

PART 2 OF 2



STRETCH
PNPA

2025 COMPOSITION
COHORT III DATA

G. H. BALAZS

+1-808-683-8403

"NEPTUNE ACE"
MOL



WILDLIFE
COMPUTERS

Mead®

9.81 KG-MOCK - 40.3 SCL
 George H. Balazs
 Global Sea Turtle Scientist
 www.GeorgeHBalazs.com
 ItsAHonuWorldinHawaii@hotmail.com
 +1-808-683-8402



	1	2	3	4	5	6	7	8
TIME								
MONDAY								
TUESDAY								
WEDNESDAY								
THURSDAY	<p>COHORT III 28 TURTLES RELEASED 7 JULY 2025 HST 4-5PM AT: 39° 41.316N 148° 09.040W</p>							
FRIDAY								
SATURDAY								
SUNDAY								

STRETCH

STRETCH
 SEA TURTLE RESEARCH EXPERIMENT
 THERMAL CORRIDOR HYPOTHESIS

www.GeorgeHBalazs.com



SST 19°C

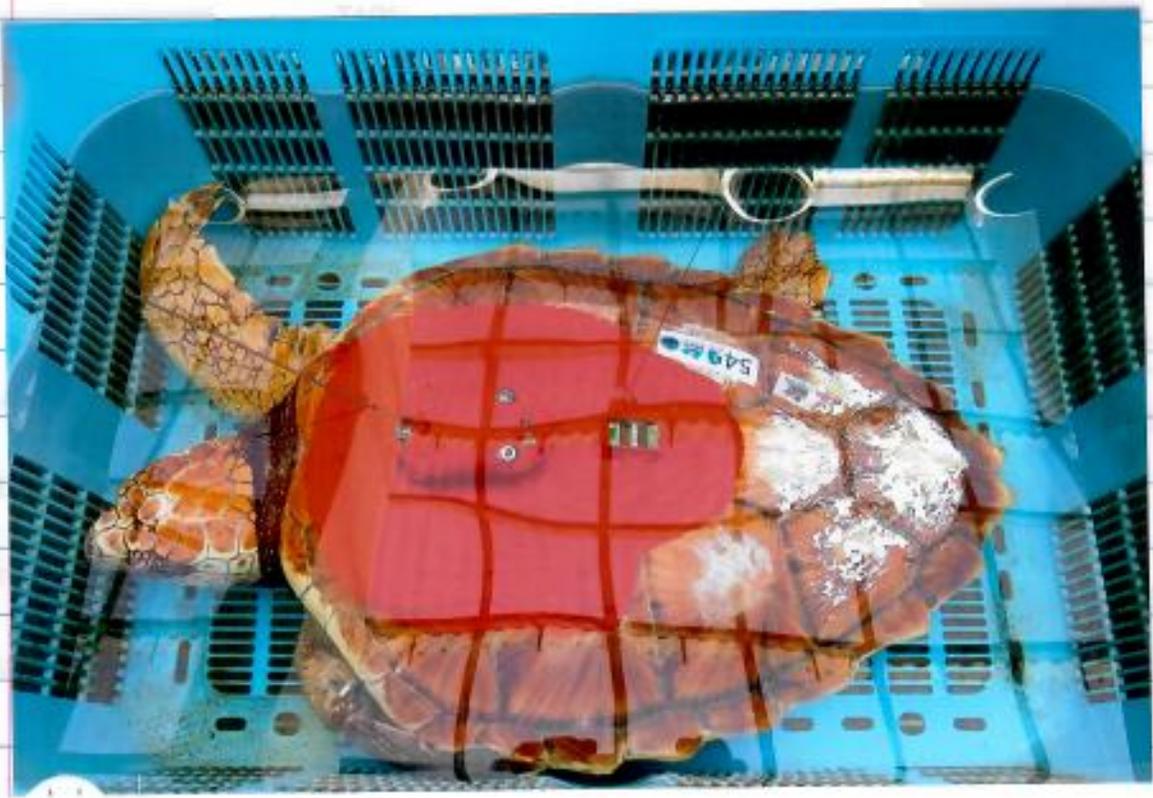
FROM THE "NEPTUNE ACE"

DATE FORM FILLED OUT

STRETCH

STRETCH
SEA TURTLE RESEARCH EXPERIMENT
THERMAL CORRIDOR HYPOTHESIS

PNPA COHORT 2 6/12/25



TOTAL LENGTH:

Serial # 25112157

FLAP LENGTH:

PT ID

WEIGHT:

286934

DIAGNOSTIC REMARKS

+

Stretch

STRETCH

(DATE)

PNPA COHORT 3 6/2025

PERSON RECORDING DATA:

Three empty rectangular boxes for data entry.

TAGS: [Empty rectangular box for tag information]

TAGS: [Empty rectangular box for tag information]

STRAIGHT CARAPACE - LENGTH:

[Empty box] cm

WIDTH: [Empty box] cm

NOTCH LENGTH:

[Empty box] cm

CURVED CARAPACE LENGTH:

[Empty box] cm

WIDTH: [Empty box] cm

HEAD WIDTH:

[Empty box] cm

TAIL LENGTH: T

[Empty box] cm

PLASTRON LENGTH:

[Empty box] cm

WEIGHT:

[Empty box] #

DESCRIPTIVE REMARKS:

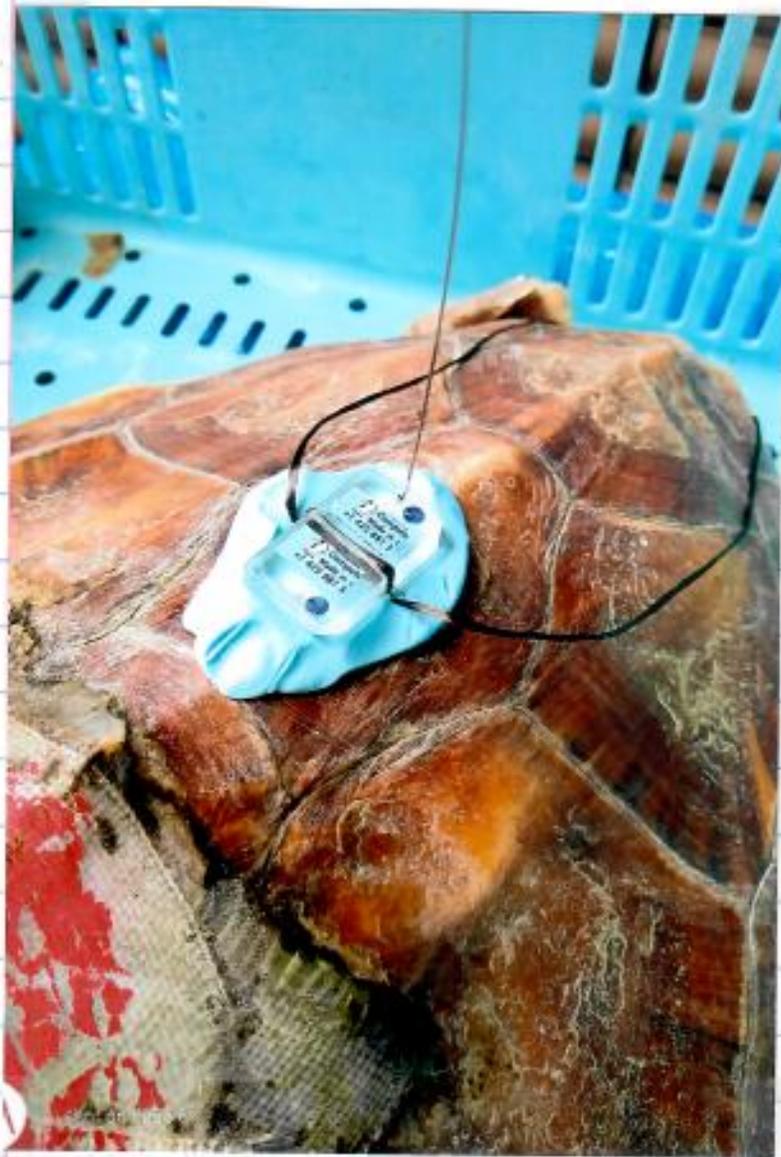
SPOT 387 TO SAITO

Serial #: 2542139

PTT ID 286977

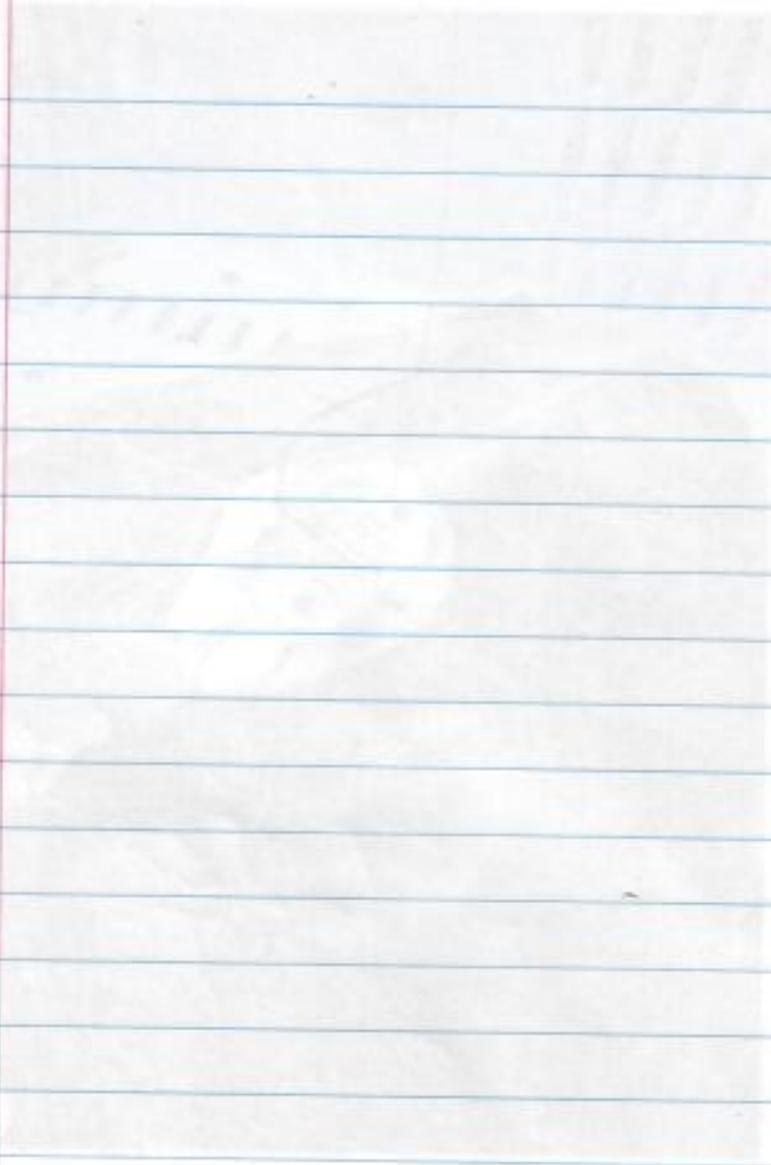
+

EXTRA



STRETCH 5333 Mock 2025 JUNE

STRETCH
SEATURTLE THERMAL EXPERIMENT
THERMAL



STRETCH 333 Black 2025000

- If sterilizing tag, do it before you remove peel ply fabric.
- Apply epoxy to tag immediately after removing peel ply
- Do not touch exposed tag bottom surface before attaching

STRETCH

98

6/2025
MULCH
USED PNPA TO
INCUBATE TURTLE
EGGS IN
ARTIFICIAL
INCUBATOR



STRETCH

STRETCH
SEA TURTLE RESEARCH EXPERIMENT
THERMAL CORRIDOR HYPOTHESIS





STRETCH 5333 Mock 10/2025

STRETCH 5333 Mock

STRETCH
SEA TURTLE RESEARCH EXPERIMENT
THERMAL CORRIDOR HYPOTHESIS

104



STRETCH 5333 Mock 6/2025

STRETCH
SEA TURTLE RESEARCH EXPERIMENT
THERMAL CORRIDOR HYPOTHESIS

74



shin on moto q

SHIN ON MOTO Q
REPRESENTA IL NUOVO SISTEMA
SOLUZIONI DI TRASPORTO



Cohort IV yearling
w/ TTF

Feeding Log - NEPTUNE ACE

110

No.	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81		
26-Jun AM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2025 PM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
27-Jun AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28-Jun AM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29-Jun AM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30-Jun AM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1-Jul AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2-Jul AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3-Jul AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4-Jul AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Repeat day	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5-Jul AM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6-Jul AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

ing times 0.6 1.0 0.3 0.6 0.8 1.0 0.4 0.3 0.3 0.4 0.6 1.0 1.0 1.0 0.8 0.9 0.8 0.6 0.6 0.6 0.6 0.9 1.0 0.9 0.2 0.4 1.0 0.5 0.1

KAKO & YOSHI OSHIMA

O : Fed, x : No Fed, - : No Feeding time (Intentional)

NEPTUNE ACE II

Feeding Log - NEPTUNE ACE

①⑩

↓

No.	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81
26-Jun AM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2025 PM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27-Jun AM	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
27-Jun PM	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
28-Jun AM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28-Jun PM	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
29-Jun AM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29-Jun PM	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
30-Jun AM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30-Jun PM	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
1-Jul AM	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
1-Jul PM	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
2-Jul AM	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
2-Jul PM	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
3-Jul AM	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
3-Jul PM	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
4-Jul AM	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
4-Jul PM	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Repeat day	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
5-Jul AM	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
5-Jul PM	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
6-Jul AM	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
6-Jul PM	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

0.6 1.0 0.3 0.6 0.8 1.0 0.4 0.3 0.3 0.4 0.6 1.0 1.0 1.0 1.0 0.8 0.9 0.8 0.6 0.6 0.9 1.0 0.9 0.2 0.4 1.0 0.5 0.1

KOKO & YOSHIO SHIWA

○ : Fed, x : No Fed, - : No Feeding time (Intentional)

Feed ing times

NEPTUNE ACE II

x < > JEFF P. & LARRY
PSS 014665 11/7/2025
2:00M 3PM
Draft List of Core Attendees 9-10 October

Cc: Jeff Polovina

GULF of ULLOA

A lot of people
praised

Larry- Jeff and I put this together for your provisional
planning purposes when we Zoom.

"The Brown Neck Ocean"

"Loggerheads of the North Pacific: The 5th Hawaii Pacific
University Sea Turtle Workshop & STRETCH International
Mid-Point Team Meeting"

ANNUAL
PI MEETING

TRAVEL FUNDS NEEDED? BUDGET?

NEED TITLES

Stretch was a
consensus project

- Larry
- Larry's 3 (?) Graduate Students
- Dana #?
- Jeff Seminoff
- Saito-san
- Kurita-san
- Mori-san
- Alberto
- Denise
- Rice
- Laura Jim
- Cali

A VARIETY
of WEAPONS TO GET
THE POINT

TALKS
Priority
speakers

3 phd
5 grad
2 dividers

6 of 23

Things
Are Different
to Zoom

OTHERS- UNCERTAIN OR SELF-FUNDED?

- Saito-san Students (2)
- Beverly
- Bianca
- Rowan Calder Wildlife Computers
- MOL Representative
- Philippe Gaspar
- Tomoko Hamabata
- Polovina
- Balazs

Two objective
in person - TALKS

C.C.
ocean
ambassadors
flagship

NOISE
VIDEOD?

Responding to
a challenge

New Caledonia Cavetta

"Think it through"

DATE & TIME local	DATE & TIME in Japan (UTC+9)	UTC	GPS
26/Jun./2025 17:00 (UTC+9)	26/Jun./2025 17:00	26/Jun./2025 08:00	35°
27/Jun./2025 07:00 (UTC+9)	27/Jun./2025 07:00	26/Jun./2025 22:00	34°
27/Jun./2025 17:00 (UTC+9)	27/Jun./2025 17:00	27/Jun./2025 08:00	34°
28/Jun./2025 07:00 (UTC+9)	28/Jun./2025 07:00	27/Jun./2025 22:00	35°
28/Jun./2025 17:00 (UTC+9)	28/Jun./2025 17:00	28/Jun./2025 08:00	35°
29/Jun./2025 07:00 (UTC+9)	29/Jun./2025 07:00	28/Jun./2025 22:00	35°
29/Jun./2025 17:00 (UTC+9)	29/Jun./2025 17:00	29/Jun./2025 08:00	35°
30/Jun./2025 07:00 (UTC+9)	30/Jun./2025 07:00	29/Jun./2025 22:00	35°
30/Jun./2025 17:00 (UTC+9)	30/Jun./2025 17:00	30/Jun./2025 08:00	35°
01/Jul./2025 07:00 (UTC+9)	01/Jul./2025 07:00	30/Jun./2025 22:00	35°
01/Jul./2025 17:00 (UTC+9)	01/Jul./2025 17:00	01/Jul./2025 08:00	36°
02/Jul./2025 07:00 (UTC+9)	02/Jul./2025 07:00	01/Jul./2025 22:00	38°
02/Jul./2025 17:00 (UTC+9)	02/Jul./2025 17:00	02/Jul./2025 08:00	39°
03/Jul./2025 07:00 (UTC+10)	03/Jul./2025 06:00	02/Jul./2025 21:00	40°
03/Jul./2025 17:00 (UTC+10)	03/Jul./2025 16:00	03/Jul./2025 07:00	41°
04/Jul./2025 07:00 (UTC+11)	04/Jul./2025 05:00	03/Jul./2025 20:00	42°
04/Jul./2025 17:00 (UTC+11)	04/Jul./2025 15:00	04/Jul./2025 06:00	42°
04/Jul./2025 07:00 (UTC-12)	05/Jul./2025 04:00	04/Jul./2025 19:00	43°
04/Jul./2025 17:00 (UTC-12)	05/Jul./2025 14:00	05/Jul./2025 05:00	43°
05/Jul./2025 07:00 (UTC-11)	06/Jul./2025 03:00	05/Jul./2025 18:00	43°
05/Jul./2025 17:00 (UTC-11)	06/Jul./2025 13:00	06/Jul./2025 04:00	42°
06/Jul./2025 07:00 (UTC-11)	07/Jul./2025 03:00	06/Jul./2025 18:00	42°
06/Jul./2025 17:00 (UTC-11)	07/Jul./2025 13:00	07/Jul./2025 04:00	41°
07/Jul./2025 07:00 (UTC-11)	08/Jul./2025 03:00	07/Jul./2025 18:00	40°
07/Jul./2025 15:10 (UTC-11)	08/Jul./2025 11:10	08/Jul./2025 02:10	39°
07/Jul./2025 17:00 (UTC-11)	08/Jul./2025 13:00	08/Jul./2025 04:00	39°

GPS	Place name	Sea water temp. (°C)
35°03.044'N, 136°50.301'E	Nagoya-Port	21
34°27.118'N, 138°08.627'E		25
34°30.360'N, 139°53.338'E		24
35°25.081'N, 139°41.346'E	Yokohama	25
35°26.157'N, 139°43.413'E	Yokohama	24
35°26.157'N, 139°43.386'E	Yokohama	24
35°28.381'N, 139°41.306'E	Yokohama	26
35°28.158'N, 139°41.018'E	Yokohama	21
35°28.158'N, 139°41.020'E	Yokohama	22
35°21.722'N, 141°39.044'E		25
36°39.788'N, 145°28.264'E		24
38°30.344'N, 150°40.646'E		19
39°31.820'N, 154°33.092'E		22
40°50.065'N, 159°34.207'E		18
41°32.818'N, 163°38.361'E		18
42°27.437'N, 169°05.581'E		13
42°51.410'N, 173°23.717'E		15
43°15.261'N, 178°52.271'E		14
43°17.142'N, 176°44.178'W		14
43°12.795'N, 171°07.380'W		13
42°51.973'N, 166°45.955'W		13
42°15.139'N, 160°47.876'W		14
41°30.820'N, 156°38.899'W		16
40°25.667'N, 151°09.648'W	Release Day	18
39°41.316'N, 148°09.040'W	Release point	19
39°39.441'N, 147°58.495'W	Release Day	19

"NEPTUNE ACE"
 Cohort III
 STRETCH PNPA
 2025

44
What have we learned so far from Loggerhead STRETCH?

7/9/25 Larry Red

1. The "thermal corridor hypothesis" (Briscoe et al 2021) was generated from satellite tagged Japanese loggerheads released in the North Pacific in 1997-2013. ~~Of 231 turtles, only about 60 loggerheads reached the east end of the North Pacific Convergence Zone. Out of 231 turtles, only about 60 loggerheads reached the east end of the North Pacific Convergence Zone.~~ Of these, only 6 "sentinel" sea turtles (about 340%) entered the "thermal corridor", all during warm ocean "El Nino" conditions, which often occur during El Nino or "marine heatwave" events. Historically, El Nino only occurs every 4-7 years—~~d.~~ During cold La Nina conditions, ~~no fewer~~ turtles were observed going to Baja. We designed STRETCH to release experimental cohorts of 2-year-old loggerheads ~~in each of over~~ four years (2023-2026), with hopes of experiencing at least one warm year and documenting loggerheads entering the thermal corridor. Of course, we expected more common La Nina years should show loggerheads failing to enter the thermal corridor region. Our first cohort in 2023 was deployed in an El Nino year and 7 of 23 turtles entered the thermal corridor (30%, or 3x the rate observed in the legacy data set). Our first cohort in 2023 was deployed in a year characterized by both El Nino and marine heatwave year and 7 of 23 turtles entering the thermal corridor (representing 30%, or 3x the rate observed in the legacy data set). This confirmed the thermal corridor exists and allows Japanese loggerheads to access the west coast of North America during warm conditions.
2. The 2024 cohort is still reporting, but even though it ~~A~~ was a weak, late-forming La Nina was forecast to occur, but did not develop, -neutral year, Neutral conditions prevailed, and in the eastern North Pacific, warmer-than-average conditions developed in late 2024, loggerheads entered the thermal corridor, something we hadn't seen in the legacy data set. Initially, many loggerheads moved eastward at higher latitudes, perhaps assisted by surface currents, but as they approached the cold California current, they turned southward moving toward the shelf of Baja. Not only did we see more loggerheads enter the thermal corridor than in the legacy dataset, but many loggerheads also moved eastward at higher latitudes, possibly aided by stronger-than-average surface currents. However, as they approached the cold California Current, they turned southward, heading towards well-known Baja California habitat. These-These preliminary results suggest that a warm water pathway is indeed followed during El Nino and warmer-than-average conditions are not required, but a warm water pathway is followed. A full test of the thermal corridor hypothesis would require a cohort exposed to cold La Nina conditions—the expectation is loggerheads would not approach-travel through the thermal corridor to Baja California under those

conditions. Instead, they would turn around and remain within the central North Pacific Ocean.

- 3. In 2025, our experimental loggerheads are facing another relatively warm year, suggesting ocean conditions have changed since 1997-2013. Beginning in 2015-16, an unprecedented series of "marine heatwaves" in the North Pacific have been reported by oceanographers. Contrary to historical conditions, our loggerhead cohorts are not experiencing the cold oceanographic La Nina conditions common 1-2 decades ago. Once again, our experimental loggerheads are teaching us about the changing ocean conditions and how these remarkable creatures respond behaviorally to the rapidly changing ocean climate! The behavioral data from our STRETCH loggerheads provide remarkable new insights into their ability to respond to a changing ocean. As it turns out, STRETCH could not have introduced satellite-tagged loggerheads into the North Pacific at a more appropriate place and time to understand these changes!
- 4. We must acknowledge that none of our novel discoveries in loggerhead STRETCH could have been achieved without the efforts of key partners including Dr. Saito (Kochi University) who collected these turtles from the nesting beach, Dr. Kurita and scientist Mori (Port of Nagoya Public Aquarium) who raised our experimental turtles and hosted the satellite tagging, and finally MOL who generously transported our experimental loggerheads to their release point in the Northeast Pacific. Thanks to everyone on the STRETCH Project team for supporting this unprecedented experimental oceanography project! Our sea turtle oceanographers bring their long evolutionary history to this project and are providing new insights for researchers and the public.

Short Summary of what we have learned so far - WWW Loggerhead Stretch

1. We have a very large historical loggerhead sea turtle tracking data set from the early 2000s. We can compare recent STRETCH tracking data to see how loggerhead sea turtle migrations have changed in response to very dramatic physical oceanographic changes occurring in the North Pacific Ocean.
2. So far, with ~~only~~ 2 years of STRETCH data we've learned:
 - i) the loggerhead sea turtles migration route across the North Pacific has shifted ~~X~~ about 550 km further north due to ocean warming and changing productivity,
 - ii) the proportion of turtles reaching ~~Baja~~ ^{offshore} waters is substantially higher now than it was historically likely due to warmer waters off Baja
3. In summary since Japan's loggerhead sea turtles travel across the entire central North Pacific they serve as amazing sentinels showing us the ways marine ecosystems are changing in the rapidly changing ocean.

GO suggestions

NOT NUM BOY

Most importantly, we must acknowledge that none of our novel discoveries in loggerhead STRETCH could have been achieved without the efforts of key partners including Dr. Saito (Kochi University) who collected these turtles from the nesting beach, Dr. Kurita and scientist Mori (Port of Nagoya Public Aquarium) who raised our experimental turtles and hosted the satellite tagging, and finally MOL who generously transported our experimental loggerheads to their release point in the Northeast Pacific. Thanks to everyone on the STRETCH Project team for supporting this unprecedented experimental oceanography project! Our sea turtle oceanographers bring their long evolutionary history to this project and are providing new insights for researchers and the public.

JULY 2025

Short Summary of What We Have Learned So Far from STRETCH
(www.loggerheadstretch.org)

FINAL 7/11/25 LARRY

Our experimental test of the Thermal Corridor Hypothesis has experienced different ocean conditions each year. Our first cohort was deployed during an El Niño and marine heatwave and 30% of the turtles entered the thermal corridor—three times the historic rate. Our second cohort experienced neutral to warmer-than-average conditions and 40% of the turtles entered the thermal corridor.

We have compared data from our historical loggerhead tracking project from the early 2000s to recent STRETCH data to see how loggerhead sea turtle migrations have changed in response to dramatic physical oceanographic changes in the North Pacific Ocean.

So far, with 2 years of STRETCH data we have learned:

The loggerhead sea turtles migration route across the North Pacific has shifted about 550 km further north due to ocean warming and changing productivity.

As the turtles follow this new thermal corridor, some encounter the eastward flowing North Pacific Current that transports them toward the northern California Current. This new migratory corridor opens a more productive habitat but also runs the risk of increased cold-stunning.

In summary, because Japan's loggerhead sea turtles travel across the entire central North Pacific, they serve as amazing sentinels showing us the ways marine ecosystems are changing in response to a rapidly changing ocean.

We acknowledge that none of the novel discoveries in loggerhead STRETCH could have been achieved without the efforts of key partners including Dr. Saito (Kochi University) who collected these loggerheads from the nesting beach, Dr. Kurita and scientist Mori (Port of Nagoya Public Aquarium) who raised our experimental turtles and hosted the satellite tagging, and finally Mitsuki O.S.K. Lines, Ltd.

(<https://www.mol.co.jp/en/>) who generously transported our experimental loggerheads to their release point in the Northeast Pacific. Thanks to everyone on the STRETCH Project team for supporting this unprecedented experimental oceanography project! Our sea turtle oceanographers bring their long evolutionary history to this project and are providing new insights for researchers and the public.

Draft Agenda for October 10th- "Loggerheads of the North Pacific- The 5th Annual Hawaii Pacific University Sea Turtle Workshop & STRETCH International Mid-Point Team Meeting 9-10 Oct."

KURITA AND BALAZS Dedication of the HPU STRETCH WORKSHOP TO DR. ITARU
Uchida, Founding Director of the Magnificent Port of Nagoya Public Aquarium (5 minutes)

MID-JULY 2025

830 Crowder and Balazs- The Genesis and Evolution of Loggerhead STRETCH: What Sea Turtles Have to Teach Us About a Changing Ocean.

845 Jeffrey Polovina- Small Turtles in a Big Ocean: Insights from Satellite Tracking of Loggerhead Sea Turtles as They Navigate the Central North Pacific.

9AM Dana Briscoe- Emerging Insights from the STRETCH Project: Juvenile North Pacific Loggerheads As Sentinels of Ocean Change.

915 AM Philippe Gaspar- The Active Dispersal Scenario of Juvenile North Pacific Loggerhead Turtles Revealed by Historical Satellite Tracking Data and Novel Operational Oceanography Products.

930 PM Masanori Mori and Masanori Kurita- Breeding and Raising Loggerhead Turtles at Port of Nagoya Public Aquarium.

945 Yamaguchi and Saito- The Features of Nesting Environment of the STRETCH Turtle Birth Beach.

1000-1015 AM BREAK ← + PHOTOS

1015 Saito, Yamaguchi, and Sugiura- Loggerhead Turtle Nesting Trend on Kochi Beach from 2009 to 2024.

1030 Sugiura, Yamaguchi and Saito- Migratory Routes and Responses to the Marine Environment of Female Loggerhead Turtles Visiting the Waters off Kochi Prefecture.

1045 Tomoko Hamabata- Same Clutch, Different Journeys? A Research-Proposal to Explore the Genetic Background of Movement Variability in Loggerhead Turtles.

1100 Rowan Calder- Wildlife Computers Inc: A Brief History, Current and Ongoing Projects, and Direct Involvement with STRETCH.

1115 Laura Jim Learning Through Turtles: Educational Opportunities with STRETCH.

1130-12 NOON GROUP DISCUSSION

LUNCH 12 NOON -

Date: _____
Time: _____
Place: _____
Host: _____

Marc Rice- Engaging The Public: Our Blog as a Tool for STRETCH Outreach.

11:50
1:30

Alberto Abreu- What do STRETCH Loggerheads Tell Us About Their Recruitment into Mexican Habitats, and How can STRETCH

Jeffrey Seminoff- Loggerhead Turtles in California Waters.

2:45 PM
2:00

Cali Turner- Demography and Habitat Use of Loggerheads along the North American West Coast: Insights from Skeletochronology and Stable Isotope Analysis.

Bianca Silva Santos- Habitat Suitability and Transboundary Considerations of Loggerhead Sea Turtles in the Eastern North Pacific.

2:15

Denise Parker- Loggerhead Landscape, Landmark Frequented During Transpacific Travels.

2:30

- During these consecutive years from Sep 21st to Nov 28th June 2025, a total of 32 animals tags (21 x 2024, 11 x 2025) and 2 x TTD (1 x 2024, 1 x 2025) were attached to 28 turtles (2024: 15 and 2025: 13) respectively.
- In Cohort 1 attached in June 2024, the average SCL and mass of 20 turtles was 36.5 cm (range 22.2 - 41.1 cm) and 7.9 kg (range 3.4 - 11.5 kg) respectively.
- In Cohort 2 attached in June 2024, the average SCL and mass of 29 turtles was 38.0 cm (range 14.5 - 48.5 cm) and 8.3 kg (range 3.5 - 12.5 kg) respectively.
- In Cohort 3 attached in June 2025, the average SCL and mass of 25 turtles was 37.0 cm (range 15.5 - 44.5 cm) and 8.3 kg (range 3.9 - 12.5 kg) respectively.

PROVISIONAL AGENDA FOR THE DAY

Friday October 10, 2025

8am to 4pm = 480 minutes

17 talks x 15 minutes (12 min presentation +3 min Q & A at speaker's discretion)= 255 min.

Opening- 30 minutes (Traditional Hawaiian Blessings, Welcome by HPU Sponsors/Dignitaries, Workshop Dedication.

Presentations- 255 min

Lunch- 90 min

Breaks- 2 x 20= 40 min (morning break will include group photos in HPU courtyard.

TOTAL- 415 minutes

480 minutes minus 415 minutes= ~65 min available for backfill and overall discussions in two sessions- ~30 min duration before lunch and ~30 min duration at end-of-day 4pm workshop final remarks and closing.

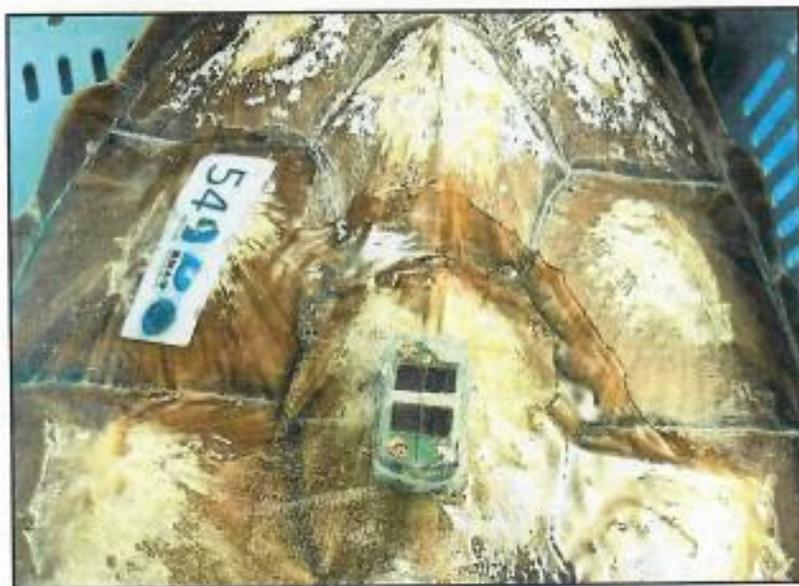
Attachment Protocol for STRETCH SPOT-S-433 Tiny Turtle Tags

Author: Rowan Calder (rowan@wildlifecomputers.com), in collaboration with George Balazs and Marc Rice, August 2025

Step-by-step attachment procedure for prototype testing Tiny Turtle Tags (TTT) used by the STRETCH program on two-year-old captive reared loggerhead sea turtles (*Caretta caretta*) at the Port of Nagoya Public Aquarium in June 2025.

Five TTT were supplied by Wildlife Computers Inc. to STRETCH, the first to be field tested on sea turtles after successful deployments of the similar tiny solar tags (Denali) on multiple species of birds globally.

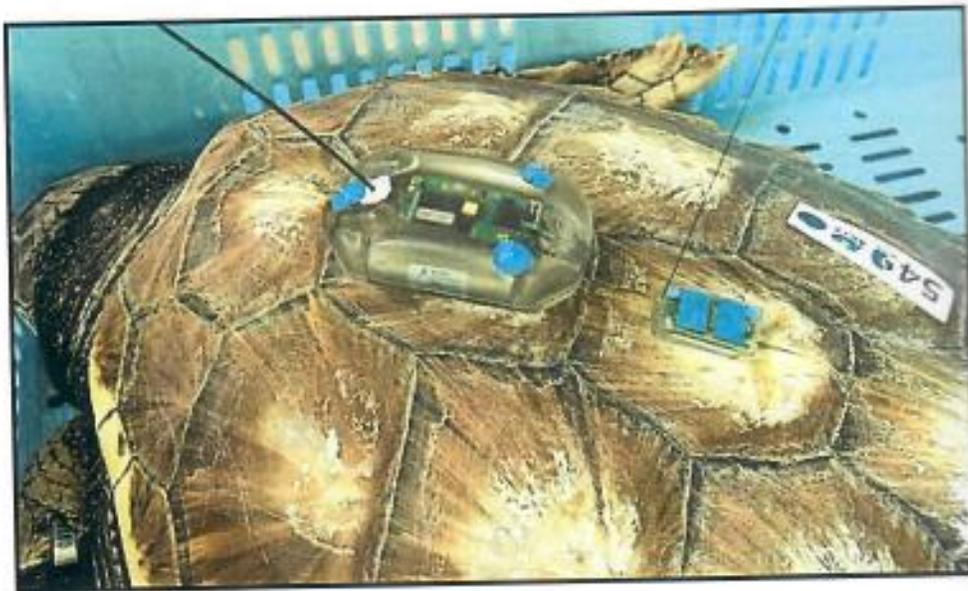
More information on the STRETCH program can be found [here](#).



- During three consecutive days from Sat 21st to Mon 23rd June 2025, a total of 33 active tags (25 x SPOT, 3 x SPLASH and 5 x TTT) plus a dummy TTT were attached to 29 turtles in batches of 9, 14 and 11 tags per respectively.
- In Cohort 1 of STRETCH, attached in June 2023, the average SCL and mass of 25 turtles was 36.5 cm (range 32.2 – 41.1 cm) and 7.9 kg (range 5.4 – 11 kg) respectively.
- In Cohort 2 attached in June 2024, the average SCL and mass of 29 turtles was 38.3 cm (range 34.5 – 45.3 cm) and 8.8 kg (range 6.6 – 13.9 kg) respectively.
- In Cohort 3 attached in June 2025, the average SCL and mass of 28 turtles was 38.7 cm (range 35.6 – 44.5 cm) and 8.3 kg (range 6.5 – 13.5 kg) respectively.

Notes before the protocol:

- The TTT weigh 7.2 g and have a footprint of 34 x 19 x 8 mm (L x W x H). The majority of the upper surface is covered by two solar panels and two copper wet/dry sensors. The procedure described here for the TTT is based on the standard protocol used by STRETCH (already described) with some modest changes to accommodate for the small size and surface areas involved.
- With only 28 turtles available to be tagged, we opted to double tag all three of the turtles carrying SPLASH tags and two of the largest turtles carrying SPOT tags. This provided a means of validating TTT location accuracy.
- Two antenna types were being field trialed. Three of the TTT had a stiff single stranded stainless-steel antenna which protruded at 90 degrees to the upper surface on the anterior end of the tag and two had a stranded nitinol antenna which was significantly more flexible (floppy).
- Ideally the tags would have been positioned at the highest point on the carapace, the location most likely to break the water surface first or be highest out the water when the turtles are basking on the surface to optimize satellite transmission and solar charging.
- Being double tagged, the SPLASH/SPOT tags took preference and were optimally positioned on the second vertebral scute from the head. The TTT were attached to the third vertebral scute. The three TTT paired with SPLASH tags had stiff antenna's and orientated with the anterior of the tag facing forward toward the head of the turtle. The two paired with SPOT tags were orientated in reverse. This was done to minimize/avoid any possibility of interference from the antennas potentially touching each other during deployment.

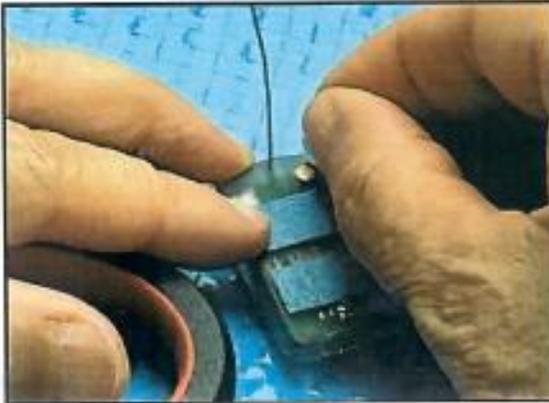


- SPOT and SPLASH tags were attached first as per the standard STRETCH protocol, the TTT attached afterwards, once the resin was dry, but before any antifoul bottom paint was applied. The below then picks up from the start of the TTT attachment.

Attachment procedure of the TTT tag in detail:

104

1. Cover the solar panels and wet/dry sensors with masking tape.

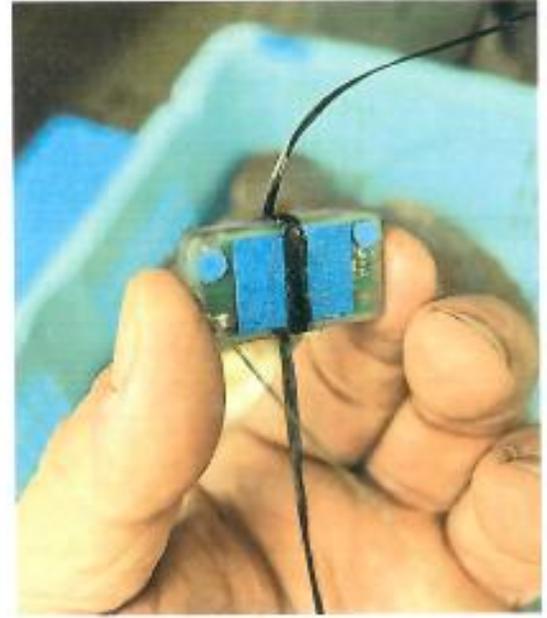


2. Outline the tag shape on a piece of fiber glass cloth about 100 mm long x 75 mm wide. Cut at angles into the corners of the outline and remove a small rectangular piece in the center. Goal is to have a sufficient flap of cloth to ride up the sides and front of the tag that can be resined against the edges of the tag. Set aside until step 6.



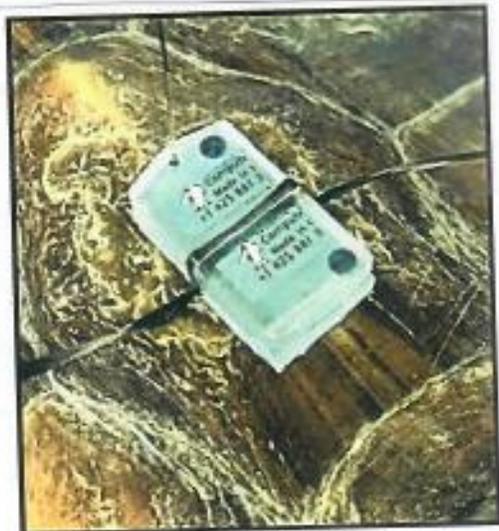
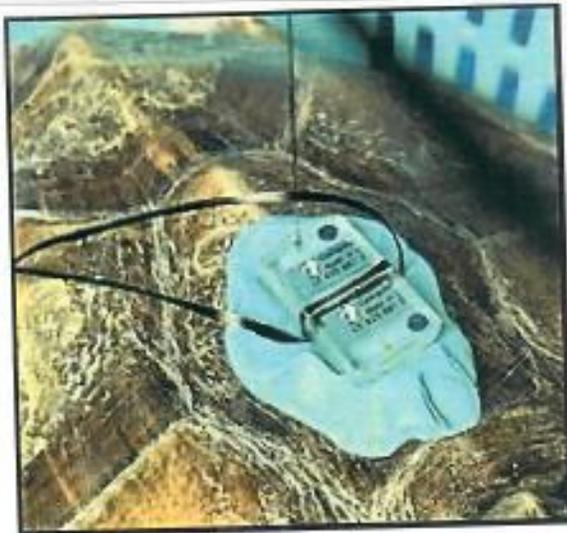
3. Unwind a 20 cm long individual thread of fiber from a piece of carbon braided webbing. Lay the fiber across the width of the tag between the solar panels and apply a thin coat of resin avoiding

the masking tape covers over the solar panels. Once securely bonded to the upper surface, resin the fiber is to each side of the tag, then crisscross the fiber underneath bottom of the tag and apply resin. When fully cured the carbon fiber is bonded completely to and around the middle of the tag with approx. 10 cm extending each side (sans resin) from the underside of the tag.

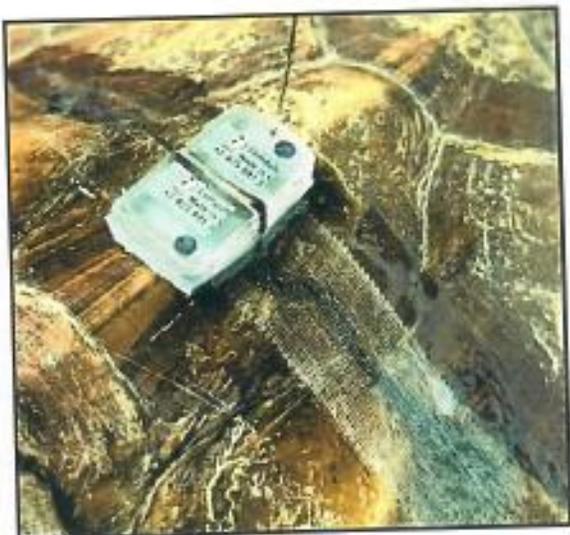
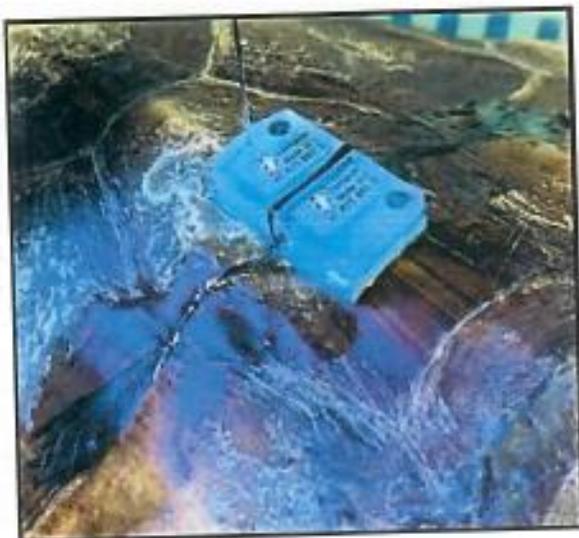


4. When the polyester resin is sufficiently dry, elastomer silicon putty is hand mixed and pressed to the base of the tag. The tag is then positioned and pressed down onto the freshly cured resin on vertebral scute 3, directly behind the attached SPLASH/SPOT tag. When cured (just minutes), excess silicon is trimmed to the footprint of the tag with a craft knife taking care not to damage the carbon fiber extension anchors or do any damage to the carapace.





5. Trim the two extension anchors of carbon fiber to size then resin them directly to the carapace. When cured fiberglass a piece of 25 mm wide cloth over the top of the fiber and running up the side of the tag, level with the top but not extending above it.



6. Carefully place the piece of fiberglass cloth prepared in step 2 over the top of the tag with the antenna and upper surface of the tag exposed through the hole. Apply resin taking great care to get full coverage of the cloth riding up the sides, front and back of the tag. Ensure you do not extend any fiber or resin residue above the top surface of the tag creating a well in which water can sit when deployed. This is imperative because water pooled over the wet/dry sensors will prevent the tag from transmitting when the turtle is on the surface.

the masking tape covers over the



7. Once the last polyester resin coat has cured the entire polyester footprint is antifouled with a single coat of red antifoul paint, including the antennas on the TTT.

Final Step:

8. When dry, remove masking tape from the sensors and solar panels and return the turtles to their individual holding pens. The TTT will automatically turn on once the wet/dry sensors are exposed to salt water.



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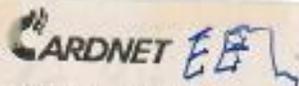
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It is difficult for me to explain this baby turtle to you in conversation, so I have written it down.

BY
ANEXAS; CATE 6/2025
MOR.

On April 26, a female sea turtle laid 65 eggs, 30 of which I sent to Kochi University for research on hatchlings. I was informed that those eggs hatched on June 16.

Therefore, I expected that the remaining 35 eggs we were managing on the artificial beach had already hatched in the sand and would soon emerge.

However, there were no signs of them emerging from the sand, such as the sand surface collapsing.

Given this situation, I feared that the hatchlings might die because there were too few of them to emerge from the sand, so I decided to dig them up yesterday evening.

Upon digging, my concerns were unfounded.

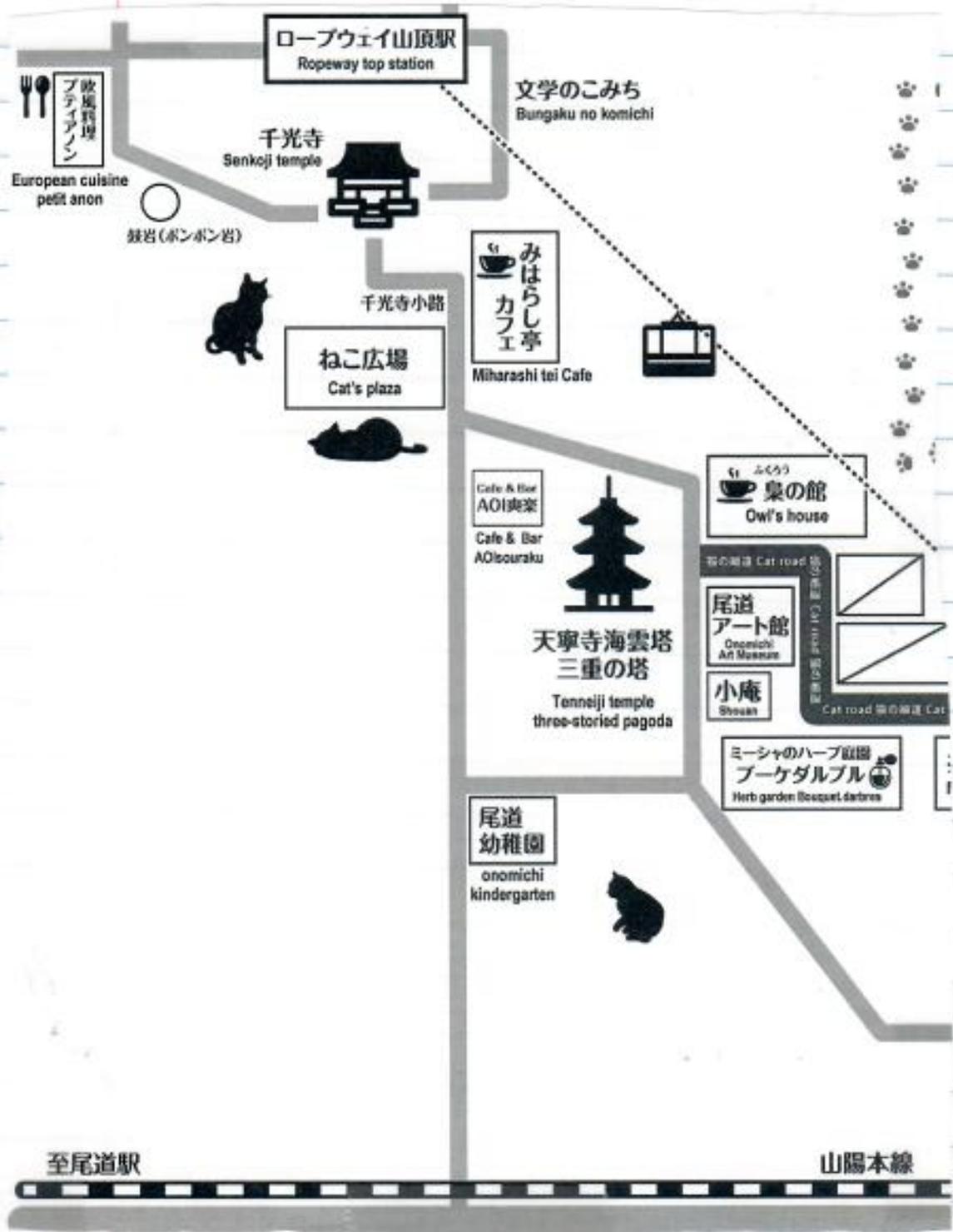
There were six hatched individuals in the sand, and some eggs were cracked with only the baby's head protruding, a state known as "piping."

This is a normal condition, and if we had waited another 5 to 7 days, they would have emerged from the sand on their own.

The incubation temperature of the eggs sent to Kochi is almost the same as here, so I thought the timing of hatching would be synchronized.

These baby turtles should still have been in the sand at this point, so I plan to keep them in the incubator for a little longer before moving them to a baby turtle tank.

My prediction was off, but I'm glad I was able to show you the baby turtles in the end.



ロープウェイ山頂駅
Ropeway top station

文学のこみち
Bungaku no komichi

欧風料理
フレイション
European cuisine
petit anon

千光寺
Senkoji temple



妹岩(ボンボン岩)

千光寺小路

ねこ広場
Cat's plaza



みはらし亭
カフェ
Miharashi tei Cafe



Cafe & Bar
AOI 夷楽
Cafe & Bar
AOIouraku



天寧寺海雲塔
三重の塔
Tenneji temple
three-storied pagoda

owl's house
Owl's house



尾道
アート館
Onomichi
Art Museum

小庵
Shouan

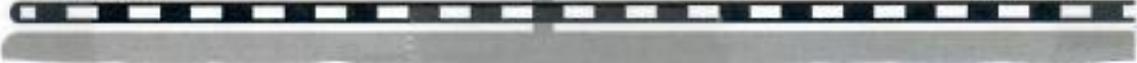
ミーシャのハーブ庭園
ブーケダルブル
Herb garden bouquet daires

尾道
幼稚園
onomichi
kindergarten



至尾道駅

山陽本線



猫の細道MAP

尾道を訪れたら一度は歩いてみたい猫の細道

猫の細道は長(うしとら)神社の東側から天寧寺三重塔にかけて続く約200mの細い路地。

作家の園山春二先生が生み出した「福石猫」を1998年よりこの路地に置きはじめ、

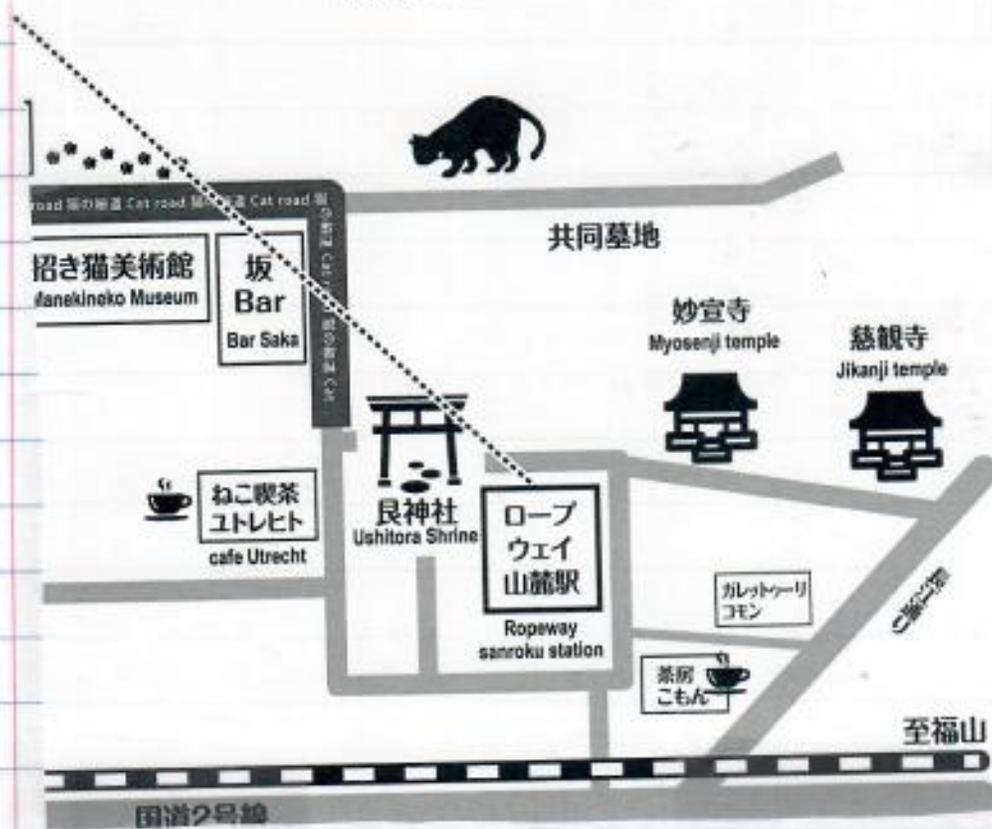
この愛称で呼ばれるようになりました。

また周辺には空き家を再生した隠れ家的なお店や美術館もたくさん点在しているので、

猫の気分でそぞろ歩きを楽しんでみてはいかがでしょうか。



※各店舗は時期や状況により営業外の場合がございます。



享月 日 新 聞

6/2025

1950#2月1



沖縄戦で父を亡くした新城淑子さん(80)は、刻まれた名前に水をかけ涙を流した。「お墓や仏壇の前では泣かないが、ここへ来ると涙がこぼれる」=23日、沖縄県糸満市、小宮路遊園

歴史を胸に祈る

沖縄慰霊の日

太平洋戦争末期の沖縄戦の犠牲者を悼む「慰霊の日」の23日、沖縄県糸満市の県平和祈念公園で沖縄全戦没者追悼式が営まれた。米軍がイランの核施設を攻撃するなど国際情勢が緊迫する中、玉城デニー知事は「沖縄戦の教訓を世代を超えて守り伝え続けていく」とは、今を生きる私たちの使命」と訴えた。

戦後80年

2面||速のく政治
12面||社説
24面||平和宣言全文
27面||いま伝えねば

1945年3月下旬に始まった沖縄戦では約3カ月間にわたり住民を巻き込む地上戦が行われ、日米で20万人余りが犠牲になった。6月23日に日本軍の組織的戦闘が終わったとされる。

式典には、石破茂首相や衆参両院議長のほか、国連軍縮部門トップの中瀬泉事務次長らも参列。玉城知事は平和宣言で、「戦後90年、100年を見据えた長期的な視点に

立ち、世界の恒久平和に向け沖縄が果たすべき役割を掲げ、発信する」として、沖縄戦研究や平和構築のための「国際平和研究機構」を創設する方針を表明。県内に残る戦争遺跡の保存・活用も進めるとした。

また、戦後77年間にわたり米軍の統治下におかれた沖縄には、全国の米軍専用施設の7割が集中する状況が続く。米軍普天間飛行場(宜野湾市)の名護市辺野古移設は、県が反対する中で政府が工事を進めているほか、米兵による性暴力事件も相次いでおり、玉城知事

6/2025

ANA
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HOTEL GRAND COURT NAGOYA

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ISLAND of OZU

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EHIME Prefecture

LYO-NAGAHAMA
STATION

PORT NAGAHAMA

TRIED TO
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Refug
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アカウミガメどこへゆく? 6/2025

絶滅危惧種のアカウミガメの回遊経路を調べているプロジェクトチーム「ストレッチ」は21日、港区の名古屋港水族館で、7月上旬に海上で放流するアカウミガメの甲羅に、位置情報を発信する送信機を取り付けた。2023年から5年間の研究も今年で3年目。集めたデータで生息域を解明し、効果的な保護活動につなげる。

(角野峻也)

が上昇すると、メキシコ沖まで到達するとの仮説を立てた。

この日は米国やメキシコ、ニューージーランドの研究者ら10人が、放流に向けた準備作業をした。1歳10カ月の28匹を放流し、送信機から発信された位置情報を地図上にプロットして、現在地が即座に分かる仕組みだという。米ハワイ州のウミガメ研究者ジョージ・バラーズさん(82)は「海水温の上昇がアカウミガメの生息域を変えている可能性がある」と話した。

チームは同館や米スタンフォード大、高知大などで構成。北太平洋ではほぼ唯一の産卵地とされる日本で生まれたアカウミガメは、黒潮の流れに乗って北太平洋中央部へ。豊富なエサ場で成長し、再び日本近海へ戻ると考えられている。ただ、これまでの調査では例外的にメキシコ沖まで到達した個体もあり、チームはエルニーニョ現象で海水温

アカウミガメの甲羅に送信機を取り付ける準備をする研究者ら
=港区の名古屋港水族館で



名古屋水族館 甲羅に位置情報送信機を取り付け

** ご朝食券 / BREAKFAST TICKET **

2F「ガーデンコート / Garden Court」
6:30a.m. ~ 10:30a.m. (ブッフェ / Buffet ~ 10:00a.m.)
※ブッフェ最終入場 / Buffet last entry 9:30a.m.

券券PJ

25. 6. 27



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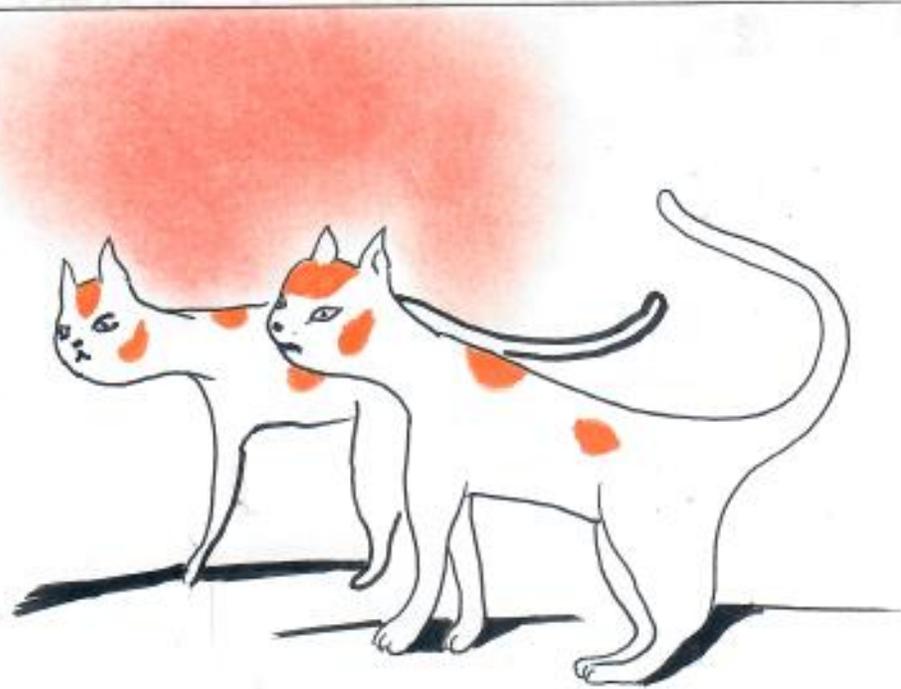
LEW23-25

392 14300050452

CHINA 25

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*Cohort III
Turtles
not used*

Local ID	Inconel Tug No, (left forefoot)	Trovan PIT Tug ID (Right shoulder)
Hatching on Aug 30 ~ Sep 7, 2023	attached on Nov 5, 2024	injected Feb 7, 2025

CcW23-08	5158	392145000949529
----------	------	-----------------

CcW23-13	5163	392145000931213
CcW23-14		392145000941247

CcW23-25		392145000958452
CcW23-26	5177	392145000941270

CcW23-09
CcW23-10
CcW23-11
CcW23-12
CcW23-13
CcW23-14
CcW23-15
CcW23-16
CcW23-17
CcW23-18
CcW23-19
CcW23-20
CcW23-21
CcW23-22
CcW23-23
CcW23-24
CcW23-25
CcW23-26
CcW23-27
CcW23-28
CcW23-29
CcW23-30

Collect III 2024-25

COHORT 3 Local ID	SCL (cm)	BW (kg)	SCL (cm)	BW (kg)	SCL (cm)
Hatching on Aug 30 ~ Sep 7, 2023	Measured on Dec 28, 2023 Average of 10 random turtles		Jan 11, 2024 Average of 10 random turtles		Mar 7 Average of 10
CcW23-01					
CcW23-02					
CcW23-03					
CcW23-04					
CcW23-05					
CcW23-06					
CcW23-07					
CcW23-08					
CcW23-09					
CcW23-10					
CcW23-11					
CcW23-12					
CcW23-13					
CcW23-14					
CcW23-15					
CcW23-16					
CcW23-17					
CcW23-18					
CcW23-19					
CcW23-20					
CcW23-21					
CcW23-22					
CcW23-23					
CcW23-24					
CcW23-25					
CcW23-26					
CcW23-27					
CcW23-28					
CcW23-29					
CcW23-30					
	10.6	247.4	11.4	304.4	14.1

COHORT III 2024-25

SCL (cm)	BW (kg)	SCL (cm)	BW (kg)	SCL (cm)	BW (kg)	Inconel Tug No. (left forefoot)
Aug 5, 2024 Average of 10 random turtles		Sep 5, 2024 Average of 10 random turtles		Oct 7, 2024 Average of 10 random turtles		attached on Nov 5, 2024
17.9	1109.2	19.6	1476.0	21.8	1974.0	1 5151
						2 5152
						3 5153
						4 5154
						5 5155
						6 5156
						7 5157
						8 5158
						9 5159
						10 5160
						11 5161
						12 5162
						13 5163
						14 5164
						15 5165
						16 5166
						17 5167
						18 5168
						19 5169
						20 5170
						21 5171
						22 5172
						23 5173
						24 5175
						25 5182
						26 5177
						27 5178
						28 5179
						29 5180
						30 5181

N=30

SCL (cm)	SCW (cm)	BW (kg)	SCL (cm)	SCW (cm)	BW (kg)	SCL (cm)	SCW (cm)	BW (kg)	SCL (cm)
Nov 5, 2024			Dec 5, 2024			Jan 4, 2025			Me
24.9	20.1	2.6	27.2	22.1	3.3	29.3	23.7	4.0	30.6
22.9	19.2	2.2	24.6	20.6	2.6	26.0	21.9	3.1	27.0
23.8	19.7	2.5	25.9	21.7	3.3	28.1	23.3	4.2	29.3
24.6	20.8	2.7	27.1	22.9	3.5	29.2	24.6	4.1	30.5
23.5	20.2	2.4	25.6	22.0	2.9	26.9	23.0	3.4	27.9
23.5	19.2	2.4	25.4	21.2	2.9	27.5	22.4	3.5	28.3
22.4	19.4	2.1	24.3	21.0	2.7	26.4	22.5	3.2	27.4
24.0	20.4	2.4	25.7	21.7	2.9	27.5	23.2	3.5	28.5
23.9	20.0	2.6	26.6	22.0	3.3	29.8	24.0	4.1	30.5
25.9	21.2	2.9	28.3	23.2	3.6	30.3	24.5	4.4	31.6
23.7	20.4	2.5	26.0	22.1	3.1	27.7	23.5	3.7	28.9
23.1	19.2	2.3	25.3	21.2	2.9	27.6	22.8	3.7	28.7
23.8	19.0	2.4	26.5	21.2	3.1	29.1	23.5	3.9	30.2
23.4	20.1	2.4	24.3	20.8	2.7	25.8	21.9	3.2	27.2
25.5	21.4	3.0	28.1	23.5	3.9	30.4	25.4	4.6	31.3
24.1	20.1	2.5	26.6	22.0	3.3	29.3	23.9	4.0	30.1
23.8	20.0	2.3	26.2	21.6	3.0	28.3	23.7	3.6	29.5
22.4	18.5	2.0	24.3	19.6	2.4	25.9	20.6	2.8	26.8
24.5	20.6	2.7	26.7	22.4	3.3	28.3	23.9	3.9	29.4
24.8	20.3	2.7	26.8	22.1	3.4	28.7	23.7	4.1	30.0
23.7	20.3	2.4	26.1	22.2	3.2	28.5	24.0	3.7	29.2
23.4	20.2	2.5	25.8	21.9	3.3	28.0	23.7	4.1	29.4
23.1	18.9	2.2	25.6	20.6	2.8	27.9	22.5	3.4	28.6
22.6	19.7	2.2	24.3	21.0	2.7	26.1	23.1	3.3	27.7
23.8	19.9	2.4	27.3	22.8	3.9	29.4	24.7	4.6	30.6
23.9	20.1	2.4	26.0	21.5	3.0	28.6	23.4	3.8	29.4
24.3	20.9	2.8	26.4	22.7	3.1	28.5	23.3	3.8	29.7
25.6	21.9	3.1	27.0	23.1	3.8	29.6	24.8	4.9	30.7
24.6	21.0	2.6	28.4	24.1	4.3	31.1	26.5	5.5	32.6
24.8	21.0	2.9	27.3	22.9	3.4	29.6	25.0	4.2	31.0
23.9	20.1	2.5	26.2	21.9	3.2	28.3	23.6	3.9	29.4

SCW (cm)	BW (kg)	SCL (cm)	SCW (cm)	BW (kg)	SCL (cm)	SCW (cm)	BW (kg)	SCL (cm)
-------------	------------	-------------	-------------	------------	-------------	-------------	------------	-------------

Jan 14, 2025
measured with George

Feb 7, 2025

Mar. 5, 2025

24.4	4.3	32.6	25.9	5.1	34.7	27.3	6.0	36.3
22.4	3.2	28.3	23.4	3.6	29.9	24.3	4.1	31.5
24.2	4.5	31.2	25.5	5.3	33.2	27.1	6.0	35.6
25.2	4.6	32.4	26.7	5.2	34.4	28.2	6.1	35.0
23.6	3.5	29.6	24.7	4.2	31.3	26.1	4.6	33.3
23.4	3.8	30.2	24.6	4.5	32.0	25.7	5.0	34.2
23.3	3.5	29.0	24.5	4.1	30.6	25.9	4.6	32.9
23.8	3.7	30.3	25.0	4.4	32.3	26.4	4.9	34.2
24.7	4.5	32.8	26.2	5.5	34.9	27.9	6.2	36.6
25.7	4.2	33.7	26.9	5.6	35.7	28.5	6.5	38.5
24.1	4.0	30.7	25.4	4.5	32.5	26.6	5.1	34.0
23.8	3.9	30.9	24.9	4.7	32.6	26.2	5.3	35.1
23.8	4.2	32.3	25.2	5.1	34.6	26.8	5.8	36.0
22.8	3.5	29.0	24.4	4.1	31.0	25.9	4.8	33.6
25.9	5.0	33.5	27.5	6.1	35.6	29.3	6.9	37.9
24.5	4.4	32.0	25.8	5.1	34.1	27.2	5.9	35.7
24.1	3.9	31.4	25.7	4.7	33.3	27.0	5.3	34.7
21.5	3.0	28.7	22.6	3.6	30.3	23.6	3.9	31.2
24.5	4.2	31.2	25.8	4.8	32.7	27.0	5.4	35.0
24.5	4.4	31.9	25.9	5.1	33.7	27.2	5.6	35.0
25.0	4.0	31.1	25.6	4.7	32.8	27.0	5.2	34.7
24.5	4.4	31.3	25.9	5.0	33.3	27.4	5.7	34.5
22.9	3.6	30.2	23.9	4.2	31.7	25.2	4.6	33.4
24.0	3.6	29.8	25.3	4.2	31.8	26.5	4.9	34.3
25.4	4.9	32.6	26.7	5.8	34.4	28.0	6.5	35.7
24.0	4.1	31.4	25.5	4.9	33.4	26.8	5.5	34.0
24.3	4.2	31.8	25.8	5.0	33.6	27.4	5.6	35.3
25.9	5.5	33.0	27.4	6.4	35.4	29.3	7.3	37.0
27.1	6.0	34.9	28.5	7.2	37.3	30.3	8.5	40.1
25.5	4.6	33.1	27.0	5.5	35.2	28.6	6.4	36.7

24.3

4.2

31.4

25.6

4.9

33.3

27.0

5.6

35.1

SCW (cm)	BW (kg)	SCL (cm)	SCW (cm)	BW (kg)	SCL (cm)	SCW (cm)	BW (kg)
April 6, 2025			May 7, 2025		N=30 Jun 6, 2025		
28.4	6.3	37.5	29.4	7.2	38.9	30.5	7.8
25.8	4.8	33.6	27.7	6.0	35.6	29.2	7.0
28.5	7.0	37.0	29.7	7.4	38.5	30.7	8.6
28.7	6.4	35.6	29.2	6.4	36.2	29.9	6.5
27.3	5.7	35.9	29.4	6.6	37.8	30.7	7.8
27.3	6.1	36.8	29.4	7.3	38.8	30.9	8.5
27.4	5.6	35.4	29.7	6.8	37.4	31.3	8.2
27.7	5.9	36.4	29.8	6.9	38.2	31.3	8.0
29.3	6.9	38.1	30.6	7.5	39.4	31.0	8.3
30.4	8.2	41.4	32.3	9.6	43.2	33.0	11.6
27.6	6.1	36.5	29.5	7.1	38.2	30.7	8.3
27.8	6.5	36.8	29.2	6.9	37.9	29.9	7.7
27.6	5.9	37.4	28.7	6.7	38.4	29.4	7.1
27.5	5.9	36.1	29.6	7.1	38.3	30.7	8.4
30.8	8.7	40.9	33.6	10.3	43.3	35.1	12.3
28.2	6.2	36.9	29.3	6.9	38.4	30.4	8.2
28.0	5.7	36.1	28.8	6.2	37.4	30.2	7.1
24.5	4.5	33.6	26.7	5.8	36.4	28.5	6.9
28.5	6.6	36.6	29.9	6.9	37.8	30.9	7.9
29.2	6.0	36.6	29.8	7.1	38.7	31.3	7.8
28.2	6.2	36.2	29.4	6.5	37.5	30.5	7.1
28.1	6.0	35.6	29.2	6.7	36.9	30.8	6.8
25.8	5.3	35.6	28.0	6.3	37.3	29.3	7.3
28.4	6.1	37.1	30.6	7.2	39.0	32.1	8.4
28.8	6.6	36.6	29.5	7.7	38.7	31.4	8.6
27.4	5.8	35.3	28.2	6.3	37.2	29.7	6.8
28.5	6.1	36.8	29.6	6.7	38.6	30.7	7.6
30.6	7.6	38.6	31.7	8.8	40.5	33.2	9.6
32.3	10.7	42.2	34.2	12.1	44.5	35.5	13.5
29.5	6.6	37.8	30.4	7.2	39.5	31.7	8.3
28.3	6.4	36.9	29.8	7.3	38.6	31.0	8.3

Local ID	Inconel Tug No, (left forefoot)	Trovan PIT Tug ID (Right shoulder)	SCL (cm)	SCW (cm)	BW (kg)
Hatching on Aug 30 ~ Sep 7, 2023	attached on Nov 5, 2024	injected Feb 7, 2025	Jun 6, 2025		
CcW23-01	5151	392145000936796	38.9	30.5	7.8
CcW23-02	5152	392145000947789	35.6	29.2	7.0
CcW23-03	5153	392145000823585	38.5	30.7	8.6
CcW23-04	5154	392145000949382	36.2	29.9	6.5
CcW23-05	5155	392145000959539	37.8	30.7	7.8
CcW23-06	5156	392145000938124	38.8	30.9	8.5
CcW23-07	5157	392145000938143	37.4	31.3	8.2
CcW23-08	5158	392145000949529	38.2	31.3	8.0
CcW23-09	5159	392145000958200	39.4	31.0	8.3
CcW23-10	5160	392145000961087	43.2	33.0	11.6
CcW23-11	5161	392145000822224	38.2	30.7	8.3
CcW23-12	5162	392145000827567	37.9	29.9	7.7
CcW23-13	5163	392145000931213	38.4	29.4	7.1
CcW23-14	5164	392145000941247	38.3	30.7	8.4
CcW23-15	5165	392145000960109	43.3	35.1	12.3
CcW23-16	5166	392145000943335	38.4	30.4	8.2
CcW23-17	5167	392145000815991	37.4	30.2	7.1
CcW23-18	5168	392145000956464	36.4	28.5	6.9
CcW23-19	5169	392145000959373	37.8	30.9	7.9
CcW23-20	5170	392145000937247	38.7	31.3	7.8
CcW23-21	5171	392145000940725	37.5	30.5	7.1
CcW23-22	5172	392145000956877	36.9	30.8	6.8
CcW23-23	5173	392145000942014	37.3	29.3	7.3
CcW23-24	5175	392145000816948	39.0	32.1	8.4
CcW23-25	5176	392145000958452	38.7	31.4	8.6
CcW23-26	5177	392145000941270	37.2	29.7	6.8
CcW23-27	5178	392145000961347	38.6	30.7	7.6
CcW23-28	5179	392145000959227	40.5	33.2	9.6
CcW23-29	5180	392145000822578	44.5	35.5	13.5
CcW23-30	5181	392145000961864	39.5	31.7	8.3
Average			38.6	31.0	8.3

No CITES p

No CITES p

Will be attaching a diving tag.



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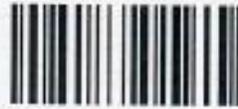
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APT A
992 AWAAWAANOA PLACE
HONOLULU HI 96825

6/16/2025

5 Mini
+ Mock



HI 967 9-27



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1



BILLING: P/P

Reference #1: Rw0138A



XOL 25.06.01

NV49 24.0A 06/2025*



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Customer ID USTANFO	FOB Ship Via	Terms PO Req'd - Net Due Upon Receipt	PO Number 63664885			
Item	Description	Quantity Ordered	Quantity Shipped	Back Ordered	Unit Price	Amount
AM-S387A-00	SPOT-387A, Backmount	26	26	0	1,450.00	37,700.00
AM-A297S-A-00	SPLASH10-297S -00, Rectangle Backmount, Standard depth range, Custom	3	3	0	3,300.00	9,900.00
AZ-USBA-004	Cable Assy USB-A "SPARK" rev.4. Sales price \$25 USD	1	1	0	0.00	0.00
/DUMMY	Non-Functioning Model of Tag AM-S387A-00	2	2	0	200.00	400.00
/CR-GRATIS	Waiver of Charge	2	2	0	-200.00	-400.00
/TAX-HAWAII GET 4.5%	Hawaii General Excise Tax 4.5%					2,160.45
/BANK-SCB DOM	Prices are based upon payment by electronic funds transfer or check. Other payment methods may be assessed a handling fee of up to 4%. Our bank information for Domestic Wire Transfers is: Bank: Sound Community Bank 2400 3rd Ave, Suite 150 Seattle, WA 98121 Tel: 800-458-5585 ABA Number: 325081306 Account Number: 0039157376 Beneficiary Name: Wildlife Computers, Inc. Beneficiary Reference/Message: Invoice or Quote number Please instruct your bank to send "OUR Payment in Full" to ensure no bank fees are deducted from the funds that we receive.	1	1	0	0.00	0.00

Shipping \$410.00
Sales Tax \$0.00

Total Amount USD \$50,170.45

All Prices are in US funds. All sales, use and other taxes, customs and duty charges are the responsibility of the buyer. Wildlife Computers is the Original Equipment Manufacturer (OEM) of the above instruments. Late payments are subject to a late charge of 1% per month.

Limited Warranty and Liability: WC's instruments and devices are fit for their intended purpose when delivered and are not subject to any other express or implied warranty. WC's liability is limited in all circumstances to, at its option, the repair or replacement of instruments until deployed by customer, or until two (2) years after receipt by customer if not deployed, provided that such instruments and devices have not been modified or misused.

Due to the inherent risks and variables involved with marine animal tagging, no warranty or guarantee of performance following deployment can be offered. By accepting delivery of the instruments, customer acknowledges and agrees to this limitation of liability.

DATE FORM FILLED OUT / /

DATE

STRETCH

PNPA COHORT 3 6/2025

PERSON RECORDING DATA:

[]
[]
[]

TAGS:
[]
[]
[]

TAGS:
[]
[]
[]

STRAIGHT CARAPACE - LENGTH:

[] cm

WIDTH:

[] cm

NOTCH LENGTH:

[] cm

CURVED CARAPACE LENGTH:

[] cm

WIDTH:

[] cm

HEAD WIDTH:

[] cm

TAIL LENGTH: T

[] cm

PLASTRON LENGTH:

[] cm

WEIGHT:

[] #

DESCRIPTIVE REMARKS:

An **ap**...

A **hyphen** divides one word into syllables or joins multiple words.

Quotation marks are used around the exact words someone spoke. Use with titles of songs, short stories, chapter titles, short plays, episodes of television programs, magazine articles, and poems.

Italics are used with the titles of books, movies, newspapers, television programs, magazines, and long plays. (In handwriting, use **underlining**)

HNL to KIX Guests
Jun 18 - Jun 27 1 Adult

Modify Search

Miles GB

GEORGE BALAZS

Trip summary

Oahu - Honolulu to Osaka-Kansai

Jun 18 - Jun 27
1 adult

Cost summary

Guests 1 adult

Trip total (USD) **\$719.11**

Cost details

Depart · Wed, Jun 18

HA 449 · 9h 0m · Main Cabin

2:45pm 6:45pm⁺¹ Non-stop
HNL KIX

Arrives on Thu, Jun 19

Change flight

PRICE OF ECONOMY SEAT

Return · Fri, Jun 27

HA 450 · 8h 10m · Main Cabin

8:45pm 9:55am Non-stop
KIX HNL

Change flight

NOTE - I PAID THE DIFFERENCE FOR BUSINESS CLASS SEAT VERSUS ECONOMY SEAT

Compare the best car rental deals

- ✓ No hidden costs
- ✓ Airport and city pickup
- ✓ Add optional extras

Search now

Trip details
GEORGE BAUZS

Guest 1

HNL to KIX • Roundtrip Fare

Taxes and Fees \$451.00
\$268.11

Flight details
and options

Route	Flight #	Seat	Seat Type	Options
HNL-KIX	HA 449	--	--	--
KIX-HNL	HA 450	--	--	--

Subtotal: \$719.11 USD

Grand Total

Your total price

\$719.11 USD



BALAZS/GEORGE HARV

FLIGHT HA449 A 18JUN2025 HNL > KIX

GATE	BOARDING STARTS	ZONE	SEAT
D1	01:55PM	1	1G
BOARDING ENDS 02:20PM			

LOYALTY: HA****970 Pualani Platinum **PLUMERIA LOUNGE**
 CONFIRMATION CODE: FB2TTR
 E-TICKET: 1732313995132
 TEL: 0183 (016769)



NAME
BALAZS/GEORGE HARV

FLIGHT **HA449** A
 FROM **HONOLULU/HNL**
 TO **OSAKA/KIX**

DEPART **02:45 PM**
 ARRIVE **06:45 PM**

ZONE **1** SEAT **1G**
 STBY/UPG

PRIORITY

Jan 20: departs 11:18 -- arrives 12:36
 Travel Time: 1hr18min | transfer to:
 | 第1号線
 | 6/20 11:18発-12:36着
 | 所要時間 1時間18分 乗換回数 1回

Jan 20
 11:18 SHIN-OSAKA
 ▼
 ▼ Hikari 648
 ▼ [Travel Time 57min]
 ▼
 12:25 NAGOYA
 12:32 [Time Between Trains 7min]
 ▼
 ▼ Chuo Line
 ▼ [Travel Time 4min]
 ▼
 12:38 KANAYAMA
 -----END-----

BALAZS/GEORGE
FBZTTR 1 PC
ISSUE DATE GMT 26 JUN 25
KIX
0131HA 167476 **150**

HONOLULU INTL

HNL

HA450 26 JUN 20 25



NAME
BALAZS/GEORGE HARV

FLIGHT **HA450** A
FROM **OSAKA/KIX**
TO **HONOLULU/HNL**

DEPART **08:45PM**
ARRIVE **09:55AM**

ZONE SEAT
1 2G
STBY/UPG

PRIORITY

HAWAIIAN AIRLINES TSA PRECHK BOARDING PASS



BALAZS/GEORGE HARV



FLIGHT **HA450** A 26JUN2025 KIX > HNL

GATE	BOARDING STARTS	ZONE	SEAT
21	07:55PM	1	2G

BOARDING ENDS 08:20PM

LOYALTY: HA****970 Pualani Platinum
CONFIRMATION CODE: FBZTTR
E-TICKET: 1732313995132
SEQ: 0150 (V110210)

LOUNGE KANSAI

Hotel Nikko Kansai Airport - 3 mins walk to the airport (ホテル日航関西空港 (関西空港へ徒歩3分))

Address: Senshu-kukou Kita 1, Izumisano, 549-0001, Japan
 Phone: +81 72 455 1111
 GPS Coordinates: N 034° 26.193, E 135° 14.569

CHECK-IN	CHECK-OUT	ROOMS	NIGHTS
19 JUNE Thursday from 15:00	20 JUNE Friday until 11:00	1	1

PRICE

- 1 room
- 10 % VAT
- 10 % Property service charge

Price

(for 1 guest)

The final price shown is the amount you'll pay to the property.

Your card issuer may charge you a foreign transaction fee.

Payment Info

No prepayment needed. You'll pay during your stay at Hotel Nikko Kansai Airport - 3 mins walk to the airport. Booking.com will only charge your card details are stored securely and won't be shared with the property - bring your preferred payment method during your stay. This property accepts the following forms of payment: American Express, Visa, Mastercard, Diners Club, JCB, NICODES, UIC, UnionPay credit

Currency & Exchange Rate Info

You'll pay Hotel Nikko Kansai Airport - 3 mins walk to the airport in JPY according to the exchange rate on the day of payment. The amount displayed in USD is just an estimate based on today's exchange rate for JPY.

Additional Info

Note that additional supplements (e.g. an extra bed) aren't added in this total. If you cancel outside the free cancellation period, cancellation fees may apply. If you don't show up for this booking without canceling beforehand, no-shows. Make sure you modify or cancel this booking via Booking.com to avoid any. Remember to read the **important info** below - it could contain important

Business Class Single Room (1 Adult) - Non-Smoking

Guest name: Balazs George / for 1 Adults, 1 child (up to 12 years of age)
Meal plan: No meal is included in this room rate.
 Private bathroom • Free toiletries • Air conditioning • Safe • Bidet • Toilet • Bathnub
 Slippers • Refrigerator • Telephone • Satellite channels • Tea/Coffee maker • Heating
 • Alarm clock • Wardrobe or closet • Upper floors accessible by elevator • Clothes
Bed Size(s): 1 twin bed (35-51 inches wide)

Total Amount: \$106
 Credit card company: VISA
 Date: 2025/06/19 19:35:53
 Expiry date: XX/XX
 Member No: 436857XXXXX0036
 Transaction No: 01247
 Authorization No: 066244
 Merchant name: HOTEL NIKKO KTX AC
 Transaction category: 一括
 Payment category: 一括

approx. \$128
 ¥18,300

Room No.



hotel nikko kansai airport

1, Senshukukokita, Izumisano-shi,
 Osaka 549-0001, JAPAN TEL:81-72-455-1111
 Kansai Airports
 Registration No.: T9120001194911

Thank you for your patronage.

RECEIPT

2025/06/19 19:36:38 K03- 12113

MR/MS **BALAZS GEORGE**

TOTAL ¥18,300

(Includes accommodation tax, etc.: ¥200)
 10% ¥18,100 (CONSUMPTION TAX ¥1,645)
 PaymentReceived in credit card.

Details	
Room No	9001
Check-in	2025/06/19
Persons	1
Departure	2025/06/20

Room Charge	¥18,300
Credit Card	¥18,300

★ : reduced tax
 * : eligible for Inuit Tax credit

GEORGE BALAZS

ACCOUNT ACTIVITY

Date of Transaction	Merchant Name or Transaction Description	\$ Amount
PURCHASE		
05/24	RAINBOW PHOTO VIDEO HONOLULU HI	487.54
06/01	WELLESLEY HOTEL RAROTONGA COOK ISLANDS 06/03 NEW ZEALAND DOLLAR 74.00 X 0.601621621 (EXCHG RATE)	44.82
06/01	RESORT TAVAE AITUTAKI 06/03 NEW ZEALAND DOLLAR 218.00 X 0.601605504 (EXCHG RATE)	131.15
06/02	AVATEA AREII LTD AITUTAKI 06/04 NEW ZEALAND DOLLAR 200.00 X 0.604600000 (EXCHG RATE)	120.92
06/04	WZETA WELLINGTON 06/05 NEW ZEALAND DOLLAR 17.00 X 0.605862352 (EXCHG RATE)	10.30
06/07	ATB USA-VT#68 808-548-2001 HI	359.00
06/20	ASUNAL KANAYAMA NAGOYA 06/22 YEN 6,766 X 0.006909547 (EXCHG RATE)	46.75
06/20	BELLMART OSAKA 06/22 YEN 1,465 X 0.006907849 (EXCHG RATE)	10.12
06/19	HTL NIKKOKANSAI AIRP OSAKA 06/21 YEN 18,300 X 0.006891803 (EXCHG RATE)	126.12

2025 Totals Year-to-Date

Total fees charged in 2025	\$0.00
Total interest charged in 2025	\$0.00

Year-to-date totals do not reflect any fee or interest refunds you may have received.

GEORGE BALAZS

NAGOYA
SUBWAY

15:04 → arrives 17:50
Travel Time: 2hr 50min 2 transfer(s)
| 第1経路
| 6/29 15:04発-17:50着
| 所要時間 2時間52分 乗換回数 2回

Jun 25
15:04 KANAYAMA
▼
▼ Tokaido Line
▼ [Travel Time 9min]
▼
5:10 NAGOYA
5:19 [Time Between Trains 9min]
▼
▼ Hikari 645
▼ [Travel Time 58min]
▼
16:27 SHIN-OSAKA
16:58 [Time Between Trains 31min]
▼
▼ Haruka 43
▼ [Travel Time 58min]
▼
17:50 KANSAI AIRPORT

6 PM

2025/06/25 17:55 J

領収書
取引内容:チャージ 金2000円
チャージ(不課税) 2000円
不課税対象 2000円
取扱日時:2025年06月21日 14:58
カード番号:TP807-5211-1160-0748
伝票番号:12629
名古屋港駅
606発行 名古屋市交通局
(高):T1800020000303
(自):T9800020000304

IC CARD
Subway

国土交通省
第6条第2号
により非課税

KANSAI KIX > NAGOYA
TRAIN

3,500 + 3,040
* 2 RT 20,280 ¥
140. US\$



JAPAN RAIL PASS
(ORDINARY 7DAYS)

567
-01

2025.-6.20~2025.-6.26
YEAR-MONTH-DAY (普通車 7日間用)



This pass is non negotiable. Insert it in ticket gates and don't forget to take it.

¥50000(税)

(4-タ) 60398-01
C50

7345/1704-737296

2025.-6.19関西空港線N10発行

NOTE - I
PAID THE
DIFFERENCE
FOR RAIL
PASS 7 DAYS



ANA Crowne Plaza Hotel Grand Court Nagoya by IHG (ANAクラウンプラザホテル名古屋)

Address: Naka-ku Kanayama-Cho 1-1-1, Nagoya, 460-0023, Japan
 中区金山町1-1-1, 名古屋市
 Phone: +81 52 683 4111
 GPS Coordinates: N 035° 8.554, E 136° 53.997

CHECK IN
20
 JUNE
 Friday
 ☉ from 15:00

CHECK-OUT
27
 JUNE
 Friday
 ☉ until 12:00

ROOMS
1 / 7
 NIGHTS

PRICE

- 1 room
- 10 % VAT
- 15 % Property service charge

Price

(for 1 guest)

\$1,055
 \$106
 \$174

approx. **\$1,335**

¥191,050

Additional Info

Note that additional supplements (e.g. an extra bed) aren't added in this total. If you cancel, applicable taxes may still be charged by the property. If you don't show up for this booking, and you don't cancel beforehand, the property is liable to charge you the full reservation amount. Remember to read the **Important info** below – it could contain important details not mentioned here.

Standard Room

Guest name: Balazs George / for 2 Adults, 1 child (up to 11 years of age)

Meal plan:

Breakfast is included in the final price

Private bathroom • City view • Free toiletries • Air conditioning • Safe • Bidet • Toilet • Sofa • Bath tub or shower • Towels • Linens • Socket near the bed • Desk • Soundproof • Suit press • TV • Slippers • Refrigerator • Telephone • Flat-screen TV • Hair dryer • Minibar • Wake-up service/Alarm clock • Carpeted • Electric kettle • Wake-up service • Alarm clock • Wardrobe or closet • Upper floors accessible by elevator • Clothes rack • Toilet paper • Single-room AC for guest accommodation • Air purifiers • Hand sanitizer

Bed Size(s): 1 full bed (52-59 inches wide) Or 2 twin beds (35-51 inches wide)

Cancellation policy:

You can cancel for free until 4:00 PM on the day before arrival. If you cancel after 4:00 PM on the day before your arrival, the cancellation fee will be the cost of the first night. If you don't show up, the no-show fee will be the same as the cancellation fee.

Refund schedule:

You'll get a full refund if you cancel before 3:59 PM on June 19, 2025. If you cancel before 4:00 PM on June 19, 2025, you'll get a \$1,145.03 refund.



Important Information

Room type and smoking preference are subject to availability and are not guaranteed.

The full amount of the reservation must be paid at check-in.

Child breakfast rates are applicable for children between ages 4 to 11 years old. Adult breakfast rates are applicable to children 12 years and older. Please contact the property for more details. Guests are required to show a photo ID and credit card upon check-in. Please note that all Special Requests are subject to availability and additional charges may apply.



Hotel Policies

Guest parking

- Public parking is possible on site (reservation is not needed) and costs \$2,500 per day.
- Wired internet is available in the rooms and is free of charge.



Special Requests

Approximate time of arrival between 02:00 and 03:00



**ANA
CROWNE PLAZA®**

AN IHG® HOTEL

HOTEL GRAND COURT NAGOYA

1,330.15 PAID TO BOOKING.COM
6/17/2025

2025/6/26

LATE CHECK OUT
6/26/2025

Certification of Registration of Stay

Name: Mr. Balazs George

Number of People 1 persons

Arrival Date: 2025/6/20 Fri.

Departure Date: 2025/6/27 Fri.

ANA CROWNE PLAZA HOTEL GRANDCOURT NAGOYA

1-1-1 Kanayama-cho, Naka-ku, Nagoya

460-0023, JAPAN

TEL: 81-(0) 52-683-4111

FAX: 81-(0) 52-683-4121



Reception

Bhandari Sushila



ANA Crowne Plaza Hotel Grand Court Nagoya

T +81-52-683-4111 F +81-52-683-4121 info@anacrowneplaza-nagoya.jp anacrowneplaza-nagoya.jp
1-1-1 kanayama-cho, Naka-ku, Nagoya, 460-0023, Japan

ANAクラウンプラザホテルグランコート名古屋

T 052-683-4111 F 052-683-4121 info@anacrowneplaza-nagoya.jp anacrowneplaza-nagoya.jp

〒460-0023 愛知県名古屋市中区金山町一丁目1番1号

IMPORTANT REMINDER: VERIFY AND UPDATE YOUR ACCOUNT INFORMATION NOW.

Periodically, as part of our Know Your Customer (KYC) program - a requirement of the USA PATRIOT Act - we'll ask you to verify and update the personal information on your account.

This includes your name, address, authorized users (if any) and your country of citizenship.

Please take a few minutes to verify your information now by logging in to your account online at HawaiianBOHcard.com and clicking "Review and update your profile", or call us using the number on the back of your card. If you have recently verified your data online or through our customer care center, please disregard this reminder.

Transactions

Transaction Date	Posting Date	Description	HawaiianMiles	Amount
Payments				
May 29	May 29	PAYMENT RECVD CHECKFREE	N/A	-\$149.00
Total payments for this period			N/A	-\$149.00
Purchase Activity for GEORGE BALAZS card ending 8440				
May 31	Jun 01	HAWAIIAN 1732313687144 HONOLULU HI BALAZS/GEORGE 06/10/2025 HNL ITO HNL Agency: HNLHA08DS #1732313687144	402	\$133.99
Jun 05	Jun 06	HAWAIIAN 1732313778151 HONOLULU HI BALAZS/GEORGE 06/18/2025 HNL KIX HNL Agency: HNLHA08DS #1732313778151	5,511	\$1,837.11
Jun 17	Jun 17	Booking.com Hotel Amsterdam NLD 191,050 JPY converted at 143.63041% <i>ANACROWNE PLAZA GRAND COURT NAGOYA</i>	1,330	\$1,330.15
Jun 18	Jun 19	HAWAIIAN 1732313995132 HONOLULU HI BALAZS/GEORGE 06/18/2025 HNL KIX HNL Agency: HNLHA01WB #1732313995132	1,893	\$630.80
Total purchase activity for this period			9,136	\$3,932.05

▶ To see activity after this statement period, visit HawaiianBOHcard.com

Fees and Interest

Transaction Date	Posting Date	Description	Amount
Fees Charged			
No fees charged for this period			\$0.00
Total fees for this period			\$0.00
Interest Charged			
No interest charged for this period			\$0.00
Total interest for this period			\$0.00

2025 Year-to-Date Totals

Total fees charged in 2025	\$0.00
Total interest charged in 2025	\$0.00

This Year-to-date summary reflects the Fees and Interest charged on billing statements with closing dates in 2025, and does not reflect any subsequent fee and/or interest adjustments.

X-Large
X-Large
X-Large
X-Large
X-Large
X-Large
X-Large
X-Large
X-Large

