TOP BAND DINNER

160 CHALLENGE



By JERRY WB9Z

Created by Glenn Johnson W0GJ



Bouvet 2018



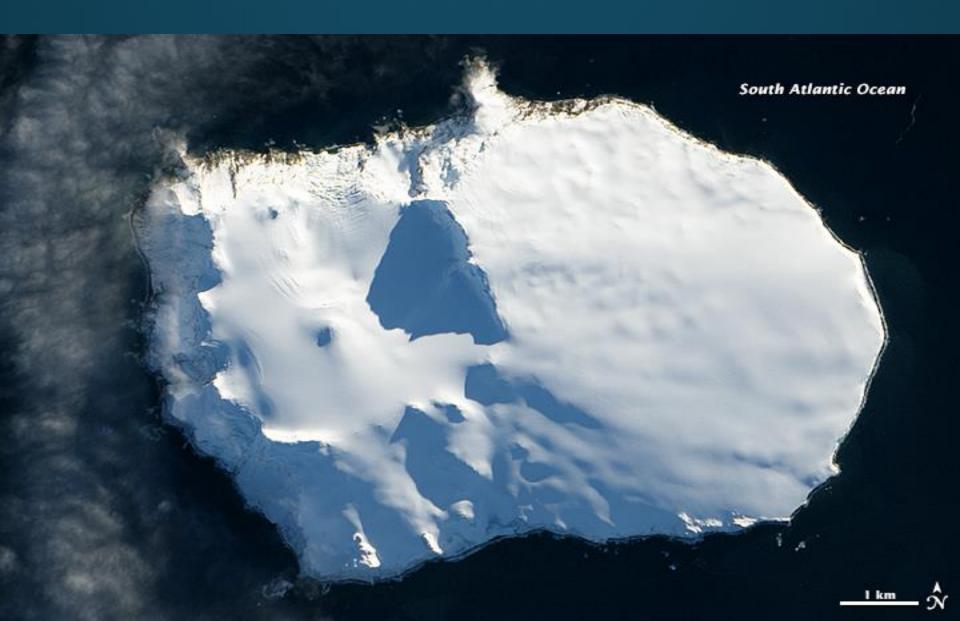
Rank	Prefix	Entity Name
1.	P5	DPRK (NORTH KOREA)
2.	3Y/B	BOUVET ISLAND
3.	FT5/W	CROZET ISLAND
4.	KH1	BAKER HOWLAND ISLANDS
5.	BS7H	SCARBOROUGH REEF
6.	CE0X	SAN FELIX ISLANDS
7.	BV9P	PRATAS ISLAND
8.	KH3	JOHNSTON ISLAND
9.	VK0M	MACQUARIE ISLAND
10.	FT5/X	KERGUELEN ISLAND



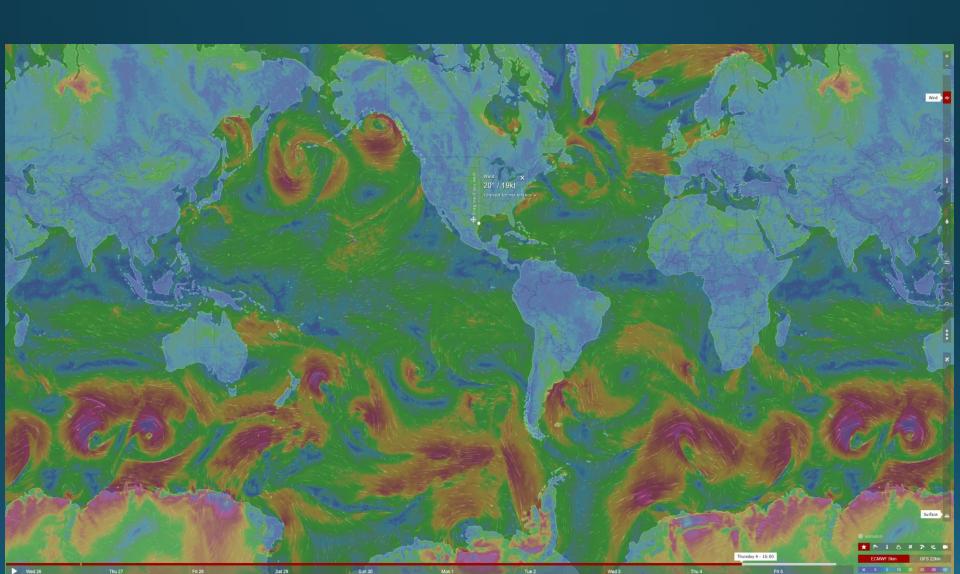
A very foreboding place...



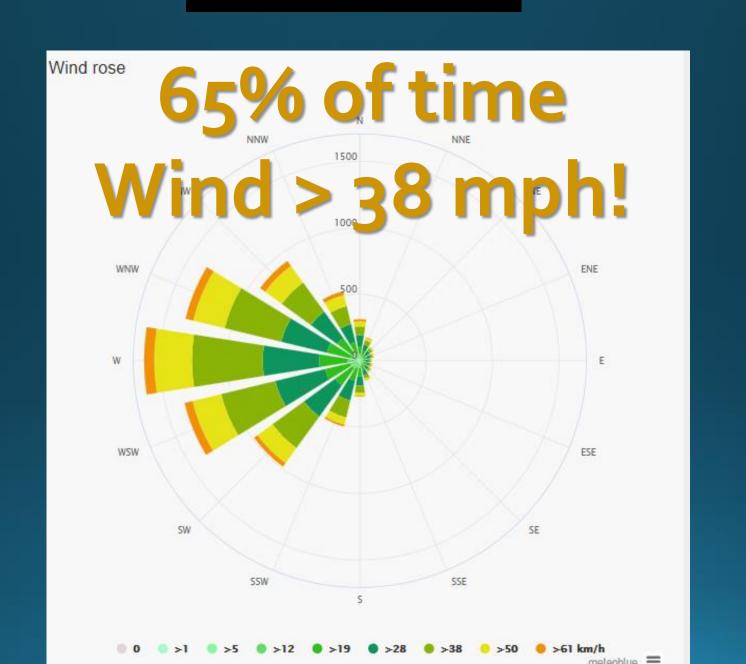
95+% covered by glacier



Weather: 300 storms/year!



Annual Wind Rose







Mountaineering Expedition Landing – on a CALM day!





Helicopter ---our lifeline



m/v Betanzos (home port-Punta Arenas, Chile)

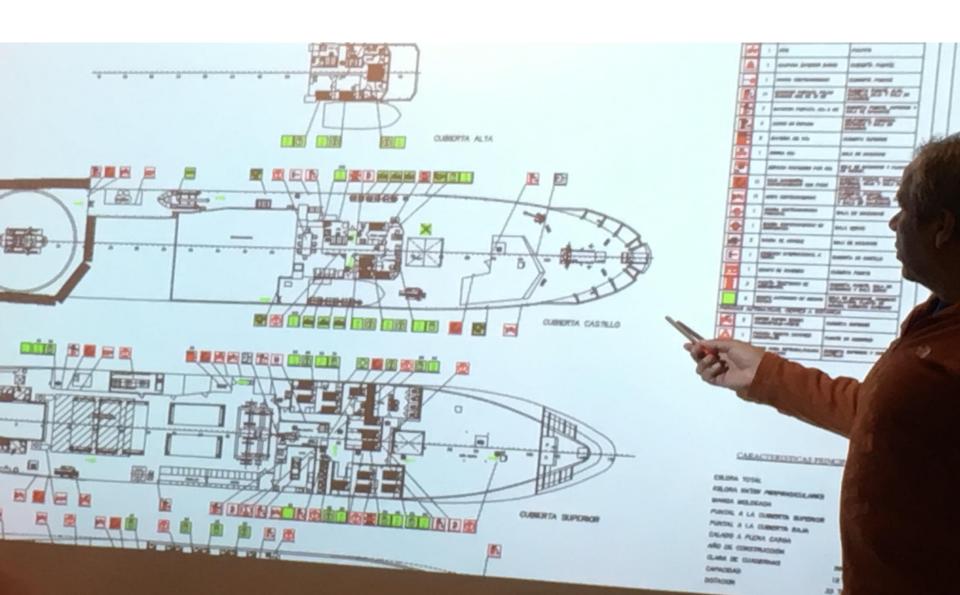


Depart USA on January 9th

Arrive in Puenta Arenas January 10th

- Team member investment
 - Team share \$18,500
 - Hotel \$500
 - Travel \$2500 \$4000
 - Clothing and baggage \$2000 \$2500

Each person had at least \$25,000 and as much as \$32,000









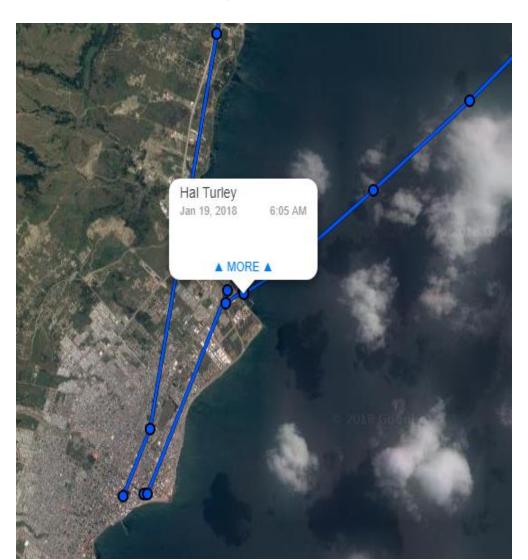


Final loading

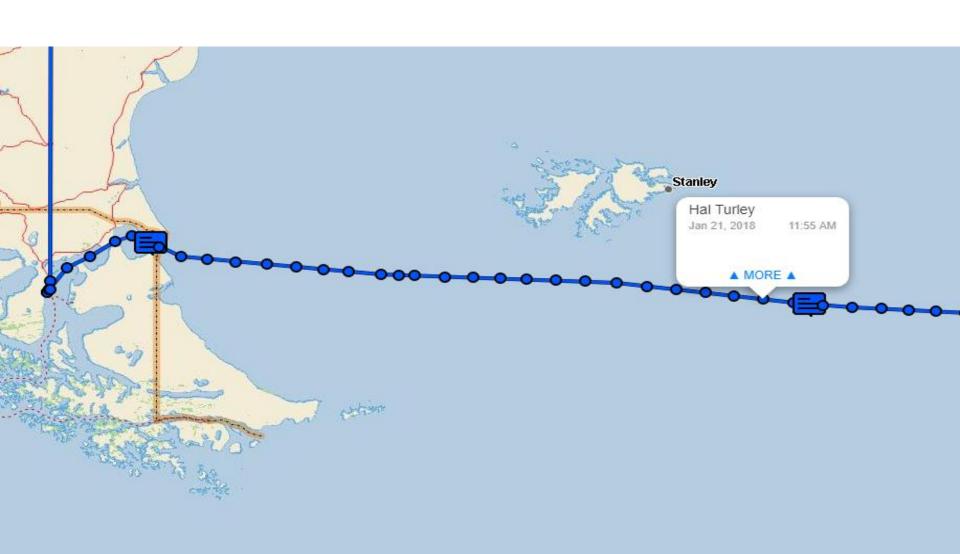




Finally set sail January 19, 2018



Making good time and past Falkland Islands











































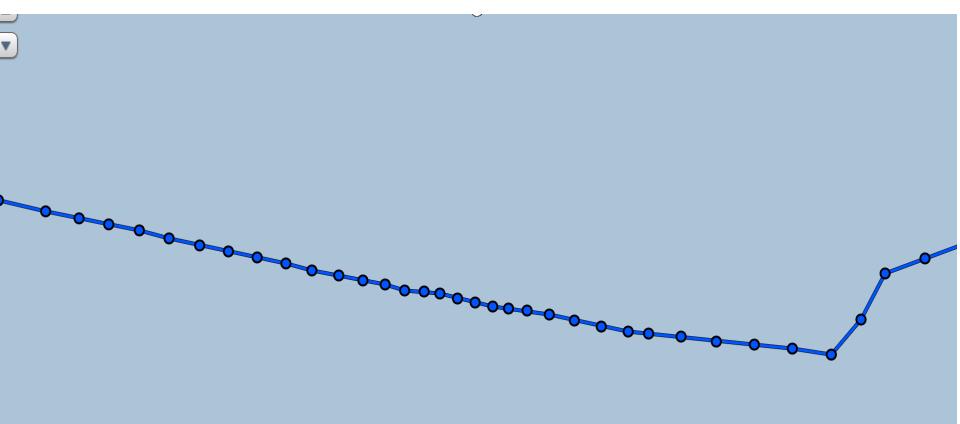








Slow for storms Iceberg avoidance







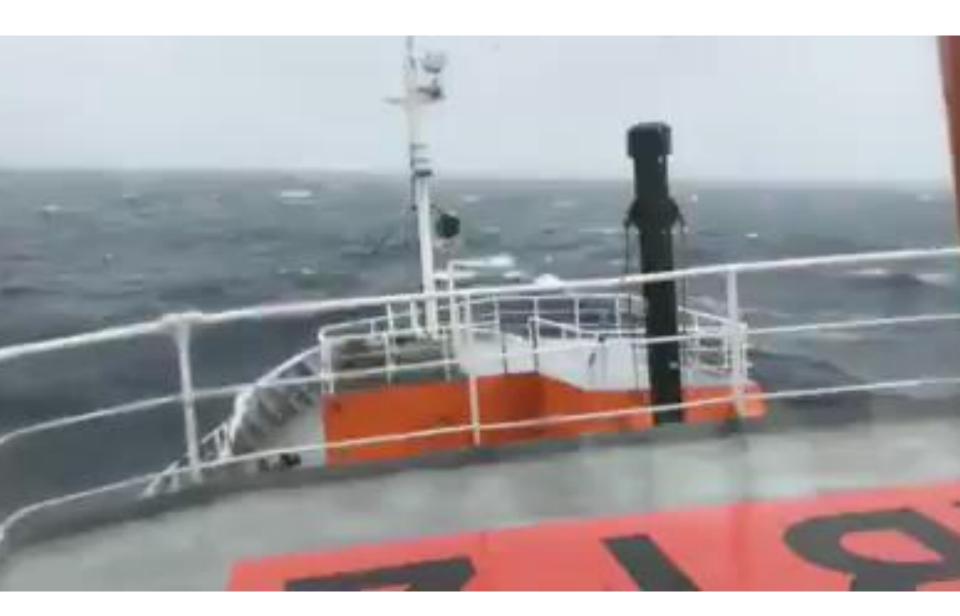












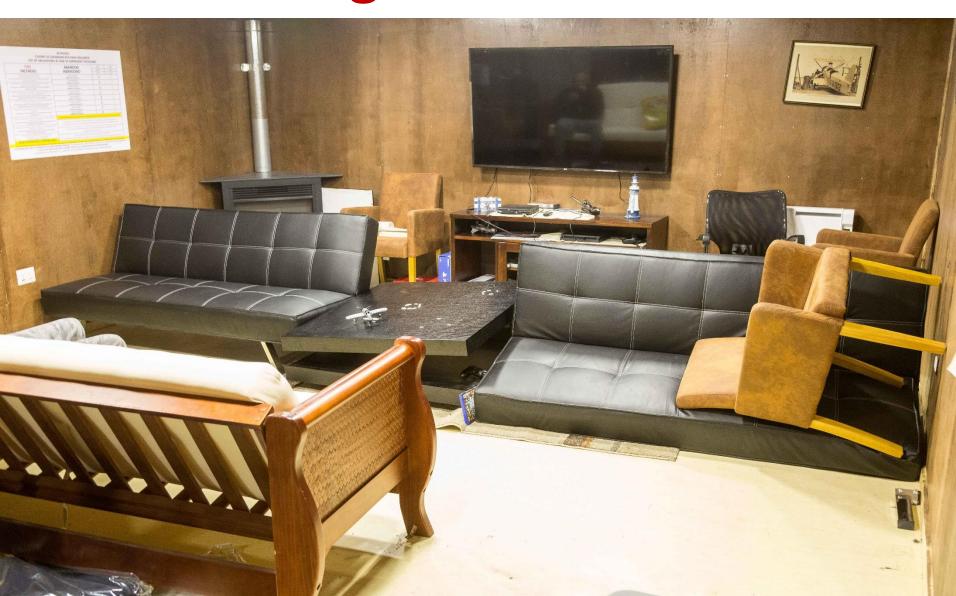




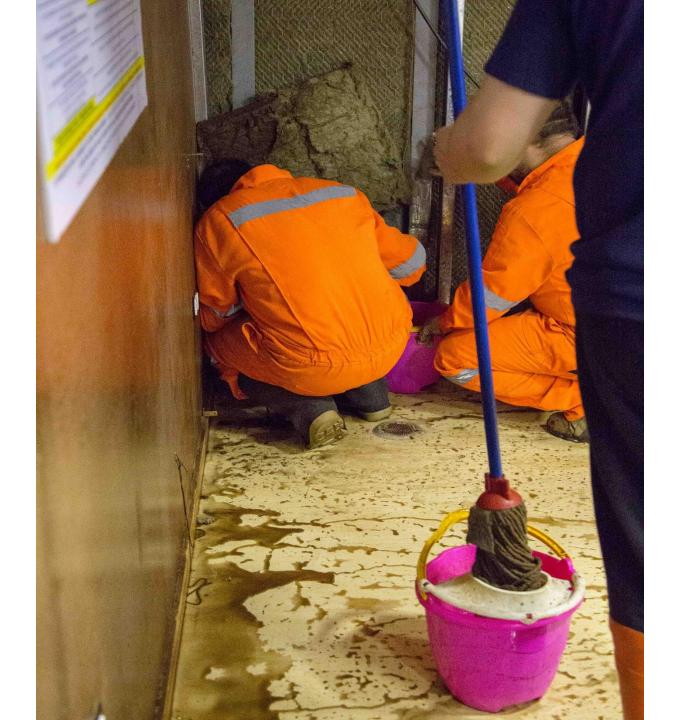
Living Room - Before



Living Room - After











Approaching Bouvet Island January 30, 2018

Hal Turley

Jan 30, 2018 10:59:15 PM

Speed: 10.86 mph Course: E

Elevation: -25.56 ft.

Lat: -54.481748 Lon: 2.965771





80 mph winds Cape Valdivia Cape Circoncision 40-50' breakers Olav Peak Bouvetøya Lars Island











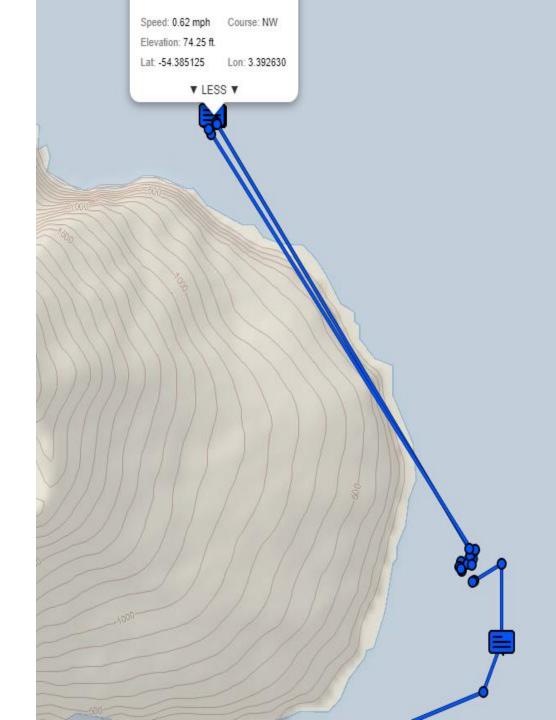








Storm intensifies February 1



30 minutes later...

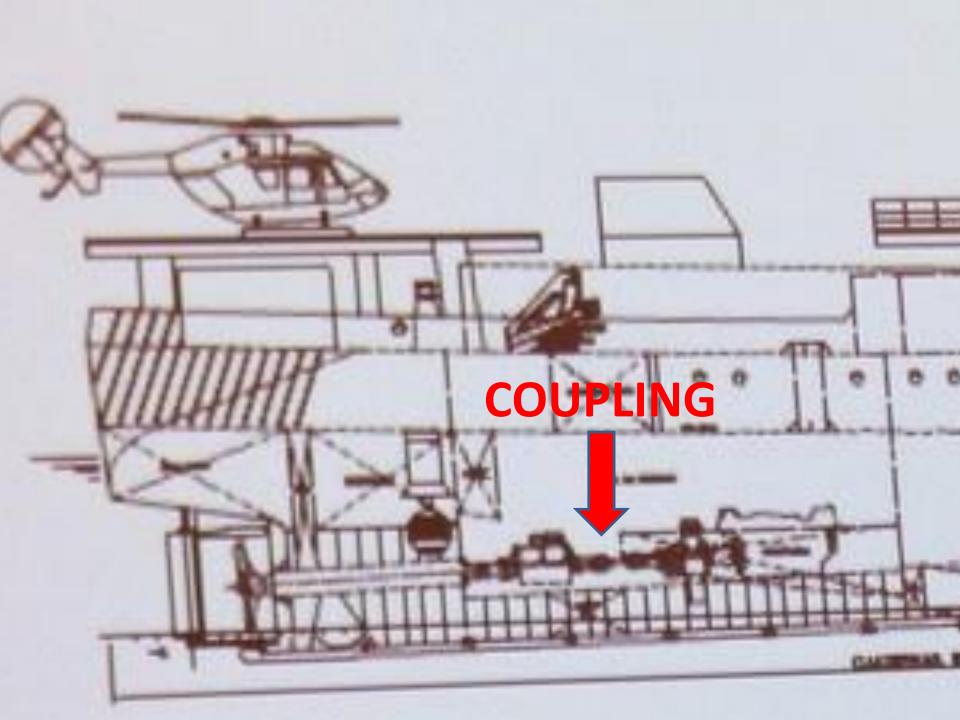


Day Three

- Two short 2 hour windows
- Helicopter limitations exceeded (swells)
- Gale force plus winds predicted next four days
- Clouds & fog moved in rest of day
- Winds picked up at sunset
- Anchors (2) could not hold position

11:45 pm Day 3

- Under power, trying to hold position near island, away from icebergs
- One of two engines fail



The next 24 sure don't look good for moving onto the rock.

Day	Local Time	Dir	Speed/ Gust	Temp/ Feels Like	Humidity	Pressure	Cloud Amount	Precip Amount	Weather
Sat 03 Feb	00:00	WNW	26 / 50 mph	35 / 22°F	96%	992 mb	99%	0.01 In	6
	03:00	⇒ ∨	25 / 50 mph	34 / 21°F	93%	993 mb	100%	0.00 In	හ
	06:00	W	25 / 49 mph	34 / 21°F	91%	994 mb	75%	0.00 In	0
	09:00	W	24 / 38 mph	35 / 23°F	90%	995 mb	93%	0.00 In	හ
	12:00	WNW	21 / 28 mph	37 / 26°F	92%	995 mb	70%	0.00 In	6
	15:00	WNW	23 / 30 mph	38 / 27°F	95%	993 mb	100%	0.00 In	හ
	18:00	NW	22 / 33 mph	37 / 26°F	96%	991 mb	100%	0.00 In	ල
	21:00	NNW	20 / 40 mph	36 / 25°F	98%	988 mb	100%	0.01 In	හ
Sun 04 Feb	00:00	NNW	24 / 50 mph	31 / 18°F	97%	984 mb	100%	0.01 In	ල
	03:00	N	28 / 58 mph	31 / 17°F	97%	977 mb	100%	0.02 In	0
	06:00	NNW	36 / 75 mph	31 / 16°F	95%	970 mb	100%	0.22 In	0
	09:00	★ NW	31 / 65 mph	31 / 17°F	94%	967 mb	100%	0.02 In	\$
	12:00	W	27 / 57 mph	31 / 17°F	94%	967 mb	100%	0.01 In	6
	15:00	WNW	24 / 51 mph	31 / 18°F	91%	968 mb	98%	0.00 In	ക
	18:00	WNW	28 / 60 mph	31 / 17°F	92%	967 mb	100%	0.00 In	එ
	21:00	WNW	30 / 62 mph	31 / 17°F	88%	967 mb	100%	0.01 In	Ф

Dawn Day 4

- Severe storms predicted for next 4 days
- Concern if 2nd failure, run aground/icebergs
- If team on island, extraction impossible???
- Captain declares MISSION ABORTED FOR SAFETY

Day 4 – toward Chile

- One engine 5-6 kts max speed
- Heading INTO wind & INTO current
- Planning 4-5+ weeks to return to Chile

6:45 am "Day 5"

- Coupling fails on remaining engine
- Adrift for a few hours to replace with an old "spare" (...that just happened to be there!)
- Captain decides to head to Cape Town
 - Downwind & with current
 - Avoiding ice fields

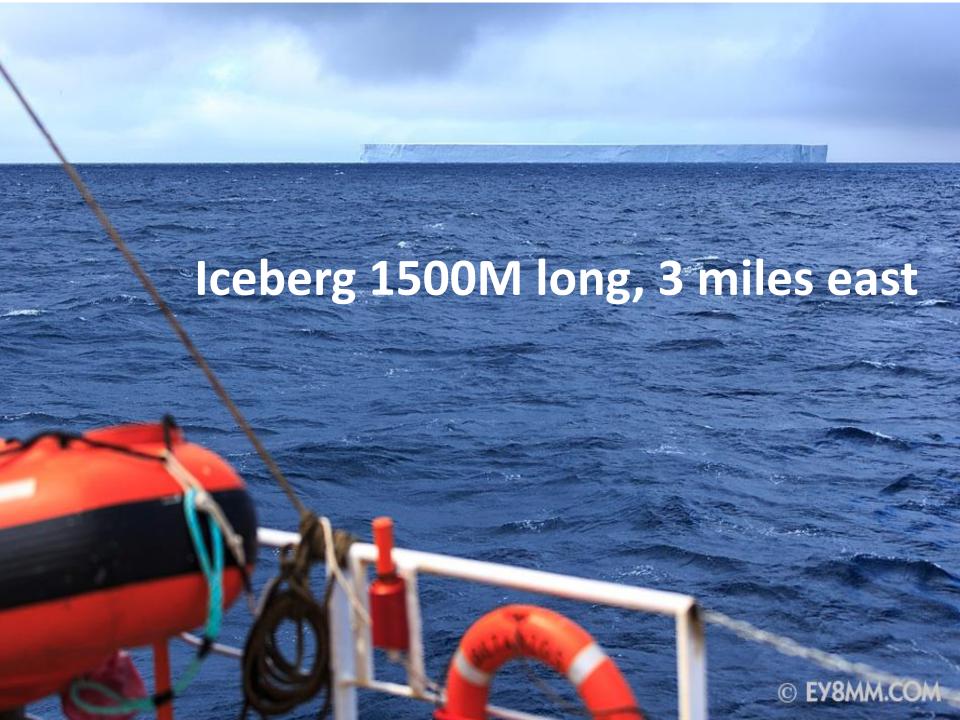
Cape Town – 1900 miles

- One engine with old coupling
- Forward boat speed 2-3 kts
- Total 4-5 kts with current & wind behind us
- What else could go wrong?

Engine Manifold Fail



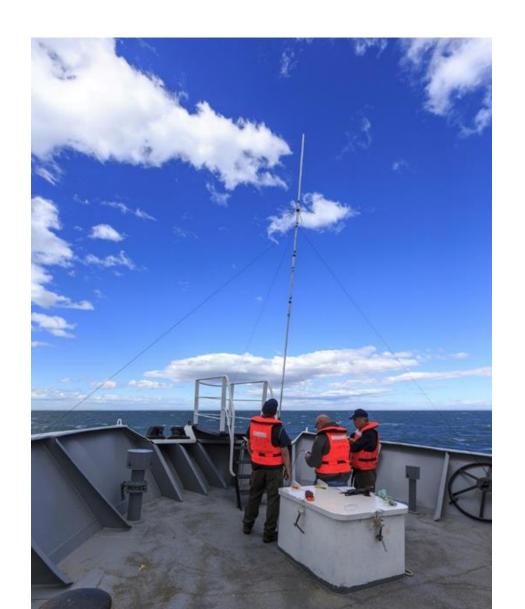








Radio!!!





3G9A/mm

Band	CW	FT8	LSB	RTTY	USB	Tot	Accum
5		123				123	123
7	3229	379	1	131		3740	3863
10		3				3	3866
14	2975	1159		53	2	4189	8055
18	615	51				666	8721
21	636	986		2		1624	10345
Total	7455	2701	1	186	2	10345	10345

















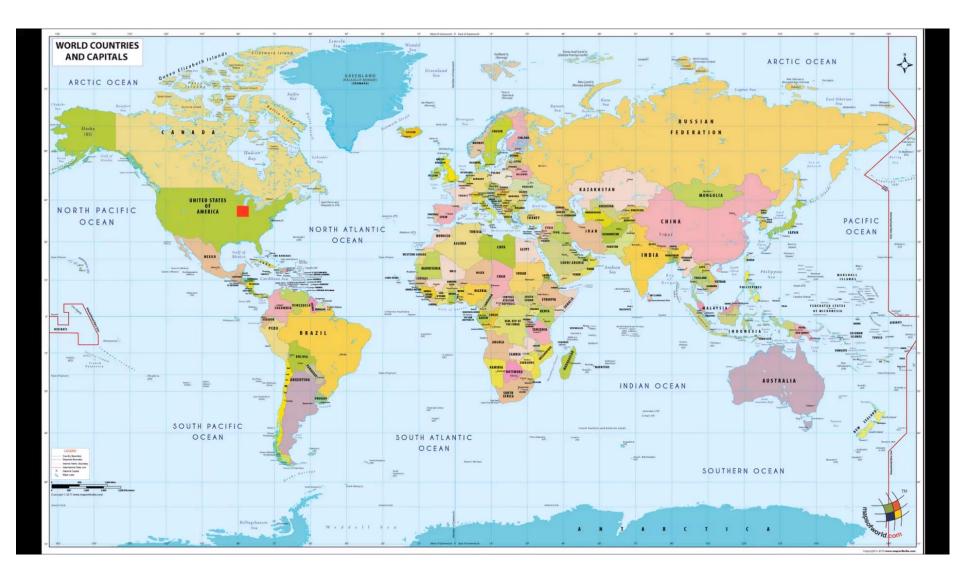




















www.bouvetdx.org



For your generous \$upport and prayers/concerns as we limped home!!!





BE PREPARED

YOU HAVE NO IDEA WHEN THE S. STORM WILL ENSUE

Bouvet IS DANGEROUS PLACE!!!

- There is never "good" weather
- Only short windows
- Summer maybe better
- Winter maybe better, but more pack ice
- Shore landings impossible

Google: "Tre Dager ved Bouvetoya" ("Three Days on Bouvet")

Next time?

- Pick ideal time for weather conditions (HA!)
- Smaller footprint on island
 - One shelter
 - Smaller team
 - Smaller antenna package
- Package loads for helicopter trips
- Need contract manager in charge
 - Ship
 - Helicopter
 - On Island support

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Lightweight

- Lightweight
- Strong

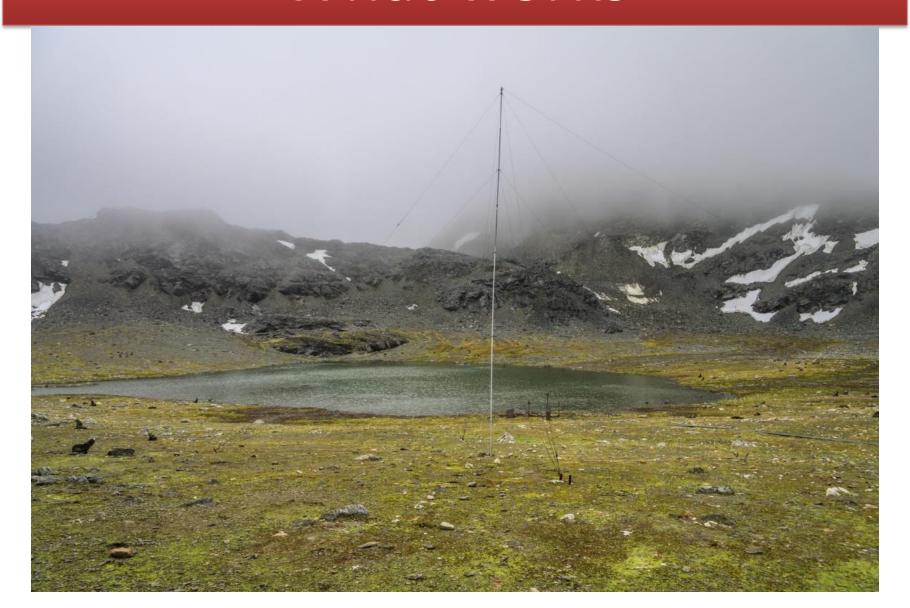
- Lightweight
- Strong
- Durable

- Lightweight
- Strong
- Durable
- Good bandwidth

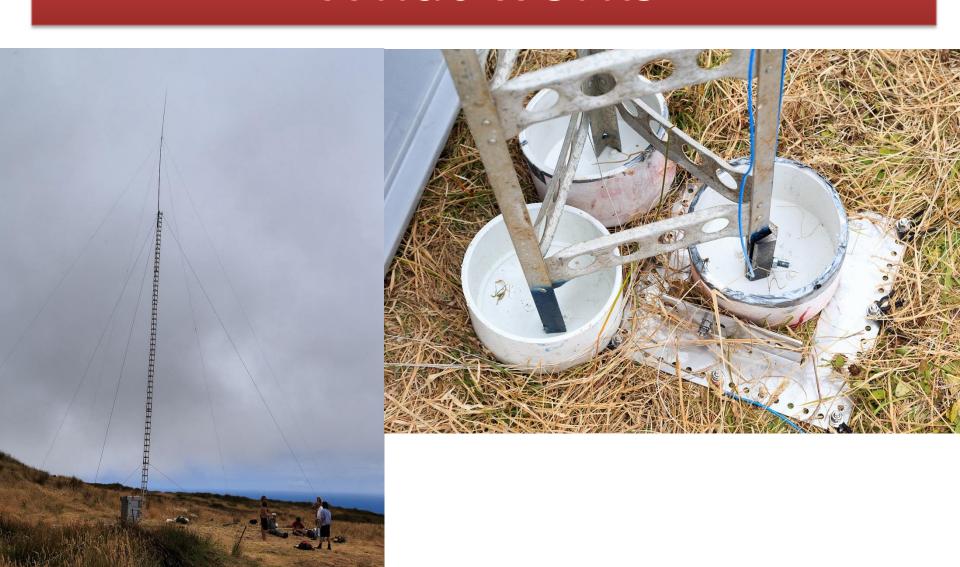
- Lightweight
- Strong
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- Good bandwidth
- Easy to tune

- Lightweight
- Strong
- Durable
- Good bandwidth
- Easy to tune
- Deployable by 3-4 hams

What works



What works



DX Engineering's new Design



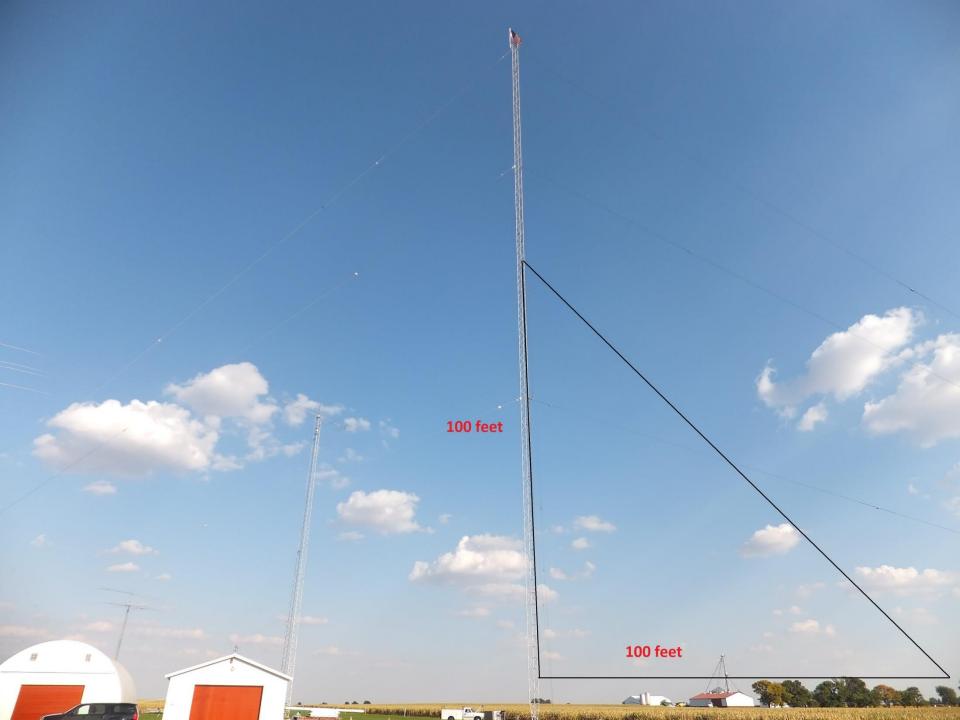


Contact me at: JerryWB9Z@Gmail.com

What's your reward?

























ON4UN's 10 Commandments of Low-Band DXing

- 1. When DX station answers someone else DO NOT CALL!
- 2. Listen Carefully. He may change his QSX.
- 3. Do NOT transmit on top of station answering.
- 4. Learn your equipment, so you know exactly where to place your transmit signal properly on frequency.
- 5. If you have limited resources on 160, focus on your receive antenna capability.
- 6. ALWAYS send your full call.
- 7. Use proper and consistent spacing when sending your call on CW.
- 8. Send the DX station's call if you are in doubt about who you are working.
- 9. Listen to the DX station's report and match his sending speed.
- 10. Listen...listen...listen!