



JARVIS ISLAND DXPEDITION N5J

August 2024
> 100K QSOs

CQ zone: 31
IOTA: OC-081
ITU zone: 61
POTA: UM-0005

<https://www.jarvisisland2024.com>



Permit #: 12543-24009

Palmyra Atoll NWR & Jarvis Island NWR
Research & Monitoring Activity
Special Use Permit
(For Official Use Only)

Permit Term:

From: 7/31/2024 To: 9/30/2024

Permittee Name/Business: Don Greenbaum and George Wallner/The Dateline DX Association

Permit Activity Type: [Permit Activity Type]

Permit Activity Type (Other/Not Listed): Amateur Radio Operation

Permit Status: Approved

If approved, provide special conditions (if any) in the text box below.

If denied, provide justification below.

The permit is approved for Amateur Radio Operation for Don Greenbaum and George Wallner/The Dateline DX Association and their Team on land and in the waters at Jarvis Island National Wildlife Refuge.

Payment for this activity (as per the Jarvis Island NWR Amateur Radio Operations Compatibility Determination) in the amount of \$27,100, plus travel costs of 1 USFWS Monitor will be made to the USFWS or a conservation organization that will benefit the Pacific Remote Islands Marine National Monument.

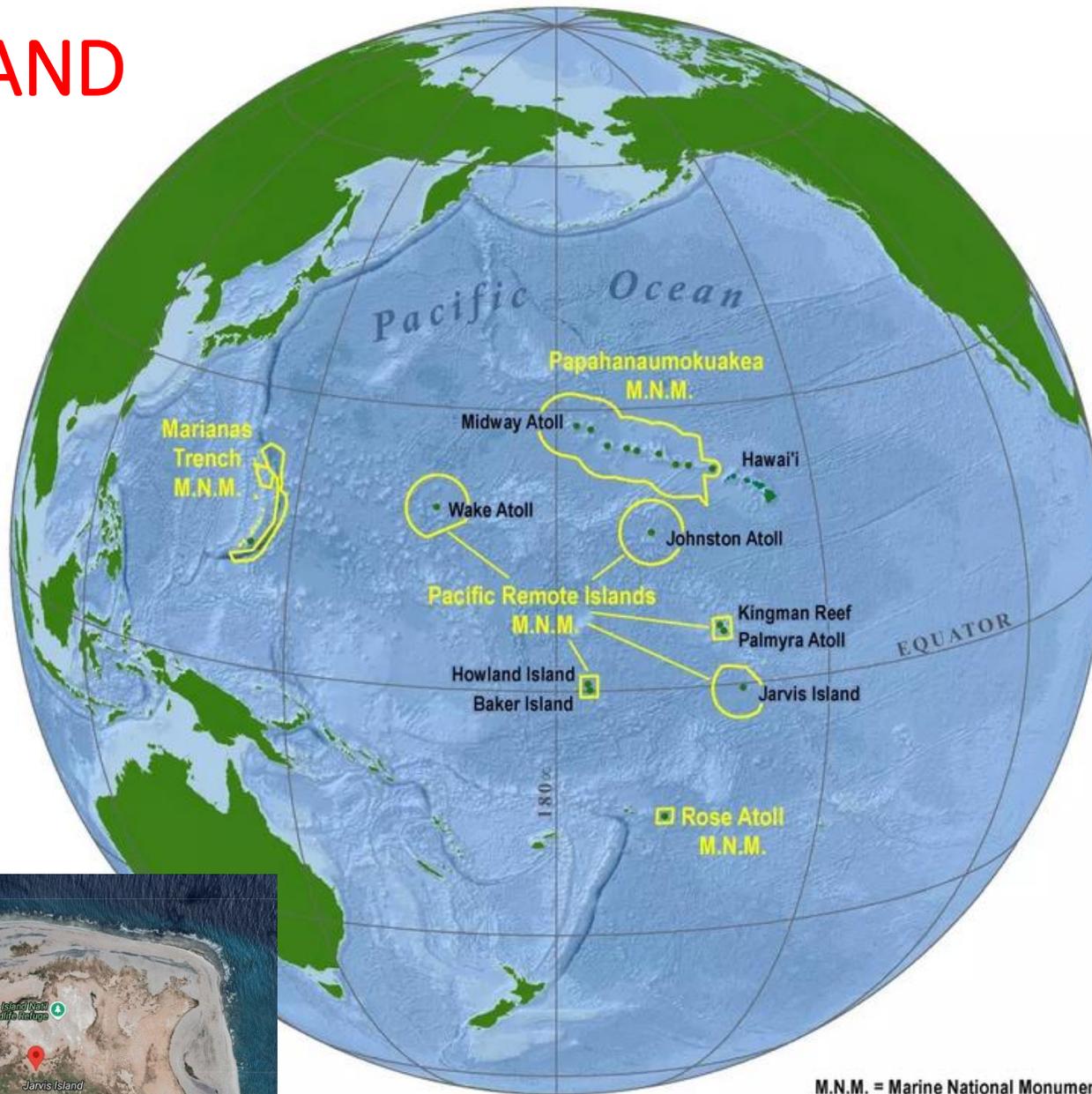
Note: Non-commercial fishing permit to fish within the Jarvis Island Unit of the Pacific Remote Islands Marine National Monument must be obtained through NOAA.

The special conditions of the permit must be followed and are listed below.

There are **seven**
Pacific Remote Islands National
Monuments:

1. Jarvis Island
2. Howland Island
3. Baker Island
4. Johnston Island
5. Wake Island
6. Palmyra Atoll
7. Kingman Island

THE ISLAND



- Uninhabited coral island
- Max elevation about 7m (20 feet)
- Size: 1.7 sq mile
- South Pacific Ocean
- 20miles S of equator
- Average temp 40C
- National Wildlife Refuge
- Discovered in 1821 by Captain Brown (UK)
- US Guano Act 1856 -> guano mining
- 1935: 7 years Colonization Project



M.N.M. = Marine National Monument





THE ISLAND

Largest Sooty Tern bird population in the world

THE ISLAND



Official Sign



5m Day Beacon





THE ISLAND TEAM

1. George AA7JV (co-leader)
2. Don N1DG (co-leader)
3. Tommy HA7RY
4. Mike KN4EEI
5. Adrian KO8SCA

Made 25% of total QSOs
 Made 100% of Phone QSOs



THE CW REMOTE TEAM

Gerry Hull, W1VE

José Nunes, CT1BOH

Filipe Lopes, CT1ILT

Chris Hulbert, KL9A

Dan Craig, N6MJ

Jon Kimball, KL2A

Stan Stockton,
K5GO/ZF9CW

Mark Haynes, M0DXR

Stephen Bloom, KL7SB

Tack Kumagai, JE1CKA

Ken Tanuma, JN1THL

Mats Strandberg,
SM6LRR

Oli Seizelet, F6AKK

Emir-Brako Memic,
E77DX

Roberto Ramirez, CE3CT

Todd Bendtsen, VE5MX

Jacky Calvo, ZL3CW

Attila Holop, HA2NA

Champ C.

Muangamphun, E21EIC

Lee Finkel, KY7M

John Crovelli, W2GD

Axel Schernikau,
DL6KVA

David A. Jaffe, WD6T

The Remote Operators The SuperFox FT8 team

Ned Stearns, AA7A

Tom Berson, ND2T

Kevin Rowett, K6TD

John Miller, K6MM

Glenn Johnson, W0GJ

Ken Tanuma, JN1THL

Hal Turley, W8HC

Gregg Marco, W6IZT

Don Mikes, AA1V

Lee Moyle, VK3GK

Jose Ribeiro DE Sa,
CT1EEB

Atilano Oms, PY5EG

Pete Chamalian, W1RM

Nathan Wood, K4NHW

Mark Aaker, K6UFO

Florian van der Wagt,
PB8DX

Angus Alexander,
KJ7KOJ

Robin Alexander,
W7YED

Ewan Alexander,
KK7EXT

"OKU" Seiji Okumura,
JK1KSB

Miriam Briggs, N1QV

Mathew Kennedy,
K6EME

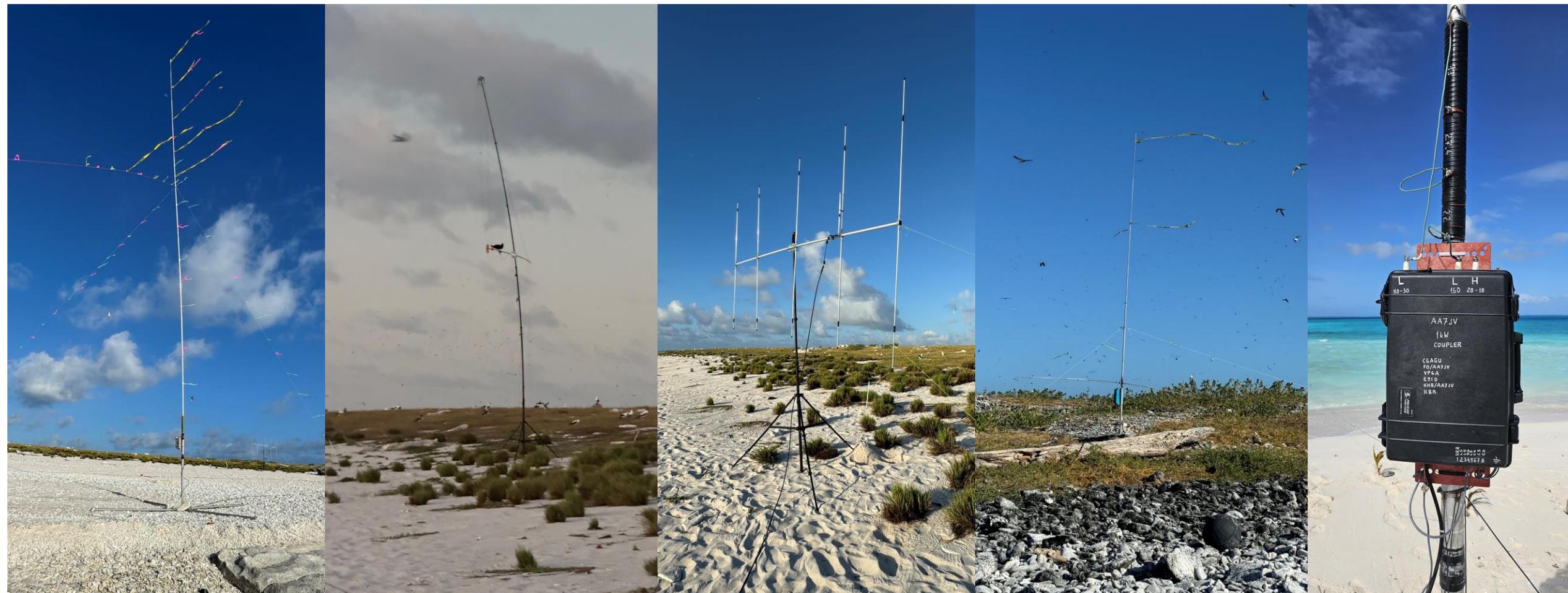
Tommy Horozakis, VK2IR

Dennis G Egan, W1UE

USFW SCIENTISTS

<https://www.fws.gov/refuge/jarvis-island>



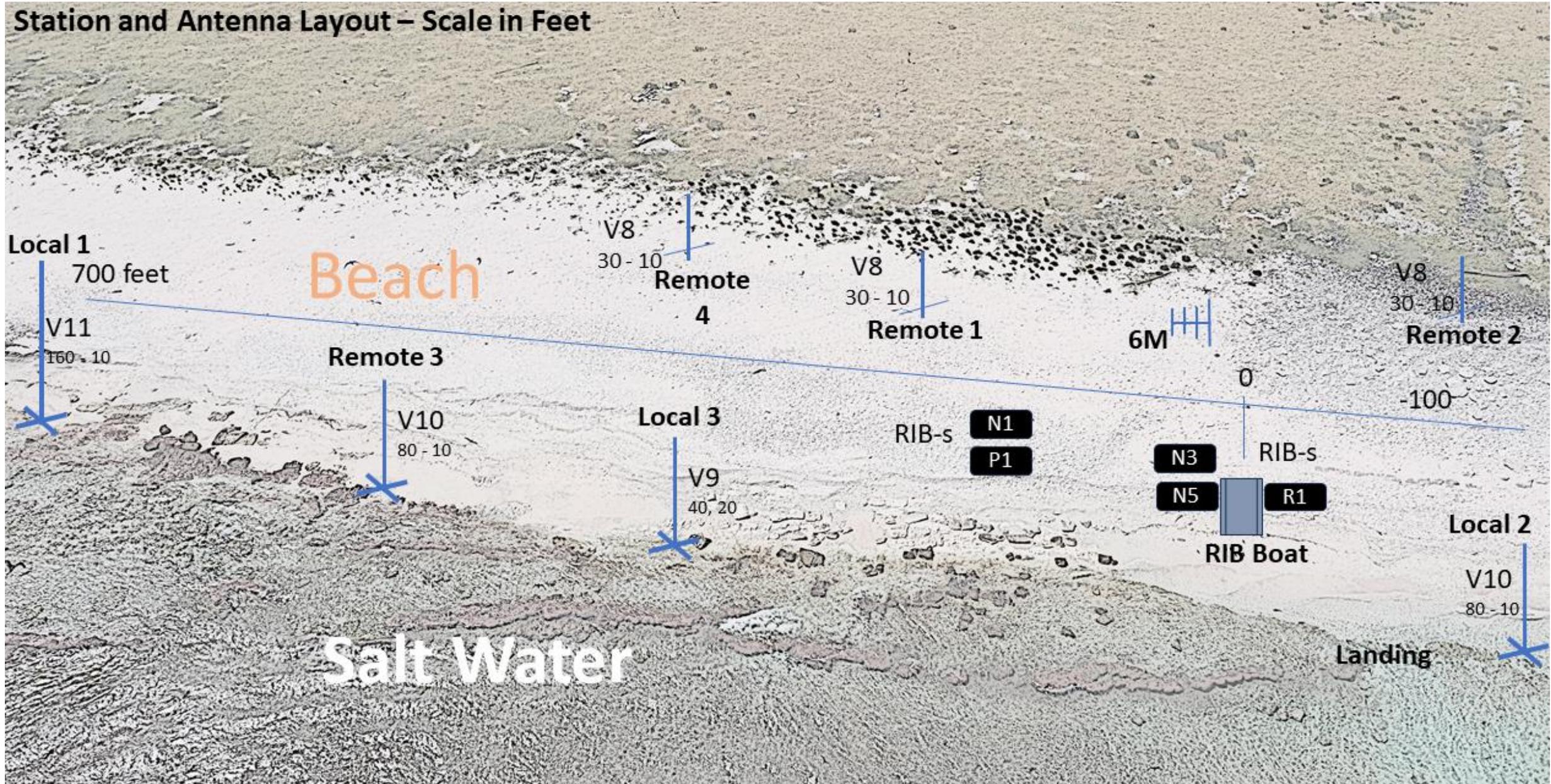


THE ANTENNAS

45 feet -> 35 feet -> 25 feet

ANTENNAS

Station and Antenna Layout – Scale in Feet



THE BOAT: "MAGNET"

- Our home for a journey of almost 2000 Km
- 40m catamaran
- No anchoring allowed at Jarvis Island!!



- 5 x OPERATORS
- 4 X CREW
- 1 X CAPTAIN
- 3 X USFW SCIENTISTS







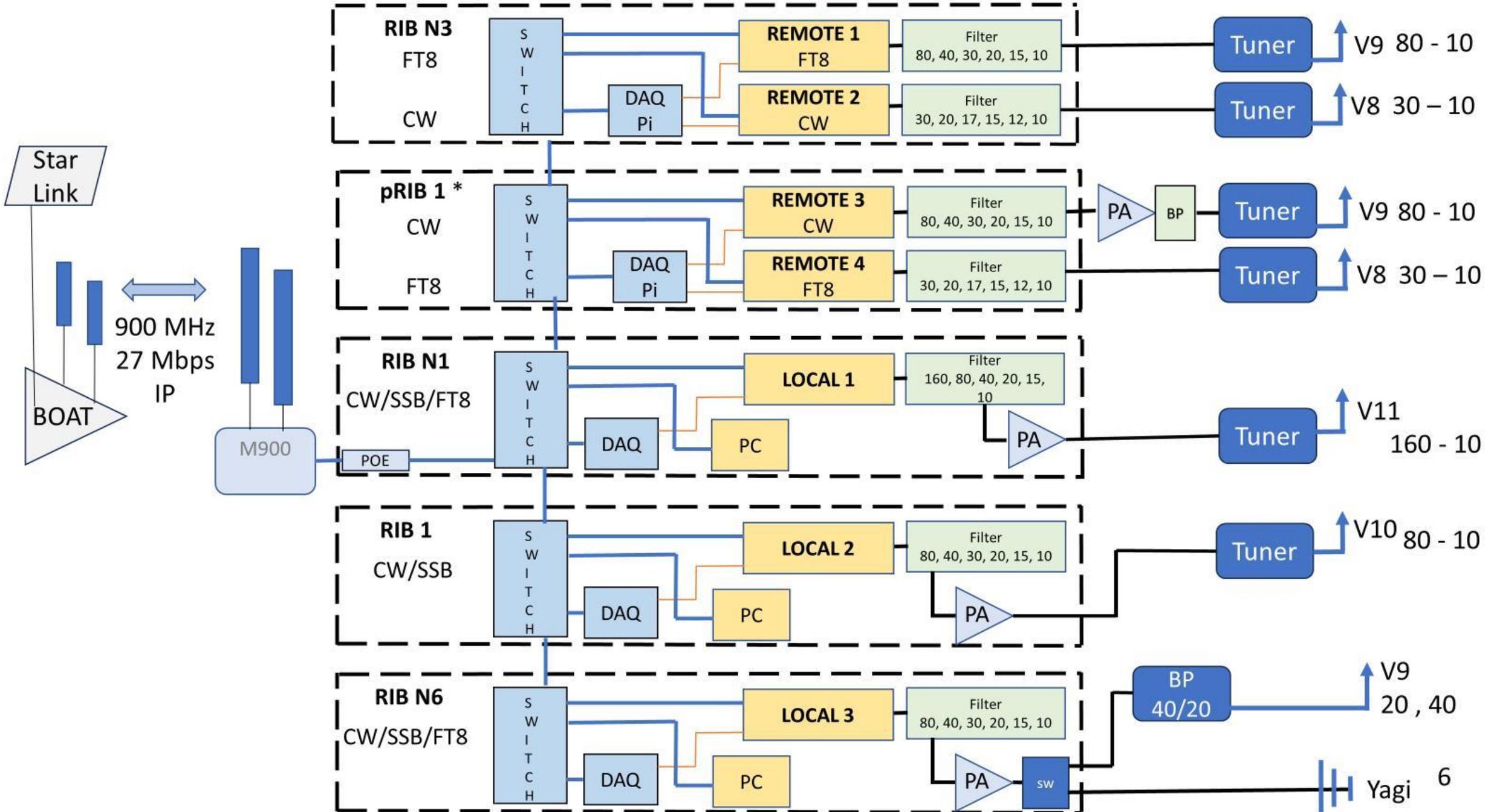
THE FOOD



THE LANDING CRAFT

4-hour landing to first QSO
900 MHz 34MBps boat to shore link
pontoon boat with wheels
3 x Honda 2Kw gas generators





SuperFox WSJT-X V2.70-rc6

N5J used **SuperFox** feature for the first time ever!

Consistently a rate of 200 QSOs/hour

What is **SuperFox** mode in WSJT-X?

SuperFox mode allows an expedition to make digital QSOs at rates higher than possible with previous versions of WSJT-X

9 Streams instead of 5 Streams

The **SuperFox** transmits a full power constant-envelope waveform 1512 Hz wide.

A SuperHound will experience the same received signal strength regardless of the number of Hounds being contacted by the **SuperFox**.

In addition, the **SuperFox** transmits a digital signature of authenticity.

Is it really them? <https://www.9dx.cc/>

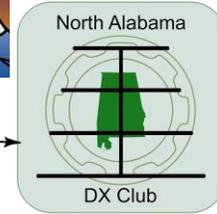
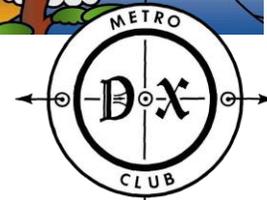
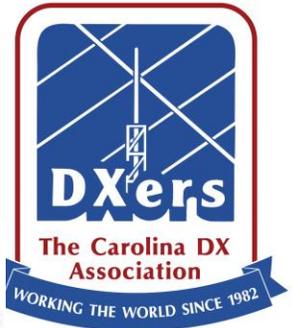
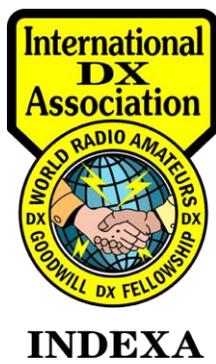
Band	CW	FT8	SSB	Total	Total %
160	1548	506	0	2054	1.9%
80	2057	1253	0	3310	3.1%
60	0	474	0	474	0.4%
40	4380	4032	152	8564	8.0%
30	3708	5707	0	9415	8.8%
20	6207	7692	5678	19577	18.3%
17	7280	9815	1883	18978	17.8%
15	9699	6904	3881	20484	19.2%
12	2886	8055	845	11786	11.0%
10	5761	5349	1112	12222	11.4%
6	0	35	1	36	0.0%
Totals	43526	49822	13552	106900	

Continent	Total QSOs	%
Africa	327	0.3
Antarctica	2	0.0
Asia	36211	33.9
Europe	25907	24.2
North America	38680	36.2
Oceania	4010	3.8
South America	1763	1.6
Totals	106900	100.0

CLUBLOG DXPEDITION STATISTICS

5.	KH7K	KURE ISLAND
6.	KH3	JOHNSTON ISLAND
7.	3Y/P	PETER 1 ISLAND
8.	FT5/X	KERGUELEN ISLAND
9.	YV0	AVES ISLAND
10.	3Y/B	BOUVET ISLAND
11.	ZS8	PRINCE EDWARD & MARION ISLANDS
12.	KH4	MIDWAY ISLAND
13.	VK0M	MACQUARIE ISLAND
14.	PY0S	SAINT PETER AND PAUL ROCKS
15.	KP5	DESECHEO ISLAND
16.	VP0S	SOUTH SANDWICH ISLANDS
17.	KH5	PALMYRA & JARVIS ISLANDS
18.	ZL9	NEW ZEALAND SUBANTARCTIC ISLANDS
19.	FK/C	CHESTERFIELD ISLANDS
20.	VK0H	HEARD ISLAND
21.	FT/T	TROMELIN ISLAND
22.	EZ	TURKMENISTAN
23.	YK	SYRIA
24.	ZL8	KERMADEC ISLAND

- AD1S/KH5 in November 1983 which made 16,800 QSOs
- AH3C/KH5J in April 1990 which made 55,000 QSOs
- 17th most wanted DXCC entity in the world.
- It is 9 in Europe (Bouvet is 10)



THANK YOU!!!!

Budget of \$485,000

