SKYLEADER GPS SLEDOVÁNÍ POŠTOVNÍCH HOLUBŮ

Outline

- Náš produkt
- Zpětná vazba od zákazníků
- Náš cíl pro trh CZ, SK a PL
- Model spolupráce

Čtečka GPS

Nabíječka GPS čipů

Zvykací GPS čipy

GPS čipy

Specifikace výrobku

GPS SPECIFICATIONS

Dimensions	-	20 x 20 x 14mm
Weight	-	Net Weight : 3g, Total Weight : 4g with battery
Battery Type	-	Rechargeable Lithium Battery 3.7V 45mAh
Battery Life	-	12 hours (Get GPS every 3 min)
Voltage	-	+2.9 to +4.2v
Satellite System	-	GPS + GLONASS Dual - core System

Naši uživatelé ve světě

Tréning holubů na základě vyhodnocení trasy

Date	GPS No.	Ring No.	Fly Time	Distance	Speed(m/min)	Remark
08/18	22900241	783(M)	15 : 17-16 : 38	9.745	120	Okolo holubníku
	22900242	780(M)	15 : 18-16 : 39	18.97	290	
	22900243	771(F)	15 : 18-16 : 40	9.118	116	
	22900246	768(M)	15 : 27-15 : 44	3.613	208	
	22900253	776(M)	15 : 30-16 : 42	5.698	121	
	22900256	514(M)	15 : 20-16 : 44	10.135	147	
	22900257	774(M)	15 : 27-16 : 44	6.404	83	
	22900240	766(M)	15 : 22-16 : 37	83.274	1100	Let z jiného místa a návrat do holubníku
	22900244	516(F)	15 : 23-16 : 40	83.555	1091	
	22900250	769(M)	15 : 24-16 : 42	83.857	1082	
	22900252	773(M)	15 : 21-16 : 42	86.897	1077	
	22900255	778(F)	15 : 26-16 : 38	79.738	1096	
	22900267	775(F)	15 : 22-16 : 44	89.541	1081	

Stejný čas startu

Různá letová vzdálenost

Záznamy z tréningu

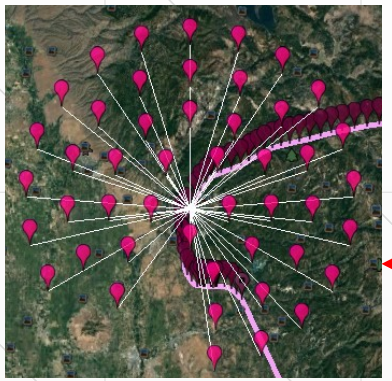
Tréning simulace závodu

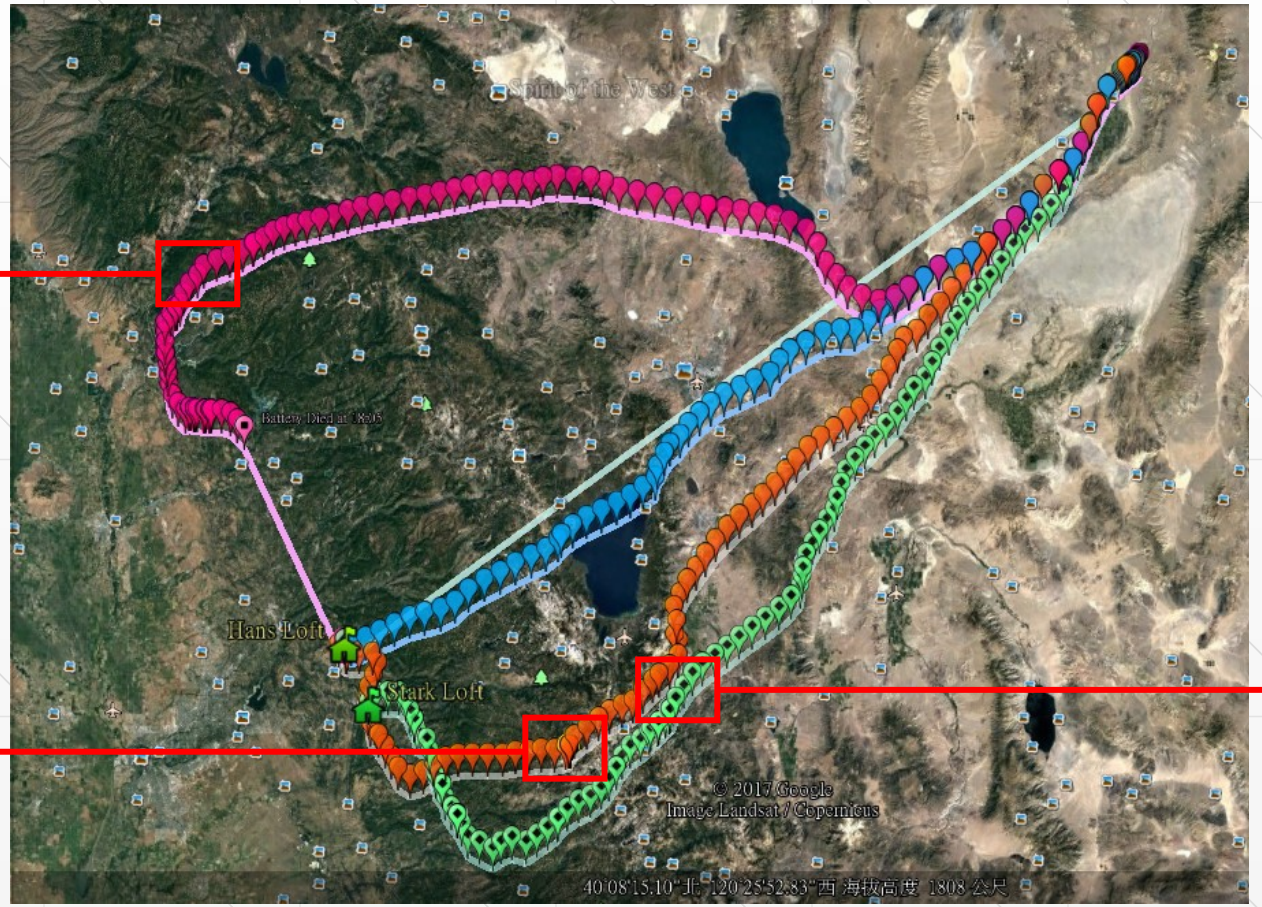
Podpora každého typu závodu (krátké, střední, dlouhé tratě)

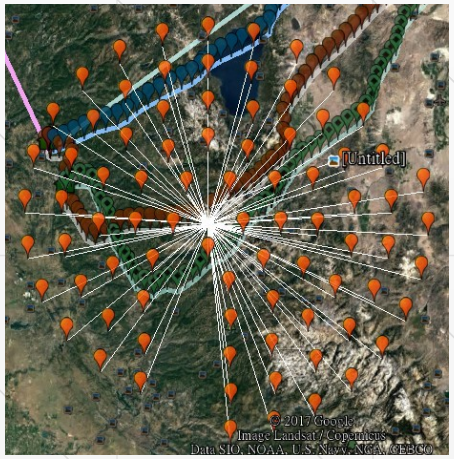
Celková doba	Nastavení GPS	Poznámka	Typ trasy
2.5HR	2 sec /P	1 GPS záznam za 2 sec, zaznamenává max. 2,5h	Okolo holubníku
7HR	35 sec /P	1 GPS záznam za 35 sec, zaznamenává 7h	Krátká trať
10HR	75 sec /P	1 GPS záznam za 75 sec, zaznamenává 10h	Střední trať
12HR	180 sec/P	1 GPS záznam za 180 sec, zaznamenává 12h	Dlouhá trať
37HR	375 sec/P	1 GPS záznam za 375 sec, zaznamenává 37h	Maraton

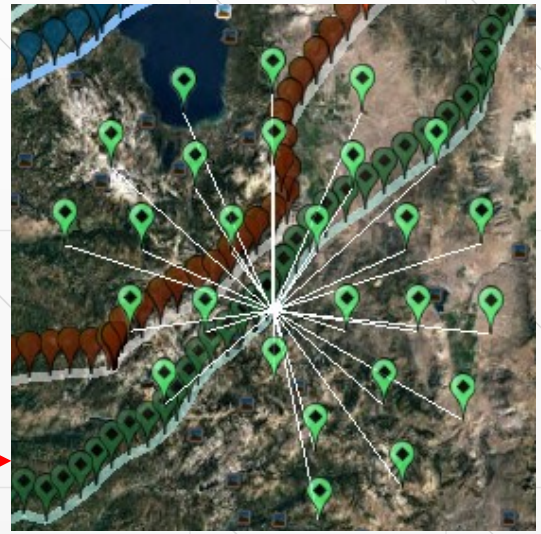
- User Feedback-US
- User Feedback-JP
- User Feedback-EU
- User Feedback-Hawaii

User Feedback-US









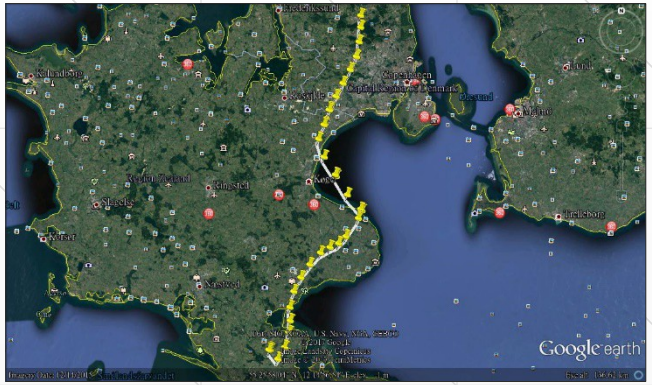
- Blue: The route was directly from start to end, non-stop
- Green: from 09:34:23-11:18:53, took a rest several times, the whole route was little longer.
- Orange: from 09:46:22-14:05:58, route was around the lake and distance was longer. The pigeon took a rest few times in the whole process.
- Pink: from 10:31:18-12:51:36, the route distance was the longest.

User Feedback-JP

- Conclusion:
  According to the GPS data, the speed of pigeon is up to **1,600 m/ min**
  The speed peak was at the beginning of the flight, which inferred that the pigeon was attacked by the eagle.

User Feedback-EU

Vordingborg, Denmark

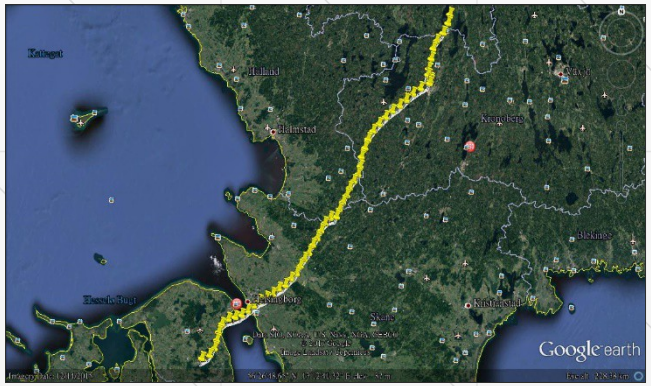


Bremen, Germany

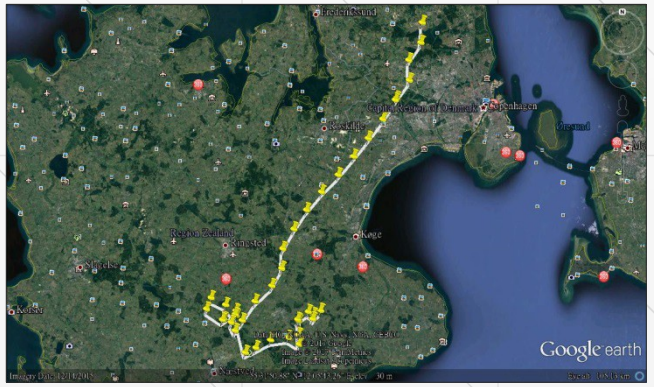
Dresden, Germany

Gotha, Germany

Värnamo kommun

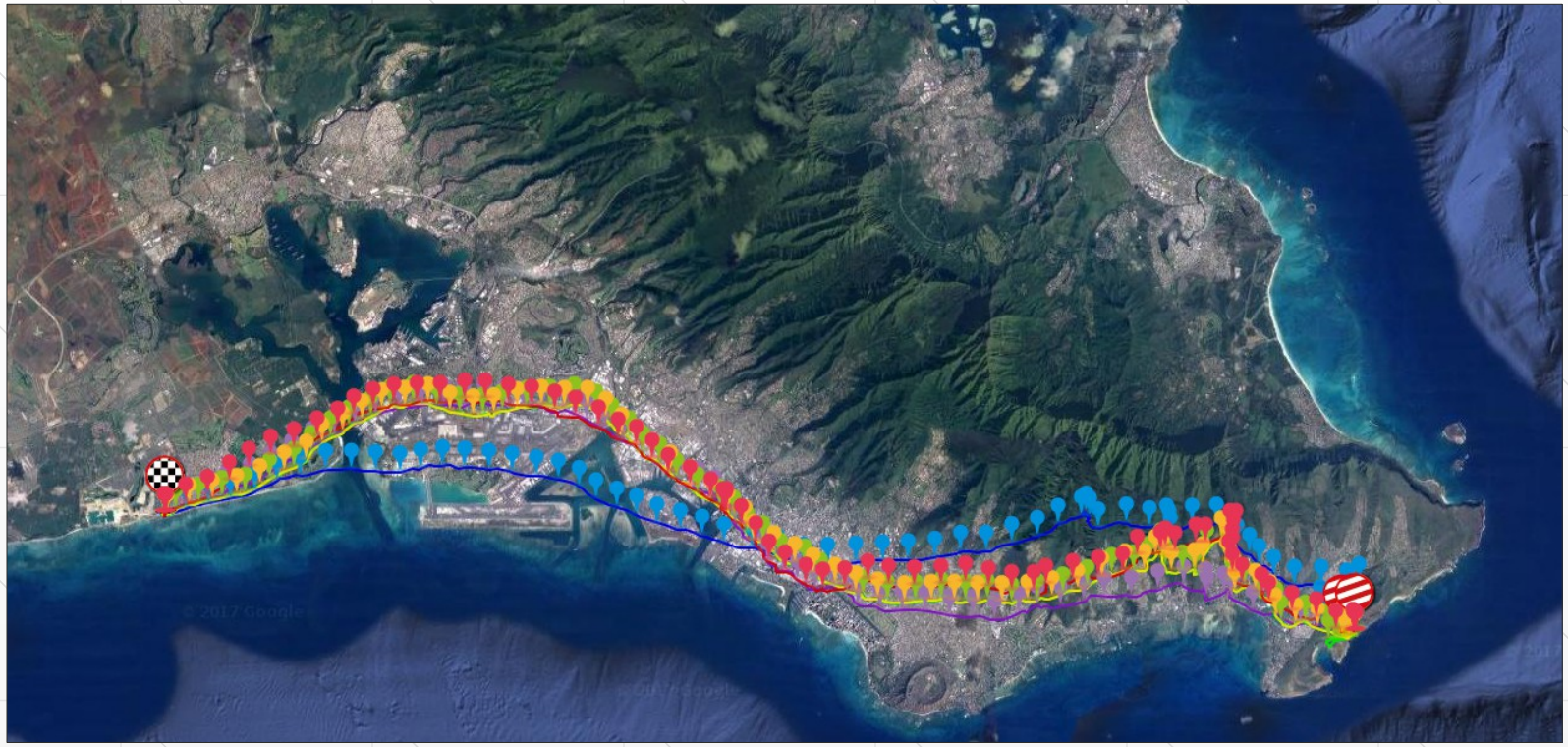


Haslev, Denmark



- Collect GPS data and analyze the data for racing pigeons (flight training in EU)

User Feedback-Hawaii



- According to the tests in the Southeast of Oahu, the user found that the flight route of the pigeons was different from their imagination. Some pigeons chose to make a detour to avoid flying cross the lake. Some pigeons would fly with other pigeons, even hovered to wait for the others. Those pigeons always returned to the loft together. User can check these routes to analyze the habit of pigeons through Skyleader GPS tracker.

3rd Party Report for Pigeon Track

Racing pigeon research by Skyleader Tracker

Report-1 ： Who is the fastest racing pigeon of all?

Lizanne Jeninga
Link ： http://edepot.wur.nl/441973

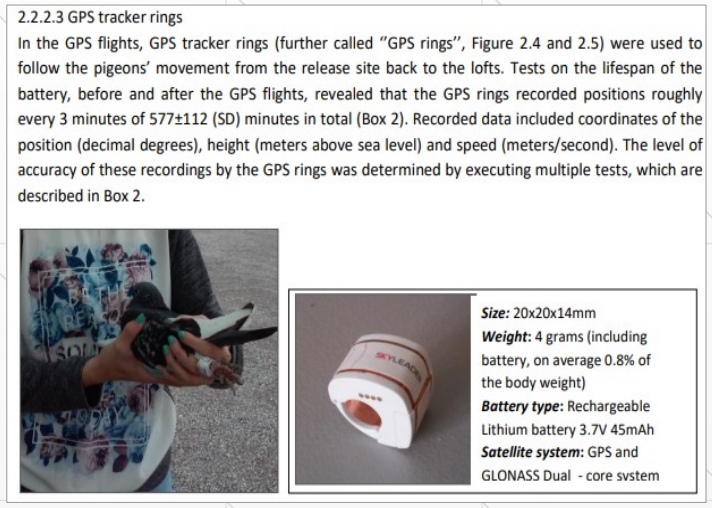
Who is the fastest racing pigeon of all?

A preliminary study on the influence of the physical condition of racing pigeons on their flight performance in a varying environment.

Lizanne Jeninga
14-2-2018

NPO

WAGENINGEN UNIVERSITY & RESEARCH



2.2.2.3 GPS tracker rings

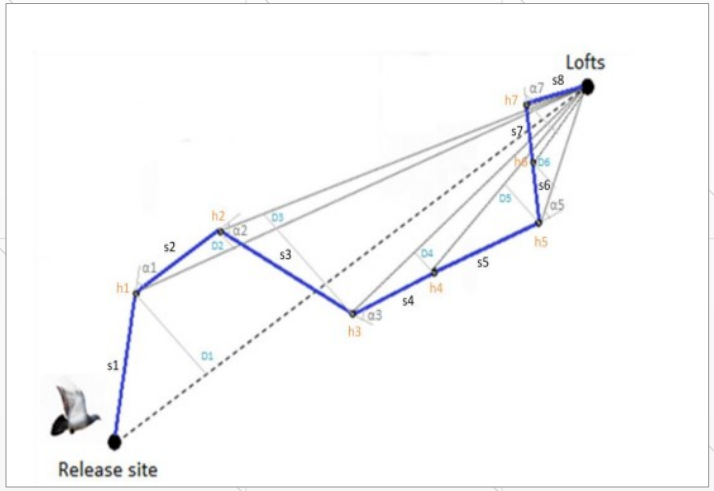
In the GPS flights, GPS tracker rings (further called ''GPS rings'', Figure 2.4 and 2.5) were used to follow the pigeons' movement from the release site back to the lofts. Tests on the lifespan of the battery, before and after the GPS flights, revealed that the GPS rings recorded positions roughly every 3 minutes of 577±112 (SD) minutes in total (Box 2). Recorded data included coordinates of the position (decimal degrees), height (meters above sea level) and speed (meters/second). The level of accuracy of these recordings by the GPS rings was determined by executing multiple tests, which are described in Box 2.

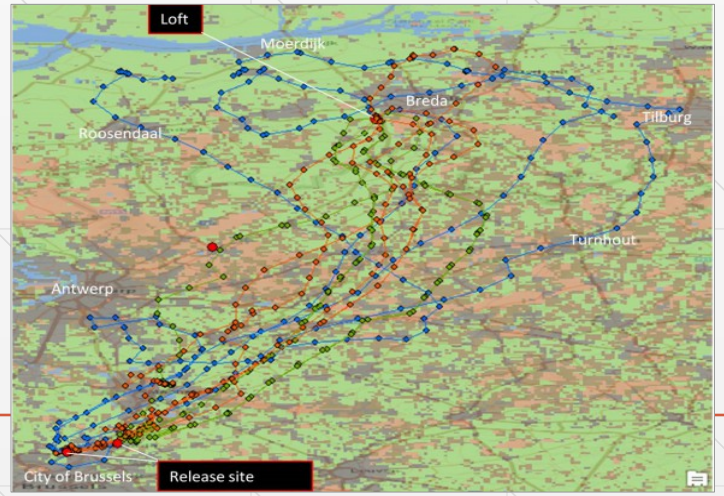
Size: 20x20x14mm
Weight: 4 grams (including battery, on average 0.8% of the body weight)
Battery type: Rechargeable Lithium battery 3.7V 45mAh
Satellite system: GPS and GLONASS Dual - core system

Box 1. Behavioural observations

Behavioural observations were executed to determine the frequency of occurrence of ring-related behaviour, like pecking towards the ring, and the development of the behaviour over time.

Method: The behavioural observations were executed in October in the loft (loft situation described in paragraph 2.1). In total, 21 pigeons were observed, of which 7 pigeons without a ring, 7 pigeons with a dummy ring and 7 pigeons with a dummy ring with rubber lining (Figure underneath). The rubber lining was suggested as a measure to limit the movement of the ring on the leg and thereby the discomfort for the pigeon, and was included to test its effectiveness as mitigating measure. During an observation, a pigeons' behavioural state (for example sitting), as well as the events (for example pecking towards the ring) were recorded for three minutes per pigeon. By means of an ethogram and protocol (Appendix 7), the type of behaviours displayed and the duration were noted. The observations were repeated three times, on day 1, day 4 and day 8. Each repetition consisted of 2 or 3 observational rounds, which all took place from 13:00 till 17:00.





Report-2 ： GPS in pigeon race 2018 / 2017

Ove Fuglsang Jensen
Link ： http://brevduenord.dk/onewebmedia/GPS%20in%20pigeon%20racing%20Denmark%202017%20-%20rettet.pdf