

# MSM VANUATU MISSION 2017 PLAN

(13 May 2017 – 4 Nov 2017)

## MISSION SUMMARY

The Medical Sailing Ministries Vanuatu Mission 2017 is a privately funded, Christian-based medical outreach to Vanuatu utilising the 53 foot steel yacht *Chimere*, *plus* volunteer medical & sailing teams and the active support of the North Ringwood Uniting Church (Melbourne).

In keeping with past years, the mission will operate in association with the Health Department of Vanuatu and in partnership with the Presbyterian Church of Vanuatu (PCV).

The mission will extend over 5-6 months and include four 2-3 week outreach tours to selected regions of Vanuatu, in addition to the voyage to and from Melbourne via Sydney.

The mission goals can be summarized as follows:

1. **Survey** - To assist in conducting a **National Survey of Oral Health** and **Chronic Diseases** (ie NCDs - Non Communicable Diseases), such as diabetes, cancer, stroke, kidney disease, heart disease etc to assist in better targeting future national health strategies and funding.
2. **Medical Clinics** - Transport medical teams to remote regions of Vanuatu in order to conduct multi-disciplinary clinics.
3. **Low Smoke Stoves** - Promote Low Smoke Cooking Stove use and manufacture.
4. **Documentary Film** - Seek to produce a documentary film as a way of raising funds, featuring mission volunteers, their motivation in participating, while contrasting their “western” lifestyles with the life of rural village Ni-Vans encountered along the way.



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## Proposed Dates

**Depart** Saturday **13 May 2017** (From Westernport, Melb)

**Return** Saturday **4 November 2017** (To Westernport, Melb via Sydney)

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## Purpose & Objectives

1. **Survey** - To assist in conducting a National Oral Health & Chronic Diseases (Non Communicable Diseases, NCD) Survey of Vanuatu (To access remote areas) **Refer Appendix for more details**

### Reasons for Oral health & NCD surveys

1. Provide a basis for estimation of the present health status of a population and its future needs for oral health and NCD care
2. Produce reliable baseline data for the development of national or regional oral health and NCD programs
3. Enable planning for appropriate numbers and types of personnel for oral health & NCD care

### Objectives

1. Collect information about the oral health & NCD status and treatment needs of a population
2. Monitor changes in levels and patterns of disease
3. Assess the appropriateness and effectiveness of the services being provided
4. Effectively plan or modify health services and training programs as needed

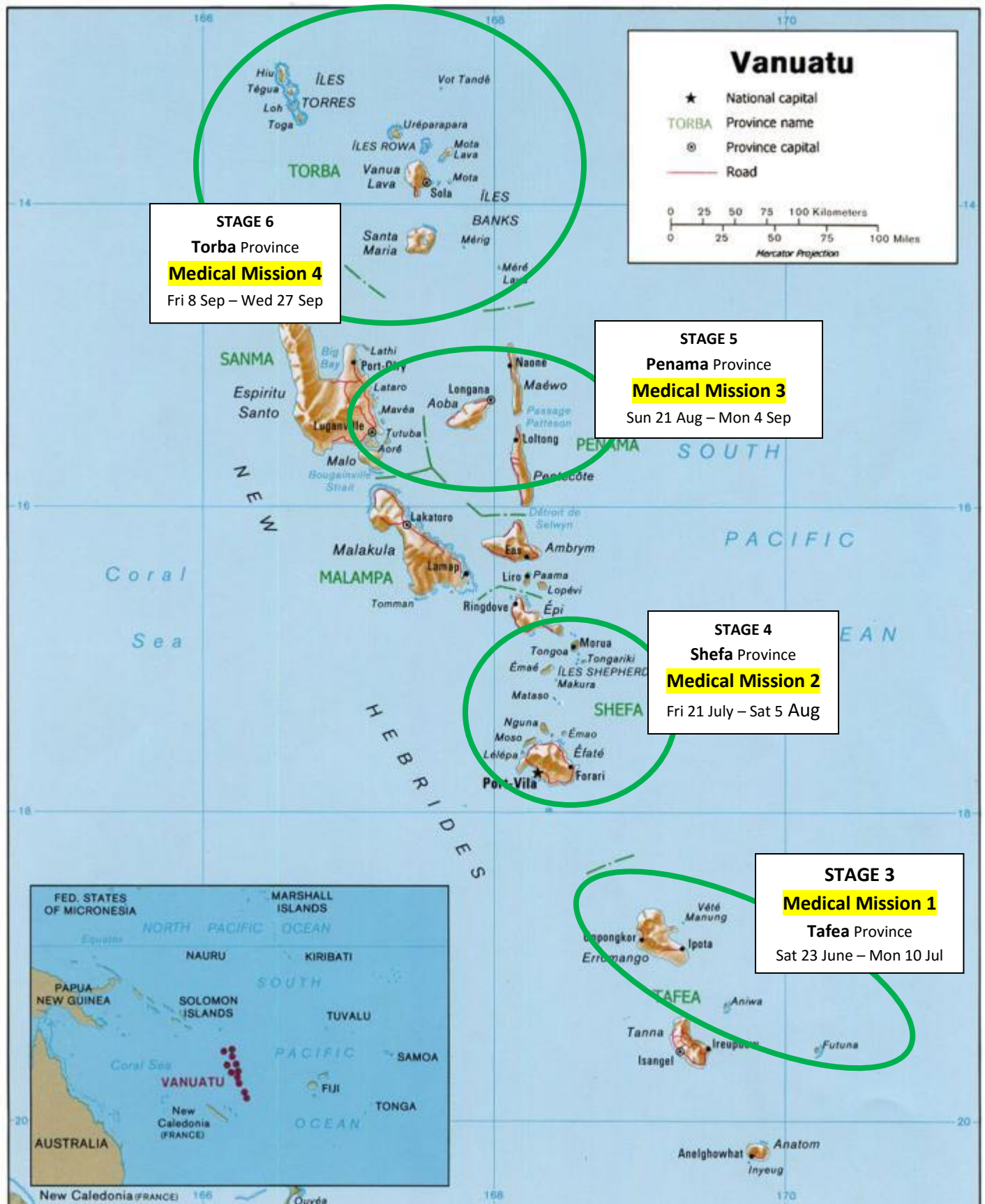
### Essential requirements that come to mind

1. Recruitment and training of examiners (dentists, oral health therapists, dental hygienists, senior dental students), record clerks
  2. Access to isolated areas (Chimere?)
  3. Availability of sufficient instruments (mirrors and probes)
  4. Cross-infection control
  5. Financial support
- 
2. **Medical Clinics** - Transport medical teams to remote regions of Vanuatu in order to conduct multi-disciplinary clinics.  
Recruit & transport medical teams comprising dentist, doctor, optometrist and assistants – including local, Ni-Van personnel
  3. **Low Smoke Stoves** - Promote Low Smoke Cooking Stove use and manufacture  
Develop low smoke stove construction designs using local cement building blocks
  4. **Documentary Film** - Seek to produce a documentary film as a way of raising funds, featuring mission volunteers, their motivation in participating, while contrasting their “western” lifestyles with the life of rural village Ni-Vans encountered along the way.  
Possibly use a local Ni-Van film production crew.





## Proposed MSM Mission Locations 2017



## Mission Stages

It is proposed that the 2017 MSM Vanuatu Mission will be divided into 8 stages, specifically:

### **Stage 1 – PREPARATION**

18 July 2016 -13 May 2017

### **Stage 2a – SAIL CHIMERE FROM MELBOURNE TO SYDNEY**

13 May 2017 – 21 May 2017

### **Stage 2b – SAIL CHIMERE FROM SYDNEY TO PORT VILA (VANUATU)**

22 May 2017 – 6 June 2017

### **Stage 2c – REST & REPAIR IN PORT VILA (VANUATU)**

6–23 June 2017

### **Stage 3a – SAIL CHIMERE FROM PORT VILA TO TANNA THEN COMPLETE FIRST MEDICAL MISSION**

23 June –10 July, Islands of Eromango, Aniwa, and Futuna

### **Stage 3b – REST & REPAIR IN PORT VILA (VANUATU)**

9/7/2017 - 18/7/2017

### **Stage 4a – SAIL CHIMERE FROM PT VILA TO HAVANNAH HBR THEN COMPLETE SECOND MEDICAL MISSION**

21 July –5 Aug, Mataso, Makira, Tongariki, Tongoa, Emae

### **Stage 4b – REST & REPAIR IN PORT VILA**

5-12 Aug 2017

### **Stage 5a – SAIL CHIMERE FROM PT VILA TO PENTECOST IS. THEN COMPLETE THIRD MEDICAL MISSION**

Sun 20 Aug – Mon 4 Sep, Island of Pentecost, Maewo and Ambae

### **Stage 5b – REST & REPAIR IN LUGANVILLE, ESPIRITU SANTO**

Sun 3<sup>rd</sup> Sep – Fri 8<sup>th</sup> Sep 2017

### **Stage 6 – CHIMERE COMPLETES FOURTH MEDICAL MISSION**

Fri 8 Sep – Wed 27 Sep, Islands of Merelava, Merig, Gaua, VanuaLava, Mota, Motalava, Ureparapara, Loh, Hiu, Tegua, Toga

### **Stage 7 – RELOCATION OF CHIMERE FROM LOH IS BACK TO PORT VILA**

Mon 25 Sep – Fri 6 Oct

### **Supporters Tour – CHIMERE BASED IN PORT VILA DOING DAY-TRIPS**

Fri 6 Oct – Mon 16 Oct 2017

### **Stage 8 – RETURN SAIL FROM PORT VILA TO MELBOURNE, VIA SYDNEY or COFFS HARBOUR**

Mon 16 Oct–Sat 4 Nov 2017

# STAGE 1 - Preparation

**18 July 2016 – 13 May 2017**

The preparation stage will involve:

1. Necessary re-fit and maintenance program aboard Chimere
2. Finance and budgeting, including fund raising & promotion to assist with mission operation
3. Recruitment of suitable crew and medical volunteers for each stage of the mission
4. Design of the “Vanuatu National Oral Health & NCD Survey” – including an “Implementation Plan” and the recruitment and training of volunteer field data collectors.
5. Summer “test sail” of Chimere (10-14 days) to ensure everything is in operational order.
6. Additional test sail for volunteer crew and skippers, 2-11 March 2017, after which Chimere will be slipped for work on the dry at Westernport Marina

## **Maintenance schedule**

### **Above Deck**

- Servicing Sails
- Rigging Overhaul & survey
- New Anchor Chain (120m x 13mm short link)
- Anchor Hatch Box
- Servicing Dodger Covers (zips refitted)
- New Companionway Cockpit Cover
- Deck Boxes under boom (on the Coach House)
- Consider Solar Panels
- Paint Deck & coachhouse
- Large dingy serviced and plate welded to floor
- New set of wet weather gear (Ronstan?) x4 + new inflatable PDFs with harness x 4

### **Engines and Motors**

- Buy replacement engine Starter Motor
- Buy replacement anchor Winch Motor
- New Batteries

### **Below Deck**

- New Stove & gas lines
- Service Fire Extinguishers
- Hinges for Pot Bin
- Brass offset barrel bolts for drawers in forward cabin
- LED Lights throughout and downlights for saloon
- LED Lighting – Strip Lighting for Galley
- Extra Porthole Covers (x4)
- Rework Toolkit – Refill drills
- Port Head – Service Kit for Manual Pump
- Starboard Head – Replace Toilet Seat hinge.
- Starboard Head – Shower curtain.
- Kitchen Things – chopping boards, knife sharpener, dish rack, wooden spoons, spatula

**Other**

- Contact Club Marine to request Blue Water Insurance Exemption
- Lift Chimere onto the dry at Hasting in early March, Check & clean hull and all fittings
- Remove all gear currently stowed aboard & repack only essentials
- Service all engines, pumps and equipment on board
- Ensure stock of replacements parts is current
- Compile list of all items aboard
- Sand and treat all woodwork aboard

Details	Days	Volunteers Required	Confirmed Team Members	Crew Change Dates	Notes
<b>STAGE 1</b> 18 July 2016 - 13 May 2017 Vessel Preparation					The process of preparation will include a 2wk Bass Strait test-sail, several working bees and a time of

Refer **APPENDIX** for more detail

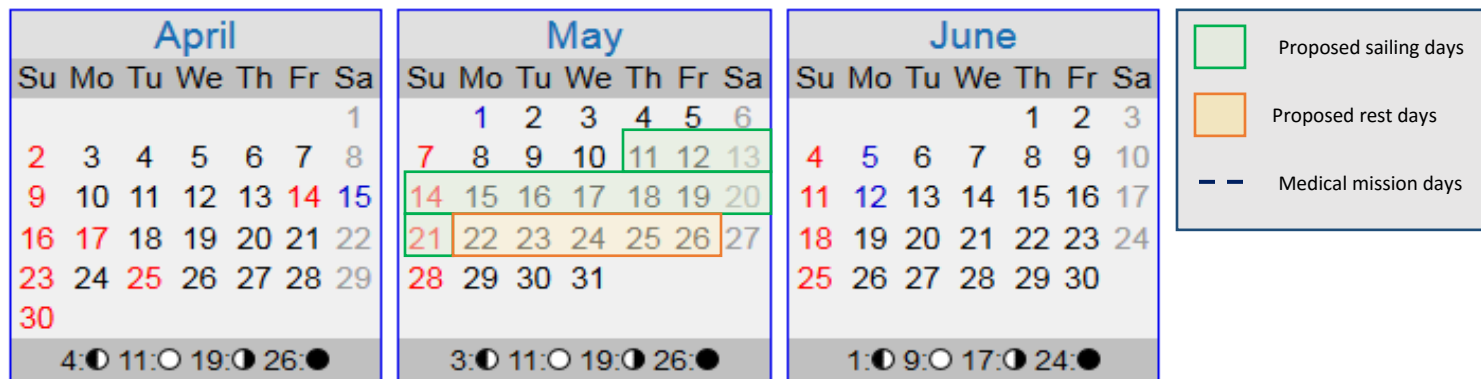


## STAGE 2a Delivery Voyage – Shake-down cruise Melbourne to Sydney)

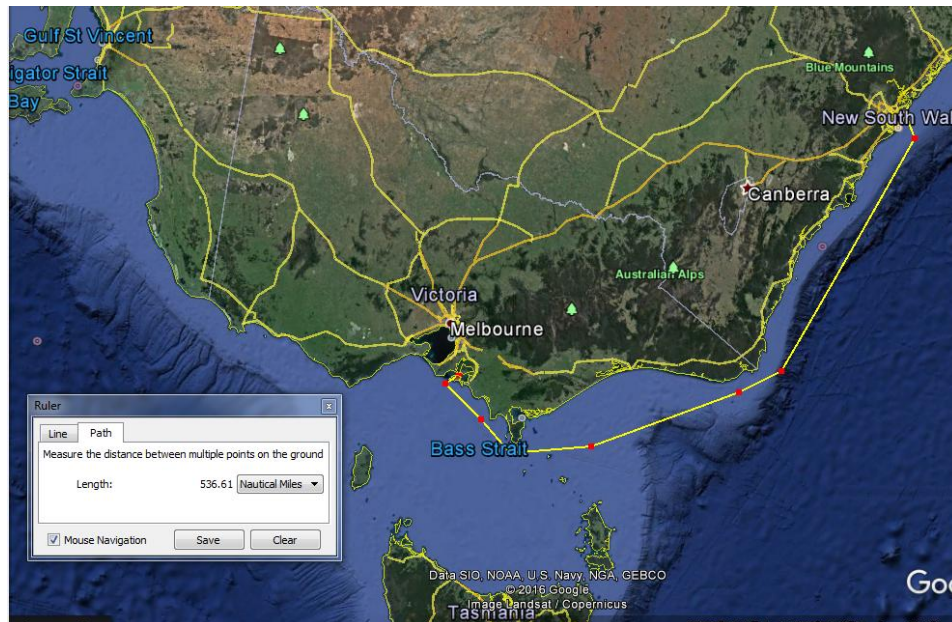
11-21 May 2017 (9 days) (Sailing Team Dates)  
550 Miles

### Key Points

- Shake-down cruise from Melbourne to Sydney (CTCA, Rushcutters Bay) from 13-21 May
- Sailing crew join Chimere 11/5/17 at Westernport, Hastings & leave Chimere in Sydney on 21/5/17
- A period of approx. 9 days has been allowed for the voyage from Melbourne to Sydney
- Final maintenance tasked undertaken before commencement of voyage to Vanuatu on or around 27/5/17



Details	Days	Volunteers Required	Confirmed Team Members	Crew Change Dates	Notes
<b>STAGE 2a</b> 13 May 2017 – 21 May 2017 Melbourne to Sydney (Shakedown leg)	9 days	Captain 1 <sup>st</sup> Mate Coxswain Deckhand Deckhand	Rob Latimer Cam Heathwood Don Grimmett ? John Land ? TBA	Embark Mel. 11/5/2017 Depart Syd 21/5/2017	A period of 9 days has been allocated for the Mel-Syd sailing leg, designed to iron out any bugs in preparation for the voyage to Vanuatu.  Hope to arrive in Syd on 20 or 21 May and berth at the CYCA in Rushcutters Bay



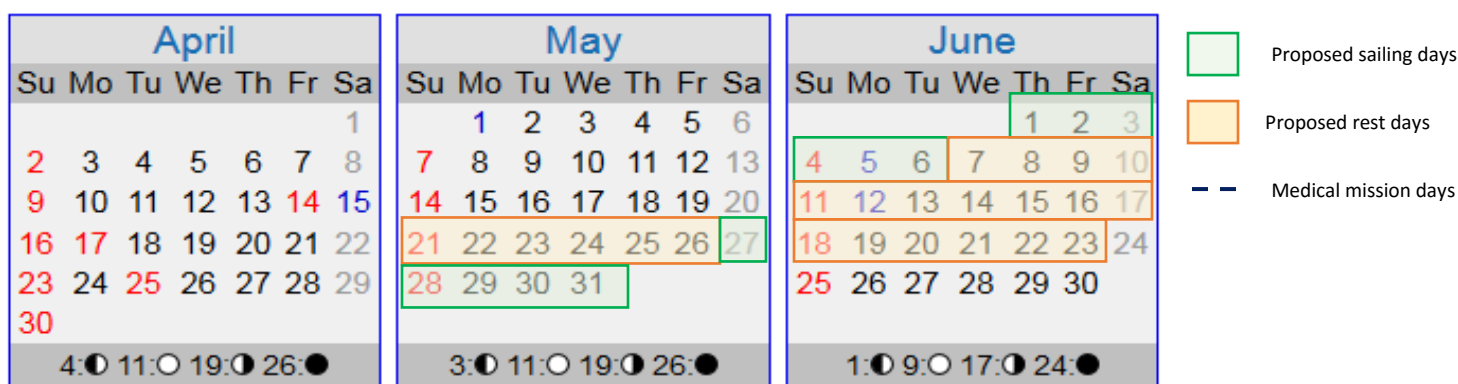
The first stage will be a shake-down cruise to Sydney where we intend to stay for a few days (at Cruising YC of Aust, Rushcutters bay) before making the crossing to Port Vila

## STAGE 2b Delivery Voyage – Sydney to Port Vila

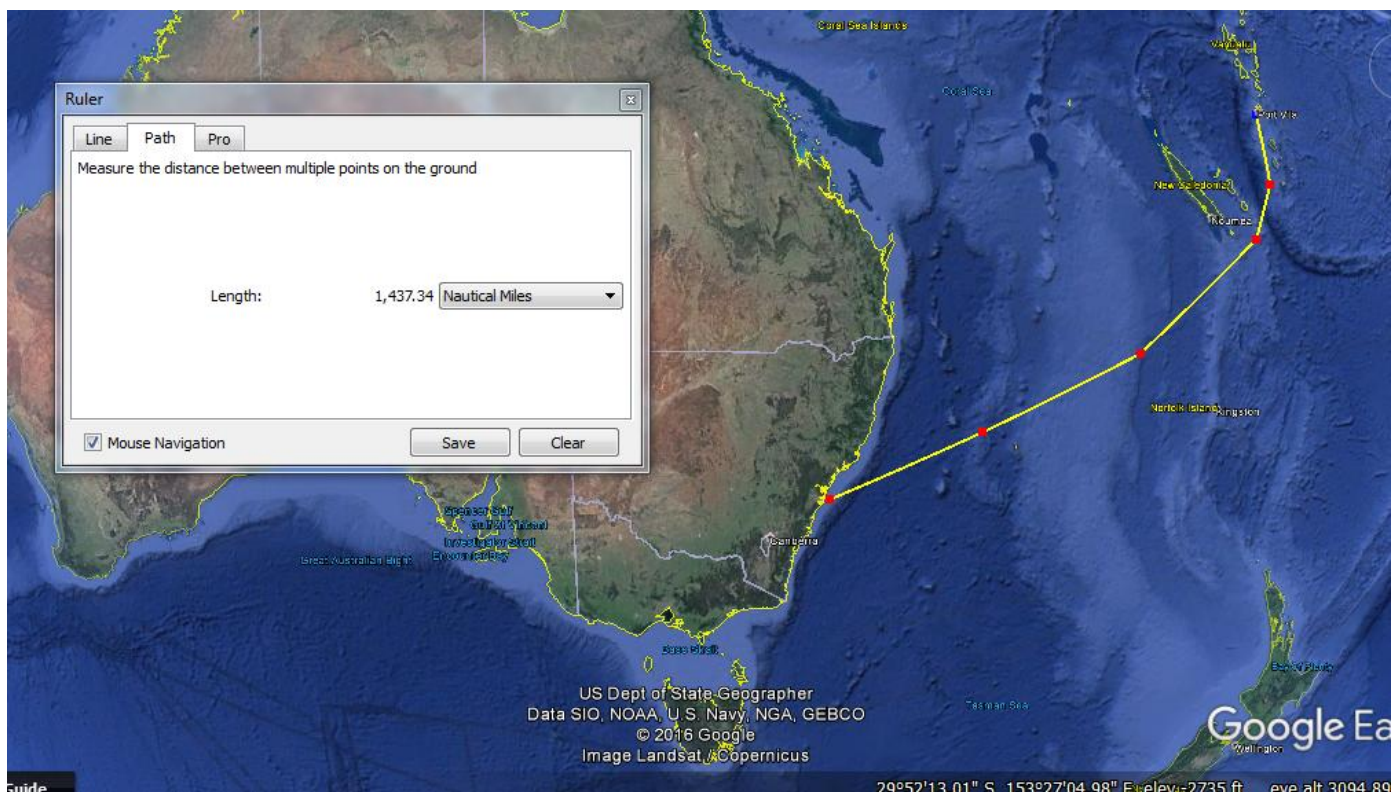
**21 May – 6 June 2017** (16 days) (Sailing Team Dates)  
1,450 Miles

### Key Points

- Sailing crew join Chimere between 21/5/17 & 26/5/17 at CYCA Rushcutters Bay Sydney to prepare for voyage
- Sailing crew depart Chimere on or after 9/6/17 from Port Vila, Vanuatu
- A period of approx. 11 days has been allowed for the voyage from Sydney to Port Vila
- On arrival in Port Vila around 6/6/17 it will be important for at least two crew members to remain living aboard until the arrival of the next sailing team.
- It will be necessary to arrange “One Way Travel” visas to demonstrate that crew have ability to return to Australia after their on-way passage



Details	Days	Volunteers Required	Confirmed Team Members	Crew Change Dates	Notes
<b>STAGE 2b</b> 22 May 2017 – 6 June 2017 Delivery Voyage – Sydney to Vanuatu	16 days	Captain 1 <sup>st</sup> Mate Coxswain Deckhand Deckhand	Cam Heathwood Bob Brenac ? TBA John Land ? TBA	Embark Syd. 21/5/2017 Depart Pt Vila after 9/6/2017	After a 5 day period of preparation, Chimere should be ready to depart CYCA on or around 27 May. A period of 11 days has been allocated for the crossing, at an average of 130 miles per day (at a speed of approx. 5.0-5.5kts) After arriving in Port Vila on or around 6 June (ideally NOT during week-end due to closure of Customs office) there will be a time of rest and repair Crew departing at Port Vila can do so after 9/6/2017 to allow for delays and clean-up time on arrival It will be important for crew to arrange a one-way return visa letter to facilitate departure from Australia and arrival in Vanuatu. MSM will arrange this New crew to arrive after 9/6/2017

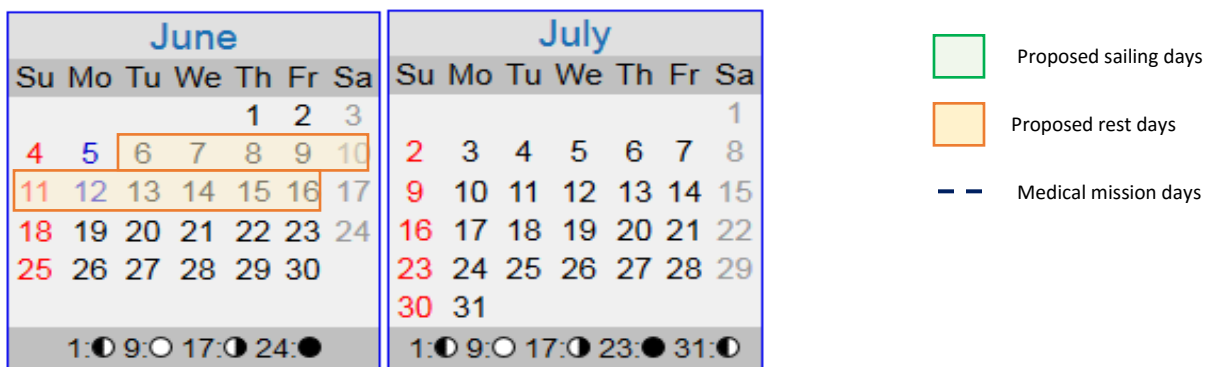


## STAGE 2c Rest & Repair in Port Vila

6 June – 23 June (18 days)

### Key Points

- Sailing crew join Chimere between 9/6/17 & 16/6/17 at Waterfront, Port Vila, Vanuatu
- Sailing crew depart Chimere on or after 13/7/17 from Port Vila, Vanuatu
- Around 19/6/17 the new crew will sail south to Port Resolution, Tanna in preparation for the first medical team which will arrive at Tanna on 25/7/17
- On arrival in Port Vila around 6/6/17 it will be important for at least two crew members to remain living aboard until the arrival of the next sailing team.
- It will be necessary to arrange "One Way Travel" visas to demonstrate that crew have ability to return to Australia after their on-way passage



<b>STAGE 2c</b> 6–23 June 2017 <b>REST &amp; REPAIR</b> in Pt Vila RELOCATE TO TANNA	18 days	Captain 1 <sup>st</sup> Mate Coxswain Deckhand Deckhand	<b>Bob Brenac ?</b> Rob Latimer <b>TBA</b> <b>John Land ?</b> <b>TBA</b>	Embark Pt Vila btwn 9/6/2017 & 16/6/2017 Depart Pt Vila after 13/7/2017	It is important to have at least 2 carry-over crew to remain onboard between arrival in Port Vila on 6/6/17 and commencement of Stage 3 (23/6/17) New crew should arrive between 9/6 & 16/6 It is suggested that Chimere depart Port Vila for the 140 mile voyage south to Tanna Island by 19/6/2017 in order to arrive in time to pick up the medical team who will arrive at the island by plane on 24/6. Prevailing winds are generally from the SE, so a trip south such as this might take longer and be more uncomfortable than usual. Suggested anchorage on Tanna is Port Resolution on the SE corner of island. By arriving a few days early there is the chance to also visit the nearby Mt Yasur volcano
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## STAGE 3a Sail Chimere from Pt Vila to Tanna, then complete Medical Mission 1

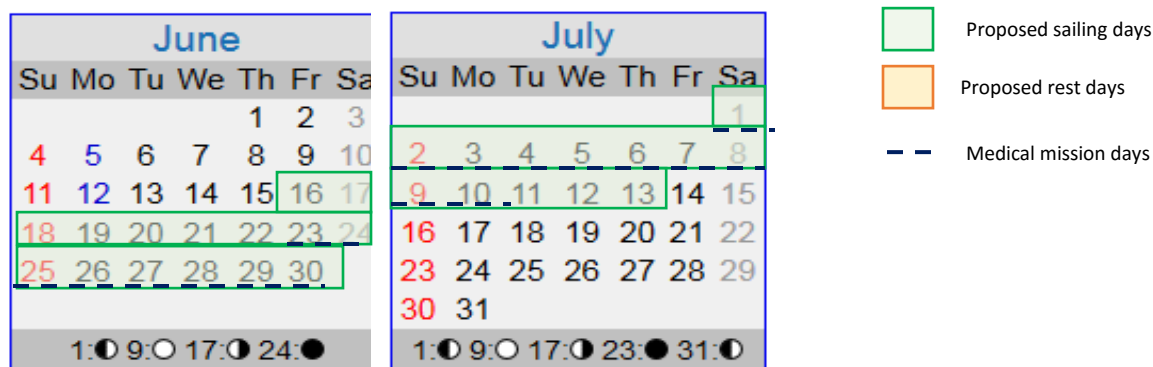
**Fri 9 June – Sat 13 July (Approx 30 days)**

(Sailing team dates)

240 Miles

### Key Points

- Sailing crew join Chimere between 9/6/17 & 16/6/17 at Waterfront, Port Vila, Vanuatu
- Sailing crew depart Chimere on or after 13/7/17 from Port Vila, Vanuatu at conclusion of the mission
- Sailing crew relocate Chimere to Port Resolution, Tanna, between 19/6 & 23/6. (to meet medical team there)
- Medical team travel to Port Vila on Fri 23/6, stay overnight and then fly to Tanna on the morning flight the next day, 24/6/17
- On arrival at the Tanna airport (Lenakel) the medical team are driven by 4wd truck to Port Resolution and load their belongings aboard Chimere.
- Medical team are each allocated a bunk to rest
- There should be time for an afternoon trip to the nearby Mt Yasur volcano.
- Weather permitting, Chimere would sail the 42 miles to Futuna Island either overnight or starting very early 25/6 (All medical team members would be given a bunk to sleep in with crew sleeping elsewhere, or on watch)
- After visiting Futuna, the medical mission proceeds to Aniwa and Erromango before finishing up in Port Vila on the morning of 9/7/17.

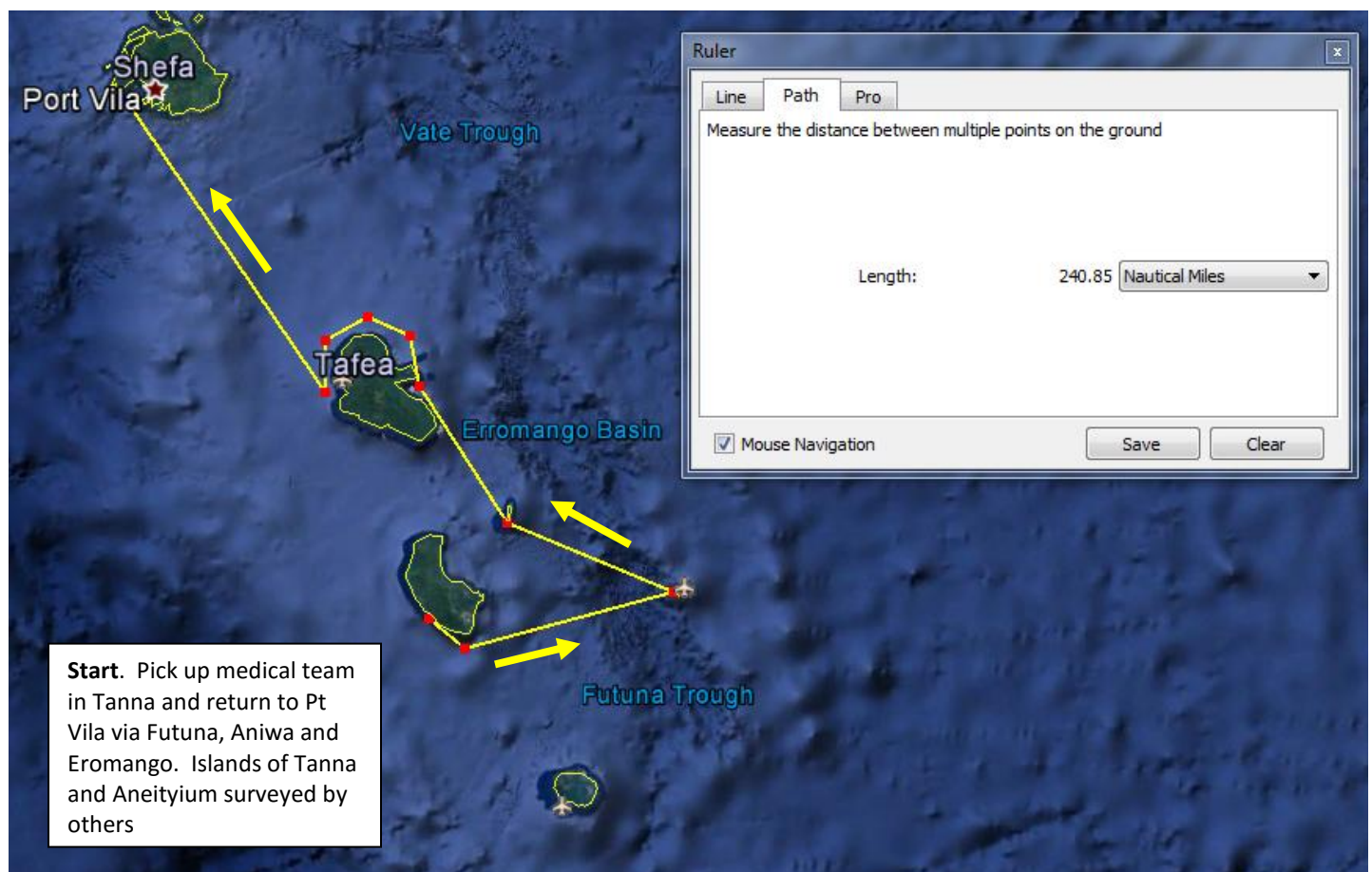


**Note:** Volunteer dentists will need to arrive in Vanuatu 2-3 days prior to the commencement of the mission in order to receive appropriate on-site Oral health Survey training and accreditation to ensure continuity and validity of national oral Health Survey results

Details First Medical Mission	Days	Volunteers Required	Confirmed Team Members	Crew Change Dates	Notes
STAGE 3a Tafea Province Fri 23 June – Mon 10 July Islands of Erromango,	Approx. 30 days for sailors	Captain 1 <sup>st</sup> Mate Coxswain Deckhand Deckhand	Bob Brenac Rob Latimer TBA John Land? TBA	Embark Pt Vila btwn 9/6/2017 & 16/6/2017 Depart Pt Vila after 13/7/2017	New crew should arrive between 9/6 & 16/6 It is suggested that Chimere depart Port Vila for the 140 mile voyage south to Tanna Island by 19/6/2017 in order to arrive in time to pick up the medical team who will arrive at the island by plane on 24/6. Prevailing winds are



Aniwa, and Futuna		Coordinator Dentist Dentist D. Assistant D. Assistant Doctor Nurse Optom O. Assistant	TBA Tami Yap Chris Khoo A. Celentano TBA TBA TBA TBA TBA		<p>generally from the SE, so a trip south such as this might take longer and be more uncomfortable than usual. Suggested anchorage on Tanna is Port Resolution on the SE corner of island. By arriving a few days early there is the chance to also visit the nearby Mt Yasur volcano</p> <p>Medical team fly to Vanuatu on Fri 23/6 and from there to Tanna on 24/6/2017 (8:30am flight) and drive to Port Resolution to meet yacht and load their gear aboard. There would be time for an afternoon visit to the volcano</p> <p>Weather permitting, Chimere would sail the 42 miles to Futuna Island either overnight or starting very early 25/6</p> <p>All medical team members would be given a bunk to sleep in with crew sleeping elsewhere, or on watch.</p> <p>From Futuna Chimere will take the medical team to Aniwa and from there to Erromango. The final 80 mile leg from Erromango to Port Vila will probably be done overnight arriving in Port Vila in morning of 9/7 so the medical team can fly back to Australia on 10/7</p> <p>Sailing crew to remain aboard till 13/7/2017 to assist with</p>
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Melb to Vila return flight approx. \$900

Vila to Tanna one way flight \$165

### Melbourne to Port Vila

Flight 1	Saturday, June 24, 2017			
Departure:	14:00	Melbourne, Australia - Melbourne Airport, terminal 1		
Arrival:	15:25	Sydney, Australia - Kingsford Smith, terminal 3		
Airline	Qantas Airways QF 438		Aircraft:	Boeing 737-800 (Winglets)
Fare type:	<a href="#">SPECIAL</a> /Economy Restricted			

→ Change of plane required. Time between flights : 3:50.

Flight 2	Saturday, June 24, 2017			
Departure:	19:15	Sydney, Australia - Kingsford Smith, terminal 1		
Arrival:	23:30	Port Vila, Vanuatu - Bauerfield International		
Airline	Air Vanuatu NF 11		Aircraft:	Boeing 737-800
Fare type:	<a href="#">SPECIAL</a> /Economy Restricted			

### Port Vila to Melbourne

Flight 1	Monday, July 10, 2017			
Departure:	07:00	Port Vila, Vanuatu - Bauerfield International		
Arrival:	09:55	Sydney, Australia - Kingsford Smith, terminal 1		
Airline	Air Vanuatu NF 10		Aircraft:	Boeing 737-800
Fare type:	<a href="#">SMART</a> /Economy Restricted			

→ Change of plane required. Time between flights : 2:05.

Flight 2	Monday, July 10, 2017			
Departure:	12:00	Sydney, Australia - Kingsford Smith, terminal 3		
Arrival:	13:35	Melbourne, Australia - Melbourne Airport, terminal 1		
Airline	Qantas Airways QF 431		Aircraft:	Boeing 737-800 (Winglets)
Fare type:	<a href="#">SMART</a> /Economy Restricted			

Port Vila to Tanna Island Sunday, June 25, 2017 Passengers: 1  
Fare type:

Legend: = e-ticket option = Limited seats left \$ = Australian Dollar

Fare type	Fare description
<b>FLEXI</b>	Greater Flexibility   <a href="#">more details</a>

reset display

Select your flight and price below. It is possible that some flight or price options may not be combined, an alternative price maybe displayed after selecting your outbound flight. Prices are per passenger and include taxes and surcharges. Total prices including service fees will be displayed at the next steps.

sort results by:

Departure time ▼

### Departure: Port Vila- Tanna Island

Sun, June 25

10:20 Port Vila ([VLI](#))  
11:00 Tanna Island ([TAH](#))



Air Vanuatu(NF240)

0:40

0 stop(s)

[flight details](#)

FLEXI

\$165.10

## STAGE 3b Rest & Repair in Port Vila

9 July –18 July (10 days)

### Key Points

- After delivering the medical team back to Port Vila on 9/7/17, crew can depart on or after 13/7/17.
- Chimere will require at least two crew while she sits at the Waterfront, Port Vila, Vanuatu awaiting the next crew.
- The new sailing crew will arrive between 13/7 & 18/7.
- On or around 19 or 20 July Chimere will be relocated around to the NW side of Efate at Havannah Harbour in readiness for the arrival of the next medical team



Details	Days	Volunteers Required	Confirmed Team Members	Crew Change Dates	Notes
<b>First Medical Mission</b>					
<b>STAGE 3b</b> <b>REST &amp; REPAIR</b> in Pt Vila RELOCATE TO HAVANNAH  Sun 9/7/2017 to Tue 18/7/2017	Approx. 11 days between mission 1&2	Captain 1 <sup>st</sup> Mate Coxswain Deckhand Deckhand	TBA TBA TBA TBA TBA	Embark Pt Vila btwn 13/7/2017 & 18/7/2017 Depart Pt Vila after 8/8/2017	After the completion of Stage 3a (ie The First Medical Mission) on 9/7/2017, Chimere will return to Port Vila, with the medical team flying back to Australia on 10/7/17 and most of the sailing team returning after 13/7/2017 after a period of repair and relaxation. The next medical team will be arriving on Friday 21 July and so it will be necessary for two crew members – either from the earlier Stage 3a, or the next stage 4, to be on board to look after the vessel. It is expected that most sailing crew will arrive for Stage 4 between 13/7-18/7/2017 living aboard Chimere until the next mission starts on 21/7. Around 19 or 20 July it will be necessary for Chimere to be relocated the 25 miles around to Havannah Harbour. It is here that the medical team will going aboard late on the 21/7, after arriving by plane from Australia around 3:30pm. It will be necessary for the crew to give up their bunks for the medical team to rest this first night



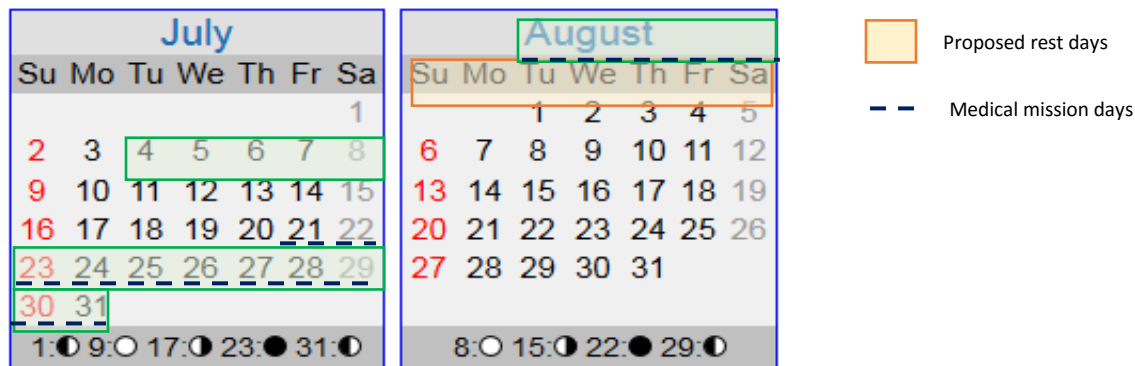
## STAGE 4a – Sail Chimere from Pt Vila to Havannah Hbr, then complete Medical Mission 2

**18 July – 8 Aug** (25-30 days) (Sailing team dates)  
140 Miles

### Key Points

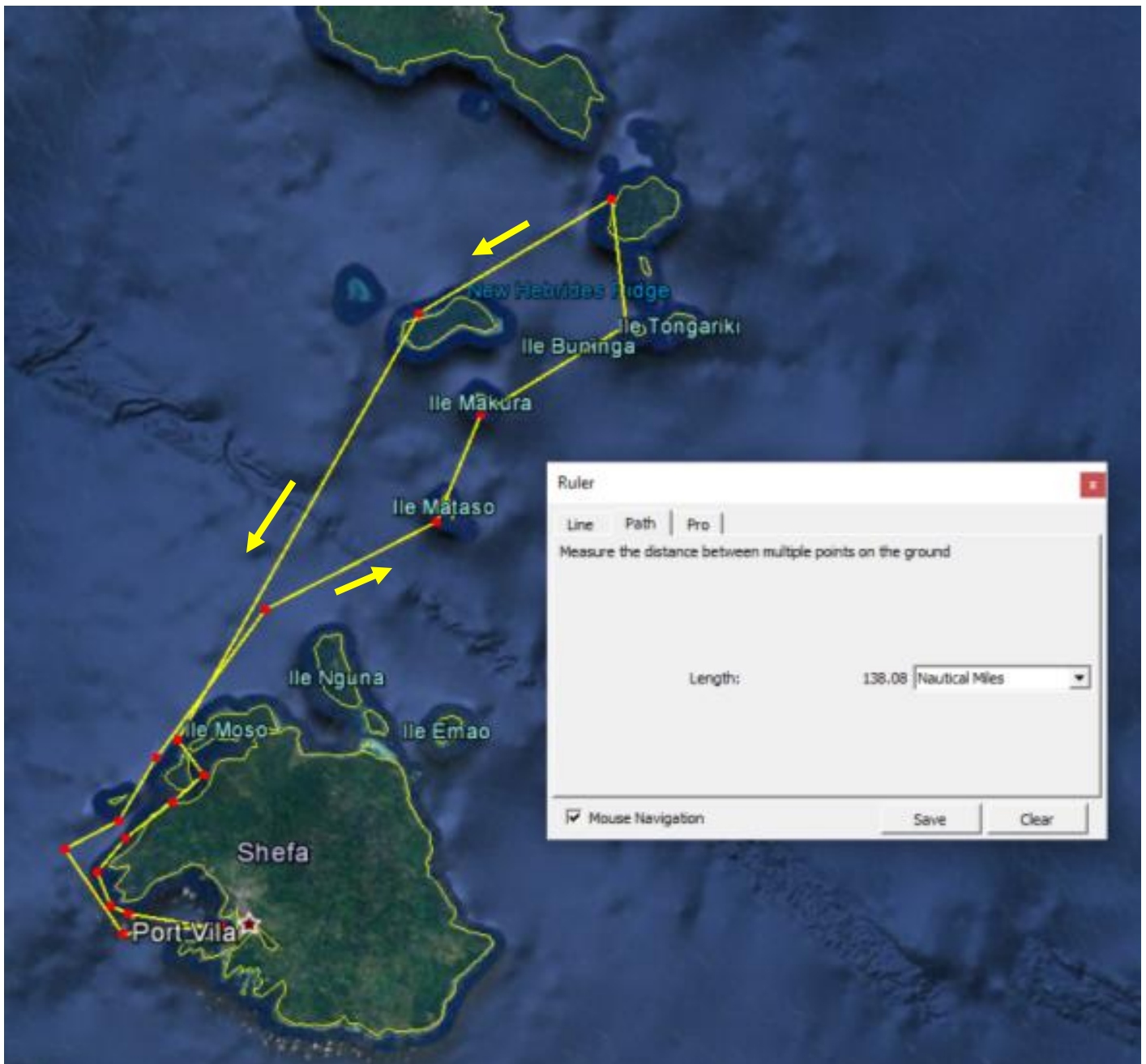
- Sailing crew join Chimere between 13/7 & 18/7 at Waterfront, Port Vila, Vanuatu
- Sailing crew depart Chimere on or after 8/8/17 from Port Vila, Vanuatu at conclusion of the mission
- Sailing crew relocate Chimere to Havannah Harbour on NW coast of Efate between 19/6 & 23/6. (to meet medical team there)
- Medical team travel to Port Vila on Fri 21/7 and are then driven to meet Chimere at Havannah Harbour. They go aboard and are allocated a bunk to obtain rest.
- The medical mission to the nearby islands starts early on the 22/7 with Chimere's departure for Mataso. The later to Makira, Tongariki, Tongoa and Emae
- The medical team must be returned to Havannah around 11:00am on Fri 4<sup>th</sup> Aug so that they can catch their return flights the next day on 5<sup>th</sup> Aug. The medical team will stay the night in Port Vila on the evening of 4/8

**Note:** Volunteer dentists will need to arrive in Vanuatu 2-3 days prior to the commencement of the mission in order to receive appropriate on-site Oral health Survey training and accreditation to ensure continuity and validity of national oral Health Survey results



Details Second Medical Mission	Days	Volunteers Required	Confirmed Team Members	Crew Change Dates	Notes
<b>STAGE 4a</b> <b>Shefa Province</b> Fri 21 July – Sat 5 Aug  15 Days for medical volunteers  Islands of Mataso, Makira, Tongariki, Tongoa, Emae	Approx. 25-30 days for sailors	Captain 1 <sup>st</sup> Mate Coxswain Deckhand Deckhand  Coordinator Dentist Dentist D. Assistant D. Assistant Doctor Nurse Optom O. Assistant	TBA Andrew Latimer TBA TBA TBA  TBA TBA TBA TBA TBA TBA TBA TBA	Embark Pt Vila btwn 13/7/2017 & 18/7/2017 Depart Pt Vila after 8/8/2017	<p>Crew arriving for Stage 4a will need to be aboard between 13/7 – 18/7, however, to assist with transition from earlier crew, it might be advisable for the Captain and 1<sup>st</sup> mate to arrive around 10/7 in order to work with the previous crew in the repair and clean-up phase.</p> <p>Around 19 or 20 July it will be necessary for Chimere to be relocated the 25 miles around to Havannah Harbour. It is here that the medical team will going aboard late on the 21/7, after arriving by plane from Australia around 3:30pm. It will be necessary for the crew to give up their bunks for the medical team to rest this first night</p> <p>Medical team flies into and out of Port Vila. Meet and depart yacht at Havannah Harbour</p> <p>Once aboard the medical team will be allocated a berth to rest for the first 12-24 hours – at least until arrival at the first island.</p> <p>Early on the morning of Sat 22 July Chimere should depart Havannah Harbour for the first of the islands being visited.</p> <p>The islands being visited include Mataso, Makira, Tongariki, Tongoa, Emae</p> <p>It will be important to return the medical team to Havannah Harbour on or before Fri 4/8/2017 to enable them to catch their return flight to Australia on the afternoon of Sat 5/8/2017 By departing early in the morning from the last island - Emae – it will enable the medical team to return to Port Vila early in the afternoon after dropping anchor in Havannah Harbour. The distance is 35 miles, so by departing around 5:30am, arrival at Havannah should be around 12:00noon. In order to ensure an early departure on the morning of 4/8 it might be advisable for the medical team to be allocated bunks aboard for the night of 3/8</p> <p>Accommodation will be arranged for the medical team in Port Vila on the night of 4/8</p> <p>After arriving back at Havannah, the crew can relax for a couple of days. It will then be necessary to relocate Chimere back to the waterfront at Port Vila by the 6<sup>th</sup> or 7<sup>th</sup> Aug.</p>






Melb to Vila return flight approx. \$850

### Melbourne to Port Vila

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Flight 1	Friday, July 21, 2017
Departure:	07:30 Melbourne, Australia - Melbourne Airport, terminal 1
Arrival:	08:55 Sydney, Australia - Kingsford Smith, terminal 3
Airline	Qantas Airways QF 412 <b>e</b>
Fare type:	<a href="#">SMART</a> /Economy Restricted

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 **Change of plane required. Time between flights : 2:00.**

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Flight 2	Friday, July 21, 2017
Departure:	10:55 Sydney, Australia - Kingsford Smith, terminal 1
Arrival:	15:10 Port Vila, Vanuatu - Bauerfield International
Airline	Air Vanuatu NF 11 <b>e</b>
Fare type:	<a href="#">SMART</a> /Economy Restricted

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### Port Vila to Melbourne

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Flight 1	Saturday, August 05, 2017
Departure:	15:20 Port Vila, Vanuatu - Bauerfield International
Arrival:	18:15 Sydney, Australia - Kingsford Smith, terminal 1
Airline	Air Vanuatu NF 10 <b>e</b>
Fare type:	<a href="#">SPECIAL</a> /Economy Restricted

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 **Change of plane required. Time between flights : 3:50.**

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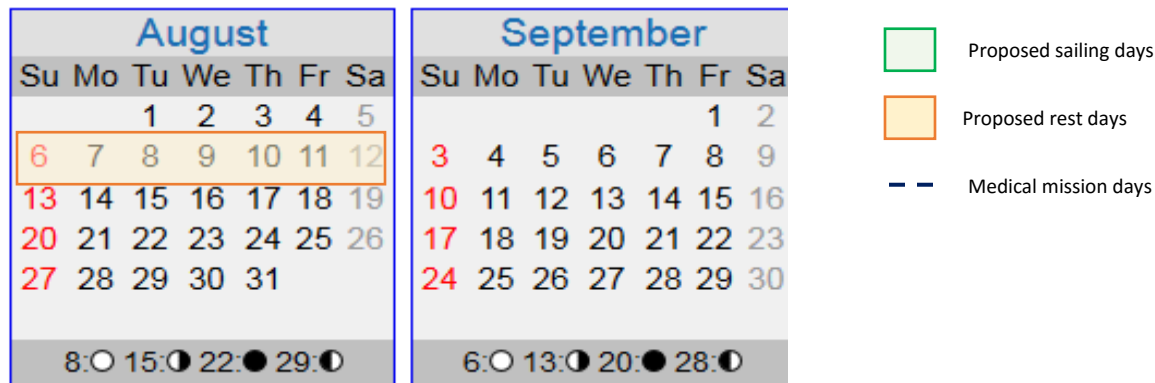
Flight 2	Saturday, August 05, 2017
Departure:	22:05 Sydney, Australia - Kingsford Smith, terminal 3
Arrival:	23:40 Melbourne, Australia - Melbourne Airport, terminal 1
Airline	Qantas Airways QF 497 <b>e</b>

## STAGE 4b Rest & Repair in Port Vila

5 Aug – 12 Aug (11 days)

### Key Points

- After delivering the medical team back to Port Vila on 4/8/17, (so they can catch their flights home the next day on the 5/8/17) crew then relocate Chimere back to Port Vila around the 6<sup>th</sup> or 7<sup>th</sup> of Aug.
- The sailing team can then depart on or after 8/8/17.
- It is important that at least two crew members remain with Chimere while it sits in Port Vila awaiting the next sailing crew.
- The new sailing crew will arrive between 5/8 & 12/8/17.
- Around 14<sup>th</sup> or 15<sup>th</sup> Aug it will be necessary for Chimere to be relocated the 130 miles north to Homo Bay Pentecost Is



Details	Days	Volunteers Required	Confirmed Team Members	Crew Change Dates	Notes
<b>STAGE 4b</b> 5-12 Aug 2017  <b>REST &amp; REPAIR</b> in Pt Vila RELOCATE TO PENTECOST IS.	Approx. 11 days between mission 2&3	Captain 1 <sup>st</sup> Mate Coxswain Deckhand Deckhand	TBA TBA TBA TBA TBA	Embark Pt Vila btwn 5/8/2017 & 12/8/2017	<p>After arriving back at Havannah on or before Fri 4 Aug, so that the medical team can make it into Port Vila on the same afternoon for their flight home the next day, the crew can relax for a couple of days. It will then be necessary to relocate Chimere back to the waterfront at Port Vila by the 6<sup>th</sup> or 7<sup>th</sup> Aug</p> <p>Chimere will then stay at the waterfront, Port Vila, until around 14<sup>th</sup> or 15<sup>th</sup> of August at which time it will be necessary to relocate the 130 miles north to Homo Bay Pentecost so as to meet the next medical team who will be flying into Pentecost on Monday 21<sup>st</sup> Aug (after arriving in Port Vila the previous day)</p> <p>By allowing 5-6 days (ie 15-20 Aug) for this relocation it will be possible for the crew to enjoy several stop-offs on the way north, including Epi Is, SW Bay Malekula, and Ambrym.</p> <p>We have an association with Melbourne potter Alistair Whyte who has a project in SW Bay and so it might be necessary to drop some of his pottery supplies off on the way to Pentecost.</p>



## STAGE 5a – Sail Chimere from Port Vila to Pentecost, then complete Medical Mission 3

12 Aug – 6 Sept (Approx 30 Days)

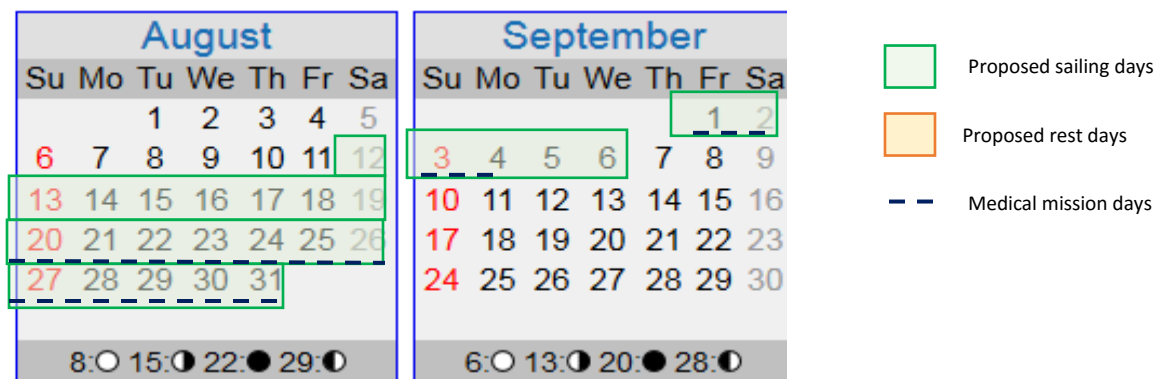
(Sailing team dates)

120 miles

### Key Points

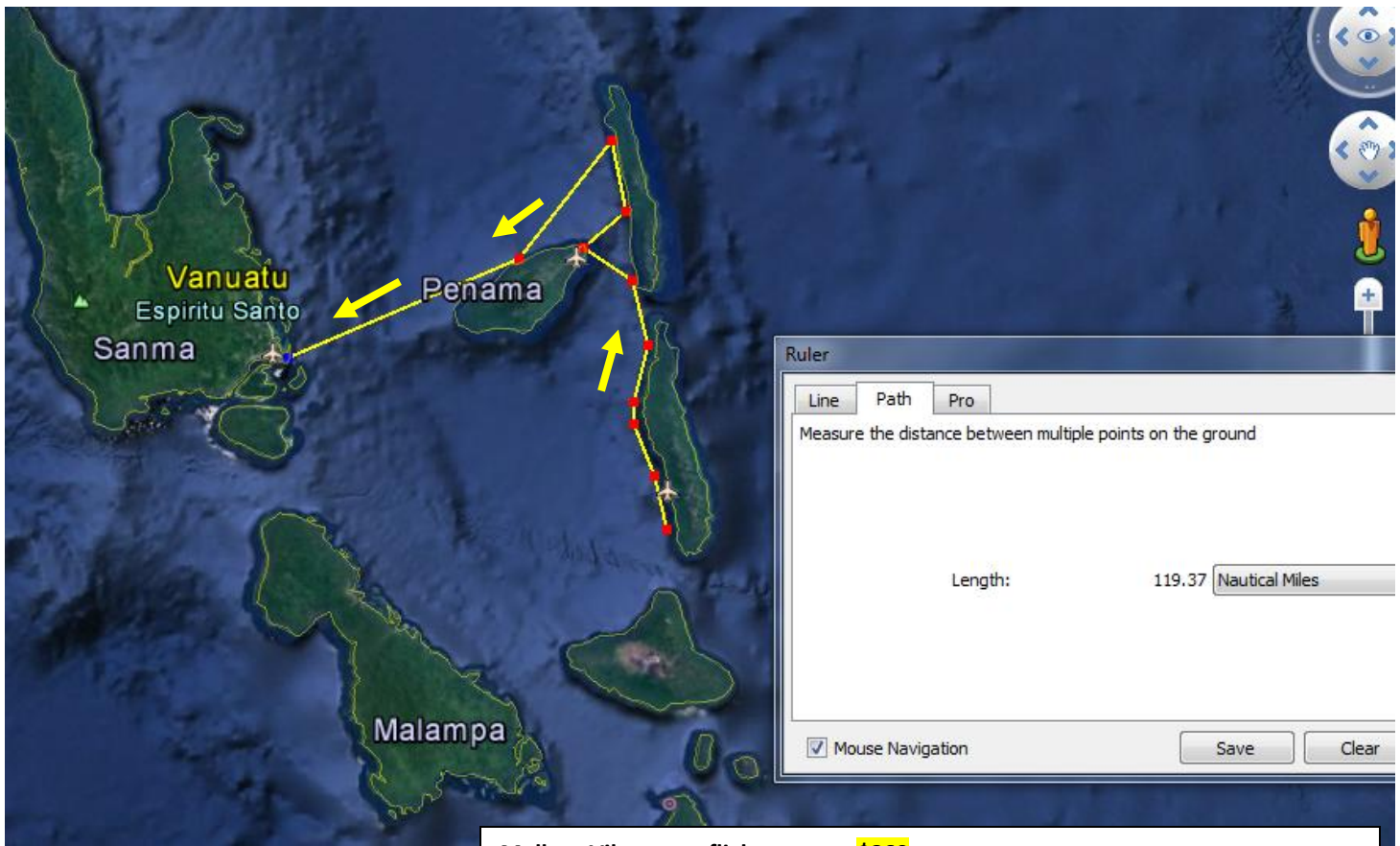
- The new sailing crew will arrive between 5/8 & 12/8/17 and join Chimere at Waterfront, Port Vila, Vanuatu
- Sailing crew depart Chimere on or after 6/9/17 from Luganville, Espiritu Santo Port Vila, Vanuatu
- Around 14<sup>th</sup> or 15<sup>th</sup> Aug it will be necessary for Chimere to be relocated the 130 miles north to Homo Bay Pentecost Is
- Medical team travel to Port Vila on Sun 20/8, stay the night in Port Vila, then fly to Pentecost the next day 21/8/17.
- Chimere meets up with the medical team at Pentecost on 21/8/17 and assists as required.
- The medical team will conduct clinics ashore and Chimere will provide transport up the coast of Pentecost, further north to Maewo Is, then back down to the north coast of Ambae Is
- The mission will conclude with the medical team being delivered back to Luganville (ie Santo) on Sunday 3 Sep so they can catch the 2:50pm flight back to Port Vila. The medical team will then stay the night in Port Vila before flying home the next day; Mon 4<sup>th</sup> Sep
- This last 35 mile leg from Ambae to Luganville (on 3/9/17) will need to be started early, (ie 5:00am) with the medical team ideally staying aboard the previous night (and being allocated a bunk).
- The anchorage in Luganville is in front of the Beachfront Resort in around 4-5m of water.
- A 5:00am departure from Ambae should enable arrival at the beachfront by around 11:00am; adequate time to get everyone to the airport for their 2:50 flight to Port Vila
- If adverse weather is predicted it might be necessary to return a day early to ensure medical team connect with their flight from Santo to Port Vila on Sun 3<sup>rd</sup> Sep

**Note:** Volunteer dentists will need to arrive in Vanuatu 2-3 days prior to the commencement of the mission in order to receive appropriate on-site Oral health Survey training and accreditation to ensure continuity and validity of national oral Health Survey results




Details Third Medical Mission	Days	Volunteers Required	Confirmed Team Members	Crew Change Dates	Notes
<b>STAGE 5a</b> <b>Penama</b> <b>Province</b> Sun 20 Aug – Mon 4 Sep  16 Days for medical teams  Island of Pentecost, Maewo and Ambae	Approx. 30 days for sailors	Captain 1 <sup>st</sup> Mate Coxswain Deckhand Deckhand  Coordinator Dentist Dentist D. Assistant D. Assistant Doctor Nurse Optom O. Assistant	TBA TBA TBA TBA TBA  TBA TBA TBA TBA TBA TBA TBA TBA TBA	Embark Pt Vila btwn 5/8/2017 & 12/8/2017 Depart Luganville after 6/9/2017	<p>Crew arriving for Stage 5a will need to be aboard in Port Vila between 5/8 – 12/8, however, to assist with transition from earlier crew, it would be advisable for the Captain and 1<sup>st</sup> mate to arrive at the earlier date in order to work with the previous crew in the repair and clean-up phase.</p> <p>Around 14<sup>th</sup> or 15<sup>th</sup> Aug it will be necessary for Chimere to be relocated the 130 miles north to Homo Bay Pentecost Is</p> <p>After flying into Port Vila on Sun 20<sup>th</sup> Aug, the medical team will then fly up to Pentecost (ie Lenore airport) the next day, Mon 21<sup>st</sup> Aug.</p> <p>The medical team will then conduct clinics ashore and Chimere will need to liaise and assist as required, providing transport up the coast of Pentecost, further north to Maewo Is, then back down to the north coast of Ambae Is</p> <p>The mission will conclude with the medical team being delivered back to Luganville on Espiritu Santo Is (ie Santo) on Sunday 3 Sep so they can catch the 2:50pm flight back to Port Vila. The medical team will stay the night in Port Vila before flying home the next day; Mon 4<sup>th</sup> Sep</p> <p>This last leg (from Ambae to Luganville should be around 35 miles) so an early start, with the medical team having stayed aboard the previous night (and being allocated a bunk) would be advisable. The anchorage in Luganville is in front of the Beachfront Resort in around 4-5m of water.</p> <p>A 5:30am departure from Ambae should enable arrival at the beachfront by around 11:00am; adequate time to get everyone to the airport for their 2:50 flight to Port Vila</p> <p>If adverse weather is predicted it might be necessary to return a day early to ensure medical team connect with their flight from Santo to Port Vila on Sun 3<sup>rd</sup> Sep</p>






Melb to Vila return flight approx. **\$860**  
 Port Vila to Lonorore, Pentecost, Mon 21 Aug **\$160**  
 Santo to Port Vila, Sun 3 Sep, **\$190**


#### Melbourne to Port Vila

Flight 1 Sunday, August 20, 2017  
 Departure: 07:00 Melbourne, Australia - Melbourne Airport, terminal 1  
 Arrival: 08:25 Sydney, Australia - Kingsford Smith, terminal 3  
 Airline Qantas Airways QF 408   
 Fare type: [SMART](#)/Economy Restricted Aircraft: Airbus Industrie A330-200

✈ Change of plane required. Time between flights : 2:30.

Flight 2 Sunday, August 20, 2017  
 Departure: 10:55 Sydney, Australia - Kingsford Smith, terminal 1  
 Arrival: 15:10 Port Vila, Vanuatu - Bauerfield International  
 Airline Air Vanuatu NF 11   
 Fare type: [SMART](#)/Economy Restricted Aircraft: Boeing 737-800

#### Port Vila to Melbourne

Flight 1 Monday, September 04, 2017  
 Departure: 07:00 Port Vila, Vanuatu - Bauerfield International  
 Arrival: 09:55 Sydney, Australia - Kingsford Smith, terminal 1  
 Airline Air Vanuatu NF 10   
 Fare type: [SMART](#)/Economy Restricted Aircraft: Boeing 737-800

✈ Change of plane required. Time between flights : 2:05.

Flight 2 Monday, September 04, 2017  
 Departure: 12:00 Sydney, Australia - Kingsford Smith, terminal 3  
 Arrival: 13:35 Melbourne, Australia - Melbourne Airport, terminal 1

#### Luganville to Port Vila

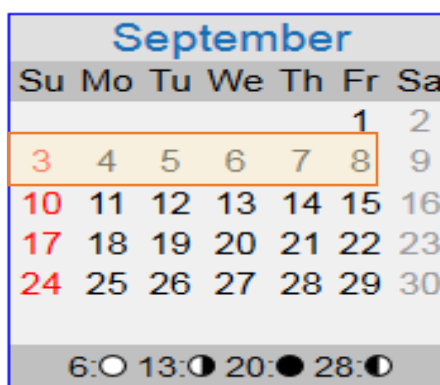
Flight 1 Sunday, September 03, 2017  
 Departure: 14:25 Luganville, Vanuatu - Santo Pekoa International  
 Arrival: 15:15 Port Vila, Vanuatu - Bauerfield International  
 Airline Air Vanuatu NF 209   
 Fare type: [FLEXI](#)/Economy

## STAGE 5b Rest & Repair in Luganville, Espiritu Santo

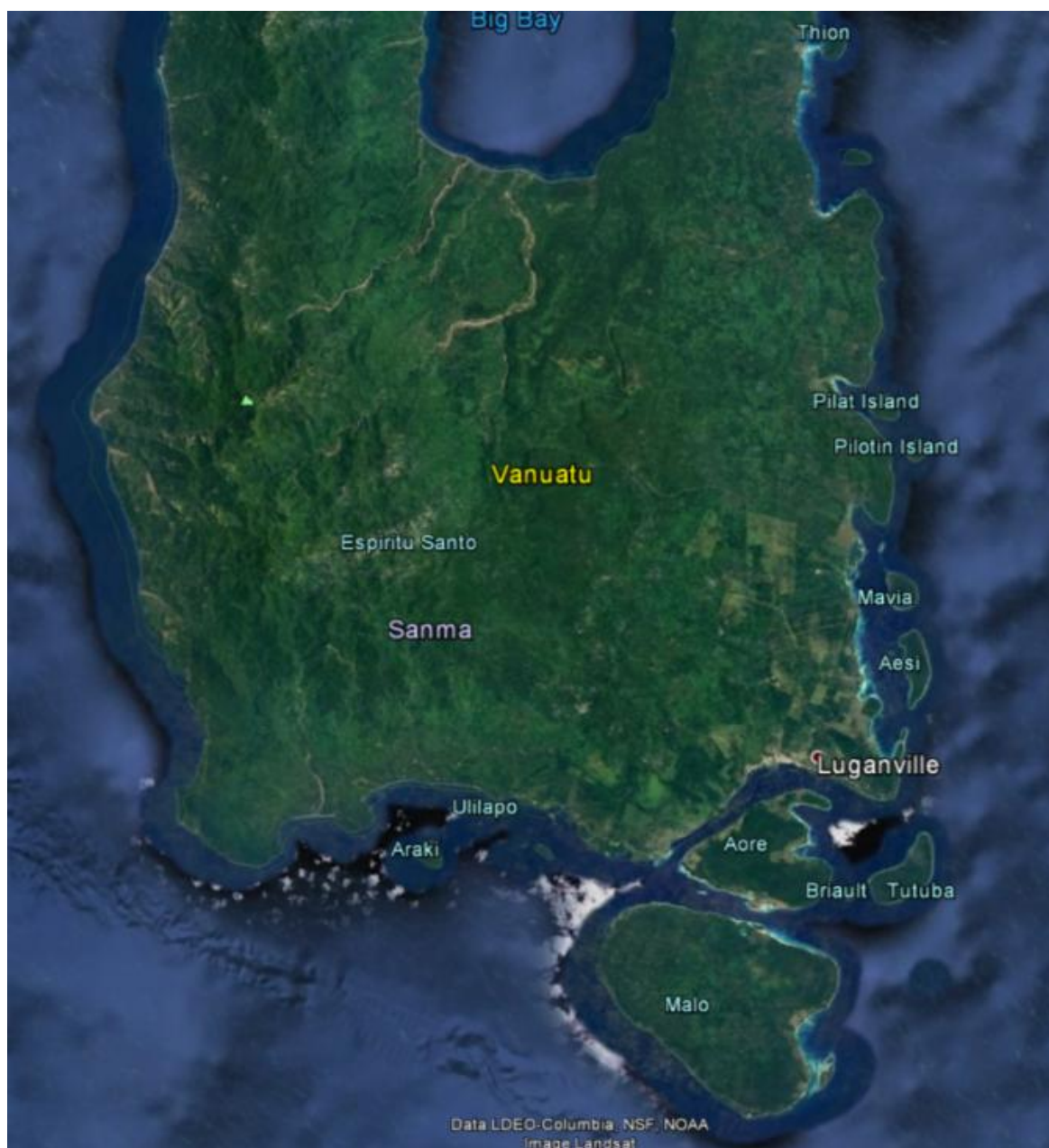
3 Sep – 6 Sep (5 days)

### Key Points

- After delivering the medical team back to Luganville for the morning of Sun 3/9/17 the sailing crew can depart on or after 6/9/17.
- The new sailing team will arrive between 3/9 and 6/9
- The anchorage is off the Beachfront Resort, or if the weather is unfavourable, across the Second Channel in the lee of Aore Is.
- It will be necessary to ensure Chimere is repaired and ready for the next most arduous mission to the northern islands



Details	Days	Volunteers Required	Confirmed Team Members	Crew Change Dates	Notes
<b>Third Medical Mission</b>					
<b>STAGE 5b</b> Sun 3 <sup>rd</sup> Sep – Fri 8 <sup>th</sup> Sep 2017  <b>REST &amp; REPAIR</b> in Luganville, Espiritu Santo	Approx. 5 days between mission 3&4	Captain 1 <sup>st</sup> Mate Coxswain Deckhand Deckhand	TBA TBA TBA TBA TBA	Embark Luganville btwn 3/9/2017 & 6/9/2017	After delivering the medical team to Luganville to ensure they catch their flight back to Port Vila on Sunday 3 September's 2:50pm flight, it will be necessary to remain anchored off the Beachfront Resort, (or across the Second Channel at Aore Is. if the weather is adverse) so as to be ready for the next medical team who will arrive on the afternoon of Fri 8 <sup>th</sup> Sep. Departing crew can leave after 6 <sup>th</sup> Sep and might use this time to do snorkeling or diving, assuming work aboard Chimere has been completed.



## STAGE 6 Chimere completes Medical Mission 4

6 Sep – 25 Sep OR 6 Oct (Approx 22-33 days)  
300 miles

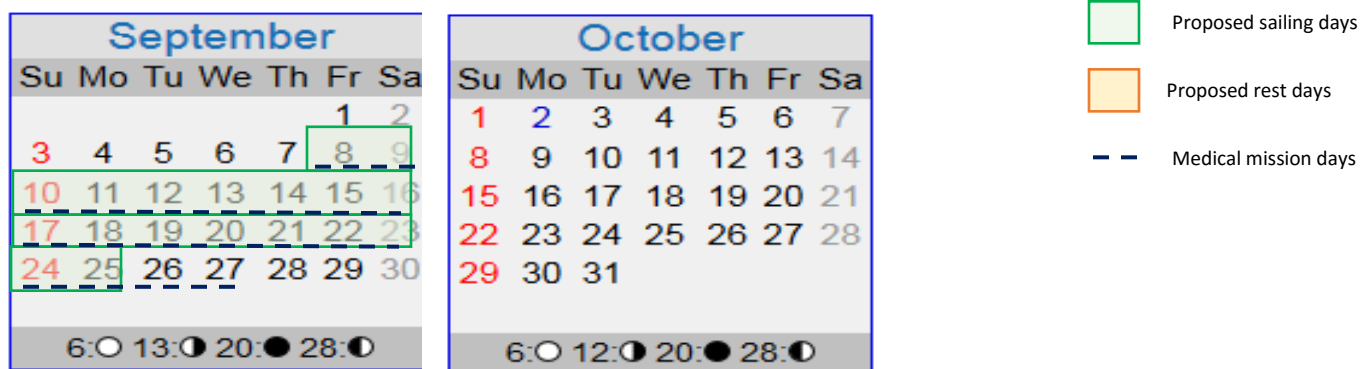
(Sailing team dates)

### Key Points

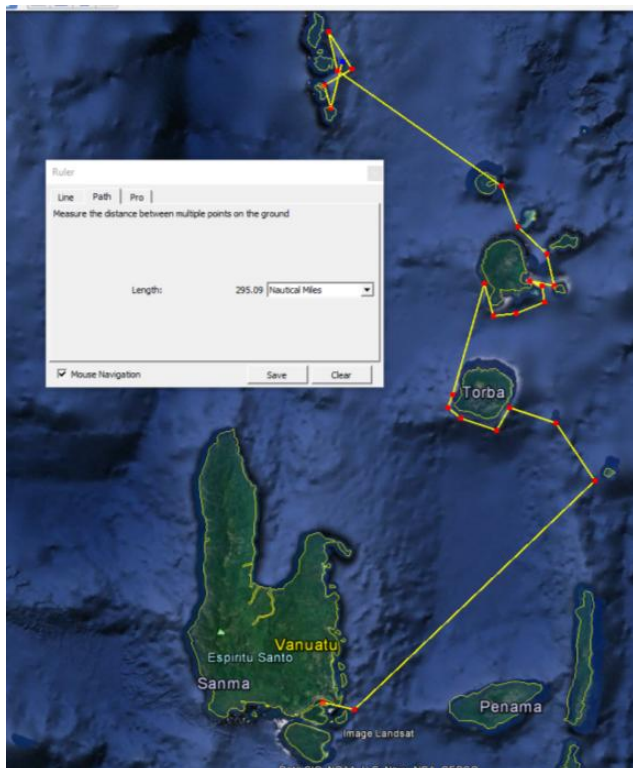
- The new sailing team will arrive between 3/9 and 6/9 and join Chimere at Luganville, Santo
- Members of the sailing team will either depart Chimere at the northern island of Loh (along with the medical team) on 25/9 OR return to Port Vila aboard and depart on or after 6/10/17
- It will be important to ensure sufficient crew remain on board to enable Chimere to be returned from Loh to Port Vila.
- The medical team will fly into Port Vila on Friday 8/9 and then onto Santo the same day. They will arrive in Luganville at around 5:30pm and be transferred directly to Chimere
- After transfer aboard Chimere the medical team will each be allocated a bunk to ensure they get maximum rest. Weather permitting Chimere will then set off around 9:00pm for an overnight sail to the first island Merelava 85 miles NE of Luganville
- From Merelava the mission will head north through the Banks and Torres according to the mission schedule, finally arriving at the island of Loh in time for the medical team to catch their 11:40am flight back to Port Vila on Mon 25/9. They will then spend two nights in Port Vila before flying back to Aust on Wed 27/9.
- Some of the sailing team may wish to also fly home from Loh, with the medical team, subject to there being sufficient seats on the plane.
- New crew should be joining Chimere in Loh for the return sail.

**Note:** Volunteer dentists will need to arrive in Vanuatu 2-3 days prior to the commencement of the mission in order to receive appropriate on-site Oral health Survey training and accreditation to ensure continuity and validity of national oral Health Survey results

AND The specific islands visited on this mission may alter, depending on the reach of other medical teams. Specifically, MSM may NOT need to extend its reach to the northern Torres islands if these islands are covered adequately by Liz Webb (from NZ) aboard Ken Short's vessel Trinity castle.



Details Fourth Medical Mission	Days	Volunteers Required	Confirmed Team Members	Crew Change Dates	Notes
<b>STAGE 6 Torba Province</b> Fri 8 Sep – Wed 27 Sep 19 Days  Islands of Merelava, Merig, Gaua, VanuaLava, Mota, Motalava, Ureparapara, Loh, Hiu, Tegua, Toga (Start in Luganville Santo, finish in Loh where the medical team fly out to Port Vila on Mon 25/9 and then to Aust on Wed 27/9 afdter spending two nights in Port Vila	Approx. 22 days if leaving at Loh Or 33 days for sailors leaving at Port Vila	Captain 1 <sup>st</sup> Mate Coxswain Deckhand Deckhand  Coordinator Dentist Dentist D. Assistant D. Assistant Doctor Nurse Optom O. Assistant	Rob Latimer Matt Bryant ? TBA Matt Latimer ? Mike Clarke ? John Land  TBA Barry Stewart? TBA TBA TBA Graeme Duke? Jeremy Duke ? TBA TBA  Reserve sailors Ramon Rees	Embark Luganville btwn 3/9/2017 & 6/9/2017 And depart: 1. From Loh on Mon 25/9 Or 2. From Port Vila after Fri 6 Oct	The medical team will fly into Port Vila and then onto Santo on Friday 8 <sup>th</sup> Sep. They will arrive in Luganville at around 5:30pm.  After transfer aboard Chimere the medical team will each be allocated a bunk to ensure they get maximum rest. Weather permitting Chimere will then set off around 9:00pm for an overnight sail to the first island Merelava 85 miles NE of Luganville.  From Merelava the mission will head north through the Banks and Torres according to the mission schedule, finally arriving at the island of Loh in time for the medical team to catch their 11:40am flight back to Port Vila on Mon 25/9. They will then spend two nights in Port Vila before flying back to Aust on Wed 27/9.  Some of the sailing team may wish to also fly home from Loh, with the medical team, subject to there being sufficient seats on the plane





**Melb to Santo on 8 Sep 2017, flight approx. \$550**  
**Loh to Port Vila, Mon 25 Sep, \$275**  
**Port Vila to Melb, Wed 27, \$459**

### Melbourne to Luganville

Flight 1      Friday, September 08, 2017  
 Departure:      07:30    Melbourne, Australia - Melbourne Airport, terminal 1

### Port Vila to Melbourne

Flight 1      Wednesday, September 27, 2017  
 Departure:      15:20    Port Vila, Vanuatu - Bauerfield International  
 Arrival:      18:15    Sydney, Australia - Kingsford Smith, terminal 1  
 Airline      Air Vanuatu NF 10 **e**  
 Fare type:      [SMART](#)/Economy Restricted  
 Aircraft:      Boeing 737-800

 **Change of plane required. Time between flights : 3:50.**

Flight 2      Wednesday, September 27, 2017  
 Departure:      22:05    Sydney, Australia - Kingsford Smith, terminal 3  
 Arrival:      23:40    Melbourne, Australia - Melbourne Airport, terminal 1  
 Airline      Qantas Airways QF 497 **e**  
 Fare type:      [SMART](#)/Economy Restricted  
 Aircraft:      Boeing 737-800 (Winglets)

Legend: **e** = e-ticket option    AUD = Australian Dollar

### price

passengers	flights	taxes
1 adult(s)	x	(300.00 + 159.31) = 459.31 AUD
<b>total for all passengers</b>		<b>459.31 AUD</b>

[Terms and Conditions](#)

The fare price is not guaranteed until you have paid for your flights by credit card and received your e-ticket for travel. Last day to ticket: Friday, January 20, 2017

[Fare Basis Information](#)

<b>total for all passengers</b>	<b>275.20 AUD</b>
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## STAGE 7 Relocation of Chimere from Loh (Torres) to Port Vila (Efate)

Mon 25 Sep – Fri 6 Oct (11 days)

(Sailing team dates)

350 miles

### Key Points

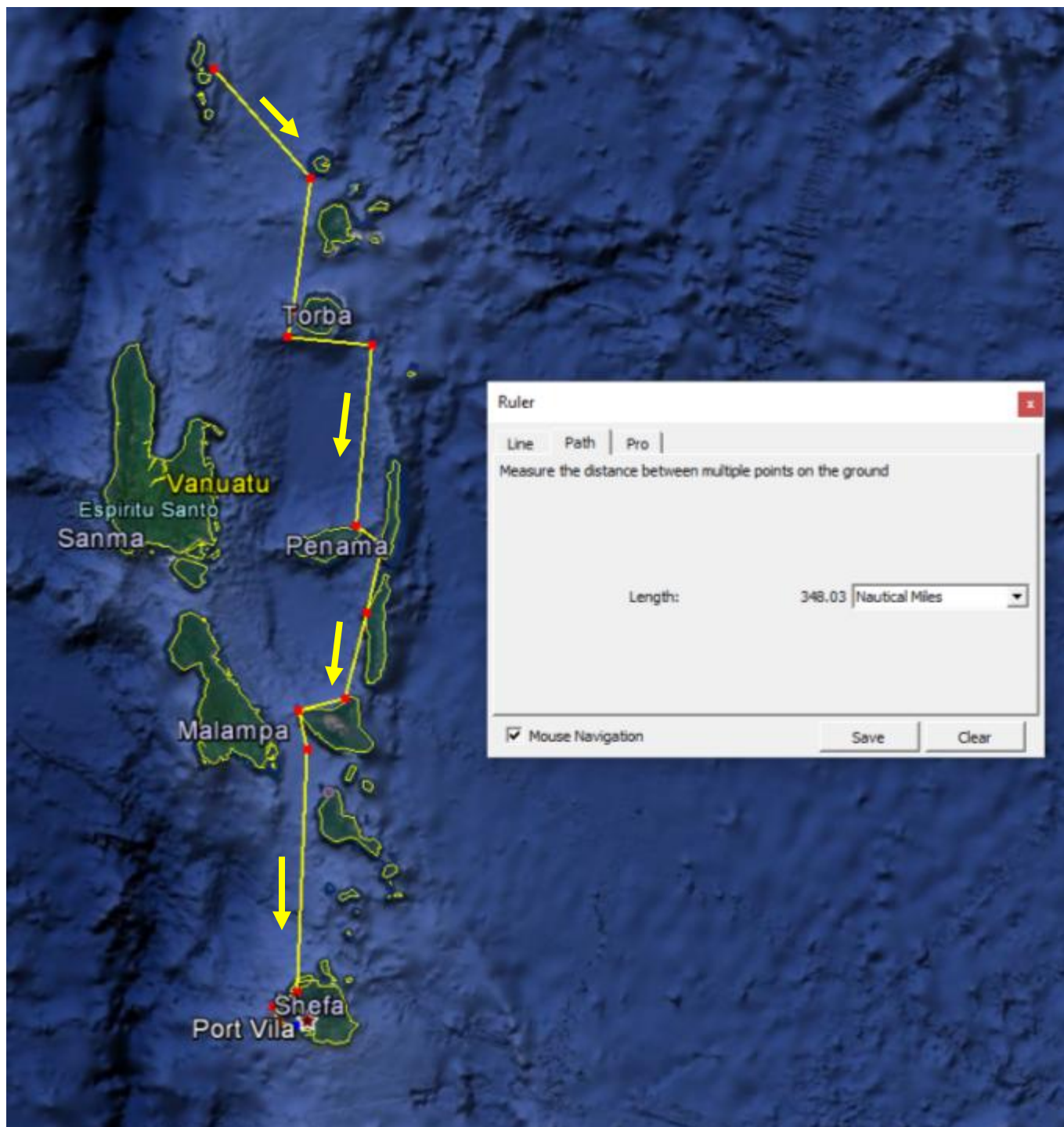
- Once the medical team flies out of Loh on 25/9/2017 and new crew members are taken aboard, Chimere will be free to commence the 350 mile return sail from Loh to Port Vila in a relaxed manner
- It will however be into the prevailing SE winds and so the course and timing will take this into account as much as possible.
- With the medical team having departed on Mon 4 Sept, there is scope for 3-4 extra paying passengers to join us on this leg

September						
Su	Mo	Tu	We	Th	Fr	Sa
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
6:○ 13:○ 20:● 28:●						

October						
Su	Mo	Tu	We	Th	Fr	Sa
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				
6:○ 12:○ 20:● 28:●						

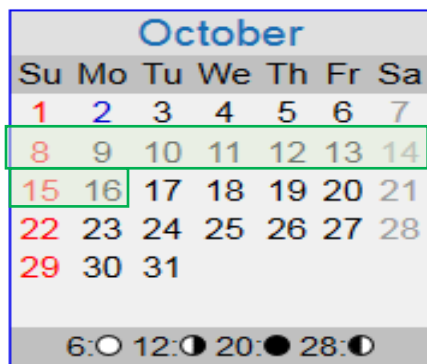
- Proposed sailing days
- Proposed rest days
- — Medical mission days

Details STAGE 7	Days	Volunteers Required	Confirmed Team Members	Crew Change Dates	Notes
<b>STAGE 7</b> Mon 25 Sep – Fri 6 Oct Return from Loh to Port Vila (Efate)  11 Days	11 days Return from Loh to Port Vila	Captain 1 <sup>st</sup> Mate Coxswain Deckhand Deckhand Guest 1 Guest 2 Guest 3	Rob Latimer Matt Bryant ? Matt Latimer ? James Latimer ? TBA TBA TBA	Those joining the return cruise at Loh Is. will join Chimere on Mon 25/9 And leave from Port Vila after Fri 6 Oct	The 350 mile return sail from Loh to Port Vila will be a relaxing stage with no clinic or mission responsibilities. It will however be into the prevailing SE winds and so the course and timing will take this into account as much as possible. With the medical team having departed on Mon 4 Sept, there is scope for 3-4 extra paying passengers to join us on this leg



## SUPPORTERS TOUR – Chimere based in Port Vila doing day-trips

- A crew of 2-3 is required to live aboard Chimere for the 10 days of the Supporters Tour to both maintain the boat and take passengers out on day trips



- Proposed sailing days
- Proposed rest days
- Medical mission days

Details SUPPORTERS TOUR	Days	Volunteers Required	Confirmed Team Members	Crew Change Dates	Notes
SUPPORTERS TOUR Fri 6 Oct – Mon 16 Oct 2017 10 days	10 days	Assume 40 attendees	Rob Latimer TBA	Fri 6-16 Oct - 16	A crew of 2-3 is required to live aboard Chimere for the 10 days of the Supporters Tour to both maintain the boat and take passengers out on day trips

Supporters Tour is being planned in order to

- Engage more with key supporters and donors
- Further develop the Village Experience Tour and use of the BEST Toilet (village of Paunangisu)
- Generate business income for the village and local North Efate tour operators
- Raise money for the MSM 2017 mission.

<http://bestpublictoilet.org/wp-content/uploads/2016-06-North-Efate-Tour-Trail-Flyer.pdf>








## Supporters Tour Proposed Flights

Actual [proposed] dates to be Fri Oct 6- Monday 16 Oct 2017

### *Melbourne to Port Vila*

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<b>Flight 1</b>	<b>Friday, October 06, 2017</b>
<b>Departure:</b>	08:30 Melbourne, Australia - Melbourne Airport, terminal 1
<b>Arrival:</b>	09:55 Sydney, Australia - Kingsford Smith, terminal 3
<b>Airline</b>	Qantas Airways QF 416 
<b>Fare type:</b>	<a href="#">SMART</a> /Economy Restricted

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**Change of plane required. Time between flights : 2:00.**


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<b>Flight 2</b>	<b>Friday, October 06, 2017</b>
<b>Departure:</b>	11:55 Sydney, Australia - Kingsford Smith, terminal 1
<b>Arrival:</b>	15:10 Port Vila, Vanuatu - Bauerfield International
<b>Airline</b>	Air Vanuatu NF 11 
<b>Fare type:</b>	<a href="#">SMART</a> /Economy Restricted

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### *Port Vila to Melbourne*

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<b>Flight 1</b>	<b>Monday, October 16, 2017</b>
<b>Departure:</b>	07:00 Port Vila, Vanuatu - Bauerfield International
<b>Arrival:</b>	10:55 Sydney, Australia - Kingsford Smith, terminal 1
<b>Airline</b>	Air Vanuatu NF 10 
<b>Fare type:</b>	<a href="#">SMART</a> /Economy Restricted

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**Change of plane required. Time between flights : 2:05.**

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<b>Flight 2</b>	<b>Monday, October 16, 2017</b>
<b>Departure:</b>	13:00 Sydney, Australia - Kingsford Smith, terminal 3
<b>Arrival:</b>	14:35 Melbourne, Australia - Melbourne Airport, terminal 1
<b>Airline</b>	Qantas Airways QF 435 
<b>Fare type:</b>	<a href="#">SMART</a> /Economy Restricted

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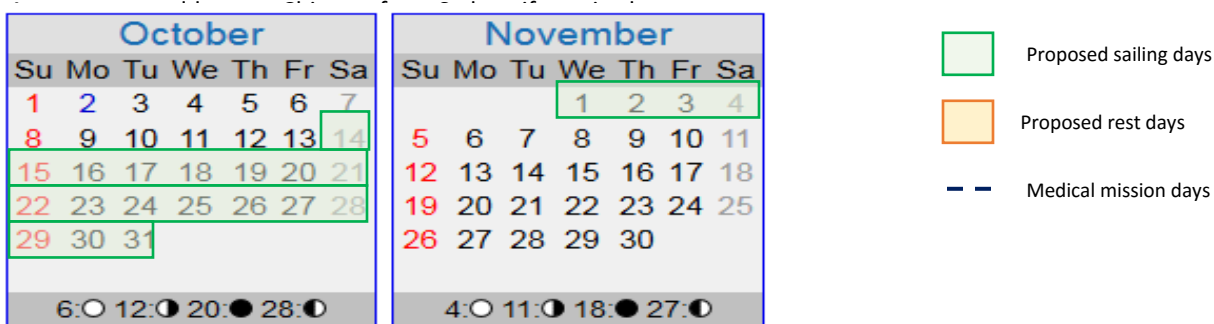
## STAGE 8 Return Voyage from Port Vila to Melbourne (via Syd or/an Coffs Harbour)

**Mon 14 Oct – Sat 4 Nov (20 days)**

**(Sailing team dates)**

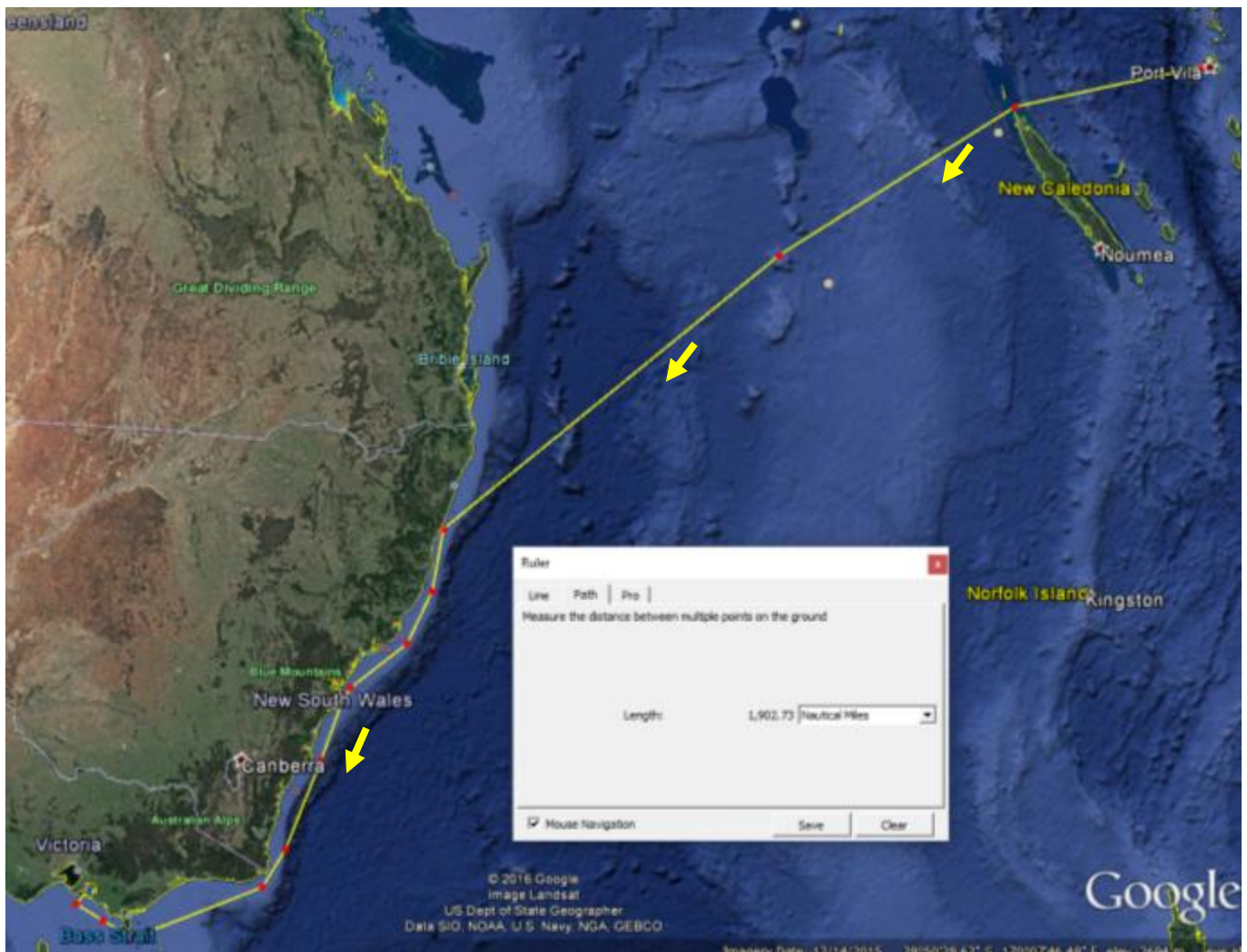
2,000 miles

- New sailing team to embark between 6/10 & 14/10/2017
- The sailing team will depart either in Sydney (where customs will be cleared) or Melbourne upon final return
- If weather is adverse there is a chance that Chimere might make landfall at Coffs Harbour (and clear customs there) before sailing onto Sydney
- Chimere is expected to depart Port Vila following the Supporters Tour, on or after Mon 16/10. The course taken could be via the north of New Caledonia with arrival in Sydney approx. 11-12 days later.



Details	Days	Volunteers Required	Confirmed Team Members	Crew Change Dates	Notes
<b>STAGE 8</b> Mon 16 Oct–Sat 4 Nov 2017 Return Voyage from Port Vila to Melbourne (via Syd) 20 days	20 days	Captain 1 <sup>st</sup> Mate Coxswain Deckhand Deckhand	Bob Brenac ? Cam Heathwood Carl Warner* TBA TBA	Embark at Pt Vila 14/10/17 Depart at Syd around 29/10/17 or Melb around 4/11/17	Chimere is expected to depart Port Vila following the Supporters Tour, on or after Mon 16/10. The course taken could be via the north of New Caledonia with arrival in Sydney approx. 11-12 days later. A new crew could return Chimere from Sydney if required.

\* As per email of 18/1/17, still to be 100% confirmed



## APPENDIX 1      Proposed Refit & Maintenance

Necessary re-fit and maintenance program aboard Chimere (Capital costs met by boat owners Rob Latimer & Barry Crouch)

Category & Task	Details	Completion Date	Cost (Estimate)
Hull below water line	Hull clean, check & re-paint below water		\$ 1,500
Hull above water line	Hull, clean & re-paint above water line		\$ 3,000
Deck	Rust spot treatment on deck and hull, \$250 Deck re-paint, \$1,500 Replace deck hatches, \$5,000 Build new deck box under boom, \$1,500 Treat rust on coach house roof, \$150 Treat rust in anchor well, \$150 Sand and oil toe rail, \$250		\$8,800
Standing rigging	Rigging check & survey, \$7,000 New roller furler for wking jib, \$3000		\$10,000
Running rigging	Repair sheet cars, \$500 New main sheet brake, \$500 Recondition winches, \$500 New self-tailing reefing winch on starboard side (consider electric), \$2,500		\$4,000
Sails	New staysail, \$4,000 New boom coach house sun shade, \$2,000 Check existing sails & cars, \$1,500		\$7,500
Electronics	Consider Sat Phone internet connection & yacht tracking system in addition to renewing SailMail system		\$1,000
Communication	Consider Sat Phone internet connection & yacht tracking system in addition to renewing SailMail system		
Engine	Service motor, gen, anchor winch		\$1,500
240v Power	Service existing equipment Buy 2kva Honda petrol generator		\$2,500
12v Power	New house & engine batteries		\$2,000
Water maker	Service equipment and ensure sufficient spares aboard		\$500
Storage & Fuel	Install saloon filling cap in floor		
Lighting	Fit deck lights on spreaders Fit cockpit lights		\$500
Galley	New gas stove		\$1,500
Ground tackle	New anchor chain 13mm x 110m, \$2,500 New anchor winch switch, \$500 Mount kedge anchor at stern, \$1,000		\$4,000
Tenders	Repair small hole in alum floor of large tender, \$250 Service outboards, \$750 Service 6man life raft, \$500 Recondition davit system for securing elevated dinghy, \$1,000		\$2,500
Cockpit Dodgers	New companionway dodger cover Repair cockpit cover		\$3,000
Safety	New inflatable life jackets New dan buoy		\$1,500
Fittings	New boarding ladder port side (Consider asking Bruce to make out of aluminum		\$2,000
<b>TOTAL</b>			<b>\$57,300</b>

Usual Expenses				Cost (Estimate)
Marina Berth Fees	In Oct each year			\$ 8,000
Insurance	In Sep each year			\$ 2,500
<b>TOTAL</b>				<b>\$10,500</b>

Additional costs associated with conducting the MSM 2017 Vanuatu mission will be incurred such as:

- Bluewater marine cover (previously donated by insurer Club marine)
- Hire of additional 10 person life raft
- Fuel, diesel & petrol
- Sat phone hire
- Sail mail subscription

Mission costs will be incorporated into the mission budget described elsewhere in this report



## APPENDIX 2      Finance & Budgeting

A Mission Budget is currently being developed by MSM coordinator, Mike Clarke on the basis that no Government funding will be received via program partner Uniting World.

The sources of funding for the MSM Vanuatu 2017 Mission are expected to be as follows:

- Boat owners, Robert & Barry for vessel related costs
- Fund raising events
- General Donations
- Supporters Tour 2017 “profit”
- Mission volunteers (crew & medical)
- External institutional sponsorship
- Possible documentary film production

## APPENDIX 3      Volunteers

It is expected that many previous sailing and medical volunteers will again assist with the 2017 mission. It is expected that most volunteers will fly to Vanuatu on a Friday and return on a Saturday (as shown below)

Most of the dates shown in this report are for the Volunteer Medical Teams. It is envisaged that the sailing volunteers will arrive approx. one week before and remain one week after the medical teams in order to relocate the vessel or conduct maintenance.

### Meeting Mission Costs through Volunteer Donations

It is hoped that donations provided by each volunteer, both sailing and medical, will contribute substantially to the overall cost of the mission.

Mission costs include, food, fuel, local health worker transport and costs, accommodation, medical supplies and consumables, communications, safety equipment, Government charges, etc

Medical Sailing Ministries do not have tax deductible status, so Mission Volunteer Donations are not tax deductible. Where involvement can be seen as “professional development” then you may be able to claim part of the cost as a tax deduction. You will need to talk with your accountant or tax adviser to confirm this.

As a guide, the overall cost for each volunteer is estimated to around \$2,000 - \$3,500, as shown in the following table:

Cost Item	Cost range	Cost average
International return flights	\$750 - \$1,400	\$1,075
Local flight (where applicable)	\$250 - \$ 500	\$ 375
Mission volunteer donation – sailor	\$750 - \$1,500	\$1,125
Mission volunteer donation – medical	\$500 - \$1,250	\$ 875
Additional personal expenses	\$300 - \$1,500	\$ 900

The key cost variable include:

- Whether your mission includes an internal flight
- How much additional spending you choose to do while in Vanuatu
- Whether you are a medical volunteer on a short mission (ie 2-3 wks), or a sailing volunteer on a long mission 4wks +

### Volunteer Travel - Example flights

Depart	Fridays From Melb/Syd and arrive in Port Vila on a Friday afternoon
Return	Saturday to Melb/Syd from Port Vila on a Saturday evening
OR	
Return	Wednesdays to Melb/Syd from Port Vila on a Wednesday evening

## APPENDIX 4      Sailing Volunteer Guidelines

In most cases, volunteers will need to have past sailing experience, although enthusiasm and the right attitude can make up for a lack of boating skills to some extent.

Of course it's important to know how you are affected (if at all) by seasickness, because to state the obvious, seasickness can not only ruin your enjoyment of the mission, it can also prevent you from performing your tasks as expected, putting added strain on others.

To help you determine whether the mission is for you, we have detailed the key roles, skills and responsibilities making up a full ships complement.

ROLE	SKILLS	RESPONSIBILITIES
<b>Skipper (SKP)</b>  Potential volunteers	<ul style="list-style-type: none"> <li>- Extensive sailing experience including the command of similar vessels on extended voyages</li> <li>- Knowledge of normal boat systems (sails, engine, fuel, water, navigation, rigging, safety, electrics etc)</li> </ul>	<ul style="list-style-type: none"> <li>- Safety of ship, crew, passengers and cargo</li> <li>- Enjoyment of all onboard</li> <li>- Ensure medical transport commitments to the Vanuatu Prevention of Blindness project are met</li> <li>- Navigation and course planning</li> <li>- Maintain ships log</li> <li>- Maintain equipment on board in a serviceable condition</li> <li>- Maintain sufficient stores of food, water and fuel</li> </ul>
<b>First Mate (FMT)</b>  Potential volunteers	<ul style="list-style-type: none"> <li>- Much the same as for the skipper, (above) since the objective is for the roles to almost be interchangeable should circumstances dictate.</li> </ul>	<ul style="list-style-type: none"> <li>- Assist the skipper with above responsibilities according to skills and experience.</li> </ul>
<b>MSM Mgr (MSM)</b>  Potential volunteers	<ul style="list-style-type: none"> <li>- Sailing experience</li> </ul>	<ul style="list-style-type: none"> <li>- Assist the skipper with above responsibilities according to skills and experience.</li> <li>- Organise medical team cargo</li> <li>- Maintain ship's safe and financial accounts</li> <li>- Maintain regular communications (eg daily blog)</li> <li>- Liaise with Vanuatu Prevention of Blindness Project</li> </ul>
<b>Cook (COO)</b> Potential volunteers	<ul style="list-style-type: none"> <li>- Ability to cook at sea</li> <li>- Sailing experience useful</li> </ul>	<ul style="list-style-type: none"> <li>- Ensure meals are prepared as required</li> <li>- Maintain ship's food stores and re-supply as required</li> </ul>
<b>Deckhand (DKD) &amp; Coxswain</b> Potential volunteers	<ul style="list-style-type: none"> <li>- Sailing experience</li> </ul>	<ul style="list-style-type: none"> <li>- Assist the skipper with above responsibilities according to skills and experience.</li> </ul>
Applies to all	<ul style="list-style-type: none"> <li>- Positive, friendly, caring attitude</li> </ul>	<ul style="list-style-type: none"> <li>- Assist the skipper with above responsibilities according to skills and experience.</li> <li>- Assist the cook when conditions require</li> <li>- Assist medical teams</li> <li>- Maintain a clean ship</li> </ul>

It is expected that the survey will be divided into two regions:

- 1 Easily accessible areas, such as Efate, Tanna, Santo and Pentecost, to be accessed by local planes and vehicle, and
- 2 Remote areas, such as Futuna, Mota, Gaua etc. (This initial mission plan proposes that Chimere visit a total of 21 remote islands)

### Vanuatu National Oral Health Survey - 2017

#### Proposer:

Dr Barry Stewart, BDSc, LDS, MDSc, FRACDS. Melbourne, VIC, Australia. Dental Advisor, PCV Health, Vanuatu Dental Care.

#### The Issue:

There is anecdotal evidence backed up by pilot research studies on dental caries prevalence in grade 1 primary school children in Port Vila (Kawenu PS) and North Efate (Manua PS), in Sola (Arep PS) and isolated islands in the Banks/Torres islands in 2013, indicating that there is a strong association between dental caries prevalence and shop access (Figs. 1, 2).

#### Pilot research:

Dental decay was found to be extremely high in Kawenu PS, very high in Manua PS, and high in Arep PS, elsewhere much lower due to reduced access to sucrose in processed foods and beverages. There was little evidence of dental treatment in any of the children and many were affected by pain, loss of sleep and missed school days.

The cause of high dmft index in Kawenu and Manua primary schools is most likely lack of oral health education, low fluoride exposure, poor oral hygiene and exposure to increased consumption of sucrose in the diet. The observed high untreated component (dt) in this cohort of grade 1 school children is due to the estimated high incidence of dental caries coupled with the scarce human resources and facilities available to address the problem

**Fig. 1: Caries prevalence pilot surveys Grade 1 children, 2013 - sample size**  
Examiner: Dr Barry Stewart

Shop access:		
Kawenu PS, Port Vila	Very easy	n = 20
Manua PS, North Efate	Easy	n = 20
Arep PS, Sola (Vanua Lava)	Moderate	n = 21
Vureus Bay, (Vanua Lava)		20
Waterfall Bay (Vanua Lava)	None	7
Dives Bay (Ureparapara)		15
Total Sample Size: 103		

**Fig 2. Caries prevalence pilot surveys Grade 1 children, 2013 - dmft (n=103)**  
Examiner: Dr Barry Stewart

Shop access	dmft	(std dev)
Very easy	6.00	3.93
Easy	5.15	3.08
Moderate	2.86	2.63
None	1.33	2.19

There was a significant difference by access to shops

using traditional dentistry, which is very expensive and involves employment of dentists and auxiliary personnel to drill, fill and pull out teeth. Such traditional methods have been shown to fail and modern dentistry now focuses more on caries management systems and minimum invasive (or intervention) dentistry.

Similarly caries was found to be extremely high in mothers attending MCH clinics in Port Vila (2014), with the highest component of the DMFT index being untreated decay, DT (**Fig. 3**).

### Current Programs:

Treatment is specifically targeted at eliminating dental decay in pregnant mothers, MCH nurses, and mothers/ carers of infants and young children attending MCH clinics. This is based on the evidence that mothers/carers pass on the micro-organism (*Strep mutans*) responsible for dental decay even before the primary teeth erupt in young children. Eliminating dental caries in these groups reduces the risk of transmission of the disease early in life.

In the main, however, PCV Health, Dental Clinic has focused on education and prevention as well as limited treatment on specific target groups (**Fig.4**). The education and prevention component is mainly introduced as an early intervention option by targeting pregnant mothers; mothers/carers of children attending MCH clinics; nurses working in MCH clinics; toddlers and young children attending MCH clinics; parents/carers and teachers of kindergarten and grade 1 primary school children.

The main tools for prevention include supply of toothbrushes and fluoride toothpastes and application of fluoride varnish based on risk assessment (**Figs. 5,6** in Appendix 1). The full dental caries management process, however, is currently under development, as some modifications are necessary to adapt current resources related to staff and material resources in Vanuatu. Other treatment is directed where possible (depending on availability of volunteer dentists and oral health therapists) to provide early intervention in young children and relief of pain.

**Fig 3. Mothers attending two maternal child health clinics Port Vila, 2014**

Examiner: Dr Josie Crompton

#### Shop access (**Very Easy**) n=50

	DMFT	(std dev)	DT	(std dev)
Man Place (n=17)	7.00	5.87	4.88	5.07
George Pompidou (n=33)	2.85	3.31	2.30	3.17

There was a significant difference in DMFT between the two groups, most likely due to cultural differences in attendees. Note the high D (untreated) component in each group.

**Fig 4. A Targeted Approach  
Building on the Pilot Studies**

#### The pilot program

Focus on two Schools (Kawenu PS and Manua PS) and their feeder MCH clinics and kindergartens

1. EPt (T)
  - a) E - Education (Ni-Van oral health care workers)
  - b) P - Prevention (Ni-Van oral health care workers)
  - c) t - treatment (Oral Health Therapists/Dentists)
  - d) T - treatment - mothers & carers (Dentists)



## **Proposed Survey:**

During the same period of time several other wonderful organisations with common interests and goals have been working in Vanuatu, and it was considered appropriate and timely to pool the combined experience, energy and resources of all the key players to undertake a national oral health survey, to formulate a national oral health plan and work together to improve oral health in Vanuatu.

The Vanuatu national NCD STEPS survey undertaken in 2011 and published in the Vanuatu Ministry of Health and WHO STEPS report 2013<sup>1</sup> found that 70% of deaths in Vanuatu were due to NCDs (CHD, stroke, diabetes, etc), which are life style and diet related, the common NCDs linked to periodontal (gum) disease and diet strongly related to dental caries. An important question needs to be asked, "Is the current poor oral health in urban children a fore-warning of an anticipated increase in NCDs in the population?"

## **Questions that need answers:**

Given that more than 25% (and growing every year) of the population is living in the major urban areas<sup>2</sup> what needs to be done to tackle the consequences of further decline in oral health as people become more exposed to a high sugar-containing diet with similar traits probably developing in the smaller urban centres for example, Sola in Torres-Banks Province?

What resources are needed? Do these need to be focused mainly on traditional dental services, which are very expensive, labour intensive, and have shown to be ineffective in treating and curtailing dental disease in the general population?

Could caries management systems be given more emphasis over traditional restorative services? (For example, the Northern Territory Government Healthy Smiles Program<sup>4,5,6</sup> and the Carevan Sun Smiles Program<sup>7</sup>)

If so, what kind of oral health care workers other than dentists and dental therapists should be considered?

Who will be the main target groups?

Could other existing organisations and services be actively involved in delivery of oral health education and prevention? For example, Health care workers (Health centres and MCH centres, aid posts)<sup>3</sup>, Educators (Teachers kindergartens and schools), Village health workers, and Volunteer organisations? (*See Appendix 2*)

## **To develop a national oral health plan we need to know :**

1. The present status of oral health in Vanuatu using a standardised methodology.
2. Whether or not the existing services are currently meeting demand and whether they are prepared to meet an anticipated increasing demand
3. What proportion of the oral health services should be directed towards
  - a. Oral Health Education and Prevention
  - b. General treatment
  - c. Palliative/emergency treatment
4. How to work within financial constraints with respect to administration, human resources, equipment, support and servicing, and dental supplies, etc.

5. The prevalence and impact of dental pain on
  - a. Children and families, including adult members
  - b. Education
  - c. Economy
  - d. General health

### **National Oral Health Survey - purpose,**

1. Provide a basis for estimation of the present oral health status of a population and its future needs for oral health care
2. Produce reliable baseline data for the development of national or regional oral health programs
3. Enable planning for appropriate numbers and types of personnel for oral care
4. Assist with planning priorities and identification of target groups
5. Identify current problems in dental services and open up ideas for filling the gap e.g., utilising other health service organisations viz., Health (Nurse practitioners, Health Centre and MCH nurses), Education (Kindergarten and school teachers), and at Village grass roots (Chiefs and Village health workers)
6. Inform interested parties about the prevalence and impact of the current state of oral disease on Ni-Van society, in particular
  - a. World health Organisation (Oral Health Data Bank)
  - b. Government authorities, especially Ministry of Health and Ministry of Education
  - c. The news media (for the general public and lobbyists)
  - d. Organisations that are potential sources of support and funding for example, Global Child Dental Fund<sup>8</sup>, Alliance for a Cavity Free Future<sup>9</sup>

### **National Oral Health Survey - objectives**

1. Collect information about the oral health status and treatment needs of a population
2. Monitor changes in levels and patterns of disease
3. Assess the appropriateness and effectiveness of the services being provided
4. Effectively plan or modify oral health services and training programs as needed

### **Essential requirements that come to mind:**

1. Cooperation and blessing of Vanuatu Ministry of Health
2. Involvement of current dental service administrators
3. Support of the World Health Organisation
4. Survey planning, including survey sample size
5. Recruitment and training (calibration) of examiners (dentists, oral health therapists, dental hygienists, senior dental students), record clerks
6. Access to isolated areas (utilising the yacht *Chimere*, Medical Sailing Ministries<sup>10</sup>, and possibly MV *Pacific Hope*, Marine Reach)
7. Availability of sufficient instruments (mirrors and probes)
8. Cross-infection control
9. Financial support
10. Collation of examination sheets, data entry, analysis
11. Establishment of a post-survey working party to assist with preparing a national oral health plan

## Summary:

Ideally a full National Oral Health Survey covering all the major age sub-groups is desirable from the point of view of planning and monitoring oral health programs, but the biggest obstacle would be availability of volunteers to undertake this task in an archipelago of 82 islands, 65 of which are inhabited. However, leaders of overseas volunteer groups known by the author e.g., Elizabeth Webb, Robyn Watson, Kylie DellaBarca Steel, David Goldsmith, Medical Sailing Ministries and Vanuatu Dental Care Melbourne group, have a network of overseas volunteer dentists/senior dental students. When combined with local dentists (government and private), there should be enough examiners to cover the major towns, including Port Vila (36,000) and Luganville (13,000). If sufficient human resources cannot be recruited, however, then the survey could be reduced to cover only the younger sub-groups i.e., 5, 12, and 15 years.

The yacht *Chimere* (Medical Sailing Ministries) and possibly MV *Pacific Hope* (Marine Reach) would need to cover the rural areas for example, [Norsup](#), Malampa (3000), [Port-Olry](#), Sanma (2000), [Isangel](#), Tafea (1500), [Sola](#), Torba (1200), [Lakatoro](#), Malampa (700). Population densities and possibly accessibility to shops in any other areas need to be determined in order to select which islands need to be included so as to provide equal representation taking into consideration geographic, demographic, and socioeconomic factors, access to shops, as well as access to maternal child health centres, health centres, dispensaries, and aid posts.

Survey sample size can be readily determined using the WHO Oral Health Surveys, Basic Methods, Fifth edition, 2013<sup>11</sup>. The following notes have been extrapolated from the manual:

*The number of subjects to be included in the oral health survey depends on the technique used for conducting sample size estimates, scope of the survey, the precision with which inferences will be made, and resources available. In the pathfinder sampling method, the number of subjects to be examined in each index age group ranges from a minimum of 25 to 50 for each sampling site, depending on the expected prevalence and severity of oral disease.*

**For example**, a sample design for a national pathfinder survey for each index age or age group can be calculated as follows:

*Urban: 4 sites in the capital city or metropolitan area ( $4 \times 25 = 100$ )*

*2 sites in each of 2 large towns ( $2 \times 2 \times 25 = 100$ )*

*Rural: 1 site in each of 4 villages in different regions ( $4 \times 25 = 100$ )*

*Total for one index age or age group:  $12 \text{ sites} \times 25 \text{ subjects} = 300$*

*If this cluster distribution will be applied to four index ages in the population under study:*

*Total sample:  $4 \times 300 = 1200$*

*Such a sample design permits identification of significant differences between urban and rural groups and, in most situations, between different socioeconomic groups in the capital city or other large towns. Areas where the disease prevalence is either much higher or much lower than the national average may also be identified from the results of such a survey. It is to be noted that a sample of 25 subjects, with approximately equal numbers of females and males, is sufficient only in populations where dental caries and periodontal disease levels are estimated to be low or very low. In populations where the disease level is known to be high, e.g. the percentage of caries-free 12-year-olds is 20% or lower, the standard size for each sample should be about 50 subjects and the total sample size should therefore increase to about 600 subjects for each age group. If the level of dental caries in the population is not known, it will be necessary to*

*estimate the level of disease before starting a survey. A rapid and effective way of estimating the prevalence of dental caries in a population is by classifying a group of subjects as caries-free or not caries-free. It should be possible, for example, to examine two or three classes or year groups of 12-year-olds from different socioeconomic levels, in two to three local, easily accessible schools where the widest possible differences in disease prevalence may be expected. If more than 50% of the children in a class are caries-free, the caries prevalence is low, and if less than 20% are caries-free, the prevalence is high. This estimate of prevalence may then be used as a guide to decide the standard sample size when completing the study protocol.*

In Vanuatu it might be necessary to double the sample sizes in urban areas, because of anticipated high caries prevalence and periodontal disease. In the meantime, here is a rough estimate:

Given the total population at present is around 270,000 a total sample of 3000 (>1%) would be more than adequate. Ten examiners could cover a sample of 1% of the population in Port Vila (<400 subjects) in 1-2 days. Similarly, three examiners could cover Luganville in 1-2 days. The villages on Efate and Santo included in the sample could be covered by the same examiners over another 2-3 days depending on access and travel. In other words Efate and Santo could theoretically be covered within 1 week.

Each of the other four major towns could be covered by one examiner in one day, so these sites could be part of the yacht *Chimere* and MV *Pacific Hope* sailing schedules. Presumably these four towns and the total rural sample sites throughout the archipelago could be covered over a period of around 3 months depending on sailing time and down time for repairs and changes in crew, etc. One examiner would suffice, but if there were two examiners, the mission could combine both survey and treatment procedures to isolated areas throughout the survey period.

#### **Links to references:**

1. [http://www.who.int/chp/steps/Vanuatu\\_STEPS\\_Report\\_2013.pdf](http://www.who.int/chp/steps/Vanuatu_STEPS_Report_2013.pdf)
2. [http://www.wpro.who.int/countries/vut/35VANpro2011\\_finaldraft.pdf?ua=1](http://www.wpro.who.int/countries/vut/35VANpro2011_finaldraft.pdf?ua=1)
3. [http://www.health.nt.gov.au/library/scripts/objectifyMedia.aspx?file=pdf/72/53.pdf&siteID=1&str\\_title=HS%20Wshop%20Fact%20Sheet.pdf](http://www.health.nt.gov.au/library/scripts/objectifyMedia.aspx?file=pdf/72/53.pdf&siteID=1&str_title=HS%20Wshop%20Fact%20Sheet.pdf)
4. [http://health.nt.gov.au/library/scripts/objectifyMedia.aspx?file=pdf/59/85.pdf&siteID=1&str\\_title=Oral%20Health%20Promotion%20Plan%202011-2015.pdf](http://health.nt.gov.au/library/scripts/objectifyMedia.aspx?file=pdf/59/85.pdf&siteID=1&str_title=Oral%20Health%20Promotion%20Plan%202011-2015.pdf)
5. [http://www.health.nt.gov.au/library/scripts/objectifyMedia.aspx?file=pdf/72/53.pdf&siteID=1&str\\_title=HS%20Wshop%20Fact%20Sheet.pdf](http://www.health.nt.gov.au/library/scripts/objectifyMedia.aspx?file=pdf/72/53.pdf&siteID=1&str_title=HS%20Wshop%20Fact%20Sheet.pdf)
6. [http://www.health.nt.gov.au/library/scripts/objectifyMedia.aspx?file=pdf/67/19.pdf&siteID=1&str\\_title=Health%20Smile%20-%20Oral%20Health%20&%20Fluoride%20Varnish%20Information%20for%20Health%20Professionals.pdf](http://www.health.nt.gov.au/library/scripts/objectifyMedia.aspx?file=pdf/67/19.pdf&siteID=1&str_title=Health%20Smile%20-%20Oral%20Health%20&%20Fluoride%20Varnish%20Information%20for%20Health%20Professionals.pdf)
7. <http://www.carevan.com.au/blog/wp-content/uploads/2016/01/Carevan-Sun-Smiles-Program-Booklet-February-2016.pdf>
8. <http://www.gcdfund.org/>
9. <http://www.allianceforacavityfreefuture.com.au/en/au/home#.V89Plyh96M8>
10. <http://msm.org.au/>
11. [http://apps.who.int/iris/bitstream/10665/97035/1/9789241548649\\_eng.pdf?ua=1](http://apps.who.int/iris/bitstream/10665/97035/1/9789241548649_eng.pdf?ua=1)

**Fig. 5 2016/17 Strategies The Pilot Program – Services (MCH)**

**Mothers**

- ☒ Oral health Presentation to Mothers & Carers (using PowerPoint with projector, laptop screen or flip charts depending on whether or not power available)
- ☒ Flyer / Information to Parents on Oral Health Habits, Diet and Prevention
- ☒ Caries screening examinations for Mothers / Carers
- ☒ Referral to Volunteer Visiting Dentist at PCV Dental Clinic

**Babies**

- ☒ Dental Examination for Child
- ☒ Completion of Dental Record Card for Child
- ☒ Oral Health Risk Categorization of each Child – ‘Lift the Lip’ post 18 months
- ☒ Apply Fluoride Varnish to each Child (post 18 months on)
- ☒ Provision of Toothbrush (and Sample Toothpaste)
- ☒ Six Monthly Follow up visits
- ☒ Provision of Information Pack / Resources to Maternal Health Nurses

**Korvan Nurse Training College**

- ☒ Lectures and practical oral health training for students
- ☒ Provision of full dental treatment at PCV Health dental clinic as an incentive to appreciate good oral health and understanding of oral disease

**Fig. 6 2016/17 Strategies The Pilot Program – Services (Kinder/Grade 1)**

**Education**

- ☒ Presentation to children and teachers (using PowerPoint with projector, laptop screen or flip charts depending on whether or not power available)
- ☒ Presentation to Parents and Carers where possible
- ☒ Posters / Information on Oral Health Prevention
- ☒ Flyer / Information to Parents on Oral Health Habits, Diet and Prevention for home reinforcement

**Prevention**

- ☒ Plaque disclosing drops
- ☒ Provision of Toothbrush and Sample Toothpaste
- ☒ Supervised tooth brushing
- ☒ Application of Fluoride Varnish



## **Appendix 2: *Volunteer Organisations and other potential sources of volunteers***

1. Medical Sailing Ministries, Robert Latimer & Mike Clarke, <http://msm.org.au/>
2. PCV Health, Vanuatu Dental Care, Richard Tatwin - previous volunteer dentists and oral therapists  
<http://whataidwhere.org/organisation/pcv-health/>
3. Elizabeth Webb and team members
4. The University of Sydney, Robyn Watson (and senior students)  
Lecturer, Periodontics  
University of Sydney  
Lvl 6 Sydney Dental Hospital, Surrey Hills  
Lvl 1 Westmead Centre for Oral Health, Westmead
5. Senior students from other Australian Universities
6. Fruit of the Pacific, Kylie DellaBarca Steel, <https://www.facebook.com/FruitOfThePacific>
7. The Butterfly Trust, David & Lynn Colbert, [www.butterflytrust.org](http://www.butterflytrust.org)
8. Marine Reach Ministries, Jared Waipouri, <http://marinereach.com/pacific-hope/>
9. Rotary Club of Ballarat West, Dr David Goldsmith and team members
10. Novodental, Vanuatu, <http://novodental.net/>
11. Dr Philipe Lemos, Dr Marcel Da Cruz, Dr Fabio
12. <https://www.facebook.com/novodentalvanuatu/photos/a.377467039113930.1073741827.377461799114454/506299886230644/?type=1&theater/>
13. South Pacific Smiles, <http://www.southpacificsmiles.com/>
14. Australian Dental Association Volunteer website/newsletter article

## APPENDIX 6      Test Sail

Now concluded safely

Summer “test sail” of Chimere (10-14 days) to ensure everything is in operational order.

An appropriate sailing plan will be developed closer to the end of this year incorporating selected Westernport and Bass Strait locations

A further Bass Strait test sail is being planned for 2-11 March for volunteer crew and skippers

## APPENDIX 7      Documentary Film

**Documentary Film** - Seek to produce a documentary film as a way of raising funds, featuring mission volunteers, their motivation in participating, while contrasting their “western” lifestyles with the life of rural village Ni-Vans encountered along the way.

Further details to be included at a later date

## APPENDIX 8      Low Smoke Stove

**Low Smoke Stoves** - Promote Low Smoke Cooking Stove use and manufacture.

Further details to be included at a later date