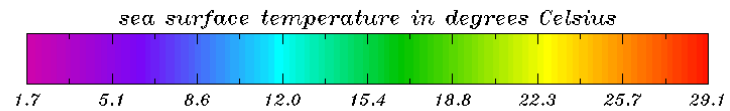
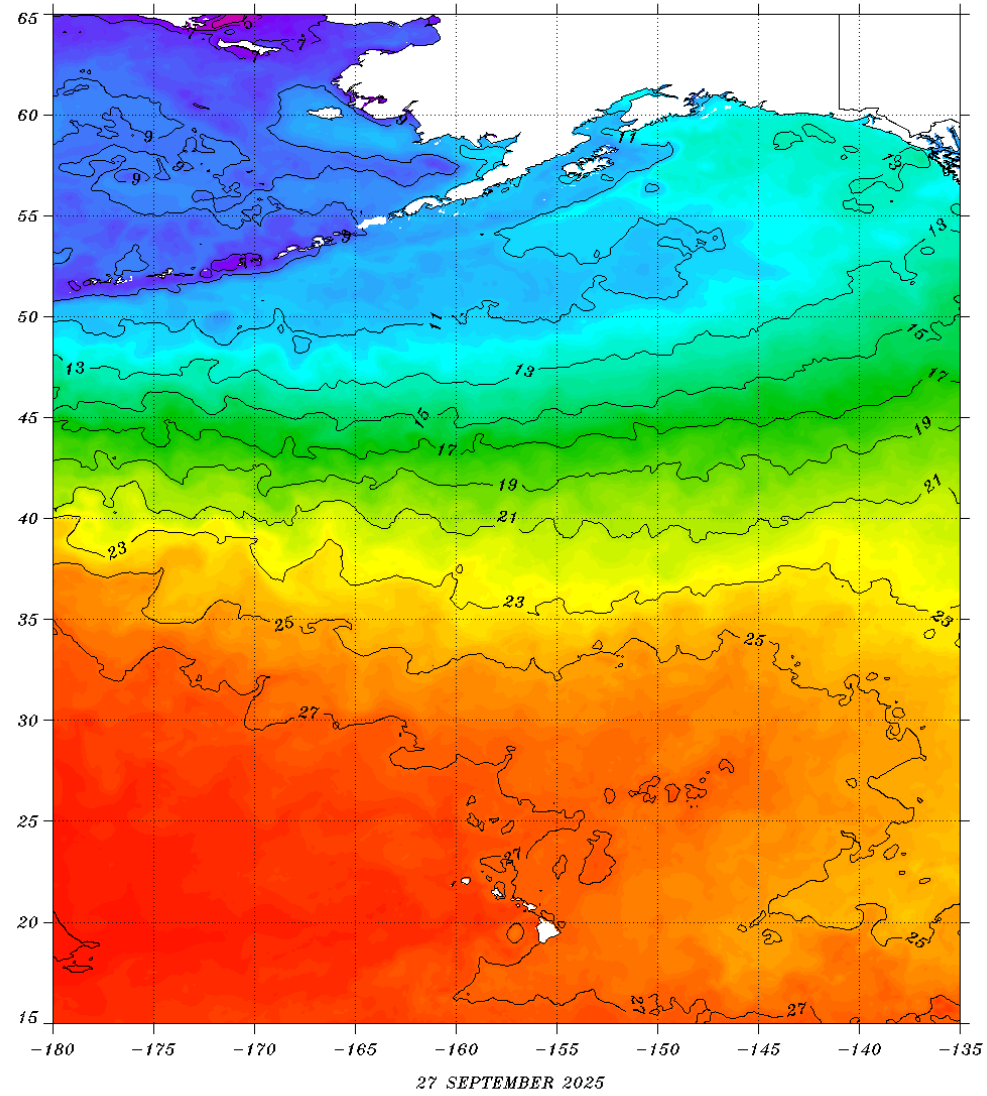
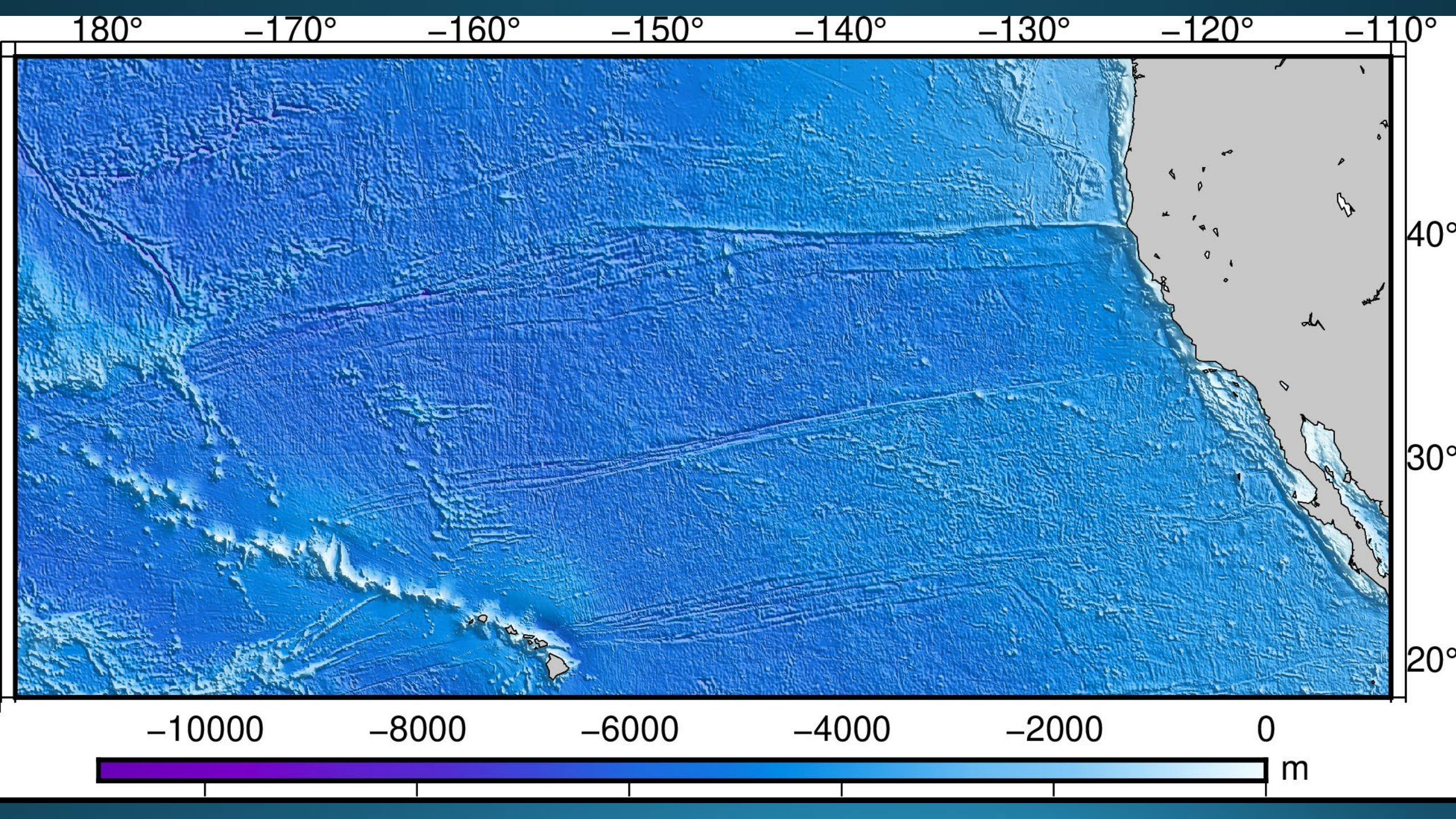


NOAA/NESDIS GEO-POLAR BLENDED 5 km SST ANALYSIS
FOR ALASKA/HAWAII





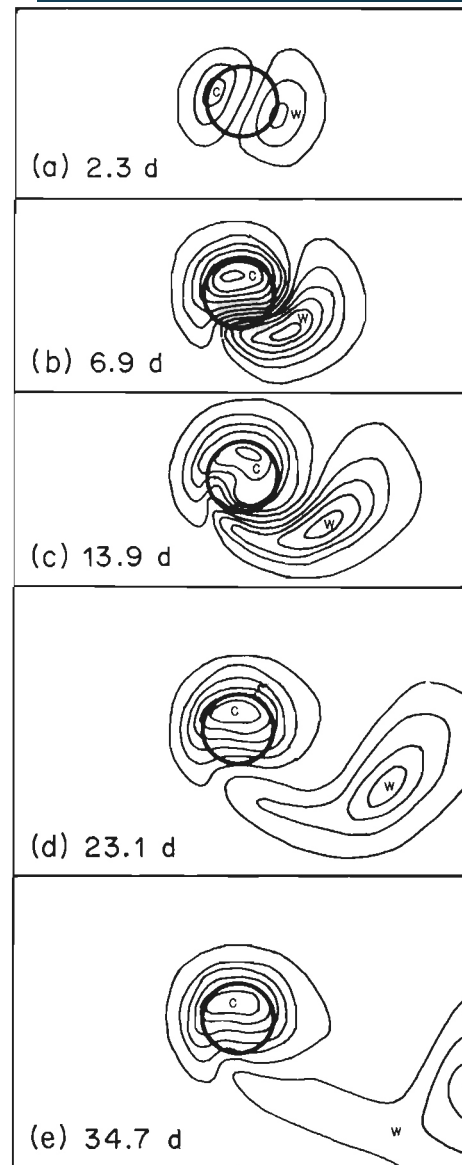
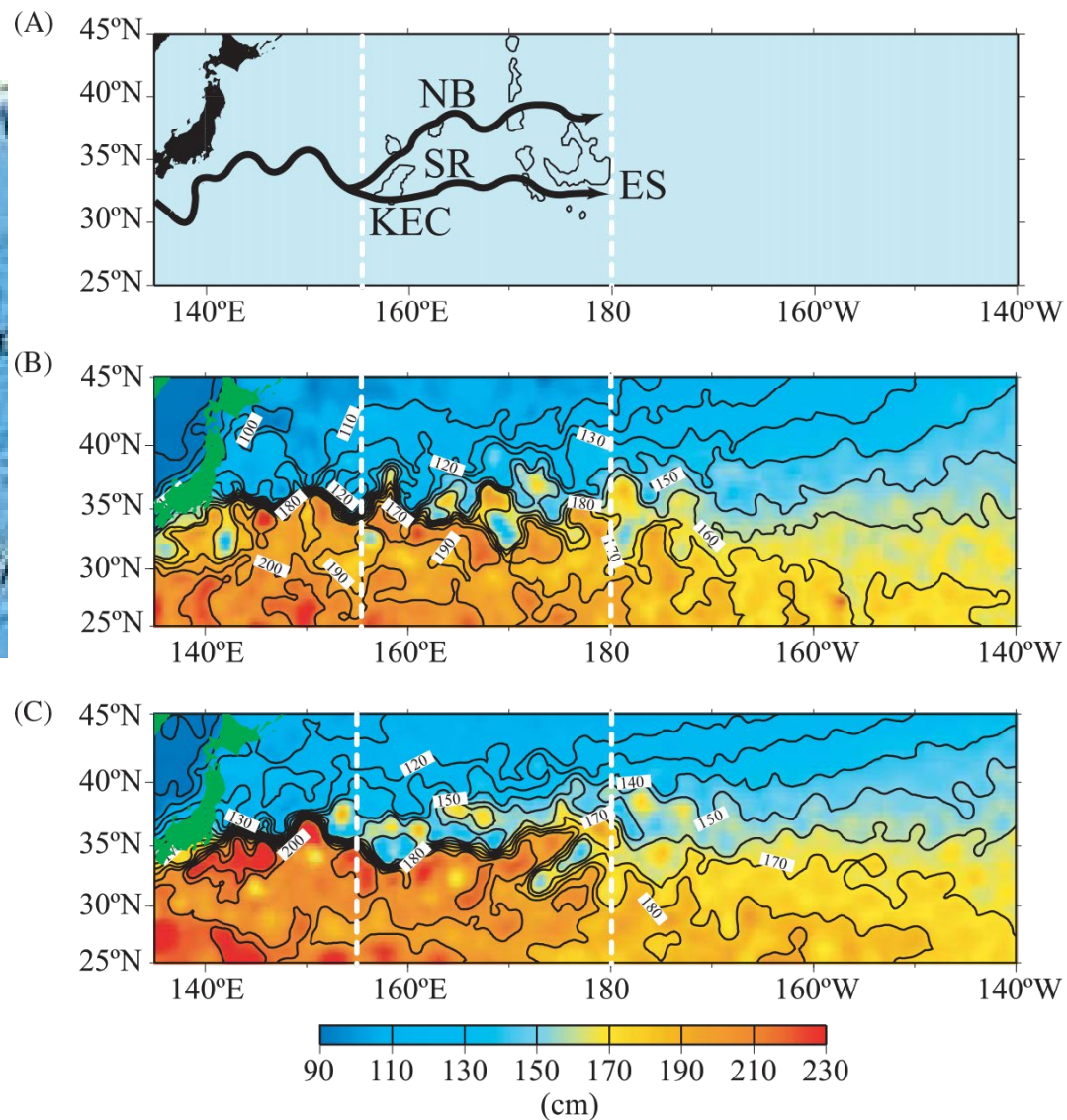
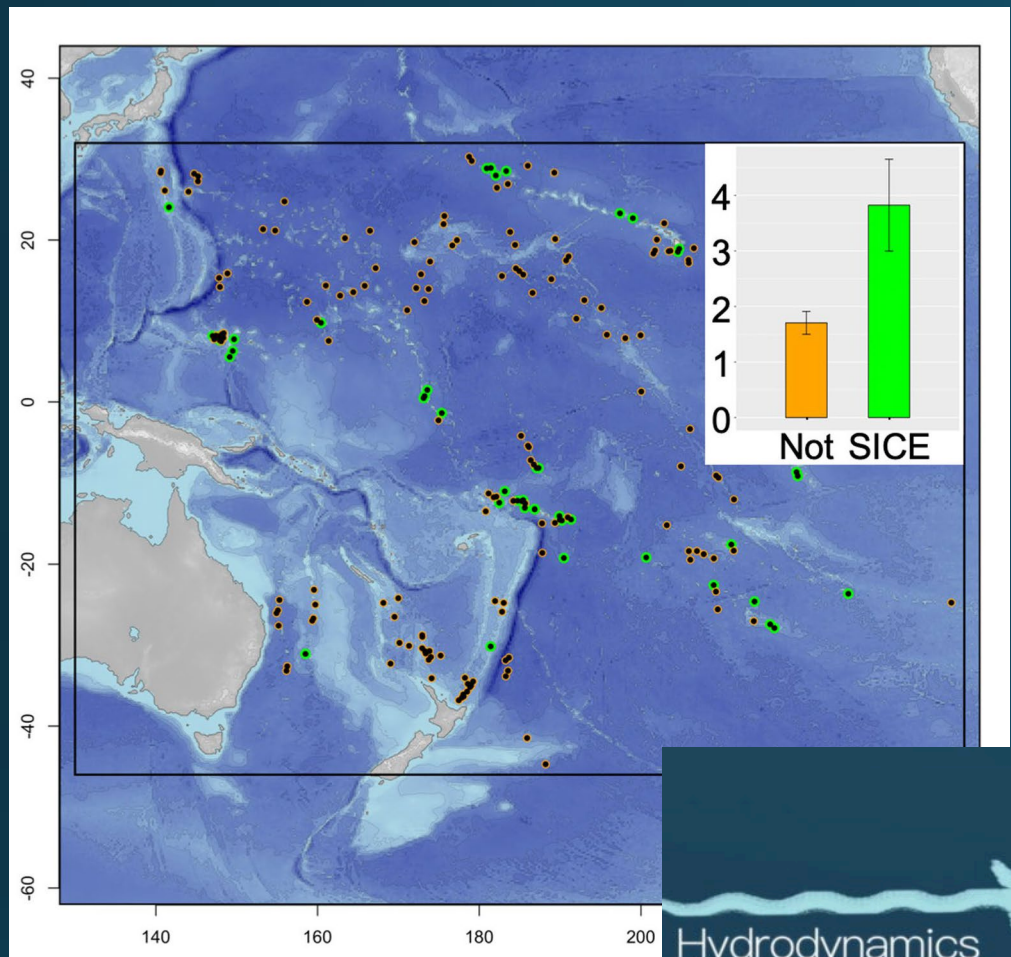
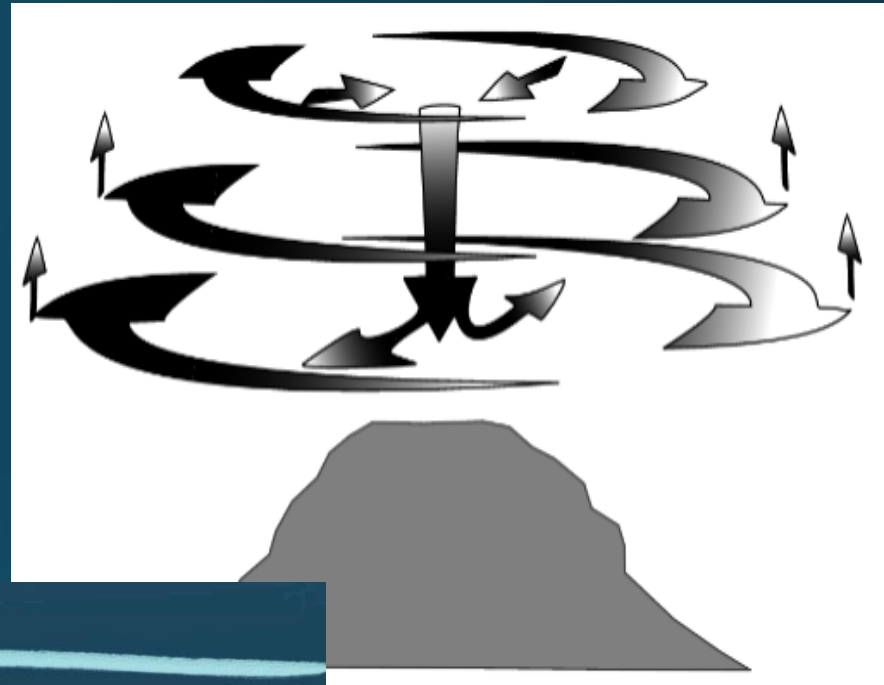


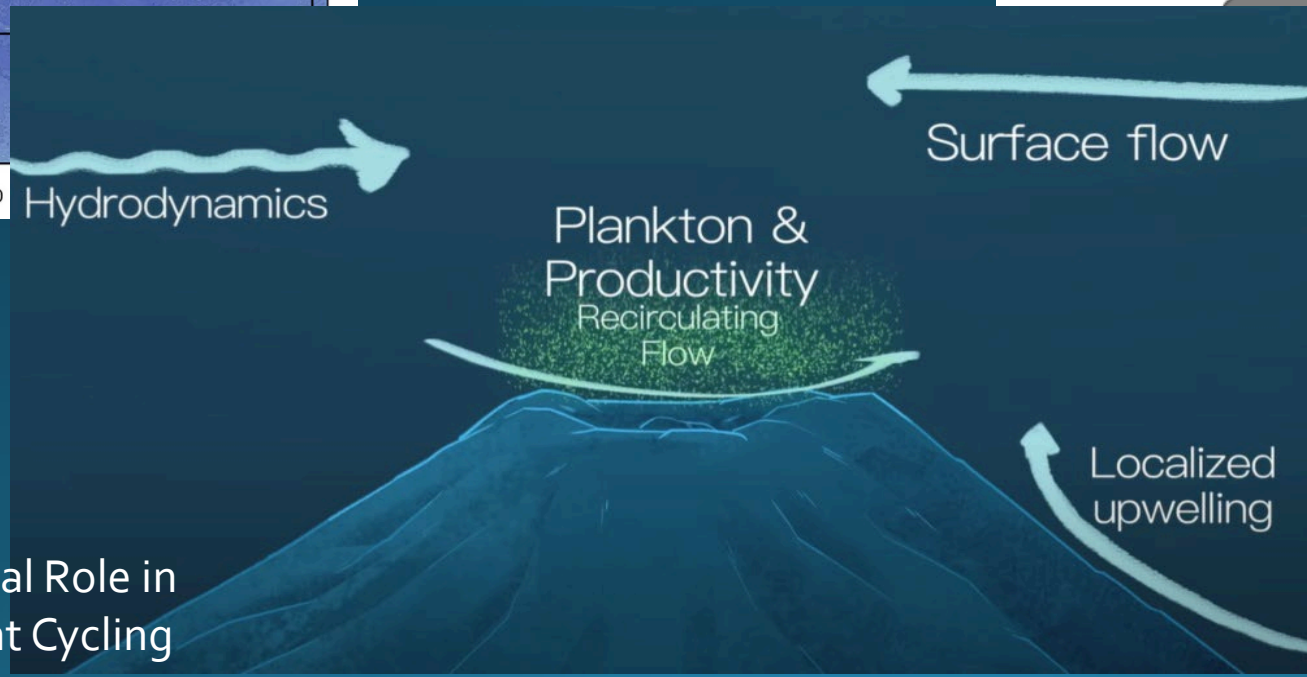
Figure 3.—Evolution of cold (C) and warm (W) eddies in flow past an isolated low amplitude seamount, with time measured in days (Huppert and Bryan 1976).



3-D Diagram of Mean Flows in Fieberling Guyot Circulation Cell

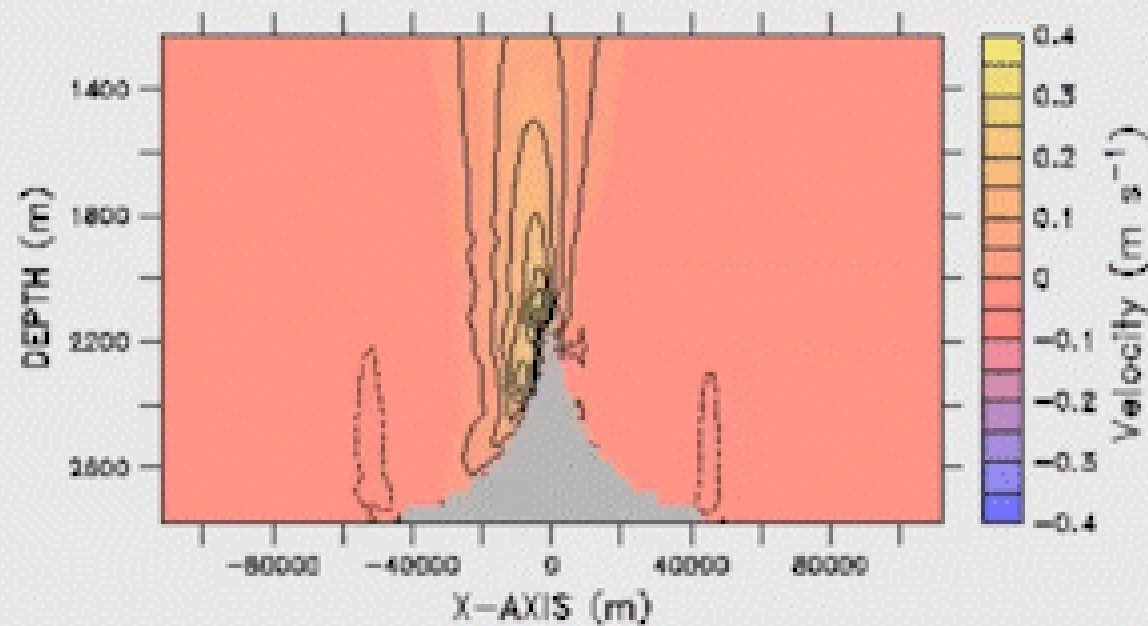
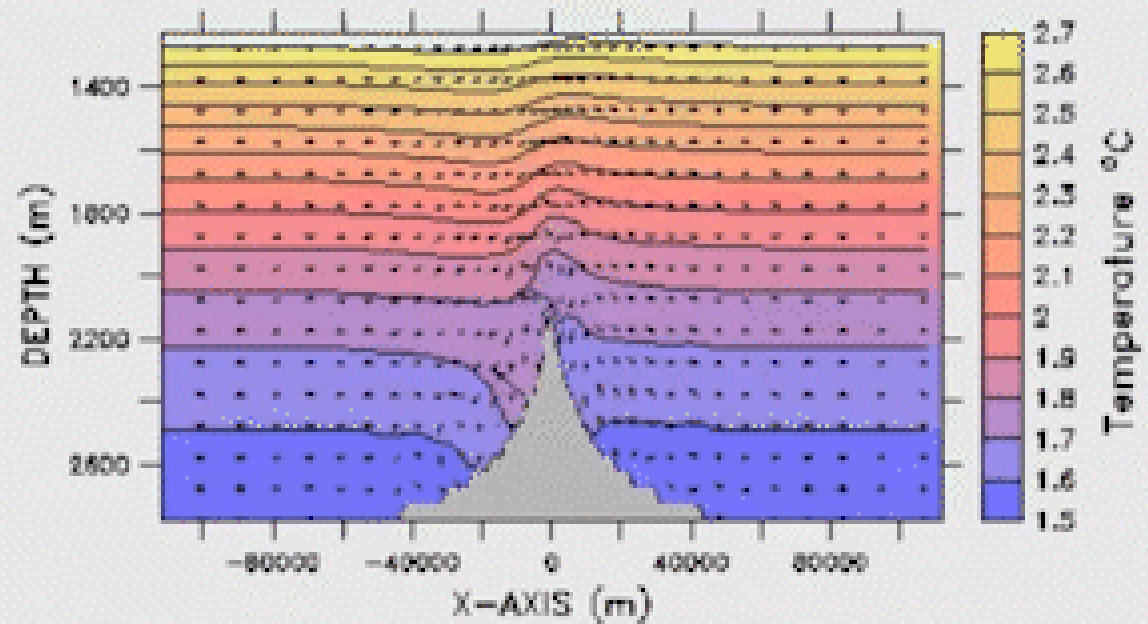


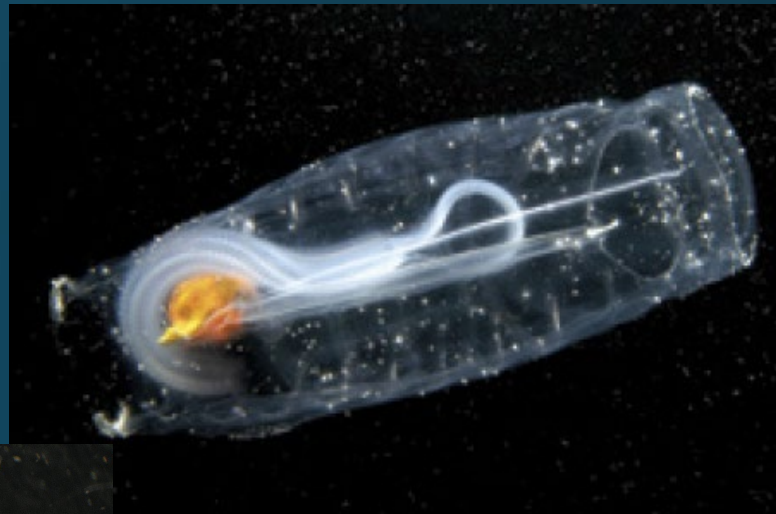
Redrawn from Mullineaux and Mills, 1997



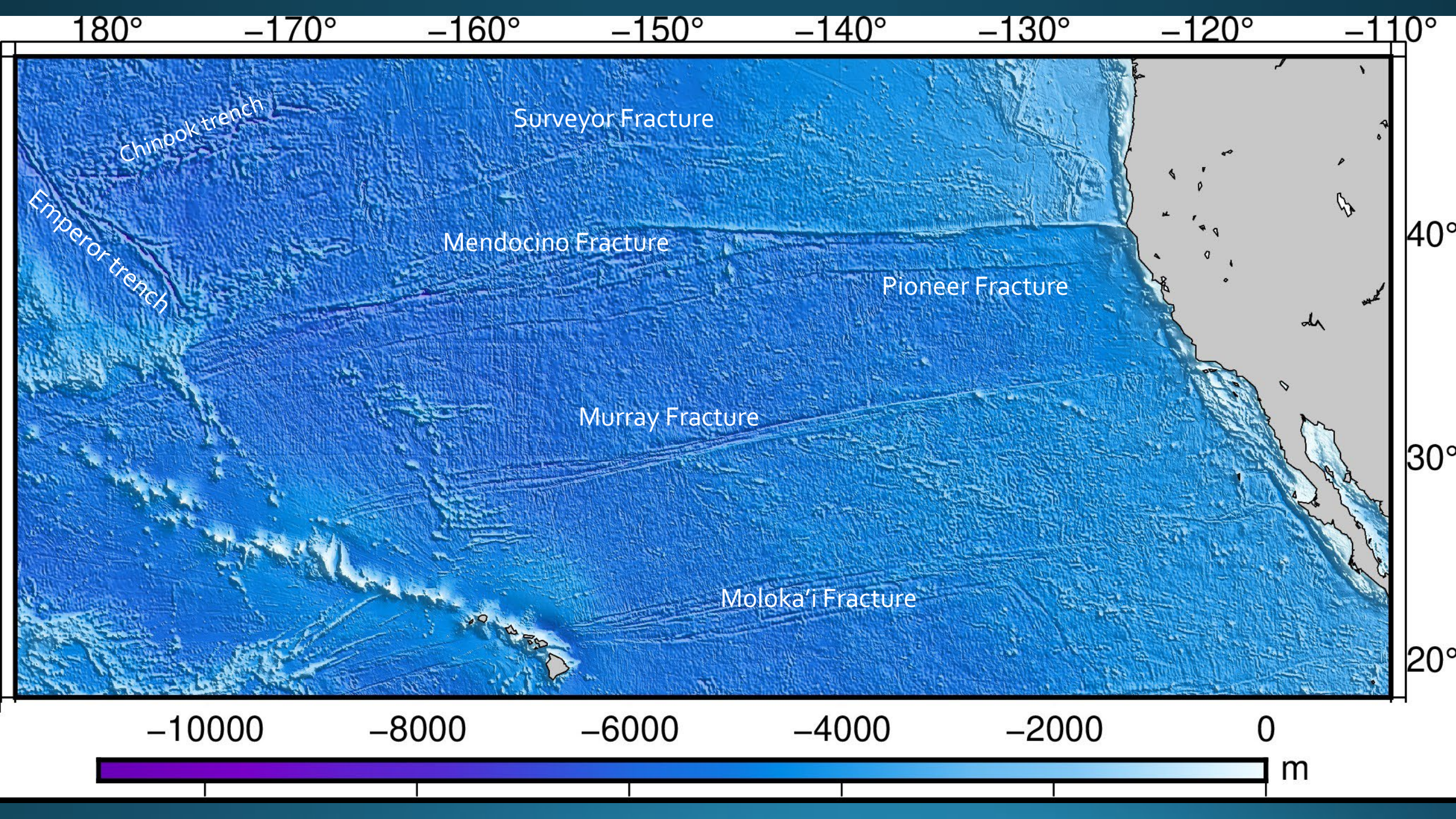
Seamounts Play an Essential Role in Oceanic Circulation and Nutrient Cycling

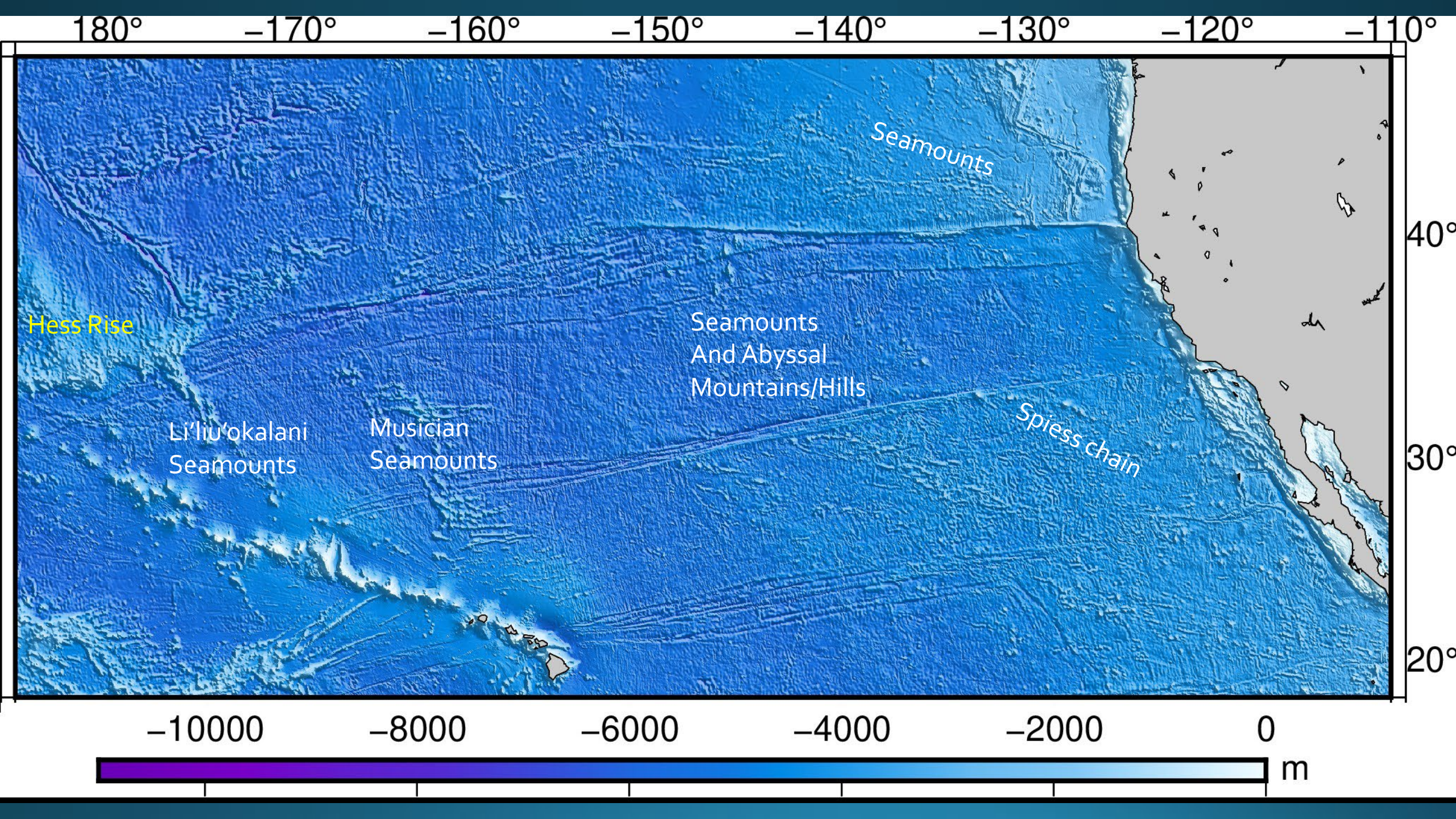
Diurnal Flow Over A Ridge





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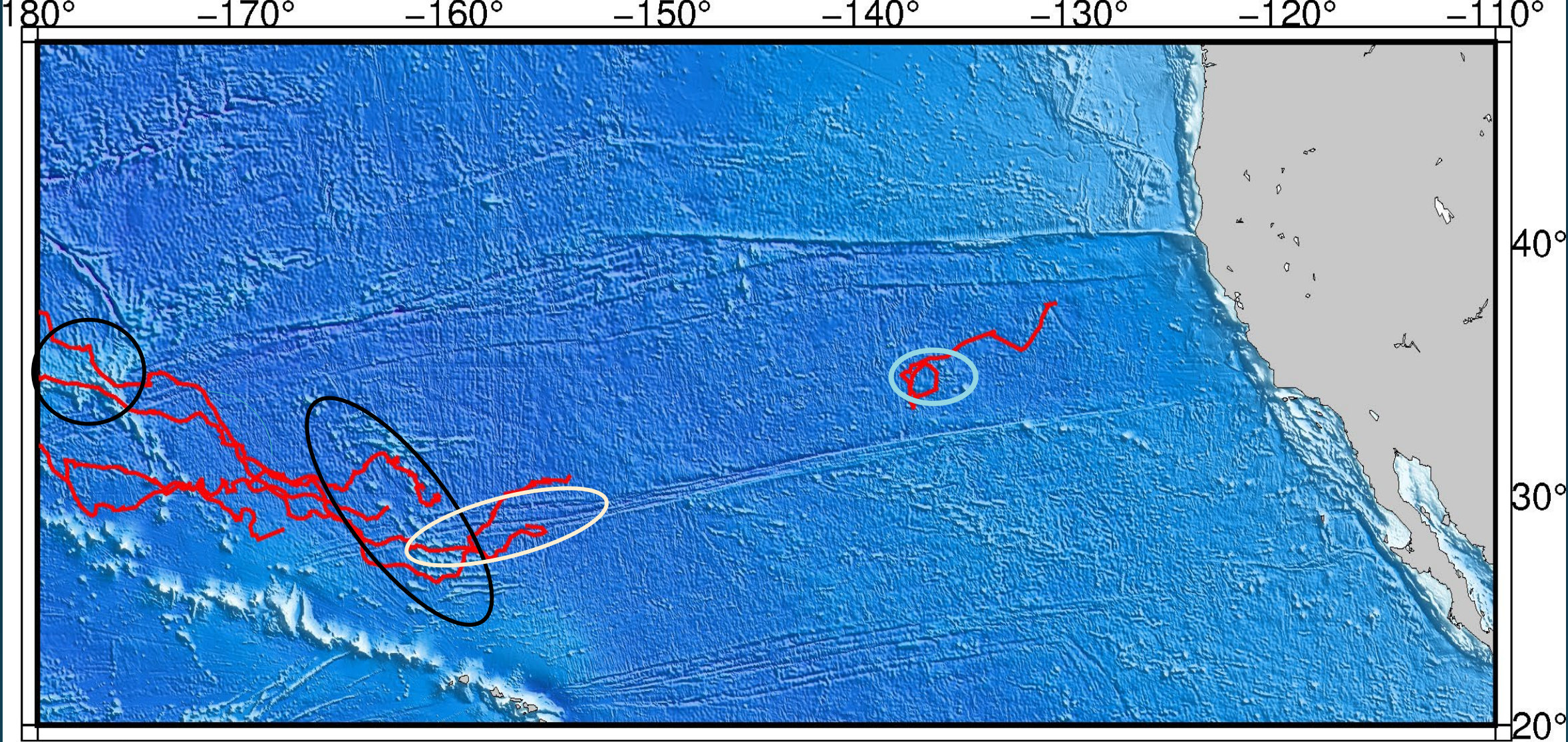






Grooves

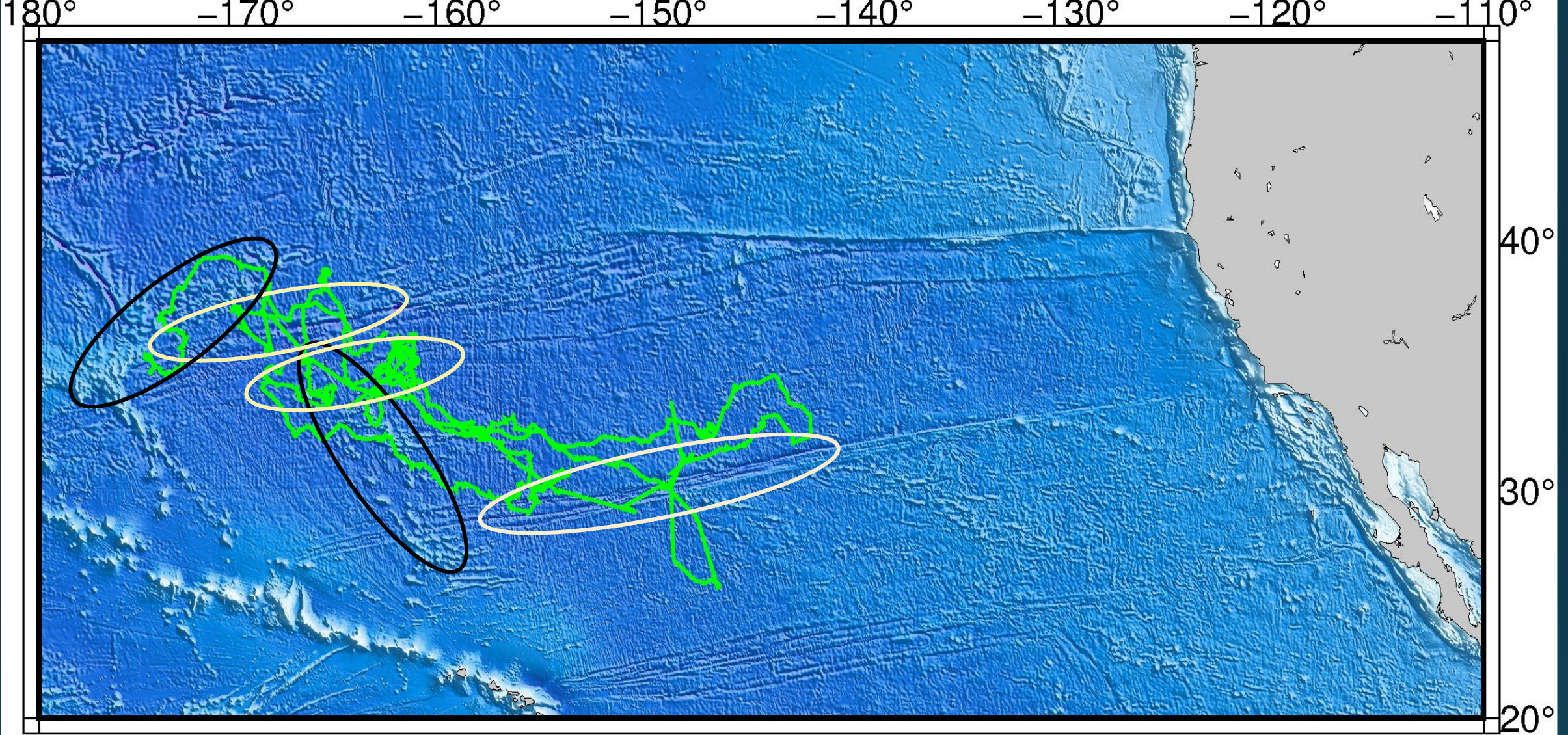
Stretch marks



GMT 2025 Sep 28 15:43:53 seaturtle.org/maptool Projection: Mercator



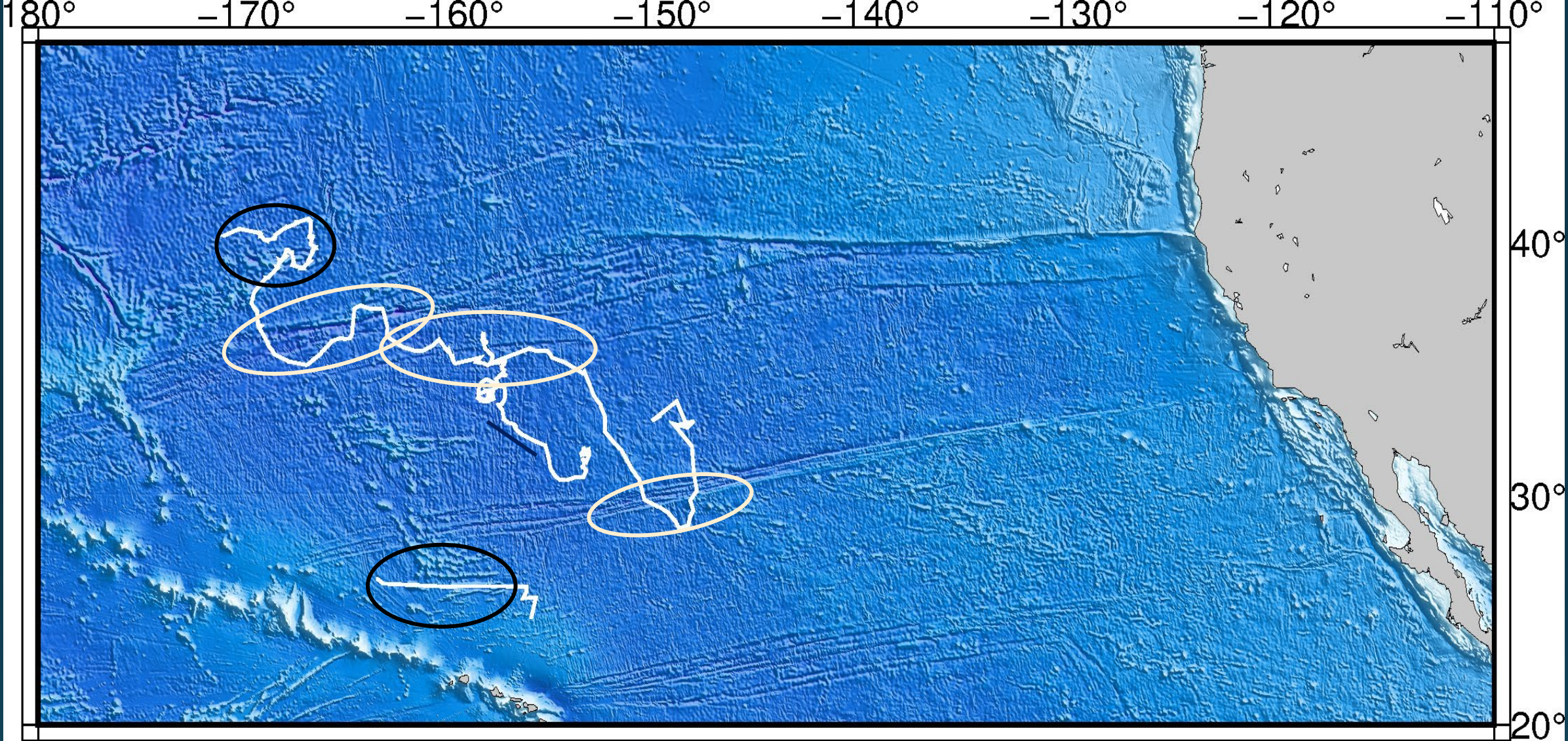
GEBCO Bathymetry



GMT 2025 Sep 28 16:33:42 seaturtle.org/maptool Projection: Mercator



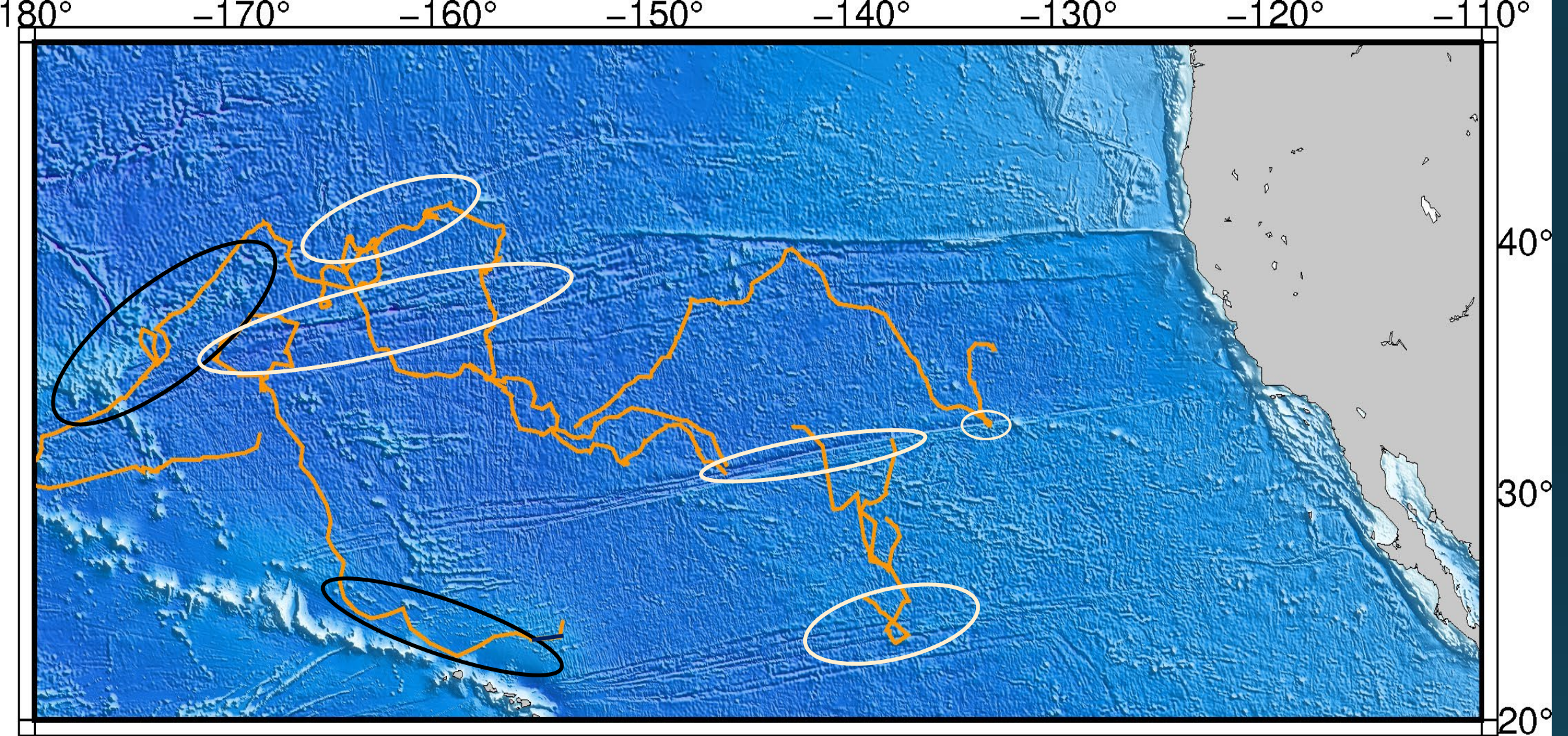
GEBCO Bathymetry



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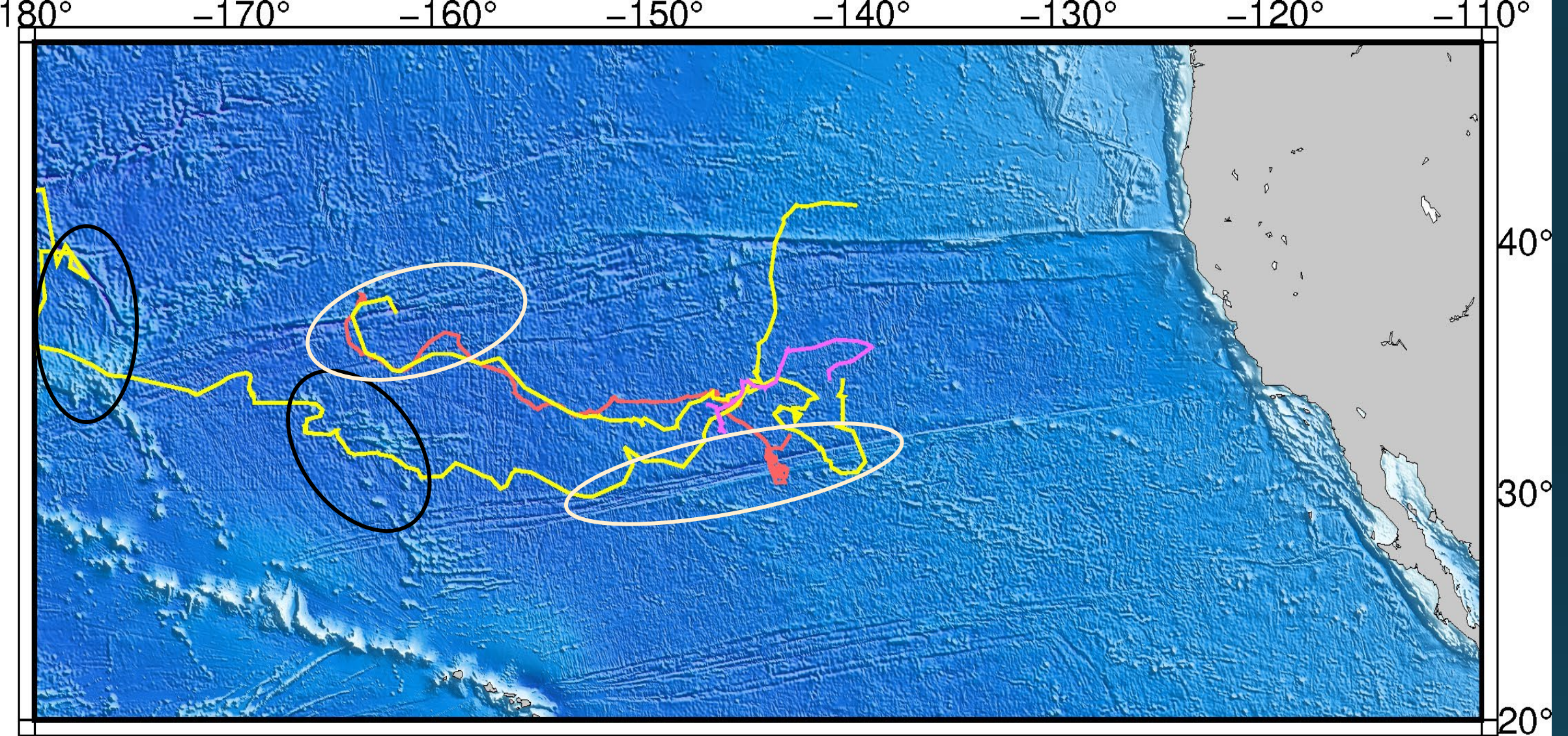
GEBCO Bathymetry



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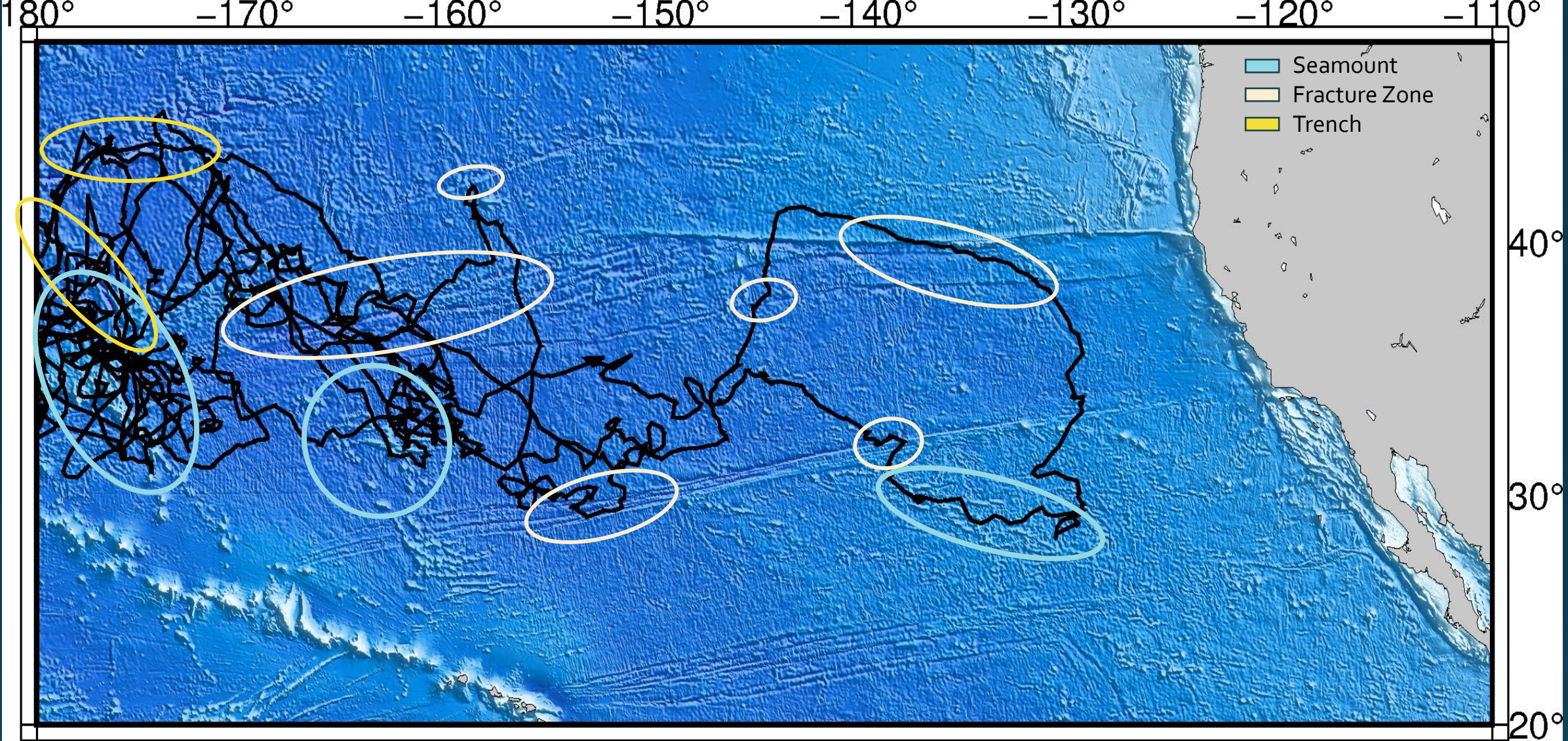
GEBCO Bathymetry



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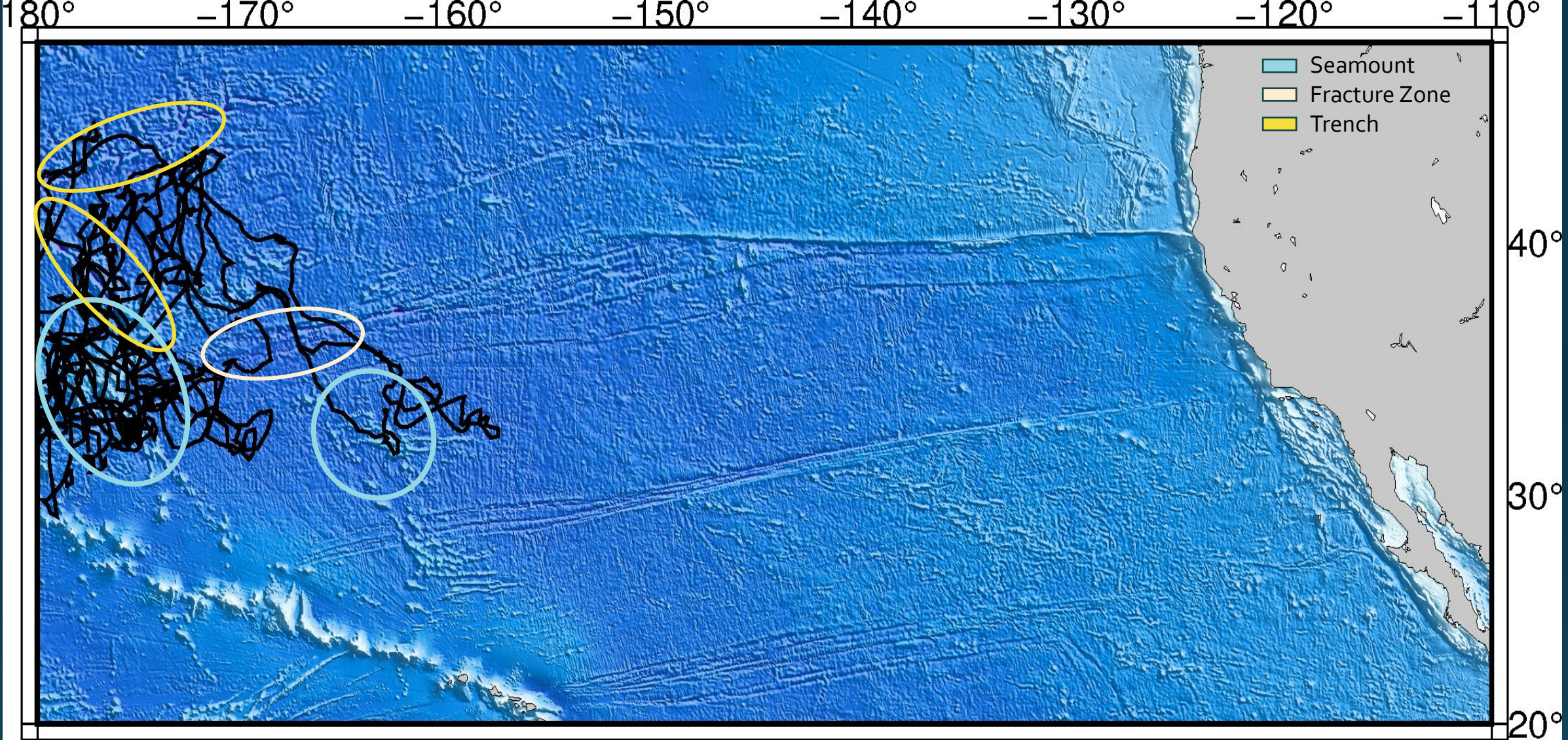
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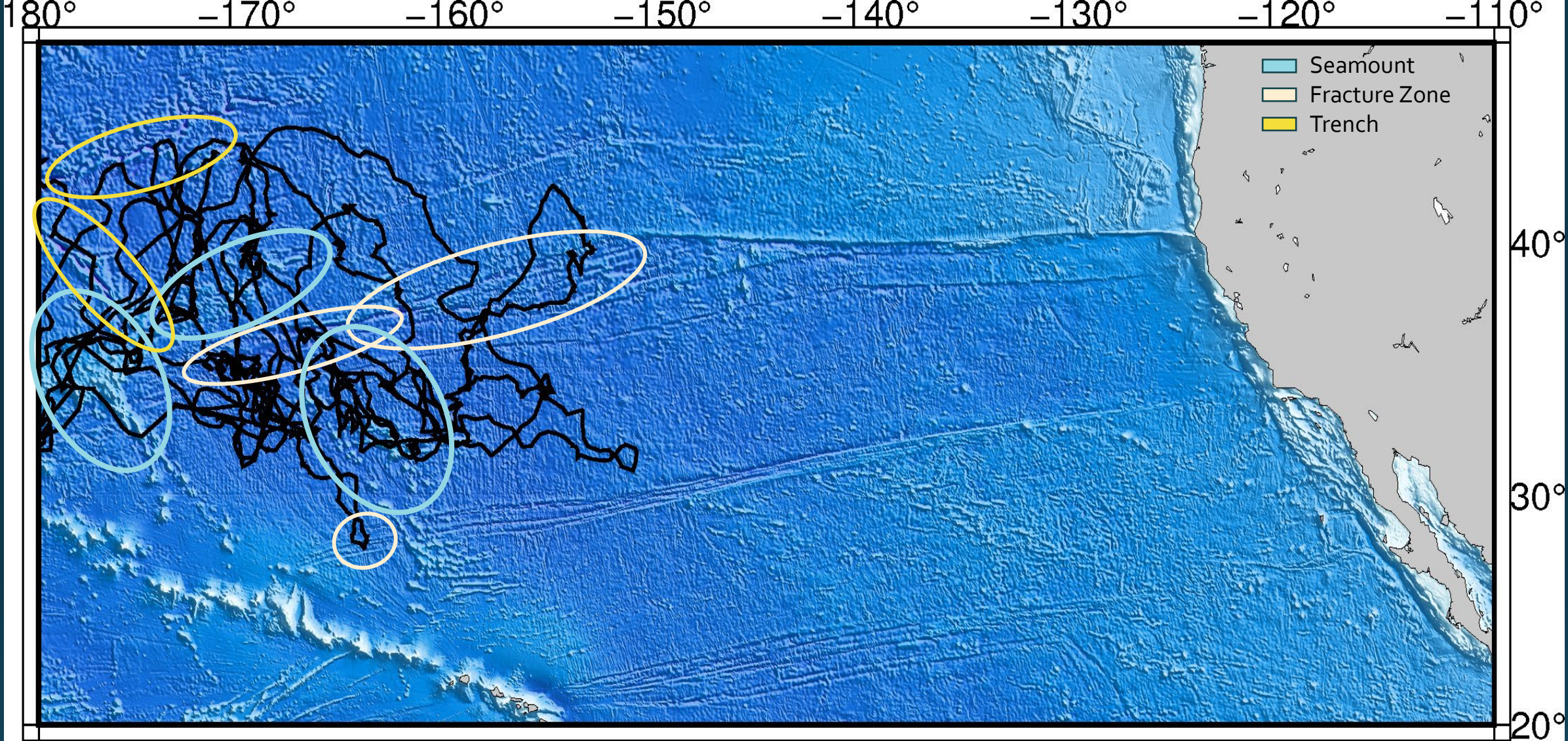
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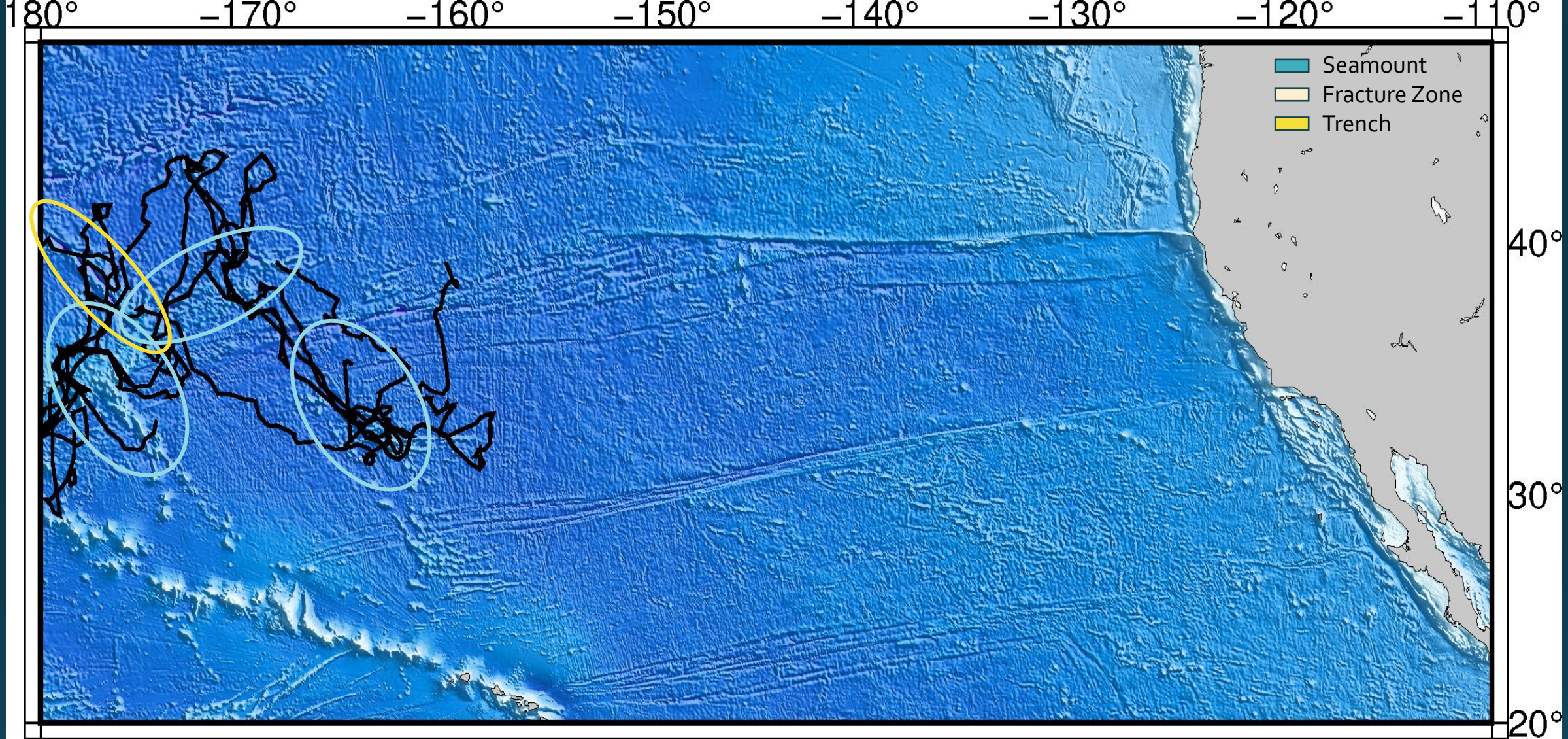
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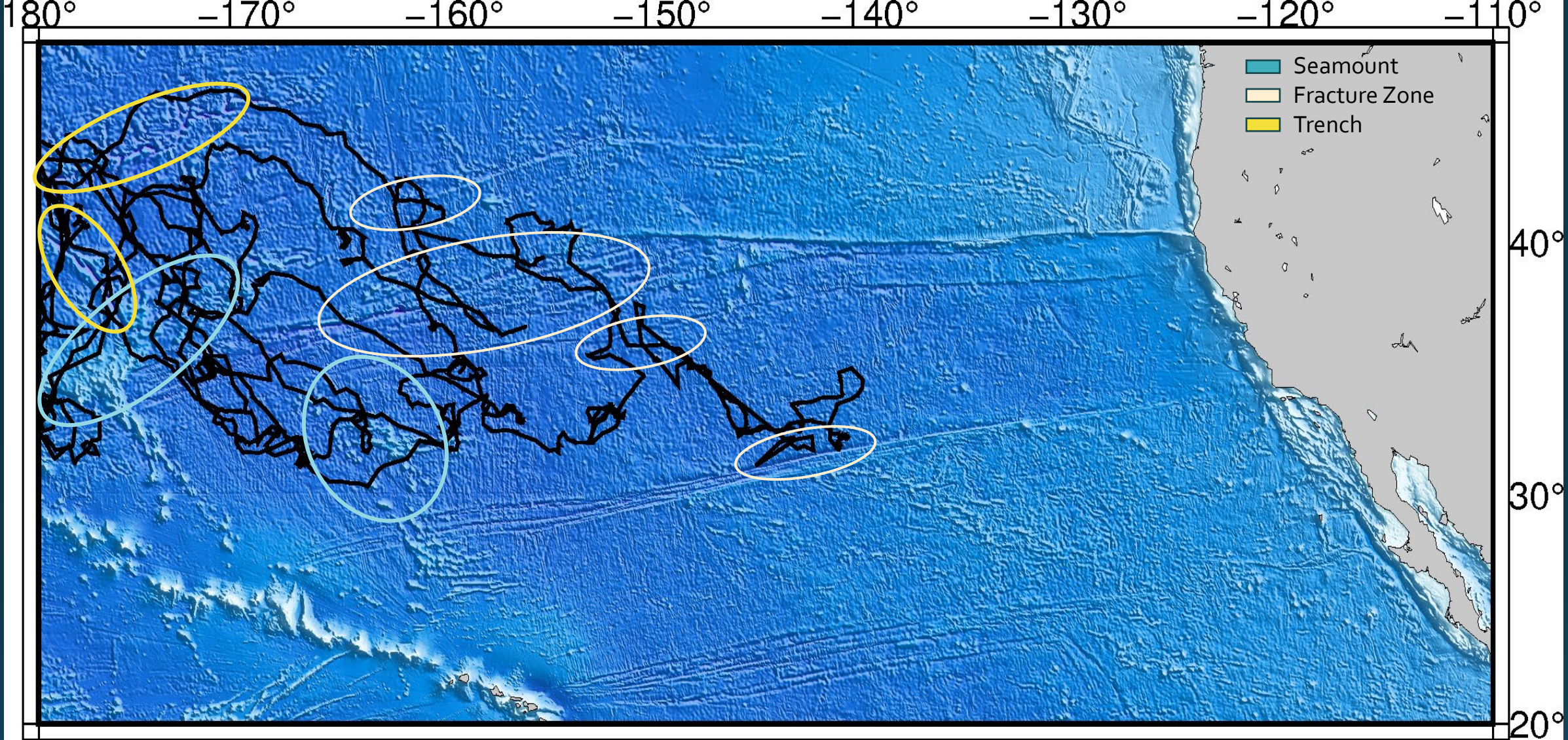
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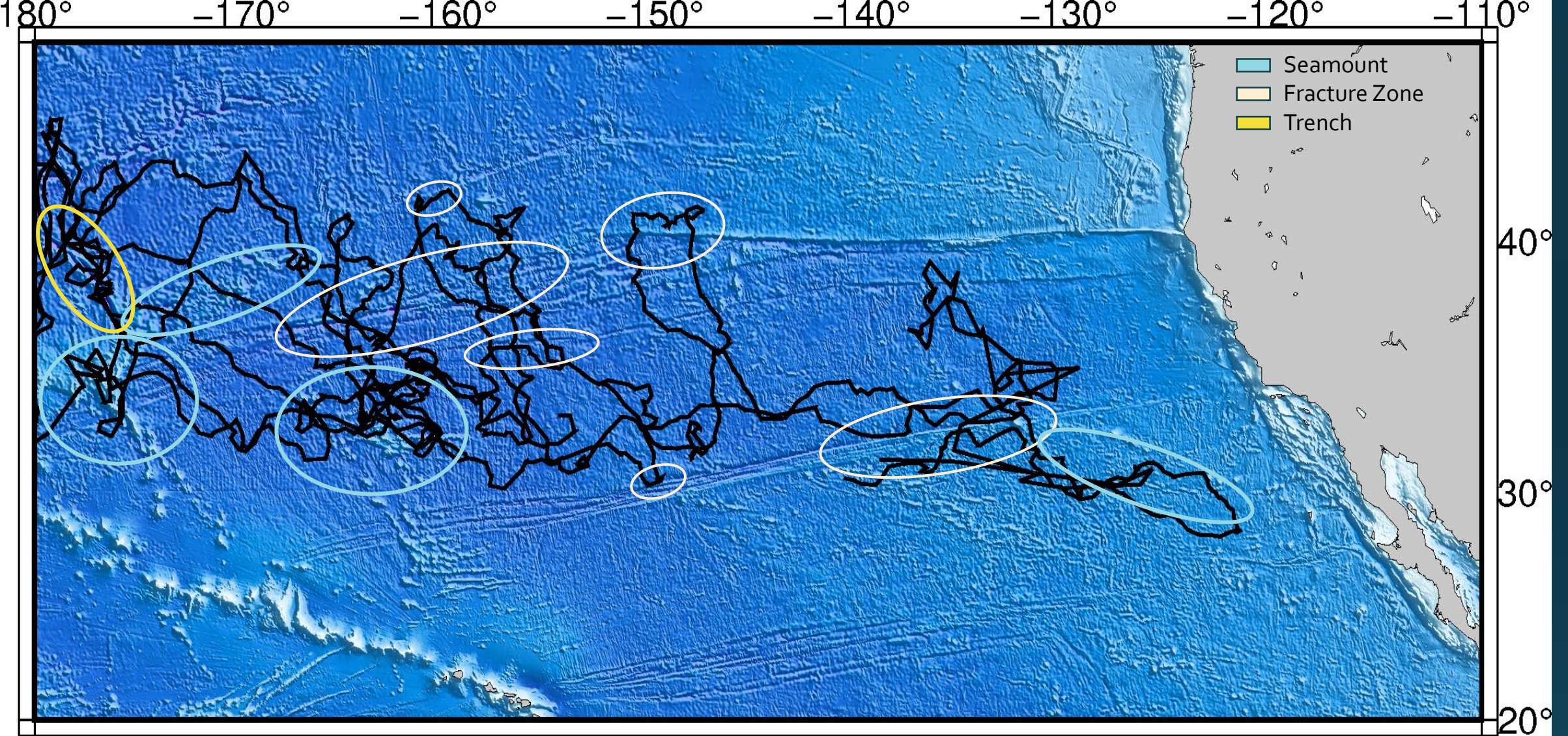
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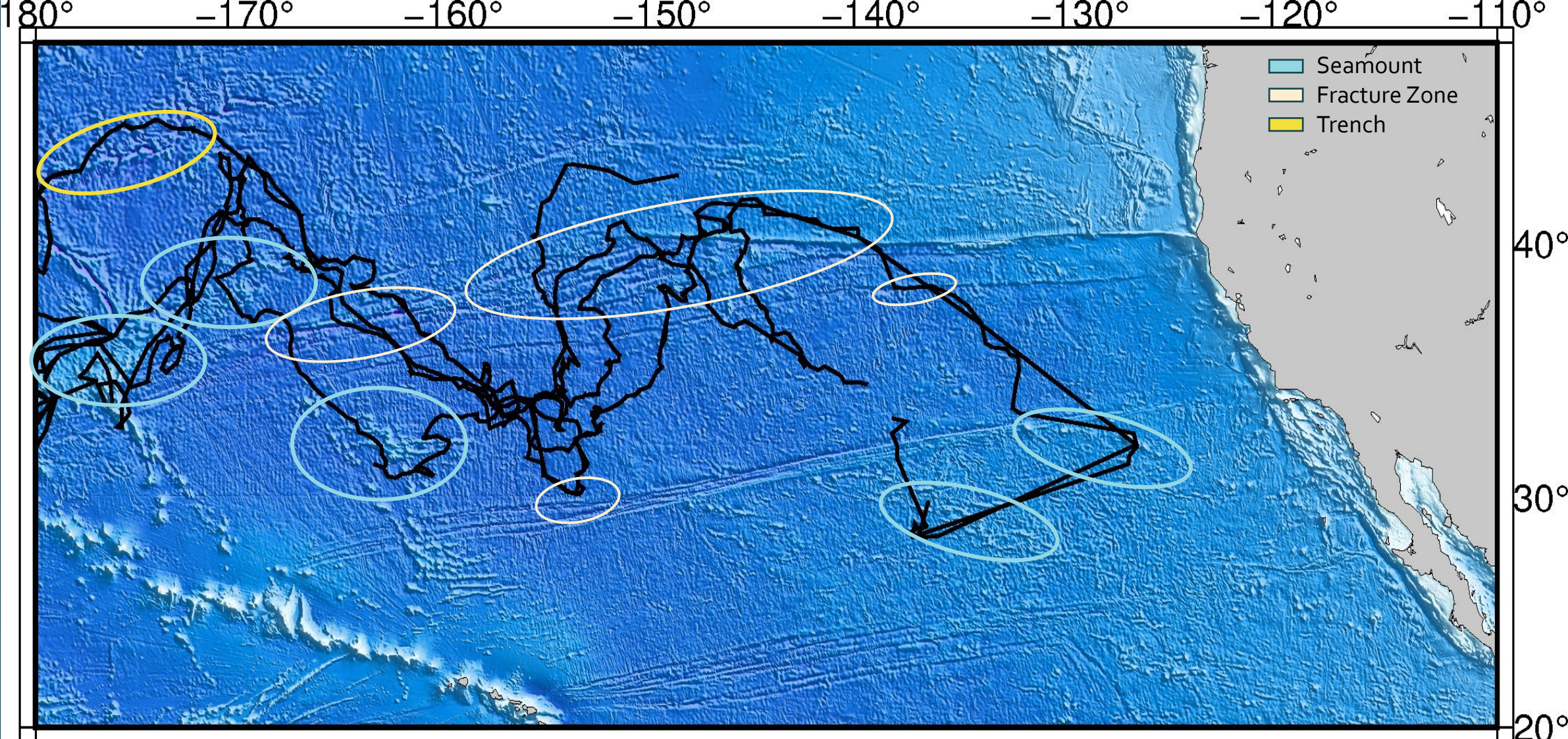
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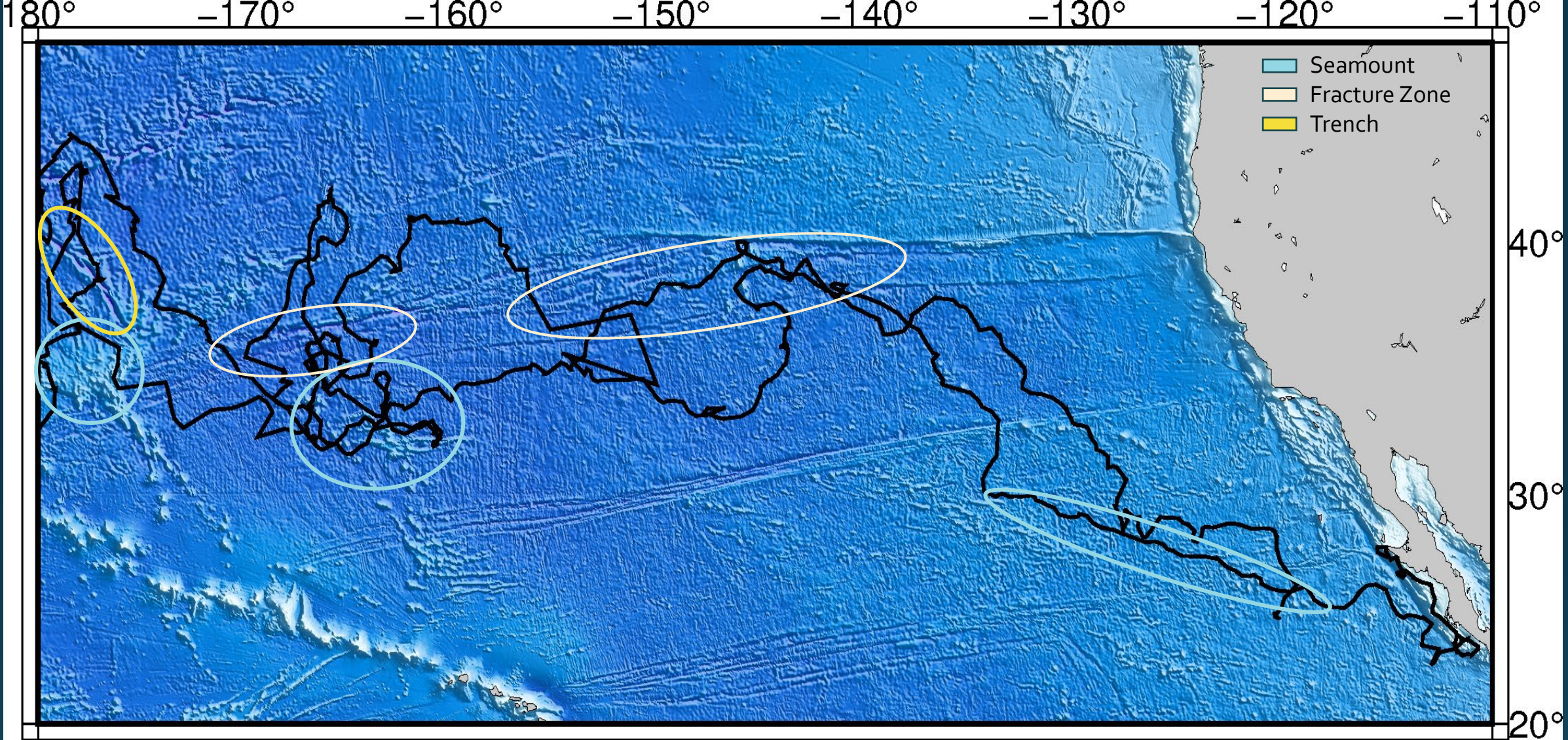
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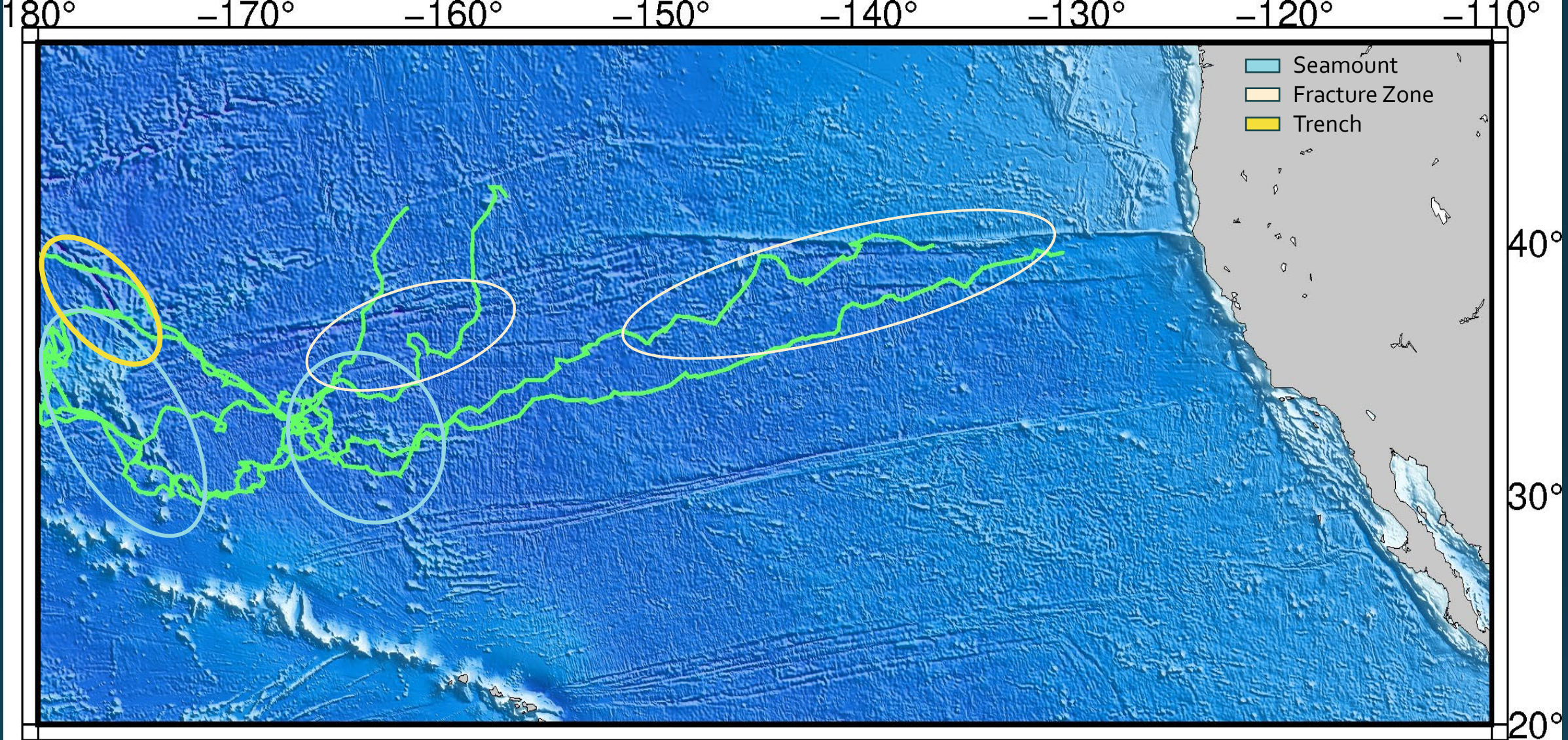
GEBCO Bathymetry



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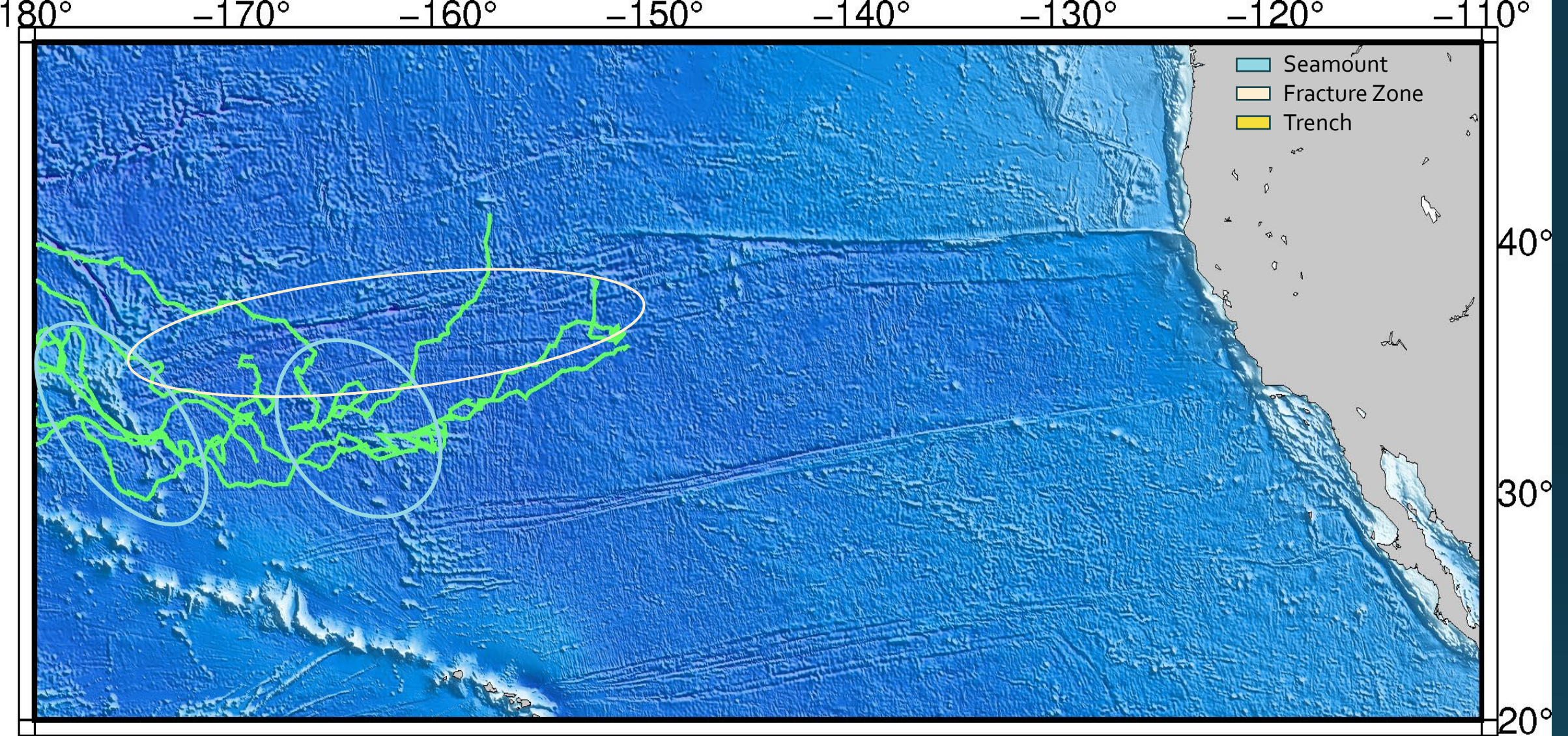
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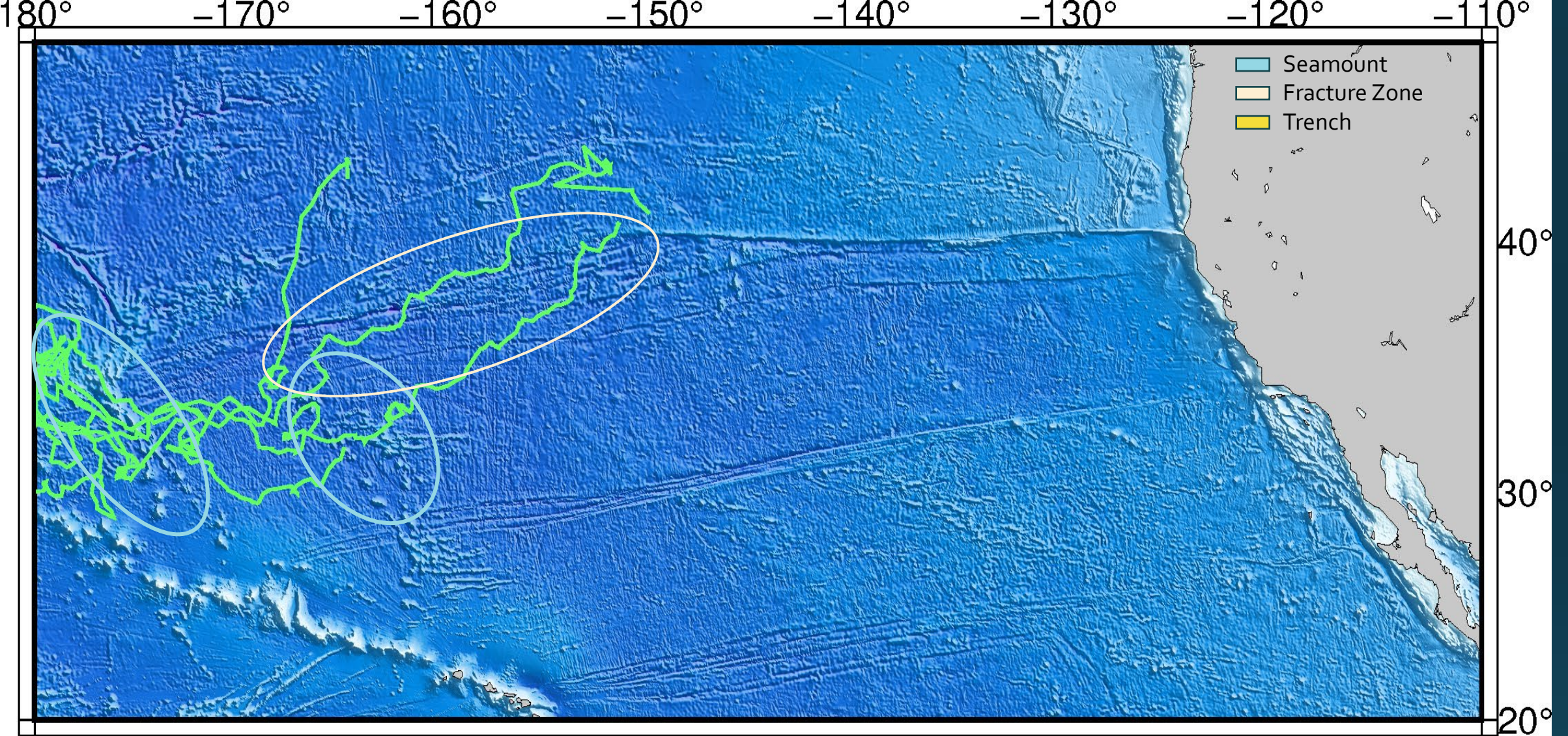
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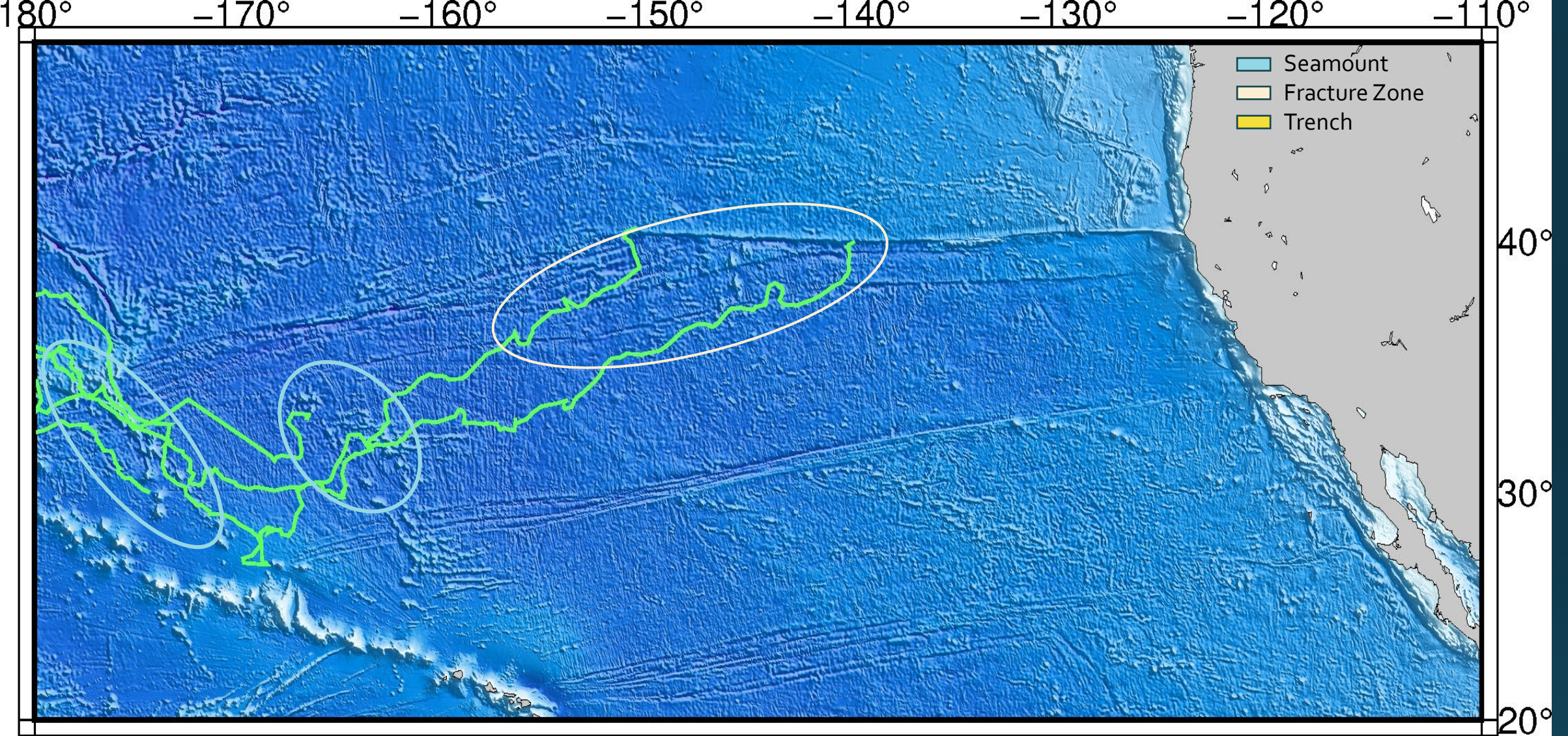
GEBCO Bathymetry

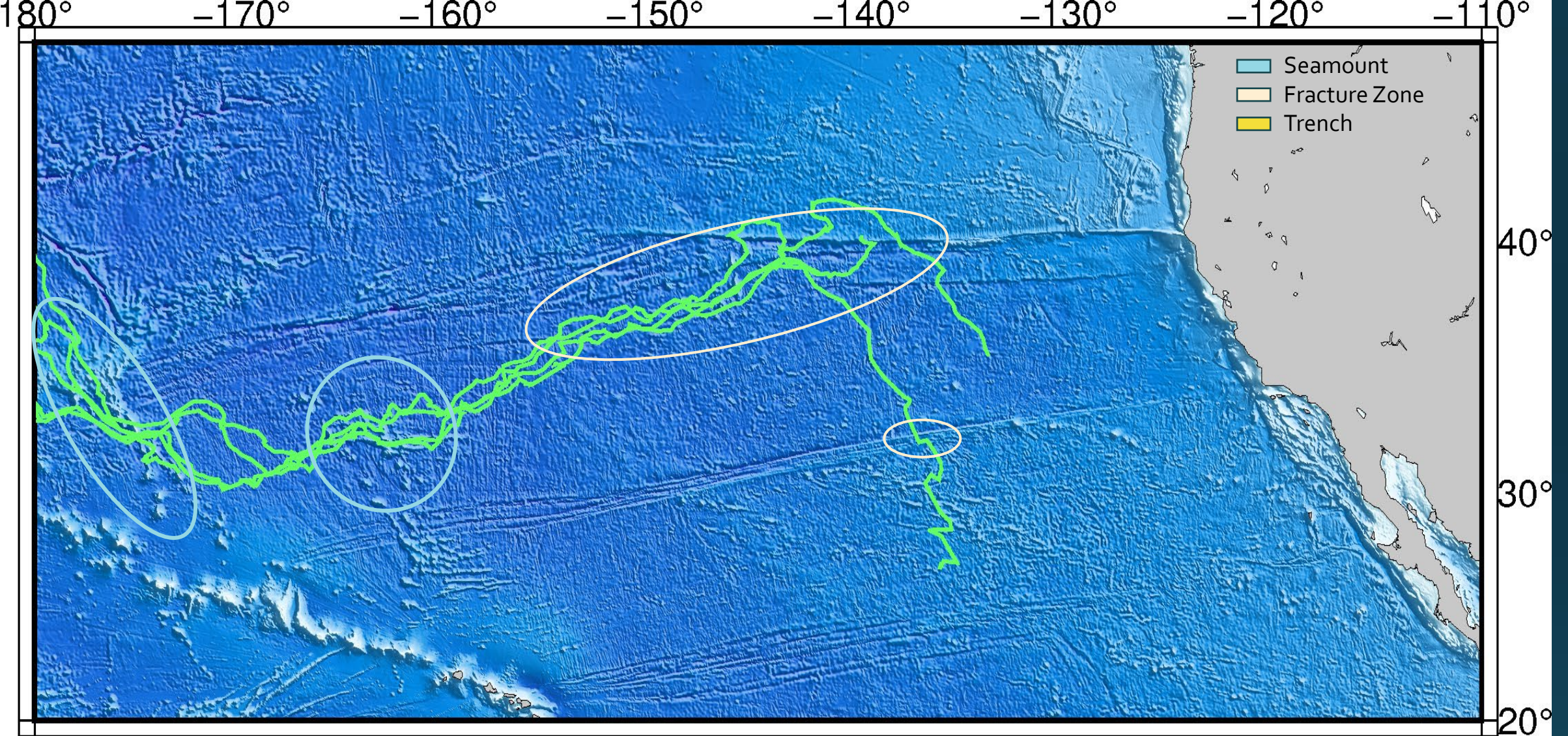


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GEBCO Bathymetry

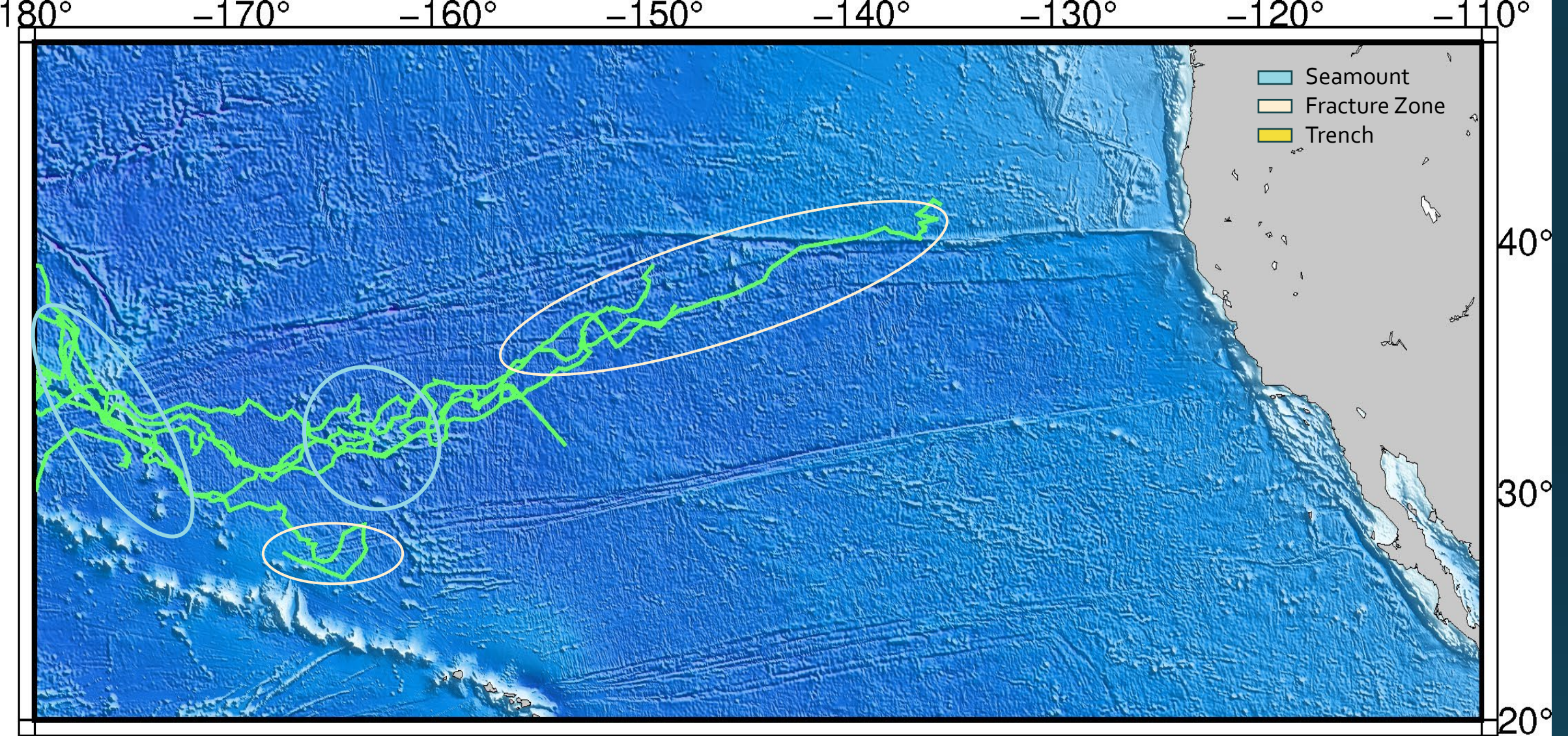




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GEBCO Bathymetry



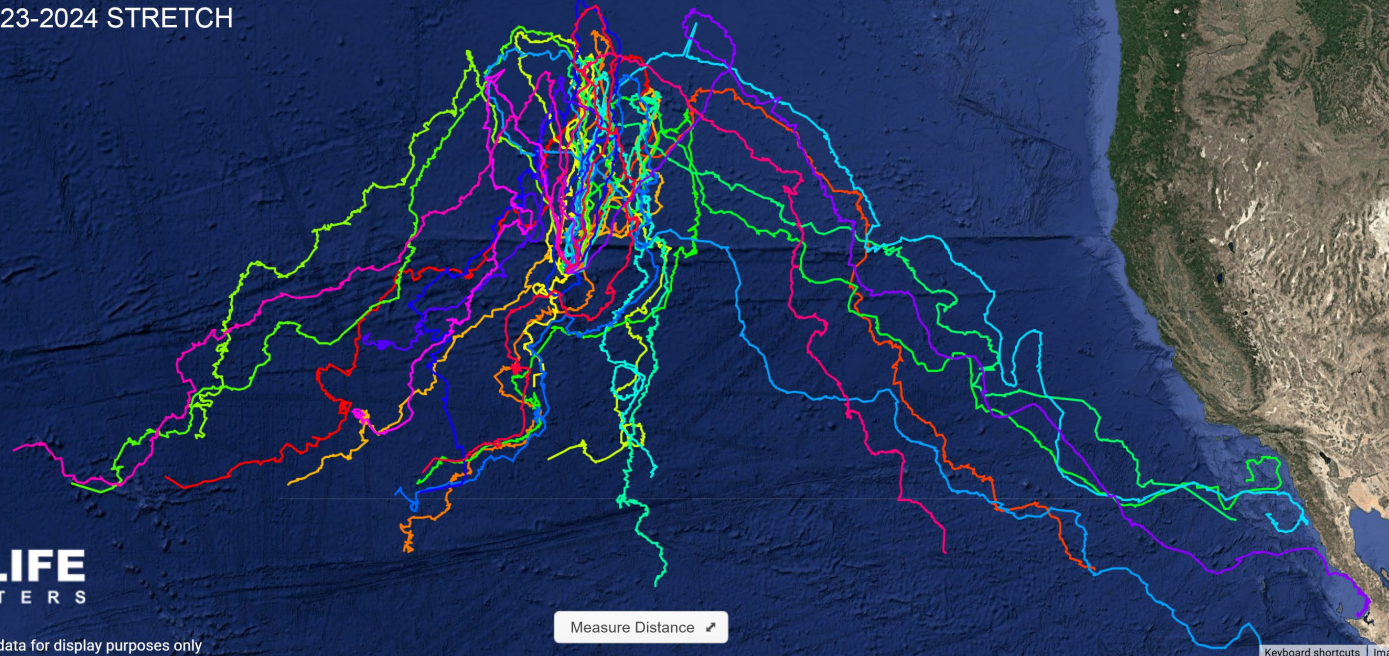
- Seamount
- Fracture Zone
- Trench

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GEBCO Bathymetry

Satellite 2023-2024 STRETCH

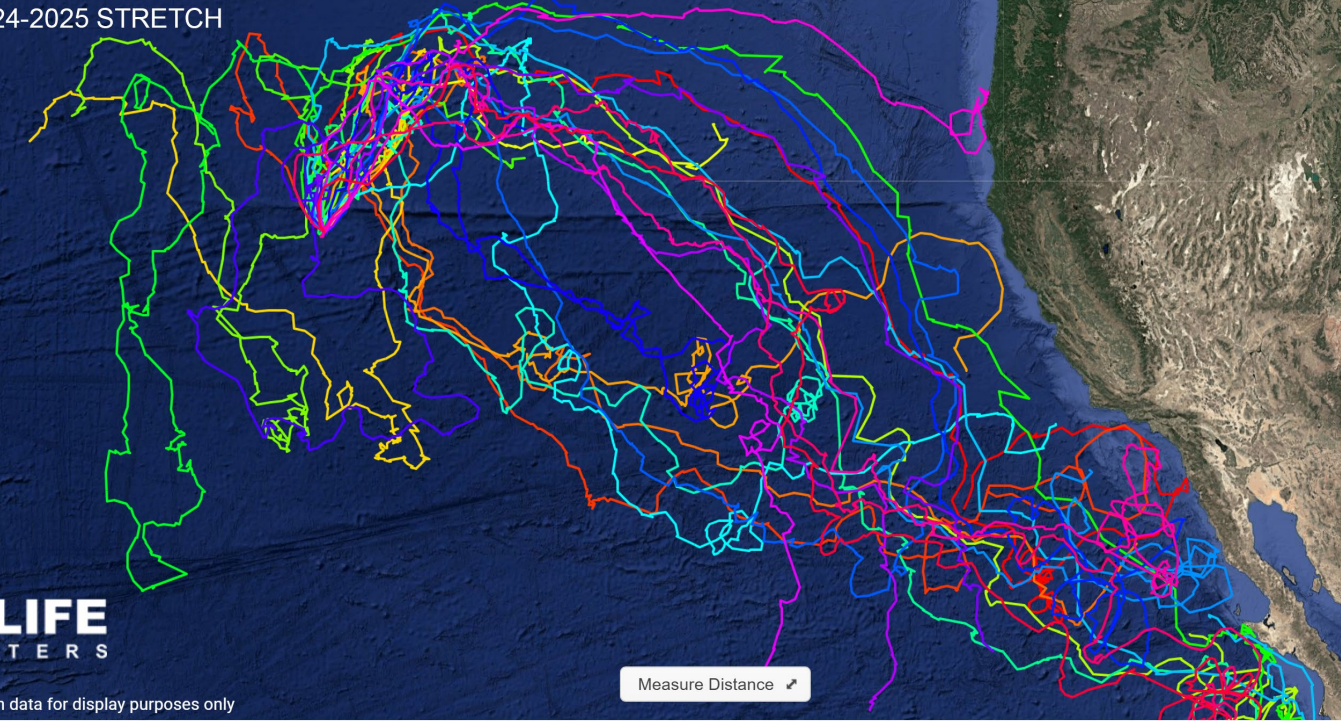


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Map of raw location data for display purposes only

<https://www.loggerheadstretch.org/map.html>

Satellite 2024-2025 STRETCH



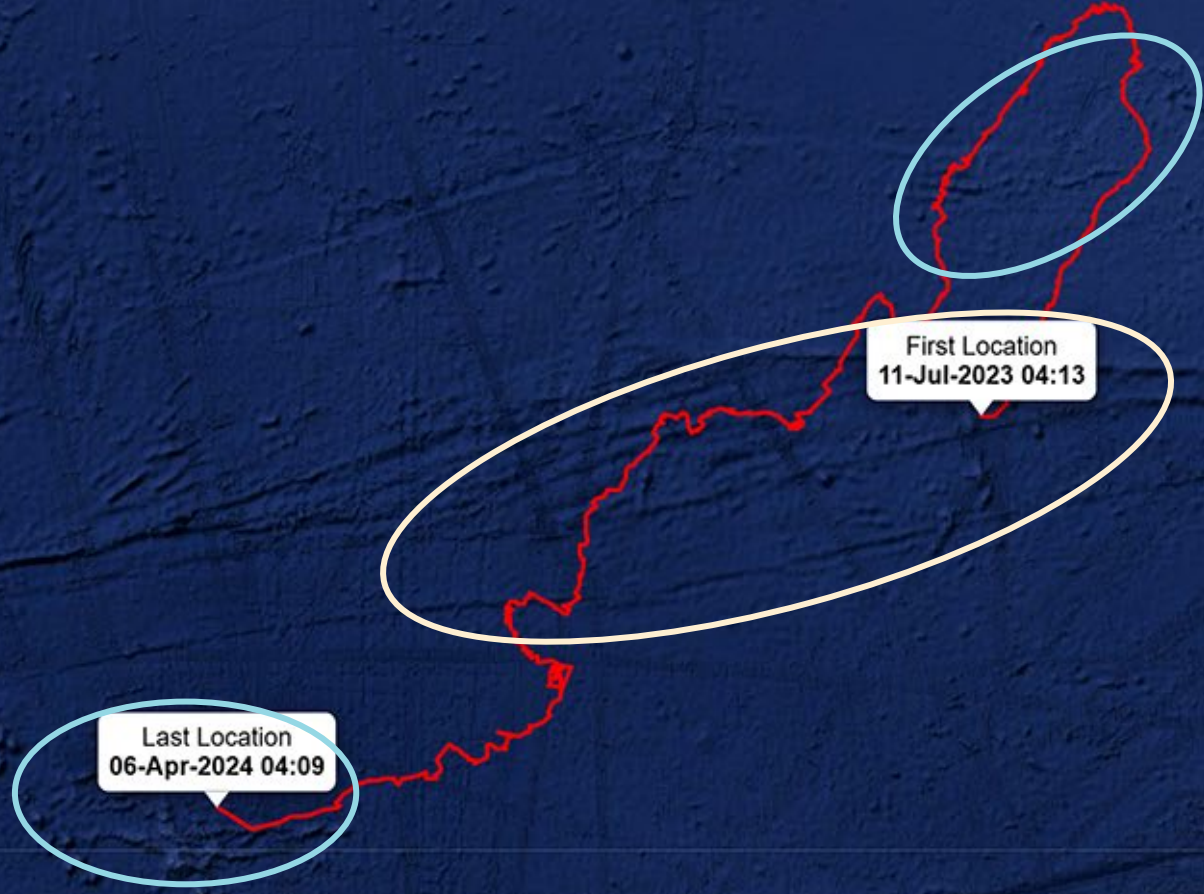
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Map of raw location data for display purposes only



2023 - Satsuki

- Seamount
- Fracture Zone
- Trench



Last Location
06-Apr-2024 04:09

First Location
11-Jul-2023 04:13

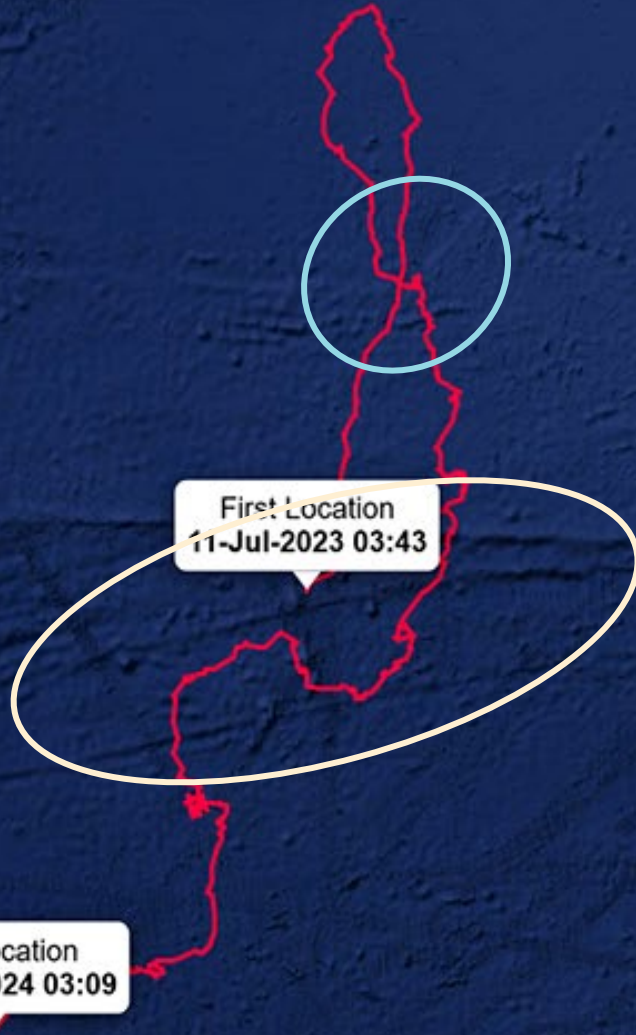
Measure Distance ↗

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- Seamount
- Fracture Zone
- Trench



First Location
11-Jul-2023 03:43

Last Location
07-Mar-2024 03:09

Measure Distance ↗

2023 - Chuy

- Seamount
- Fracture Zone
- Trench

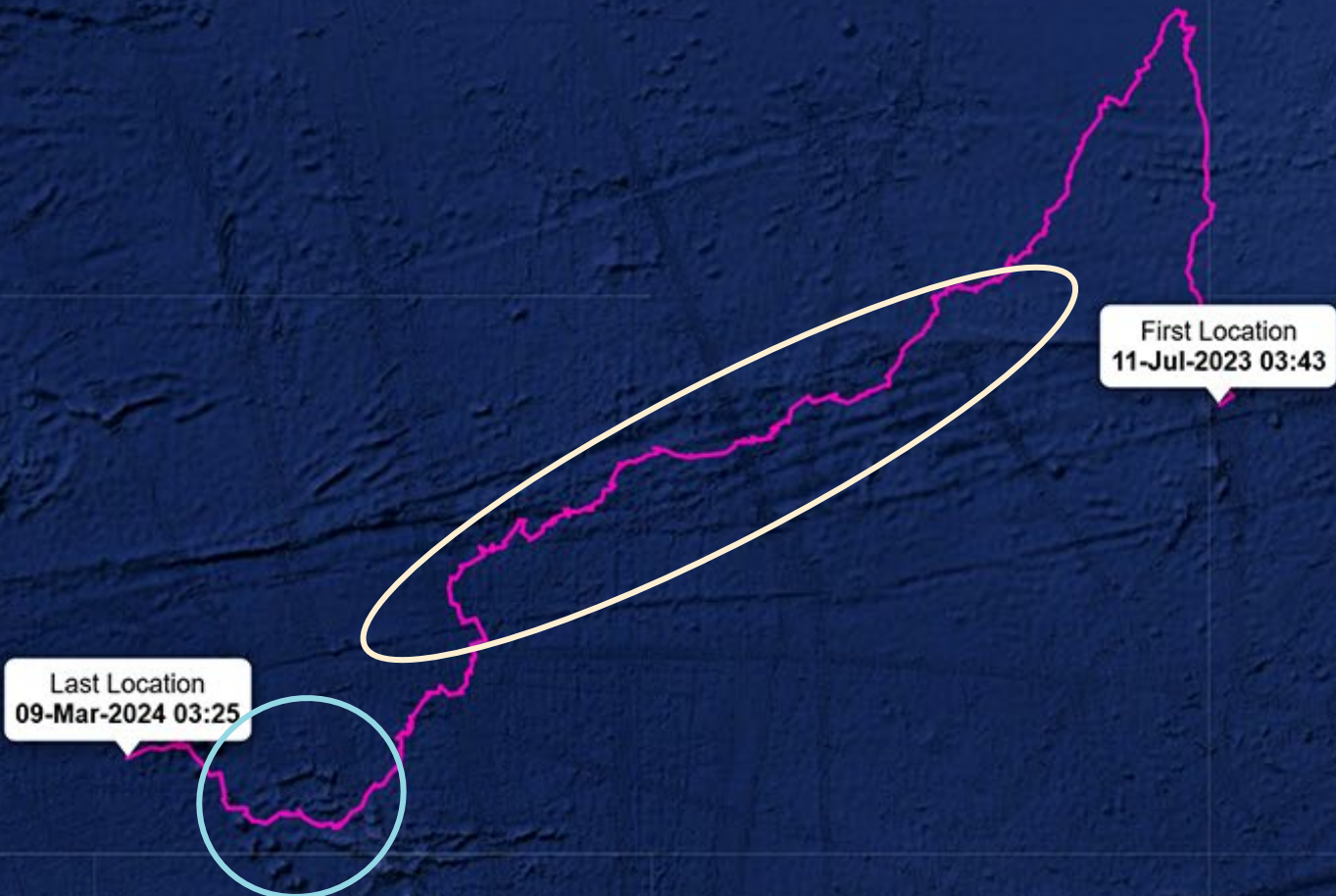
First Location
11-Jul-2023 03:43

Last Location
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Measure Distance ↗



- Seamount
- Fracture Zone
- Trench



Measure Distance ↗

- Seamount
- Fracture Zone
- Trench

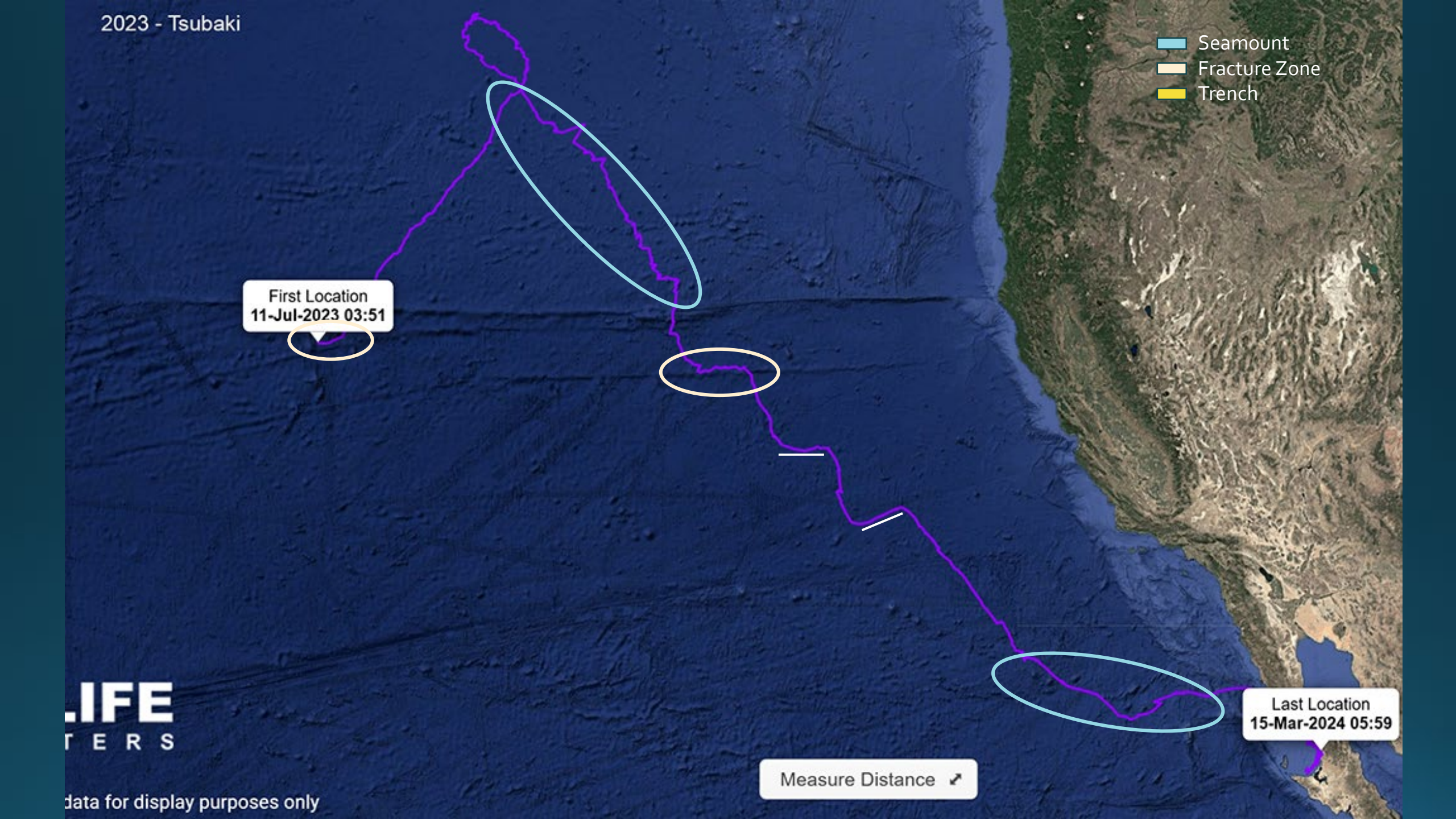
First Location
11-Jul-2023 03:51

Last Location
15-Mar-2024 05:59

Measure Distance ↗

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- Seamount
- Fracture Zone
- Trench

First Location
11-Jul-2023 03:44

Last Location
25-Mar-2024 03:31

Measure Distance ↗

E
S



- Seamount
- Fracture Zone
- Trench

First Location
11-Jul-2023 03:43

Last Location
13-Mar-2024 03:36

Measure Distance ↗

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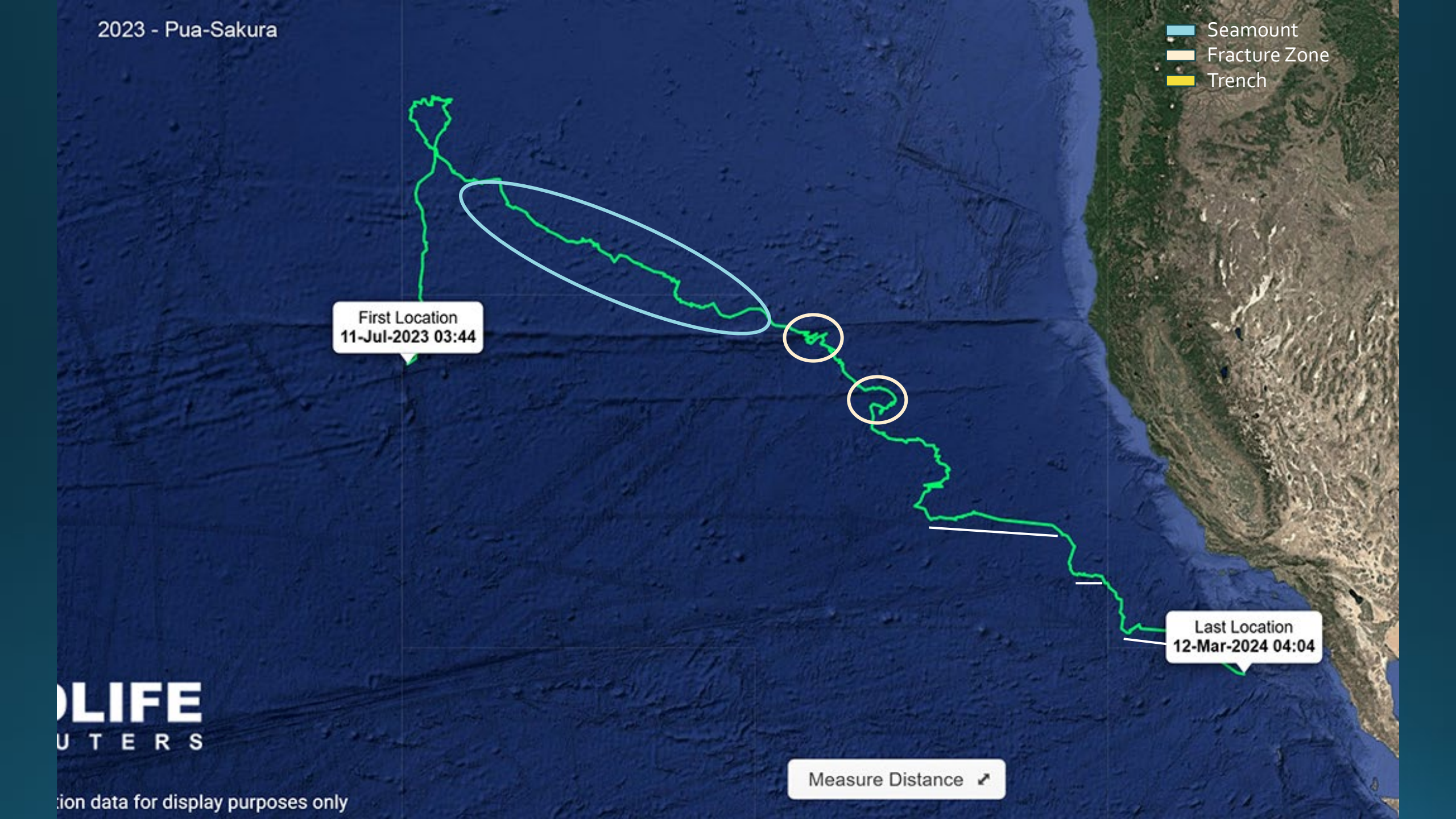
- Seamount
- Fracture Zone
- Trench

First Location
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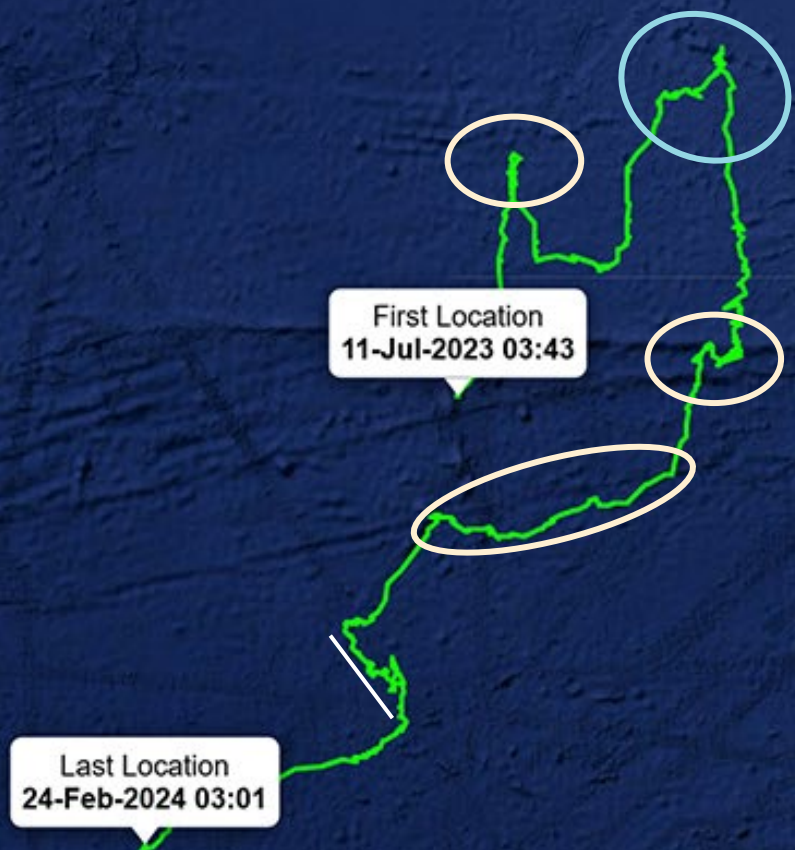
Last Location
12-Mar-2024 04:04

Measure Distance ↗

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- Seamount
- Fracture Zone
- Trench



E
S

Measure Distance ↗

2023 - Ka La 'Ula

- Seamount
- Fracture Zone
- Trench

First Location
11-Jul-2023 04:11

Last Location
21-Mar-2024 05:38

Measure Distance ↗

DLIFE
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ocation data for display purposes only

- Seamount
- Fracture Zone
- Trench

First Location
08-Jul-2024 03:11

Last Location
19-Jun-2025 19:20

Measure Distance ↗

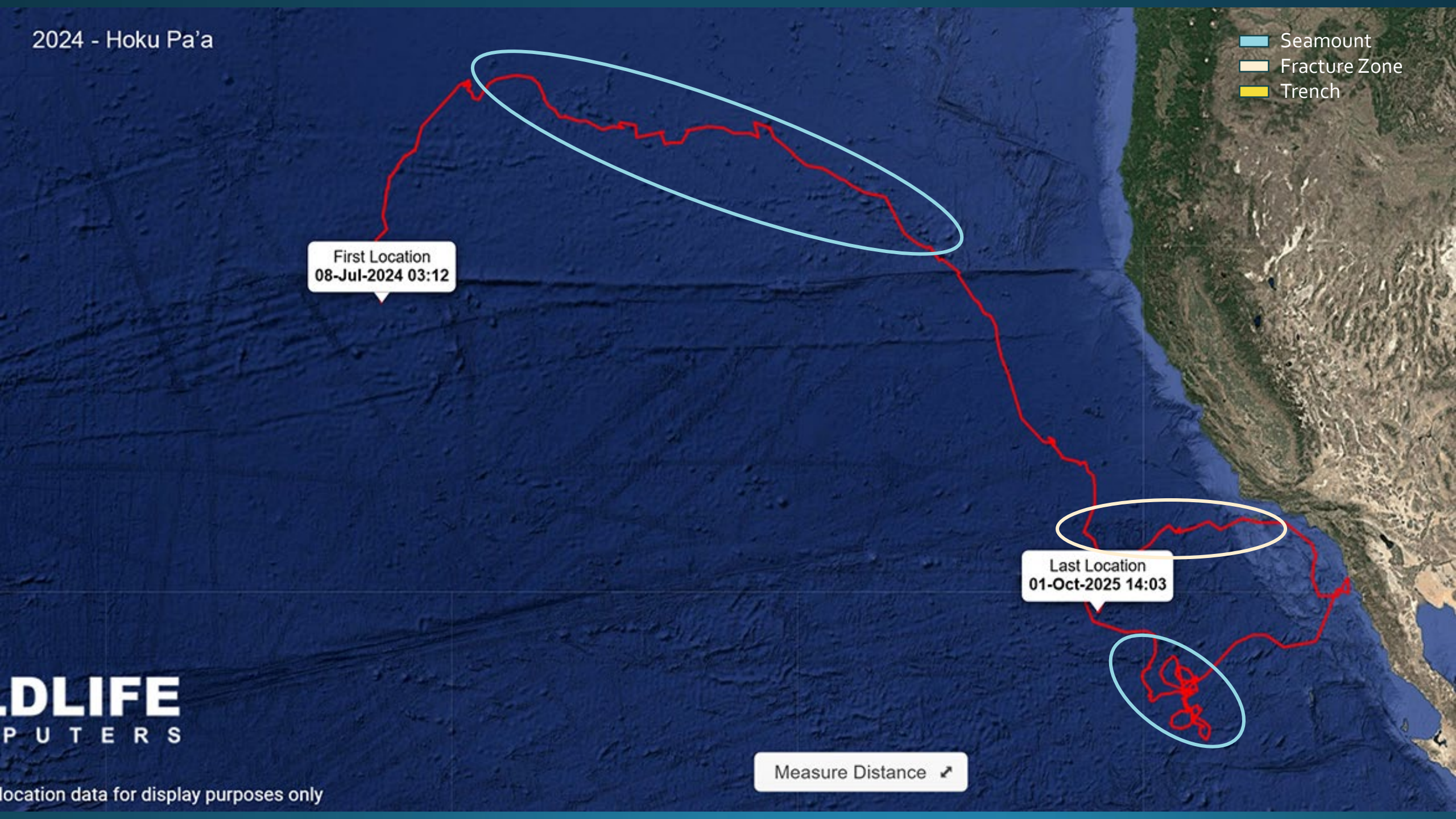


- Seamount
- Fracture Zone
- Trench

First Location
08-Jul-2024 03:12

Last Location
01-Oct-2025 14:03

Measure Distance ↗



2024 - Pericu

- Seamount
- Fracture Zone
- Trench

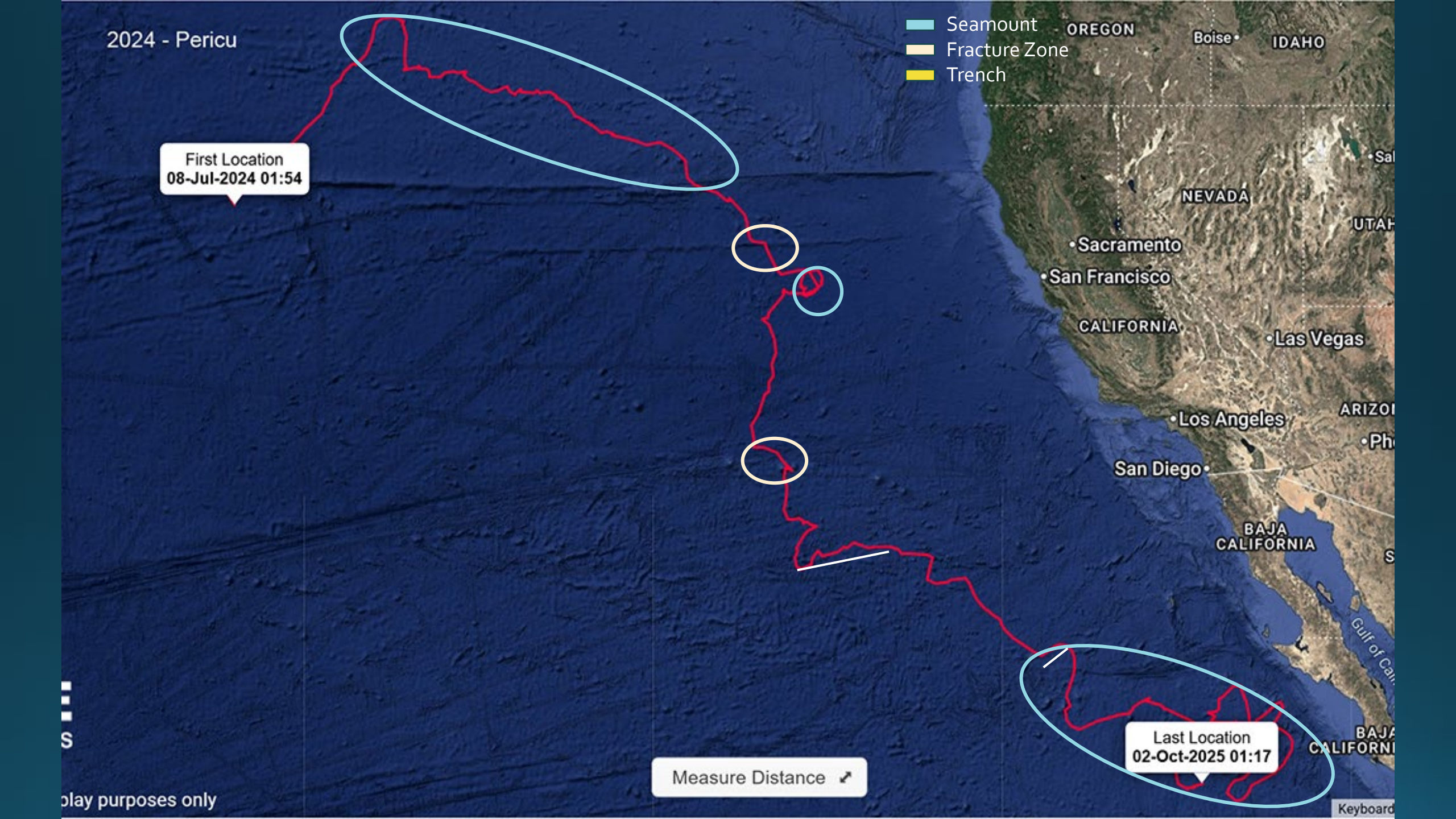
First Location
08-Jul-2024 01:54

Last Location
02-Oct-2025 01:17

Measure Distance ↗

play purposes only

Keyboard



2024 - 'Ehnally

- Seamount
- Fracture Zone
- Trench

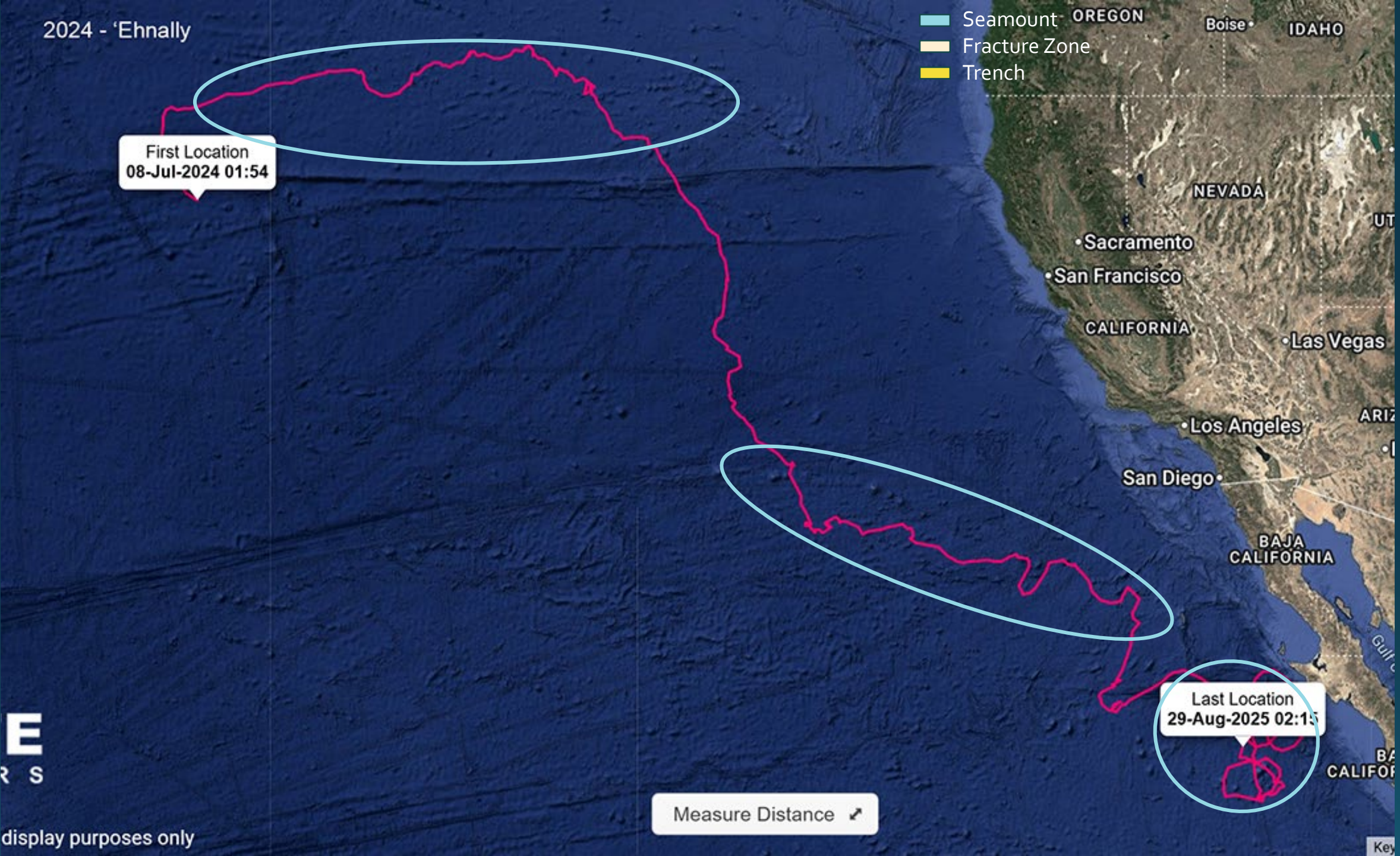
First Location
08-Jul-2024 01:54

Last Location
29-Aug-2025 02:15

Measure Distance ↗

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R S

display purposes only



2024 - Moana Kai

- Seamount
- Fracture Zone
- Trench

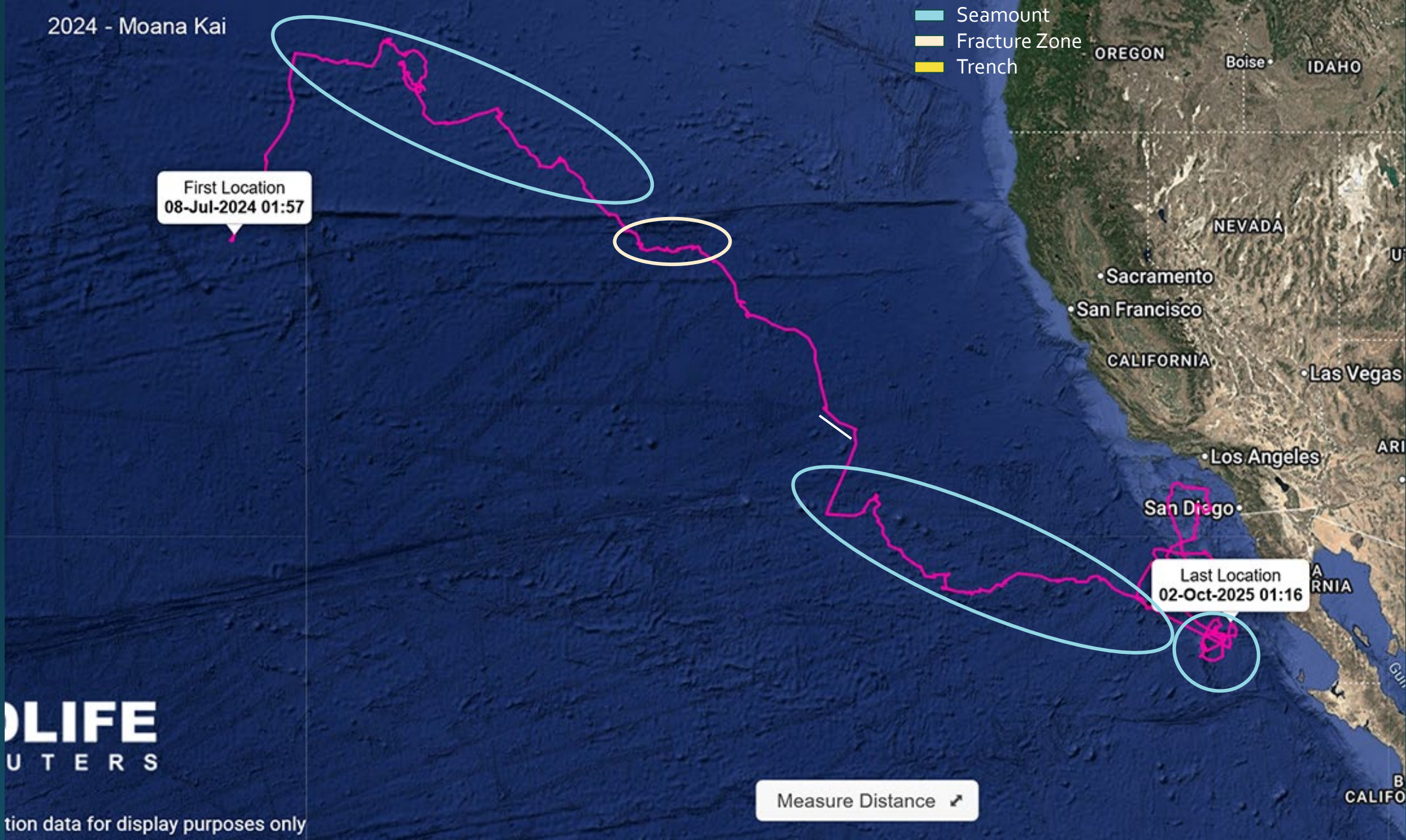
First Location
08-Jul-2024 01:57

Last Location
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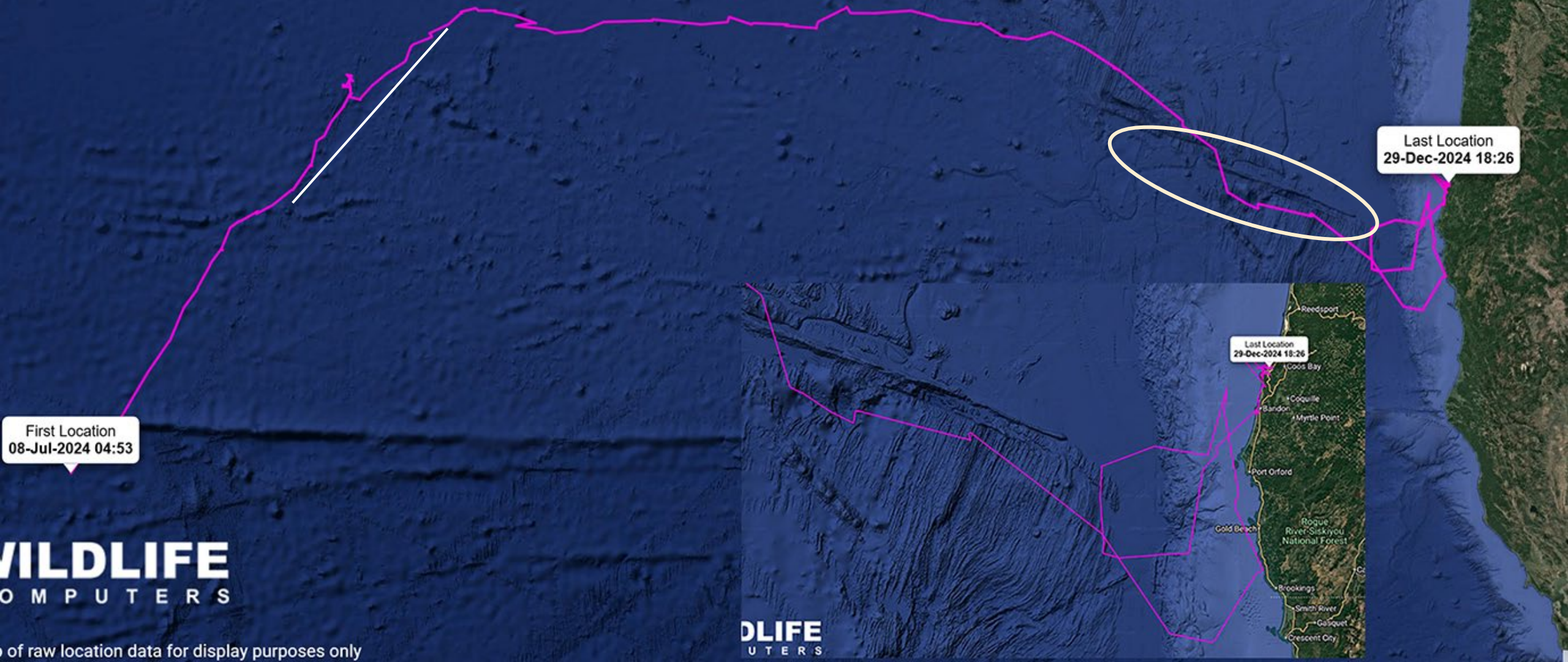
Measure Distance ↗

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- Seamount
- Fracture Zone
- Trench



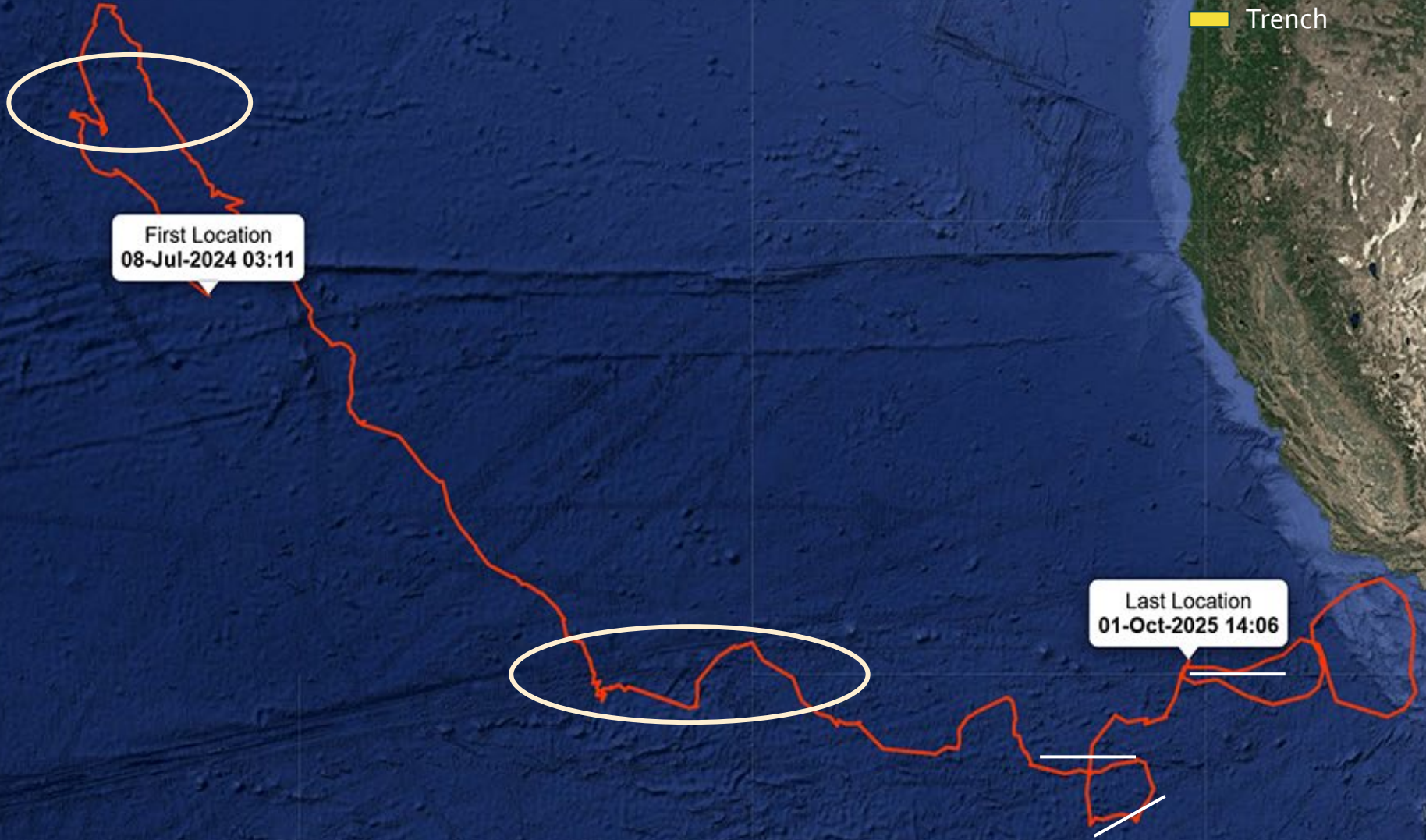
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of raw location data for display purposes only

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2024 - Eni

- Seamount
- Fracture Zone
- Trench



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location data for display purposes only

Measure Distance ↗

2024 - Ho'omau

- Seamount
- Fracture Zone
- Trench

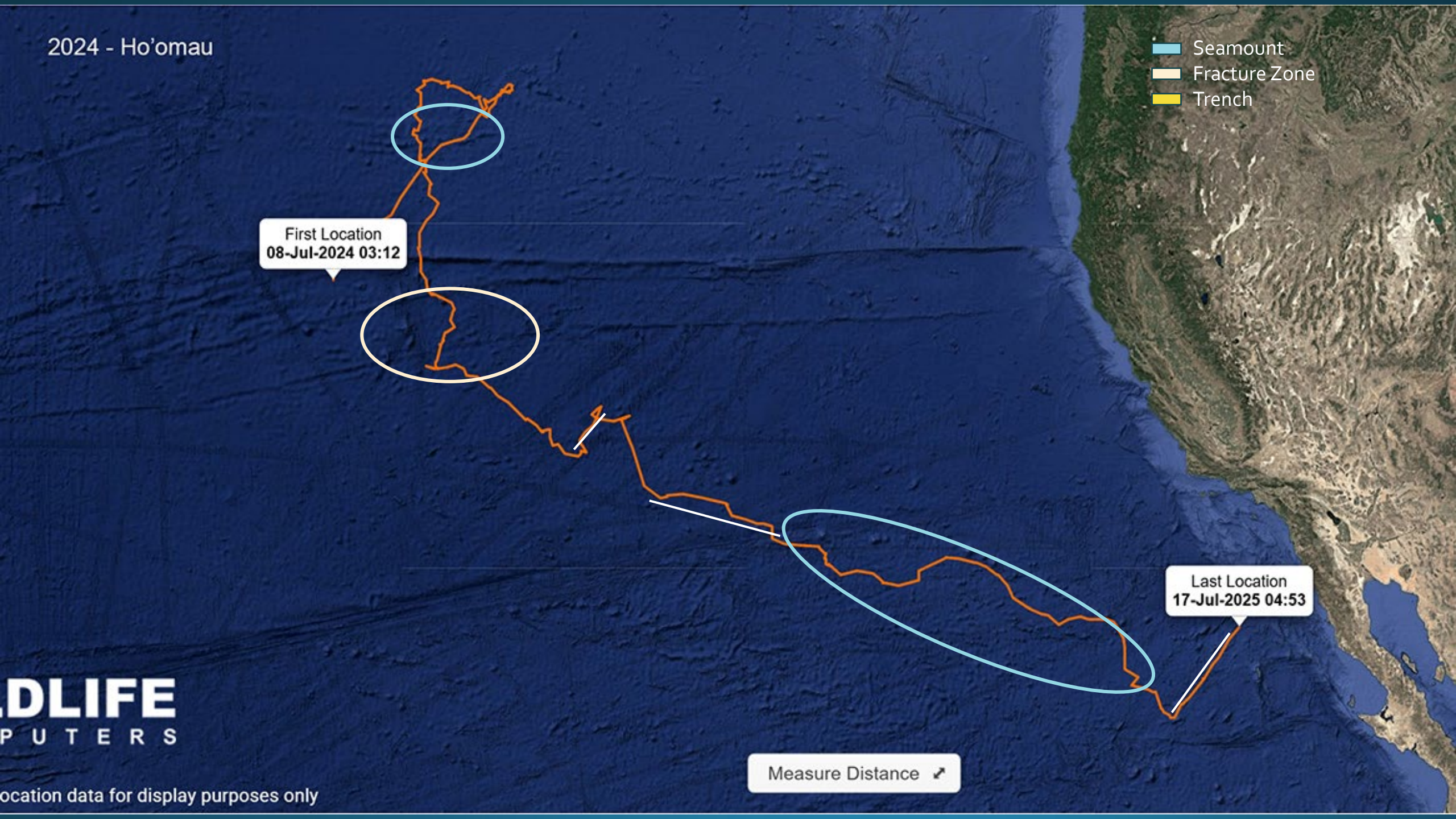
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08-Jul-2024 03:12

Last Location
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DLIFE
PUTERS

Measure Distance ↗

ocation data for display purposes only



2024 - Niparaya

- Seamount
- Fracture Zone
- Trench

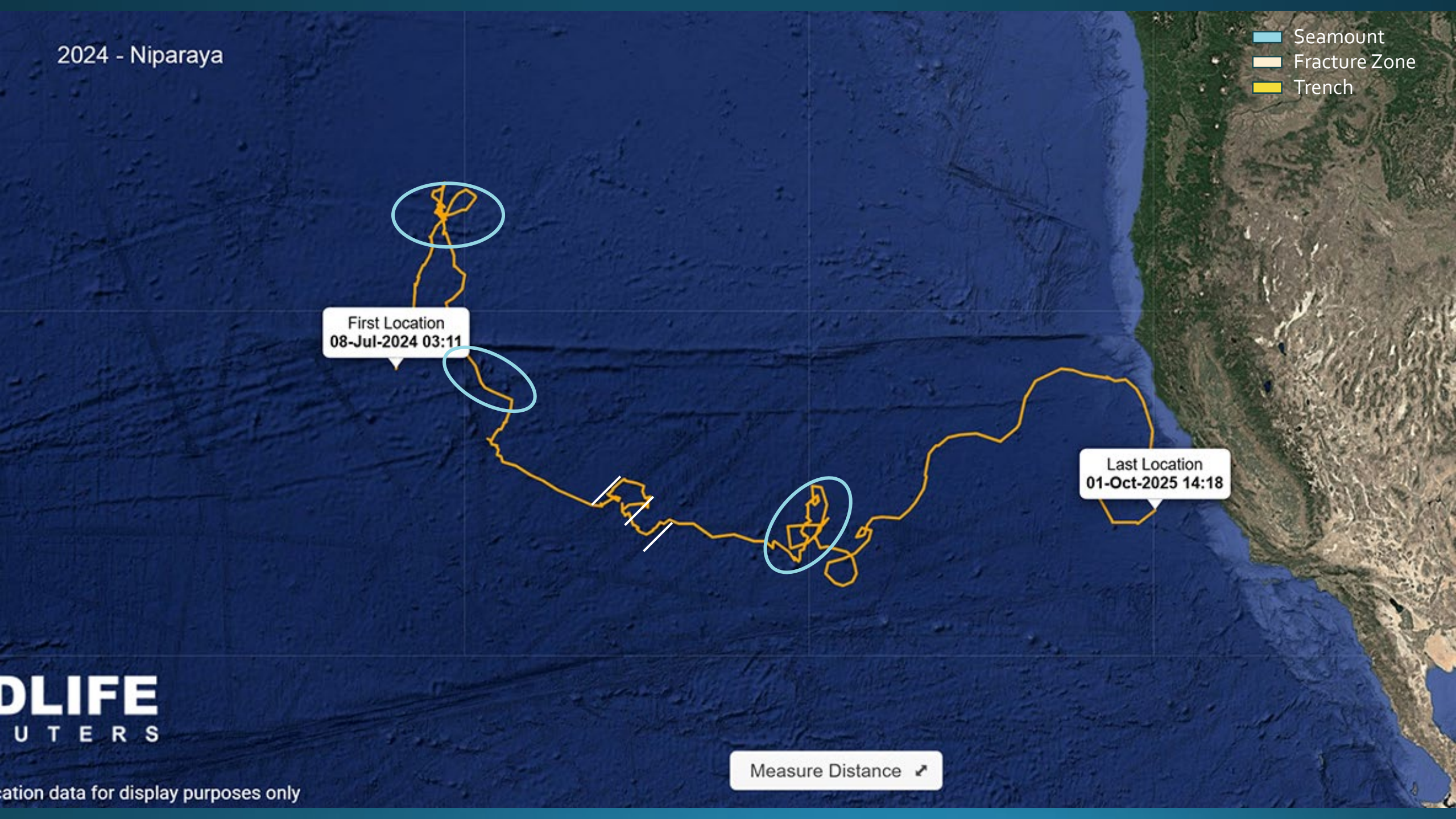
First Location
08-Jul-2024 03:11

Last Location
01-Oct-2025 14:18

DLIFE
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ation data for display purposes only

Measure Distance ↗



2024 - Purutai

- Seamount
- Fracture Zone
- Trench

Last Location
29-Sep-2025 21:55

First Location
08-Jul-2024 03:11

LIFE
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Measure Distance ↗

data for display purposes only

2024 - Mei

First Location
08-Jul-2024 04:43

Last Location
08-Sep-2025 04:43

- Seamount
- Fracture Zone
- Trench

2024 - Rosa

First Location
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Last Location
01-Oct-2025 14:04

2024 - Fumi

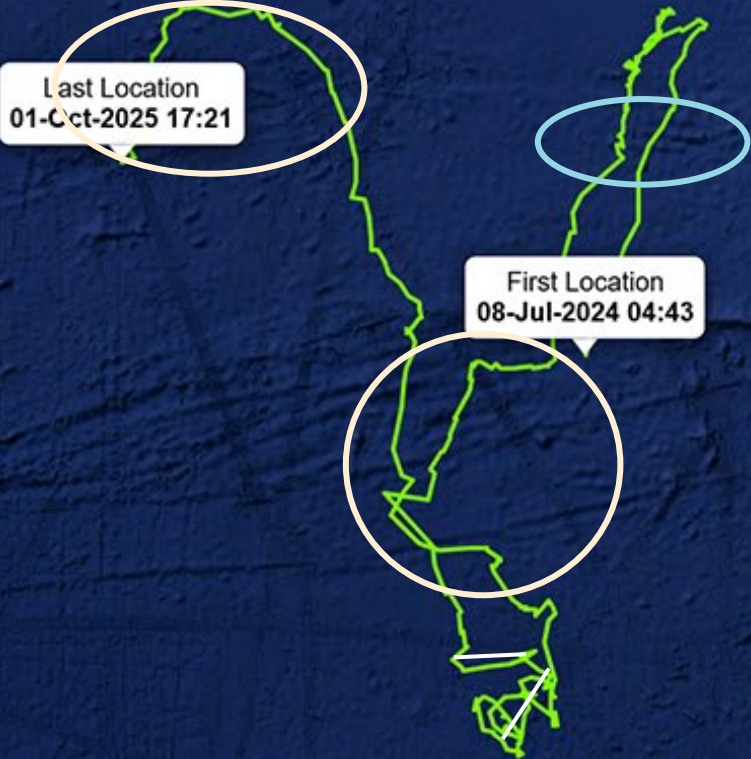
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Last Location
01-Oct-2025 14:17

Measure Distance ↗



- Seamount
- Fracture Zone
- Trench



Measure Distance ↗

2025 - Hanada

- Seamount
- Fracture Zone
- Trench

Last Location
27-Sep-2025 15:09



First Location
08-Jul-2025 03:00

Measure Distance ↗

DLIFE
PUTERS

location data for display purposes only

2025 - Heki

- Seamount
- Fracture Zone
- Trench



First Location
08-Jul-2025 03:00

Last Location
29-Sep-2025 17:09

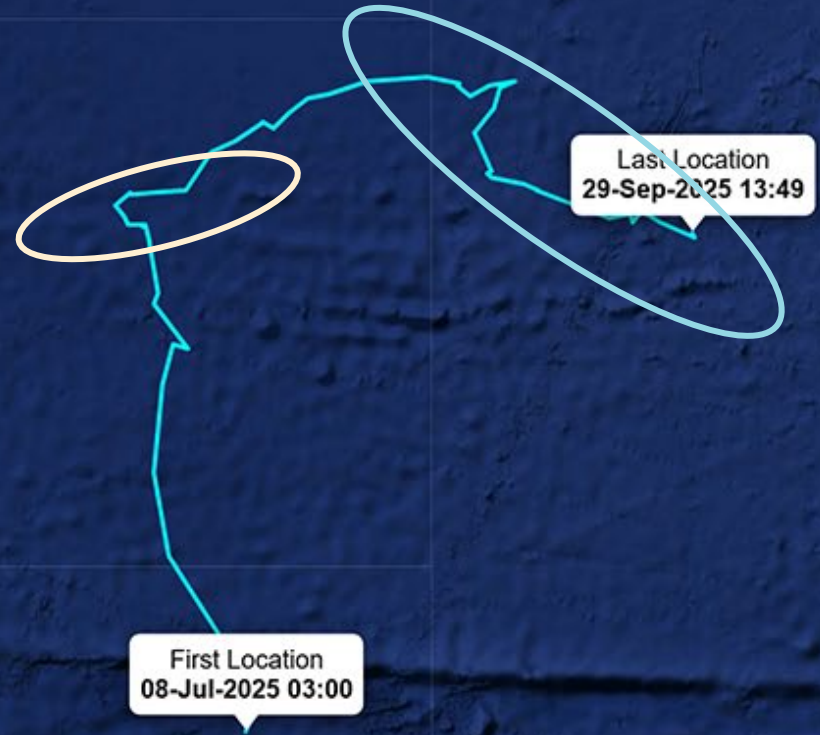
Measure Distance ↗

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location data for display purposes only

2025 - Kaua'i

- Seamount
- Fracture Zone
- Trench



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Measure Distance ↗

Thank you



A few references

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