/9/2019	23:25	3/20/2023	13:40	13:40	32.9	2/2/2020 3:00	54.1
TIDBIT	20432412	1/18/2020	29.4	American Samoa	Rose Island	-14.546994	-168.143656	F1	12/9/2019	23:25	3/20/2023	13:40	13:40	32.9	2/2/2020 3:00	54.1
TIDBIT	20432412	1/19/2020	29.7	American Samoa	Rose Island	-14.546994	-168.143656	F1	12/9/2019	23:25	3/20/2023	13:40	13:40	32.9	2/2/2020 3:00	54.1
TIDBIT	20432412	1/20/2020	29.6	American Samoa	Rose Island	-14.546994	-168.143656	F1	12/9/2019	23:25	3/20/2023	13:40	13:40	32.9	2/2/2020 3:00	54.1
TIDBIT	20432412	1/21/2020	29.2	American Samoa	Rose Island	-14.546994	-168.143656	F1	12/9/2019	23:25	3/20/2023	13:40	13:40	32.9	2/2/2020 3:00	54.1
TIDBIT	20432412	1/22/2020	29.1	American Samoa	Rose Island	-14.546994	-168.143656	F1	12/9/2019	23:25	3/20/2023	13:40	13:40	32.9	2/2/2020 3:00	54.1
TIDBIT	20432412	1/23/2020	29.4	American Samoa	Rose Island	-14.546994	-168.143656	F1	12/9/2019	23:25	3/20/2023	13:40	13:40	32.9	2/2/2020 3:00	54.1
TIDBIT	20432412	1/24/2020	29.4	American Samoa	Rose Island	-14.546994	-168.143656	F1	12/9/2019	23:25	3/20/2023	13:40	13:40	32.9	2/2/2020 3:00	54.1
TIDBIT	20432412	1/25/2020	29.6	American Samoa	Rose Island	-14.546994	-168.143656	F1	12/9/2019	23:25	3/20/2023	13:40	13:40	32.9	2/2/2020 3:00	54.1
TIDBIT	20432412	1/26/2020	30.0	American Samoa	Rose Island	-14.546994	-168.143656	F1	12/9/2019	23:25	3/20/2023	13:40	13:40	32.9	2/2/2020 3:00	54.1
TIDBIT	20432412	1/27/2020	30.5	American Samoa	Rose Island	-14.546994	-168.143656	F1	12/9/2019	23:25	3/20/2023	13:40	13:40	32.9	2/2/2020 3:00	54.1
TIDBIT	20432412	1/28/2020	31.0	American Samoa	Rose Island	-14.546994	-168.143656	F1	12/9/2019	23:25	3/20/2023	13:40	13:40	32.9	2/2/2020 3:00	54.1
TIDBIT	20432412	1/29/2020	31.2	American Samoa	Rose Island	-14.546994	-168.143656	F1	12/9/2019	23:25	3/20/2023	13:40	13:40	32.9	2/2/2020 3:00	54.1
TIDBIT	20432412	1/30/2020	31.5	American Samoa	Rose Island	-14.546994	-168.143656	F1	12/9/2019	23:25	3/20/2023	13:40	13:40	32.9	2/2/2020 3:00	54.1
TIDBIT	20432412	1/31/2020	31.9	American Samoa	Rose Island	-14.546994	-168.143656	F1	12/9/2019	23:25	3/20/2023	13:40	13:40	32.9	2/2/2020 3:00	54.1
TIDBIT	20432412	2/1/2020	32.4	American Samoa	Rose Island	-14.546994	-168.143656	F1	12/9/2019	23:25	3/20/2023	13:40	13:40	32.9	2/2/2020 3:00	54.1
TIDBIT	20432412	2/2/2020	32.9	American Samoa	Rose Island	-14.546994	-168.143656	F1	12/9/2019	23:25	3/20/2023	13:40	13:40	32.9	2/2/2020 3:00	54.1
TIDBIT	20432413	12/5/2019	29.4	American Samoa	Rose Island	-14.548092	-168.145626	A1	12/4/2019	20:10	3/20/2023	8:34	8:34	33.4	2/2/2020 17:00	59.9
TIDBIT	20432413	12/6/2019	29.5	American Samoa	Rose Island	-14.548092	-168.145626	A1	12/4/2019	20:10	3/20/2023	8:34	8:34	33.4	2/2/2020 17:00	59.9
TIDBIT	20432413	12/7/2019	29.7	American Samoa	Rose Island	-14.548092	-168.145626	A1	12/4/2019	20:10	3/20/2023	8:34	8:34	33.4	2/2/2020 17:00	59.9
TIDBIT	20432413	12/8/2019	29.9	American Samoa	Rose Island	-14.548092	-168.145626	A1	12/4/2019	20:10	3/20/2023	8:34	8:34	33.4	2/2/2020 17:00	59.9
TIDBIT	20432413	12/9/2019	29.8	American Samoa	Rose Island	-14.548092	-168.145626	A1	12/4/2019	20:10	3/20/2023	8:34	8:34	33.4	2/2/2020 17:00	59.9
TIDBIT	20432413	12/10/2019	29.6	American Samoa	Rose Island	-14.548092	-168.145626	A1	12/4/2019	20:10	3/20/2023	8:34	8:34	33.4	2/2/2020 17:00	59.9
TIDBIT	20432413	12/11/2019	29.5	American Samoa	Rose Island	-14.548092	-168.145626	A1	12/4/2019	20:10	3/20/2023	8:34	8:34	33.4	2/2/2020 17:00	59.9
TIDBIT	20432413	12/12/2019	29.4	American Samoa	Rose Island	-14.548092	-168.145626	A1	12/4/2019	20:10	3/20/2023	8:34	8:34	33.4	2/2/2020 17:00	59.9
TIDBIT	20432413	12/13/2019	29.4	American Samoa	Rose Island	-14.548092	-168.145626	A1	12/4/2019	20:10	3/20/2023	8:34	8:34	33.4	2/2/2020 17:00	59.9
TIDBIT	20432413	12/14/2019	29.3	American Samoa	Rose Island	-14.548092	-168.145626	A1	12/4/2019	20:10	3/20/2023	8:34	8:34	33.4	2/2/2020 17:00	59.9
TIDBIT	20432413	12/15/2019	29.1	American Samoa	Rose Island	-14.548092	-168.145626	A1	12/4/2019	20:10	3/20/2023	8:34	8:34	33.4	2/2/2020 17:00	59.9
TIDBIT	20432413	12/16/2019	28.8	American Samoa	Rose Island	-14.548092	-168.145626	A1	12/4/2019	20:10	3/20/2023	8:34	8:34	33.4	2/2/2020 17:00	59.9
TIDBIT	20432413	12/17/2019	28.9	American Samoa	Rose Island	-14.548092	-168.145626	A1	12/4/2019	20:10	3/20/2023	8:34	8:34	33.4	2/2/2020 17:00	59.9
TIDBIT	20432413	12/18/2019	28.8	American Samoa	Rose Island	-14.548092	-168.145626	A1	12/4/2019	20:10	3/20/2023	8:34	8:34	33.4	2/2/2020 17:00	59.9
TIDBIT	20432413	12/19/2019	28.0	American Samoa	Rose Island	-14.548092	-168.145626	A1	12/4/2019	20:10	3/20/2023	8:34	8:34	33.4	2/2/2020 17:00	59.9
TIDBIT	20432413	12/20/2019	28.0	American Samoa	Rose Island	-14.548092	-168.145626	A1	12/4/2019	20:10	3/20/2023	8:34	8:34	33.4	2/2/2020 17:00	59.9
TIDBIT	20432413	12/21/2019	28.3	American Samoa	Rose Island	-14.548092	-168.145626	A1	12/4/2019	20:10	3/20/2023	8:34	8:34	33.4	2/2/2020 17:00	59.9
TIDBIT	20432413	12/22/2019	28.5	American Samoa	Rose Island	-14.548092	-168.145626	A1	12/4/2019	20:10	3/20/2023	8:34	8:34	33.4	2/2/2020 17:00	59.9
TIDBIT	20432413	12/23/2019	28.4	American Samoa	Rose Island	-14.548092	-168.145626	A1	12/4/2019	20:10	3/20/2023	8:34	8:34	33.4	2/2/2020 17:00	59.9
TIDBIT	20432413	12/24/2019	27.9	American Samoa	Rose Island	-14.548092	-168.145626	A1	12/4/2019	20:10	3/20/2023	8:34	8:34	33.4	2/2/2020 17:00	59.9
TIDBIT	20432413	12/25/2019	28.1	American Samoa	Rose Island	-14.548092	-168.145626	A1	12/4/2019	20:10	3/20/2023	8:34	8:34	33.4	2/2/2020 17:00	59.9
TIDBIT	20432413	12/26/2019	28.2	American Samoa	Rose Island	-14.548092	-168.145626	A1	12/4/2019	20:10	3/20/2023	8:34	8:34	33.4	2/2/2020 17:00	59.9
TIDBIT	20432413	12/27/2019	28.4	American Samoa	Rose Island	-14.548092	-168.145626	A1	12/4/2019	20:10	3/20/2023	8:34	8:34	33.4	2/2/2020 17:00	59.9
TIDBIT	20432413	12/28/2019	28.6	American Samoa	Rose Island	-14.548092	-168.145626	A1	12/4/2019	20:10	3/20/2023	8:34	8:34	33.4	2/2/2020 17:00	59.9
TIDBIT	20432413	12/29/2019	28.7	American Samoa	Rose Island	-14.548092	-168.145626	A1	12/4/2019	20:10	3/20/2023	8:34	8:34	33.4	2/2/2020 17:00	59.9
TIDBIT	20432413	12/30/2019	28.8	American Samoa	Rose Island	-14.548092	-168.145626	A1	12/4/2019	20:10	3/20/2023	8:34	8:34	33.4	2/2/2020 17:00	59.9
TIDBIT	20432413	12/31/2019	28.8	American Samoa	Rose Island	-14.548092	-168.145626	A1	12/4/2019	20:10	3/20/2023	8:34	8:34	33.4	2/2/2020 17:00	59.9
TIDBIT	20432413	1/1/2020	28.9	American Samoa	Rose Island	-14.548092	-168.145626	A1	12/4/2019	20:10	3/20/2023	8:34	8:34	33.4	2/2/2020 17:00	59.9
TIDBIT	20432413	1/2/2020	29.1	American Samoa	Rose Island	-14.548092	-168.145626	A1	12/4/2019	20:10	3/20/2023	8:34	8:34	33.4	2/2/2020 17:00	59.9
TIDBIT	20432413	1/3/2020	29.2	American Samoa	Rose Island	-14.548092	-168.145626	A1	12/4/2019	20:10	3/20/2023	8:34	8:34	33.4	2/2/2020 17:00	59.9
TIDBIT	20432413	1/4/2020	29.3	American Samoa	Rose Island	-14.548092	-168.145626	A1	12/4/2019	20:10	3/20/2023	8:34	8:34	33.4	2/2/2020 17:00	59.9
TIDBIT	20432413	1/5/2020	29.2	American Samoa	Rose Island	-14.548092	-168.145626	A1	12/4/2019	20:10	3/20/2023	8:34	8:34	33.4	2/2/2020 17:00	59.9
TIDBIT	20432413	1/6/2020	29.4	American Samoa	Rose Island	-14.548092	-168.145626	A1	12/4/2019	20:10	3/20/2023	8:34	8:34	33.4	2/2/2020 17:00	59.9
TIDBIT	20432413	1/7/2020	29.7	American Samoa	Rose Island	-14.548092	-168.145626	A1	12/4/2019	20:10	3/20/2023	8:34	8:34	33.4	2/2/2020 17:00	59.9
TIDBIT	20432413	1/8/2020	30.0	American Samoa	Rose Island	-14.548092	-168.145626	A1	12/4/2019	20:10	3/20/2023	8:34	8:34	33.4	2/2/2020 17:00	59.9
TIDBIT	20432413	1/9/2020	30.4	American Samoa	Rose Island	-14.548092	-168.145626	A1	12/4/2019	20:10	3/20/2023	8:34	8:34	33.4	2/2/2020 17:00	59.9

Supplemental Table 6. Summary of daily average temperatures recorded by temperature data loggers (n=30, HOBO TidbiT) including the logger type, logger number, temperature daily average, region, island, latitutude and longitude of deployment, turtle mototool number, date and time deployed, date and time of excavation, retrieval time of logger, maximum temperature, date and time of maximum temperature, and days to maximum temperature.

TIDBIT	20432413	1/10/2020	30.9	American Samoa	Rose Island	-14.548092	-168.145626	A1	12/4/2019	20:10	3/20/2023	8:34	8:34	33.4	2/2/2020 17:00	59.9
TIDBIT	20432413	1/11/2020	31.3	American Samoa	Rose Island	-14.548092	-168.145626	A1	12/4/2019	20:10	3/20/2023	8:34	8:34	33.4	2/2/2020 17:00	59.9
TIDBIT	20432413	1/12/2020	31.6	American Samoa	Rose Island	-14.548092	-168.145626	A1	12/4/2019	20:10	3/20/2023	8:34	8:34	33.4	2/2/2020 17:00	59.9
TIDBIT	20432413	1/13/2020	31.8	American Samoa	Rose Island	-14.548092	-168.145626	A1	12/4/2019	20:10	3/20/2023	8:34	8:34	33.4	2/2/2020 17:00	59.9
TIDBIT	20432413	1/14/2020	31.5	American Samoa	Rose Island	-14.548092	-168.145626	A1	12/4/2019	20:10	3/20/2023	8:34	8:34	33.4	2/2/2020 17:00	59.9
TIDBIT	20432413	1/15/2020	31.5	American Samoa	Rose Island	-14.548092	-168.145626	A1	12/4/2019	20:10	3/20/2023	8:34	8:34	33.4	2/2/2020 17:00	59.9
TIDBIT	20432413	1/16/2020	31.7	American Samoa	Rose Island	-14.548092	-168.145626	A1	12/4/2019	20:10	3/20/2023	8:34	8:34	33.4	2/2/2020 17:00	59.9
TIDBIT	20432413	1/17/2020	31.8	American Samoa	Rose Island	-14.548092	-168.145626	A1	12/4/2019	20:10	3/20/2023	8:34	8:34	33.4	2/2/2020 17:00	59.9
TIDBIT	20432413	1/18/2020	32.0	American Samoa	Rose Island	-14.548092	-168.145626	A1	12/4/2019	20:10	3/20/2023	8:34	8:34	33.4	2/2/2020 17:00	59.9
TIDBIT	20432413	1/19/2020	32.2	American Samoa	Rose Island	-14.548092	-168.145626	A1	12/4/2019	20:10	3/20/2023	8:34	8:34	33.4	2/2/2020 17:00	59.9
TIDBIT	20432413	1/20/2020	32.2	American Samoa	Rose Island	-14.548092	-168.145626	A1	12/4/2019	20:10	3/20/2023	8:34	8:34	33.4	2/2/2020 17:00	59.9
TIDBIT	20432413	1/21/2020	32.1	American Samoa	Rose Island	-14.548092	-168.145626	A1	12/4/2019	20:10	3/20/2023	8:34	8:34	33.4	2/2/2020 17:00	59.9
TIDBIT	20432413	1/22/2020	32.0	American Samoa	Rose Island	-14.548092	-168.145626	A1	12/4/2019	20:10	3/20/2023	8:34	8:34	33.4	2/2/2020 17:00	59.9
TIDBIT	20432413	1/23/2020	32.0	American Samoa	Rose Island	-14.548092	-168.145626	A1	12/4/2019	20:10	3/20/2023	8:34	8:34	33.4	2/2/2020 17:00	59.9
TIDBIT	20432413	1/24/2020	31.8	American Samoa	Rose Island	-14.548092	-168.145626	A1	12/4/2019	20:10	3/20/2023	8:34	8:34	33.4	2/2/2020 17:00	59.9
TIDBIT	20432413	1/25/2020	31.8	American Samoa	Rose Island	-14.548092	-168.145626	A1	12/4/2019	20:10	3/20/2023	8:34	8:34	33.4	2/2/2020 17:00	59.9
TIDBIT	20432413	1/26/2020	32.6	American Samoa	Rose Island	-14.548092	-168.145626	A1	12/4/2019	20:10	3/20/2023	8:34	8:34	33.4	2/2/2020 17:00	59.9
TIDBIT	20432413	1/27/2020	32.2	American Samoa	Rose Island	-14.548092	-168.145626	A1	12/4/2019	20:10	3/20/2023	8:34	8:34	33.4	2/2/2020 17:00	59.9
TIDBIT	20432413	1/28/2020	31.9	American Samoa	Rose Island	-14.548092	-168.145626	A1	12/4/2019	20:10	3/20/2023	8:34	8:34	33.4	2/2/2020 17:00	59.9
TIDBIT	20432413	1/29/2020	32.5	American Samoa	Rose Island	-14.548092	-168.145626	A1	12/4/2019	20:10	3/20/2023	8:34	8:34	33.4	2/2/2020 17:00	59.9
TIDBIT	20432413	1/30/2020	32.4	American Samoa	Rose Island	-14.548092	-168.145626	A1	12/4/2019	20:10	3/20/2023	8:34	8:34	33.4	2/2/2020 17:00	59.9
TIDBIT	20432413	1/31/2020	32.0	American Samoa	Rose Island	-14.548092	-168.145626	A1	12/4/2019	20:10	3/20/2023	8:34	8:34	33.4	2/2/2020 17:00	59.9
TIDBIT	20432413	2/1/2020	32.0	American Samoa	Rose Island	-14.548092	-168.145626	A1	12/4/2019	20:10	3/20/2023	8:34	8:34	33.4	2/2/2020 17:00	59.9
TIDBIT	20432413	2/2/2020	32.4	American Samoa	Rose Island	-14.548092	-168.145626	A1	12/4/2019	20:10	3/20/2023	8:34	8:34	33.4	2/2/2020 17:00	59.9
TIDBIT	20456900	12/10/2019	28.9	American Samoa	Rose Island	-14.548386	-168.145092	E1	12/8/2019	23:10	3/20/2023	10:00	10:00	35.7	2/1/2020 7:00	54.3
TIDBIT	20456900	12/11/2019	28.9	American Samoa	Rose Island	-14.548386	-168.145092	E1	12/8/2019	23:10	3/20/2023	10:00	10:00	35.7	2/1/2020 7:00	54.3
TIDBIT	20456900	12/12/2019	29.0	American Samoa	Rose Island	-14.548386	-168.145092	E1	12/8/2019	23:10	3/20/2023	10:00	10:00	35.7	2/1/2020 7:00	54.3
TIDBIT	20456900	12/13/2019	29.0	American Samoa	Rose Island	-14.548386	-168.145092	E1	12/8/2019	23:10	3/20/2023	10:00	10:00	35.7	2/1/2020 7:00	54.3
TIDBIT	20456900	12/14/2019	29.1	American Samoa	Rose Island	-14.548386	-168.145092	E1	12/8/2019	23:10	3/20/2023	10:00	10:00	35.7	2/1/2020 7:00	54.3
TIDBIT	20456900	12/15/2019	29.0	American Samoa	Rose Island	-14.548386	-168.145092	E1	12/8/2019	23:10	3/20/2023	10:00	10:00	35.7	2/1/2020 7:00	54.3
TIDBIT	20456900	12/16/2019	29.0	American Samoa	Rose Island	-14.548386	-168.145092	E1	12/8/2019	23:10	3/20/2023	10:00	10:00	35.7	2/1/2020 7:00	54.3
TIDBIT	20456900	12/17/2019	29.0	American Samoa	Rose Island	-14.548386	-168.145092	E1	12/8/2019	23:10	3/20/2023	10:00	10:00	35.7	2/1/2020 7:00	54.3
TIDBIT	20456900	12/18/2019	28.9	American Samoa	Rose Island	-14.548386	-168.145092	E1	12/8/2019	23:10	3/20/2023	10:00	10:00	35.7	2/1/2020 7:00	54.3
TIDBIT	20456900	12/19/2019	28.3	American Samoa	Rose Island	-14.548386	-168.145092	E1	12/8/2019	23:10	3/20/2023	10:00	10:00	35.7	2/1/2020 7:00	54.3
TIDBIT	20456900	12/20/2019	28.3	American Samoa	Rose Island	-14.548386	-168.145092	E1	12/8/2019	23:10	3/20/2023	10:00	10:00	35.7	2/1/2020 7:00	54.3
TIDBIT	20456900	12/21/2019	28.6	American Samoa	Rose Island	-14.548386	-168.145092	E1	12/8/2019	23:10	3/20/2023	10:00	10:00	35.7	2/1/2020 7:00	54.3
TIDBIT	20456900	12/22/2019	28.8	American Samoa	Rose Island	-14.548386	-168.145092	E1	12/8/2019	23:10	3/20/2023	10:00	10:00	35.7	2/1/2020 7:00	54.3
TIDBIT	20456900	12/23/2019	28.5	American Samoa	Rose Island	-14.548386	-168.145092	E1	12/8/2019	23:10	3/20/2023	10:00	10:00	35.7	2/1/2020 7:00	54.3
TIDBIT	20456900	12/24/2019	28.1	American Samoa	Rose Island	-14.548386	-168.145092	E1	12/8/2019	23:10	3/20/2023	10:00	10:00	35.7	2/1/2020 7:00	54.3
TIDBIT	20456900	12/25/2019	28.3	American Samoa	Rose Island	-14.548386	-168.145092	E1	12/8/2019	23:10	3/20/2023	10:00	10:00	35.7	2/1/2020 7:00	54.3
TIDBIT	20456900	12/26/2019	28.5	American Samoa	Rose Island	-14.548386	-168.145092	E1	12/8/2019	23:10	3/20/2023	10:00	10:00	35.7	2/1/2020 7:00	54.3
TIDBIT	20456900	12/27/2019	28.6	American Samoa	Rose Island	-14.548386	-168.145092	E1	12/8/2019	23:10	3/20/2023	10:00	10:00	35.7	2/1/2020 7:00	54.3
TIDBIT	20456900	12/28/2019	28.6	American Samoa	Rose Island	-14.548386	-168.145092	E1	12/8/2019	23:10	3/20/2023	10:00	10:00	35.7	2/1/2020 7:00	54.3
TIDBIT	20456900	12/29/2019	28.8	American Samoa	Rose Island	-14.548386	-168.145092	E1	12/8/2019	23:10	3/20/2023	10:00	10:00	35.7	2/1/2020 7:00	54.3
TIDBIT	20456900	12/30/2019	28.9	American Samoa	Rose Island	-14.548386	-168.145092	E1	12/8/2019	23:10	3/20/2023	10:00	10:00	35.7	2/1/2020 7:00	54.3
TIDBIT	20456900	12/31/2019	28.9	American Samoa	Rose Island	-14.548386	-168.145092	E1	12/8/2019	23:10	3/20/2023	10:00	10:00	35.7	2/1/2020 7:00	54.3
TIDBIT	20456900	1/1/2020	29.0	American Samoa	Rose Island	-14.548386	-168.145092	E1	12/8/2019	23:10	3/20/2023	10:00	10:00	35.7	2/1/2020 7:00	54.3
TIDBIT	20456900	1/2/2020	29.1	American Samoa	Rose Island	-14.548386	-168.145092	E1	12/8/2019	23:10	3/20/2023	10:00	10:00	35.7	2/1/2020 7:00	54.3
TIDBIT	20456900	1/3/2020	29.1	American Samoa	Rose Island	-14.548386	-168.145092	E1	12/8/2019	23:10	3/20/2023	10:00	10:00	35.7	2/1/2020 7:00	54.3
TIDBIT	20456900	1/4/2020	28.7	American Samoa	Rose Island	-14.548386	-168.145092	E1	12/8/2019	23:10	3/20/2023	10:00	10:00	35.7	2/1/2020 7:00	54.3
TIDBIT	20456900	1/5/2020	28.6	American Samoa	Rose Island	-14.548386	-168.145092	E1	12/8/2019	23:10	3/20/2023	10:00	10:00	35.7	2/1/2020 7:00	54.3
TIDBIT	20456900	1/6/2020	28.9	American Samoa	Rose Island	-14.548386	-168.145092	E1	12/8/2019	23:10	3/20/2023	10:00	10:00	35.7	2/1/2020 7:00	54.3
TIDBIT	20456900	1/7/2020	29.2	American Samoa	Rose Island	-14.548386	-168.145092	E1	12/8/2019	23:10	3/20/2023	10:00	10:00	35.7	2/1/2020 7:00	54.3
TIDBIT	20456900	1/8/2020	29.5	American Samoa	Rose Island	-14.548386	-168.145092	E1	12/8/2019	23:10	3/20/2023	10:00	10:00	35.7	2/1/2020 7:00	54.3
TIDBIT	20456900	1/9/2020	29.7	American Samoa	Rose Island	-14.548386	-168.145092	E1	12/8/2019	23:10	3/20/2023	10:00	10:00	35.7	2/1/2020 7:00	54.3

Supplemental Table 6. Summary of daily average temperatures recorded by temperature data loggers (n=30, HOBO TidbiT) including the logger type, logger number, temperature daily average, region, island, latitutude and longitude of deployment, turtle mototool number, date and time deployed, date and time of excavation, retrieval time of logger, maximum temperature, date and time of maximum temperature, and days to maximum temperature.

TIDBIT	20456900	1/10/2020	30.0	American Samoa	Rose Island	-14.548386	-168.145092	E1	12/8/2019	23:10	3/20/2023	10:00	10:00	35.7	2/1/2020 7:00	54.3
TIDBIT	20456900	1/11/2020	30.3	American Samoa	Rose Island	-14.548386	-168.145092	E1	12/8/2019	23:10	3/20/2023	10:00	10:00	35.7	2/1/2020 7:00	54.3
TIDBIT	20456900	1/12/2020	30.6	American Samoa	Rose Island	-14.548386	-168.145092	E1	12/8/2019	23:10	3/20/2023	10:00	10:00	35.7	2/1/2020 7:00	54.3
TIDBIT	20456900	1/13/2020	30.8	American Samoa	Rose Island	-14.548386	-168.145092	E1	12/8/2019	23:10	3/20/2023	10:00	10:00	35.7	2/1/2020 7:00	54.3
TIDBIT	20456900	1/14/2020	30.7	American Samoa	Rose Island	-14.548386	-168.145092	E1	12/8/2019	23:10	3/20/2023	10:00	10:00	35.7	2/1/2020 7:00	54.3
TIDBIT	20456900	1/15/2020	30.6	American Samoa	Rose Island	-14.548386	-168.145092	E1	12/8/2019	23:10	3/20/2023	10:00	10:00	35.7	2/1/2020 7:00	54.3
TIDBIT	20456900	1/16/2020	30.6	American Samoa	Rose Island	-14.548386	-168.145092	E1	12/8/2019	23:10	3/20/2023	10:00	10:00	35.7	2/1/2020 7:00	54.3
TIDBIT	20456900	1/17/2020	30.8	American Samoa	Rose Island	-14.548386	-168.145092	E1	12/8/2019	23:10	3/20/2023	10:00	10:00	35.7	2/1/2020 7:00	54.3
TIDBIT	20456900	1/18/2020	31.1	American Samoa	Rose Island	-14.548386	-168.145092	E1	12/8/2019	23:10	3/20/2023	10:00	10:00	35.7	2/1/2020 7:00	54.3
TIDBIT	20456900	1/19/2020	31.3	American Samoa	Rose Island	-14.548386	-168.145092	E1	12/8/2019	23:10	3/20/2023	10:00	10:00	35.7	2/1/2020 7:00	54.3
TIDBIT	20456900	1/20/2020	30.8	American Samoa	Rose Island	-14.548386	-168.145092	E1	12/8/2019	23:10	3/20/2023	10:00	10:00	35.7	2/1/2020 7:00	54.3
TIDBIT	20456900	1/21/2020	30.2	American Samoa	Rose Island	-14.548386	-168.145092	E1	12/8/2019	23:10	3/20/2023	10:00	10:00	35.7	2/1/2020 7:00	54.3
TIDBIT	20456900	1/22/2020	30.3	American Samoa	Rose Island	-14.548386	-168.145092	E1	12/8/2019	23:10	3/20/2023	10:00	10:00	35.7	2/1/2020 7:00	54.3
TIDBIT	20456900	1/23/2020	30.6	American Samoa	Rose Island	-14.548386	-168.145092	E1	12/8/2019	23:10	3/20/2023	10:00	10:00	35.7	2/1/2020 7:00	54.3
TIDBIT	20456900	1/24/2020	30.6	American Samoa	Rose Island	-14.548386	-168.145092	E1	12/8/2019	23:10	3/20/2023	10:00	10:00	35.7	2/1/2020 7:00	54.3
TIDBIT	20456900	1/25/2020	30.8	American Samoa	Rose Island	-14.548386	-168.145092	E1	12/8/2019	23:10	3/20/2023	10:00	10:00	35.7	2/1/2020 7:00	54.3
TIDBIT	20456900	1/26/2020	31.3	American Samoa	Rose Island	-14.548386	-168.145092	E1	12/8/2019	23:10	3/20/2023	10:00	10:00	35.7	2/1/2020 7:00	54.3
TIDBIT	20456900	1/27/2020	32.0	American Samoa	Rose Island	-14.548386	-168.145092	E1	12/8/2019	23:10	3/20/2023	10:00	10:00	35.7	2/1/2020 7:00	54.3
TIDBIT	20456900	1/28/2020	32.6	American Samoa	Rose Island	-14.548386	-168.145092	E1	12/8/2019	23:10	3/20/2023	10:00	10:00	35.7	2/1/2020 7:00	54.3
TIDBIT	20456900	1/29/2020	33.1	American Samoa	Rose Island	-14.548386	-168.145092	E1	12/8/2019	23:10	3/20/2023	10:00	10:00	35.7	2/1/2020 7:00	54.3
TIDBIT	20456900	1/30/2020	33.6	American Samoa	Rose Island	-14.548386	-168.145092	E1	12/8/2019	23:10	3/20/2023	10:00	10:00	35.7	2/1/2020 7:00	54.3
TIDBIT	20456900	1/31/2020	34.7	American Samoa	Rose Island	-14.548386	-168.145092	E1	12/8/2019	23:10	3/20/2023	10:00	10:00	35.7	2/1/2020 7:00	54.3
TIDBIT	20456900	2/1/2020	35.6	American Samoa	Rose Island	-14.548386	-168.145092	E1	12/8/2019	23:10	3/20/2023	10:00	10:00	35.7	2/1/2020 7:00	54.3
TIDBIT	20456901	12/8/2019	29.8	American Samoa	Rose Island	-14.548308	-168.144822	C4	12/7/2019	2:04	3/20/2023	10:15	10:15	34.2	1/30/2020 9:00	54.3
TIDBIT	20456901	12/9/2019	29.4	American Samoa	Rose Island	-14.548308	-168.144822	C4	12/7/2019	2:04	3/20/2023	10:15	10:15	34.2	1/30/2020 9:00	54.3
TIDBIT	20456901	12/10/2019	29.3	American Samoa	Rose Island	-14.548308	-168.144822	C4	12/7/2019	2:04	3/20/2023	10:15	10:15	34.2	1/30/2020 9:00	54.3
TIDBIT	20456901	12/11/2019	29.3	American Samoa	Rose Island	-14.548308	-168.144822	C4	12/7/2019	2:04	3/20/2023	10:15	10:15	34.2	1/30/2020 9:00	54.3
TIDBIT	20456901	12/12/2019	29.4	American Samoa	Rose Island	-14.548308	-168.144822	C4	12/7/2019	2:04	3/20/2023	10:15	10:15	34.2	1/30/2020 9:00	54.3
TIDBIT	20456901	12/13/2019	29.4	American Samoa	Rose Island	-14.548308	-168.144822	C4	12/7/2019	2:04	3/20/2023	10:15	10:15	34.2	1/30/2020 9:00	54.3
TIDBIT	20456901	12/14/2019	29.6	American Samoa	Rose Island	-14.548308	-168.144822	C4	12/7/2019	2:04	3/20/2023	10:15	10:15	34.2	1/30/2020 9:00	54.3
TIDBIT	20456901	12/15/2019	29.3	American Samoa	Rose Island	-14.548308	-168.144822	C4	12/7/2019	2:04	3/20/2023	10:15	10:15	34.2	1/30/2020 9:00	54.3
TIDBIT	20456901	12/16/2019	29.1	American Samoa	Rose Island	-14.548308	-168.144822	C4	12/7/2019	2:04	3/20/2023	10:15	10:15	34.2	1/30/2020 9:00	54.3
TIDBIT	20456901	12/17/2019	29.2	American Samoa	Rose Island	-14.548308	-168.144822	C4	12/7/2019	2:04	3/20/2023	10:15	10:15	34.2	1/30/2020 9:00	54.3
TIDBIT	20456901	12/18/2019	29.0	American Samoa	Rose Island	-14.548308	-168.144822	C4	12/7/2019	2:04	3/20/2023	10:15	10:15	34.2	1/30/2020 9:00	54.3
TIDBIT	20456901	12/19/2019	28.0	American Samoa	Rose Island	-14.548308	-168.144822	C4	12/7/2019	2:04	3/20/2023	10:15	10:15	34.2	1/30/2020 9:00	54.3
TIDBIT	20456901	12/20/2019	28.2	American Samoa	Rose Island	-14.548308	-168.144822	C4	12/7/2019	2:04	3/20/2023	10:15	10:15	34.2	1/30/2020 9:00	54.3
TIDBIT	20456901	12/21/2019	28.7	American Samoa	Rose Island	-14.548308	-168.144822	C4	12/7/2019	2:04	3/20/2023	10:15	10:15	34.2	1/30/2020 9:00	54.3
TIDBIT	20456901	12/22/2019	29.0	American Samoa	Rose Island	-14.548308	-168.144822	C4	12/7/2019	2:04	3/20/2023	10:15	10:15	34.2	1/30/2020 9:00	54.3
TIDBIT	20456901	12/23/2019	28.6	American Samoa	Rose Island	-14.548308	-168.144822	C4	12/7/2019	2:04	3/20/2023	10:15	10:15	34.2	1/30/2020 9:00	54.3
TIDBIT	20456901	12/24/2019	28.1	American Samoa	Rose Island	-14.548308	-168.144822	C4	12/7/2019	2:04	3/20/2023	10:15	10:15	34.2	1/30/2020 9:00	54.3
TIDBIT	20456901	12/25/2019	28.4	American Samoa	Rose Island	-14.548308	-168.144822	C4	12/7/2019	2:04	3/20/2023	10:15	10:15	34.2	1/30/2020 9:00	54.3
TIDBIT	20456901	12/26/2019	28.7	American Samoa	Rose Island	-14.548308	-168.144822	C4	12/7/2019	2:04	3/20/2023	10:15	10:15	34.2	1/30/2020 9:00	54.3
TIDBIT	20456901	12/27/2019	28.8	American Samoa	Rose Island	-14.548308	-168.144822	C4	12/7/2019	2:04	3/20/2023	10:15	10:15	34.2	1/30/2020 9:00	54.3
TIDBIT	20456901	12/28/2019	28.9	American Samoa	Rose Island	-14.548308	-168.144822	C4	12/7/2019	2:04	3/20/2023	10:15	10:15	34.2	1/30/2020 9:00	54.3
TIDBIT	20456901	12/29/2019	29.0	American Samoa	Rose Island	-14.548308	-168.144822	C4	12/7/2019	2:04	3/20/2023	10:15	10:15	34.2	1/30/2020 9:00	54.3
TIDBIT	20456901	12/30/2019	29.2	American Samoa	Rose Island	-14.548308	-168.144822	C4	12/7/2019	2:04	3/20/2023	10:15	10:15	34.2	1/30/2020 9:00	54.3
TIDBIT	20456901	12/31/2019	29.3	American Samoa	Rose Island	-14.548308	-168.144822	C4	12/7/2019	2:04	3/20/2023	10:15	10:15	34.2	1/30/2020 9:00	54.3
TIDBIT	20456901	1/1/2020	29.5	American Samoa	Rose Island	-14.548308	-168.144822	C4	12/7/2019	2:04	3/20/2023	10:15	10:15	34.2	1/30/2020 9:00	54.3
TIDBIT	20456901	1/2/2020	29.6	American Samoa	Rose Island	-14.548308	-168.144822	C4	12/7/2019	2:04	3/20/2023	10:15	10:15	34.2	1/30/2020 9:00	54.3
TIDBIT	20456901	1/3/2020	29.6	American Samoa	Rose Island	-14.548308	-168.144822	C4	12/7/2019	2:04	3/20/2023	10:15	10:15	34.2	1/30/2020 9:00	54.3
TIDBIT	20456901	1/4/2020	29.0	American Samoa	Rose Island	-14.548308	-168.144822	C4	12/7/2019	2:04	3/20/2023	10:15	10:15	34.2	1/30/2020 9:00	54.3
TIDBIT	20456901	1/5/2020	28.5	American Samoa	Rose Island	-14.548308	-168.144822	C4	12/7/2019	2:04	3/20/2023	10:15	10:15	34.2	1/30/2020 9:00	54.3
TIDBIT	20456901	1/6/2020	29.0	American Samoa	Rose Island	-14.548308	-168.144822	C4	12/7/2019	2:04	3/20/2023	10:15	10:15	34.2	1/30/2020 9:00	54.3
TIDBIT	20456901	1/7/2020	29.6	American Samoa	Rose Island	-14.548308	-168.144822	C4	12/7/2019	2:04	3/20/2023	10:15	10:15	34.2	1/30/2020 9:00	54.3
TIDBIT	20456901	1/8/2020	30.0	American Samoa	Rose Island	-14.548308	-168.144822	C4	12/7/2019	2:04	3/20/2023	10:15	10:15	34.2	1/30/2020 9:00	54.3

Supplemental Table 6. Summary of daily average temperatures recorded by temperature data loggers (n=30, HOBO TidbiT) including the logger type, logger number, temperature daily average, region, island, latitutude and longitude of deployment, turtle mototool number, date and time deployed, date and time of excavation, retrieval time of logger, maximum temperature, date and time of maximum temperature, and days to maximum temperature.

TIDBIT	20456901	1/9/2020	30.3	American Samoa	Rose Island	-14.548308	-168.144822	C4	12/7/2019	2:04	3/20/2023	10:15	10:15	34.2	1/30/2020 9:00	54.3
TIDBIT	20456901	1/10/2020	30.7	American Samoa	Rose Island	-14.548308	-168.144822	C4	12/7/2019	2:04	3/20/2023	10:15	10:15	34.2	1/30/2020 9:00	54.3
TIDBIT	20456901	1/11/2020	31.1	American Samoa	Rose Island	-14.548308	-168.144822	C4	12/7/2019	2:04	3/20/2023	10:15	10:15	34.2	1/30/2020 9:00	54.3
TIDBIT	20456901	1/12/2020	31.5	American Samoa	Rose Island	-14.548308	-168.144822	C4	12/7/2019	2:04	3/20/2023	10:15	10:15	34.2	1/30/2020 9:00	54.3
TIDBIT	20456901	1/13/2020	31.8	American Samoa	Rose Island	-14.548308	-168.144822	C4	12/7/2019	2:04	3/20/2023	10:15	10:15	34.2	1/30/2020 9:00	54.3
TIDBIT	20456901	1/14/2020	31.3	American Samoa	Rose Island	-14.548308	-168.144822	C4	12/7/2019	2:04	3/20/2023	10:15	10:15	34.2	1/30/2020 9:00	54.3
TIDBIT	20456901	1/15/2020	31.1	American Samoa	Rose Island	-14.548308	-168.144822	C4	12/7/2019	2:04	3/20/2023	10:15	10:15	34.2	1/30/2020 9:00	54.3
TIDBIT	20456901	1/16/2020	31.2	American Samoa	Rose Island	-14.548308	-168.144822	C4	12/7/2019	2:04	3/20/2023	10:15	10:15	34.2	1/30/2020 9:00	54.3
TIDBIT	20456901	1/17/2020	31.4	American Samoa	Rose Island	-14.548308	-168.144822	C4	12/7/2019	2:04	3/20/2023	10:15	10:15	34.2	1/30/2020 9:00	54.3
TIDBIT	20456901	1/18/2020	31.8	American Samoa	Rose Island	-14.548308	-168.144822	C4	12/7/2019	2:04	3/20/2023	10:15	10:15	34.2	1/30/2020 9:00	54.3
TIDBIT	20456901	1/19/2020	32.1	American Samoa	Rose Island	-14.548308	-168.144822	C4	12/7/2019	2:04	3/20/2023	10:15	10:15	34.2	1/30/2020 9:00	54.3
TIDBIT	20456901	1/20/2020	31.6	American Samoa	Rose Island	-14.548308	-168.144822	C4	12/7/2019	2:04	3/20/2023	10:15	10:15	34.2	1/30/2020 9:00	54.3
TIDBIT	20456901	1/21/2020	30.6	American Samoa	Rose Island	-14.548308	-168.144822	C4	12/7/2019	2:04	3/20/2023	10:15	10:15	34.2	1/30/2020 9:00	54.3
TIDBIT	20456901	1/22/2020	30.5	American Samoa	Rose Island	-14.548308	-168.144822	C4	12/7/2019	2:04	3/20/2023	10:15	10:15	34.2	1/30/2020 9:00	54.3
TIDBIT	20456901	1/23/2020	30.7	American Samoa	Rose Island	-14.548308	-168.144822	C4	12/7/2019	2:04	3/20/2023	10:15	10:15	34.2	1/30/2020 9:00	54.3
TIDBIT	20456901	1/24/2020	30.2	American Samoa	Rose Island	-14.548308	-168.144822	C4	12/7/2019	2:04	3/20/2023	10:15	10:15	34.2	1/30/2020 9:00	54.3
TIDBIT	20456901	1/25/2020	30.6	American Samoa	Rose Island	-14.548308	-168.144822	C4	12/7/2019	2:04	3/20/2023	10:15	10:15	34.2	1/30/2020 9:00	54.3
TIDBIT	20456901	1/26/2020	31.5	American Samoa	Rose Island	-14.548308	-168.144822	C4	12/7/2019	2:04	3/20/2023	10:15	10:15	34.2	1/30/2020 9:00	54.3
TIDBIT	20456901	1/27/2020	33.2	American Samoa	Rose Island	-14.548308	-168.144822	C4	12/7/2019	2:04	3/20/2023	10:15	10:15	34.2	1/30/2020 9:00	54.3
TIDBIT	20456901	1/28/2020	33.8	American Samoa	Rose Island	-14.548308	-168.144822	C4	12/7/2019	2:04	3/20/2023	10:15	10:15	34.2	1/30/2020 9:00	54.3
TIDBIT	20456901	1/29/2020	33.9	American Samoa	Rose Island	-14.548308	-168.144822	C4	12/7/2019	2:04	3/20/2023	10:15	10:15	34.2	1/30/2020 9:00	54.3
TIDBIT	20456901	1/30/2020	34.1	American Samoa	Rose Island	-14.548308	-168.144822	C4	12/7/2019	2:04	3/20/2023	10:15	10:15	34.2	1/30/2020 9:00	54.3
TIDBIT	20456906	12/10/2019	27.9	American Samoa	Rose Island	-14.5465	-168.143883	D2	12/9/2019	19:45	3/20/2024	8:45	8:45	32.0	2/2/2020 19:00	55.0
TIDBIT	20456906	12/11/2019	28.0	American Samoa	Rose Island	-14.5465	-168.143883	D2	12/9/2019	19:45	3/20/2024	8:45	8:45	32.0	2/2/2020 19:00	55.0
TIDBIT	20456906	12/12/2019	28.2	American Samoa	Rose Island	-14.5465	-168.143883	D2	12/9/2019	19:45	3/20/2024	8:45	8:45	32.0	2/2/2020 19:00	55.0
TIDBIT	20456906	12/13/2019	28.2	American Samoa	Rose Island	-14.5465	-168.143883	D2	12/9/2019	19:45	3/20/2024	8:45	8:45	32.0	2/2/2020 19:00	55.0
TIDBIT	20456906	12/14/2019	28.3	American Samoa	Rose Island	-14.5465	-168.143883	D2	12/9/2019	19:45	3/20/2024	8:45	8:45	32.0	2/2/2020 19:00	55.0
TIDBIT	20456906	12/15/2019	28.4	American Samoa	Rose Island	-14.5465	-168.143883	D2	12/9/2019	19:45	3/20/2024	8:45	8:45	32.0	2/2/2020 19:00	55.0
TIDBIT	20456906	12/16/2019	28.3	American Samoa	Rose Island	-14.5465	-168.143883	D2	12/9/2019	19:45	3/20/2024	8:45	8:45	32.0	2/2/2020 19:00	55.0
TIDBIT	20456906	12/17/2019	28.3	American Samoa	Rose Island	-14.5465	-168.143883	D2	12/9/2019	19:45	3/20/2024	8:45	8:45	32.0	2/2/2020 19:00	55.0
TIDBIT	20456906	12/18/2019	28.3	American Samoa	Rose Island	-14.5465	-168.143883	D2	12/9/2019	19:45	3/20/2024	8:45	8:45	32.0	2/2/2020 19:00	55.0
TIDBIT	20456906	12/19/2019	27.8	American Samoa	Rose Island	-14.5465	-168.143883	D2	12/9/2019	19:45	3/20/2024	8:45	8:45	32.0	2/2/2020 19:00	55.0
TIDBIT	20456906	12/20/2019	27.7	American Samoa	Rose Island	-14.5465	-168.143883	D2	12/9/2019	19:45	3/20/2024	8:45	8:45	32.0	2/2/2020 19:00	55.0
TIDBIT	20456906	12/21/2019	27.9	American Samoa	Rose Island	-14.5465	-168.143883	D2	12/9/2019	19:45	3/20/2024	8:45	8:45	32.0	2/2/2020 19:00	55.0
TIDBIT	20456906	12/22/2019	28.0	American Samoa	Rose Island	-14.5465	-168.143883	D2	12/9/2019	19:45	3/20/2024	8:45	8:45	32.0	2/2/2020 19:00	55.0
TIDBIT	20456906	12/23/2019	28.0	American Samoa	Rose Island	-14.5465	-168.143883	D2	12/9/2019	19:45	3/20/2024	8:45	8:45	32.0	2/2/2020 19:00	55.0
TIDBIT	20456906	12/24/2019	27.7	American Samoa	Rose Island	-14.5465	-168.143883	D2	12/9/2019	19:45	3/20/2024	8:45	8:45	32.0	2/2/2020 19:00	55.0
TIDBIT	20456906	12/25/2019	27.7	American Samoa	Rose Island	-14.5465	-168.143883	D2	12/9/2019	19:45	3/20/2024	8:45	8:45	32.0	2/2/2020 19:00	55.0
TIDBIT	20456906	12/26/2019	27.8	American Samoa	Rose Island	-14.5465	-168.143883	D2	12/9/2019	19:45	3/20/2024	8:45	8:45	32.0	2/2/2020 19:00	55.0
TIDBIT	20456906	12/27/2019	28.0	American Samoa	Rose Island	-14.5465	-168.143883	D2	12/9/2019	19:45	3/20/2024	8:45	8:45	32.0	2/2/2020 19:00	55.0
TIDBIT	20456906	12/28/2019	28.1	American Samoa	Rose Island	-14.5465	-168.143883	D2	12/9/2019	19:45	3/20/2024	8:45	8:45	32.0	2/2/2020 19:00	55.0
TIDBIT	20456906	12/29/2019	28.1	American Samoa	Rose Island	-14.5465	-168.143883	D2	12/9/2019	19:45	3/20/2024	8:45	8:45	32.0	2/2/2020 19:00	55.0
TIDBIT	20456906	12/30/2019	28.1	American Samoa	Rose Island	-14.5465	-168.143883	D2	12/9/2019	19:45	3/20/2024	8:45	8:45	32.0	2/2/2020 19:00	55.0
TIDBIT	20456906	12/31/2019	28.2	American Samoa	Rose Island	-14.5465	-168.143883	D2	12/9/2019	19:45	3/20/2024	8:45	8:45	32.0	2/2/2020 19:00	55.0
TIDBIT	20456906	1/1/2020	28.3	American Samoa	Rose Island	-14.5465	-168.143883	D2	12/9/2019	19:45	3/20/2024	8:45	8:45	32.0	2/2/2020 19:00	55.0
TIDBIT	20456906	1/2/2020	28.3	American Samoa	Rose Island	-14.5465	-168.143883	D2	12/9/2019	19:45	3/20/2024	8:45	8:45	32.0	2/2/2020 19:00	55.0
TIDBIT	20456906	1/3/2020	28.4	American Samoa	Rose Island	-14.5465	-168.143883	D2	12/9/2019	19:45	3/20/2024	8:45	8:45	32.0	2/2/2020 19:00	55.0
TIDBIT	20456906	1/4/2020	28.0	American Samoa	Rose Island	-14.5465	-168.143883	D2	12/9/2019	19:45	3/20/2024	8:45	8:45	32.0	2/2/2020 19:00	55.0
TIDBIT	20456906	1/5/2020	27.6	American Samoa	Rose Island	-14.5465	-168.143883	D2	12/9/2019	19:45	3/20/2024	8:45	8:45	32.0	2/2/2020 19:00	55.0
TIDBIT	20456906	1/6/2020	27.7	American Samoa	Rose Island	-14.5465	-168.143883	D2	12/9/2019	19:45	3/20/2024	8:45	8:45	32.0	2/2/2020 19:00	55.0
TIDBIT	20456906	1/7/2020	27.9	American Samoa	Rose Island	-14.5465	-168.143883	D2	12/9/2019	19:45	3/20/2024	8:45	8:45	32.0	2/2/2020 19:00	55.0
TIDBIT	20456906	1/8/2020	28.1	American Samoa	Rose Island	-14.5465	-168.143883	D2	12/9/2019	19:45	3/20/2024	8:45	8:45	32.0	2/2/2020 19:00	55.0
TIDBIT	20456906	1/9/2020	28.2	American Samoa	Rose Island	-14.5465	-168.143883	D2	12/9/2019	19:45	3/20/2024	8:45	8:45	32.0	2/2/2020 19:00	55.0
TIDBIT	20456906	1/10/2020	28.4	American Samoa	Rose Island	-14.5465	-168.143883	D2	12/9/2019	19:45	3/20/2024	8:45	8:45	32.0	2/2/2020 19:00	55.0
TIDBIT	20456906	1/11/2020	28.6	American Samoa	Rose Island	-14.5465	-168.143883	D2	12/9/2019	19:45	3/20/2024	8:45	8:45	32.0	2/2/2020 19:00	55.0

Supplemental Table 6. Summary of daily average temperatures recorded by temperature data loggers (n=30, HOBO TidbiT) including the logger type, logger number, temperature daily average, region, island, latitutude and longitude of deployment, turtle mototool number, date and time deployed, date and time of excavation, retrieval time of logger, maximum temperature, date and time of maximum temperature, and days to maximum temperature.

TIDBIT	20456906	1/12/2020	28.7	American Samoa	Rose Island	-14.5465	-168.143883	D2	12/9/2019	19:45	3/20/2024	8:45	8:45	32.0	2/2/2020 19:00	55.0
TIDBIT	20456906	1/13/2020	28.8	American Samoa	Rose Island	-14.5465	-168.143883	D2	12/9/2019	19:45	3/20/2024	8:45	8:45	32.0	2/2/2020 19:00	55.0
TIDBIT	20456906	1/14/2020	28.6	American Samoa	Rose Island	-14.5465	-168.143883	D2	12/9/2019	19:45	3/20/2024	8:45	8:45	32.0	2/2/2020 19:00	55.0
TIDBIT	20456906	1/15/2020	28.1	American Samoa	Rose Island	-14.5465	-168.143883	D2	12/9/2019	19:45	3/20/2024	8:45	8:45	32.0	2/2/2020 19:00	55.0
TIDBIT	20456906	1/16/2020	27.9	American Samoa	Rose Island	-14.5465	-168.143883	D2	12/9/2019	19:45	3/20/2024	8:45	8:45	32.0	2/2/2020 19:00	55.0
TIDBIT	20456906	1/17/2020	27.9	American Samoa	Rose Island	-14.5465	-168.143883	D2	12/9/2019	19:45	3/20/2024	8:45	8:45	32.0	2/2/2020 19:00	55.0
TIDBIT	20456906	1/18/2020	27.7	American Samoa	Rose Island	-14.5465	-168.143883	D2	12/9/2019	19:45	3/20/2024	8:45	8:45	32.0	2/2/2020 19:00	55.0
TIDBIT	20456906	1/19/2020	28.4	American Samoa	Rose Island	-14.5465	-168.143883	D2	12/9/2019	19:45	3/20/2024	8:45	8:45	32.0	2/2/2020 19:00	55.0
TIDBIT	20456906	1/20/2020	28.7	American Samoa	Rose Island	-14.5465	-168.143883	D2	12/9/2019	19:45	3/20/2024	8:45	8:45	32.0	2/2/2020 19:00	55.0
TIDBIT	20456906	1/21/2020	28.6	American Samoa	Rose Island	-14.5465	-168.143883	D2	12/9/2019	19:45	3/20/2024	8:45	8:45	32.0	2/2/2020 19:00	55.0
TIDBIT	20456906	1/22/2020	28.5	American Samoa	Rose Island	-14.5465	-168.143883	D2	12/9/2019	19:45	3/20/2024	8:45	8:45	32.0	2/2/2020 19:00	55.0
TIDBIT	20456906	1/23/2020	28.6	American Samoa	Rose Island	-14.5465	-168.143883	D2	12/9/2019	19:45	3/20/2024	8:45	8:45	32.0	2/2/2020 19:00	55.0
TIDBIT	20456906	1/24/2020	28.5	American Samoa	Rose Island	-14.5465	-168.143883	D2	12/9/2019	19:45	3/20/2024	8:45	8:45	32.0	2/2/2020 19:00	55.0
TIDBIT	20456906	1/25/2020	28.6	American Samoa	Rose Island	-14.5465	-168.143883	D2	12/9/2019	19:45	3/20/2024	8:45	8:45	32.0	2/2/2020 19:00	55.0
TIDBIT	20456906	1/26/2020	29.0	American Samoa	Rose Island	-14.5465	-168.143883	D2	12/9/2019	19:45	3/20/2024	8:45	8:45	32.0	2/2/2020 19:00	55.0
TIDBIT	20456906	1/27/2020	29.6	American Samoa	Rose Island	-14.5465	-168.143883	D2	12/9/2019	19:45	3/20/2024	8:45	8:45	32.0	2/2/2020 19:00	55.0
TIDBIT	20456906	1/28/2020	30.0	American Samoa	Rose Island	-14.5465	-168.143883	D2	12/9/2019	19:45	3/20/2024	8:45	8:45	32.0	2/2/2020 19:00	55.0
TIDBIT	20456906	1/29/2020	30.4	American Samoa	Rose Island	-14.5465	-168.143883	D2	12/9/2019	19:45	3/20/2024	8:45	8:45	32.0	2/2/2020 19:00	55.0
TIDBIT	20456906	1/30/2020	30.7	American Samoa	Rose Island	-14.5465	-168.143883	D2	12/9/2019	19:45	3/20/2024	8:45	8:45	32.0	2/2/2020 19:00	55.0
TIDBIT	20456906	1/31/2020	31.1	American Samoa	Rose Island	-14.5465	-168.143883	D2	12/9/2019	19:45	3/20/2024	8:45	8:45	32.0	2/2/2020 19:00	55.0
TIDBIT	20456906	2/1/2020	31.6	American Samoa	Rose Island	-14.5465	-168.143883	D2	12/9/2019	19:45	3/20/2024	8:45	8:45	32.0	2/2/2020 19:00	55.0
TIDBIT	20456906	2/2/2020	31.9	American Samoa	Rose Island	-14.5465	-168.143883	D2	12/9/2019	19:45	3/20/2024	8:45	8:45	32.0	2/2/2020 19:00	55.0