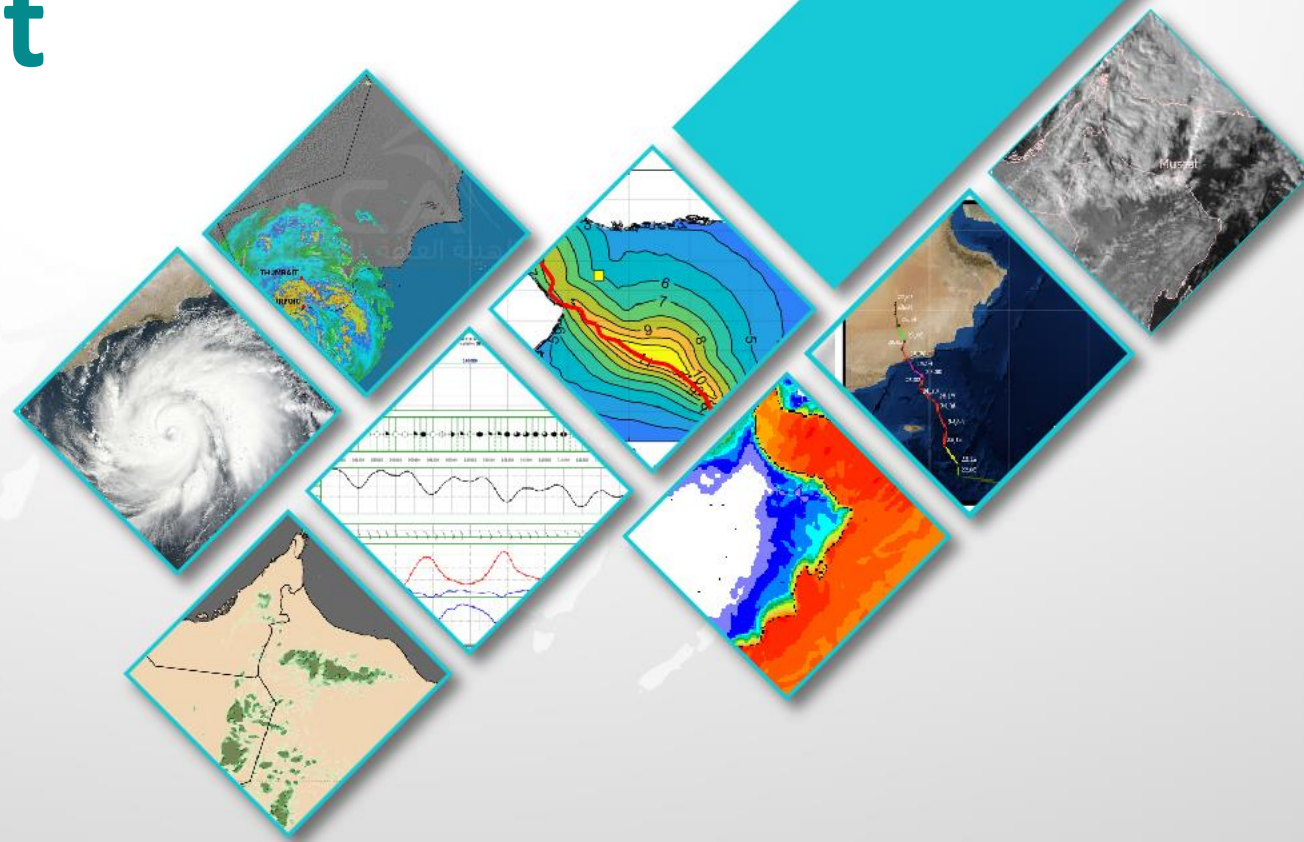




Kyarr Cyclone inundation along Sea of Oman coast

Content creator: [Khalifa Al Sudairi](#)
And [Jamal Al Hinai](#)
Lecturer: [Jamal Al Hinai](#)



Content

- Motivation
- Bathymetry knowledge
- Tidal information
- Wave Height and period

Motivation



طقس عُمان
@WeatherOman

أجمل مقطع تم تصويره لتأثيرات الانواء المناخية #كيار #Kyarr الغير مباشرة على كورنيش #مطرح صباح اليوم من تصوير المبدع هيثم الفارسي @FarsiHaitham



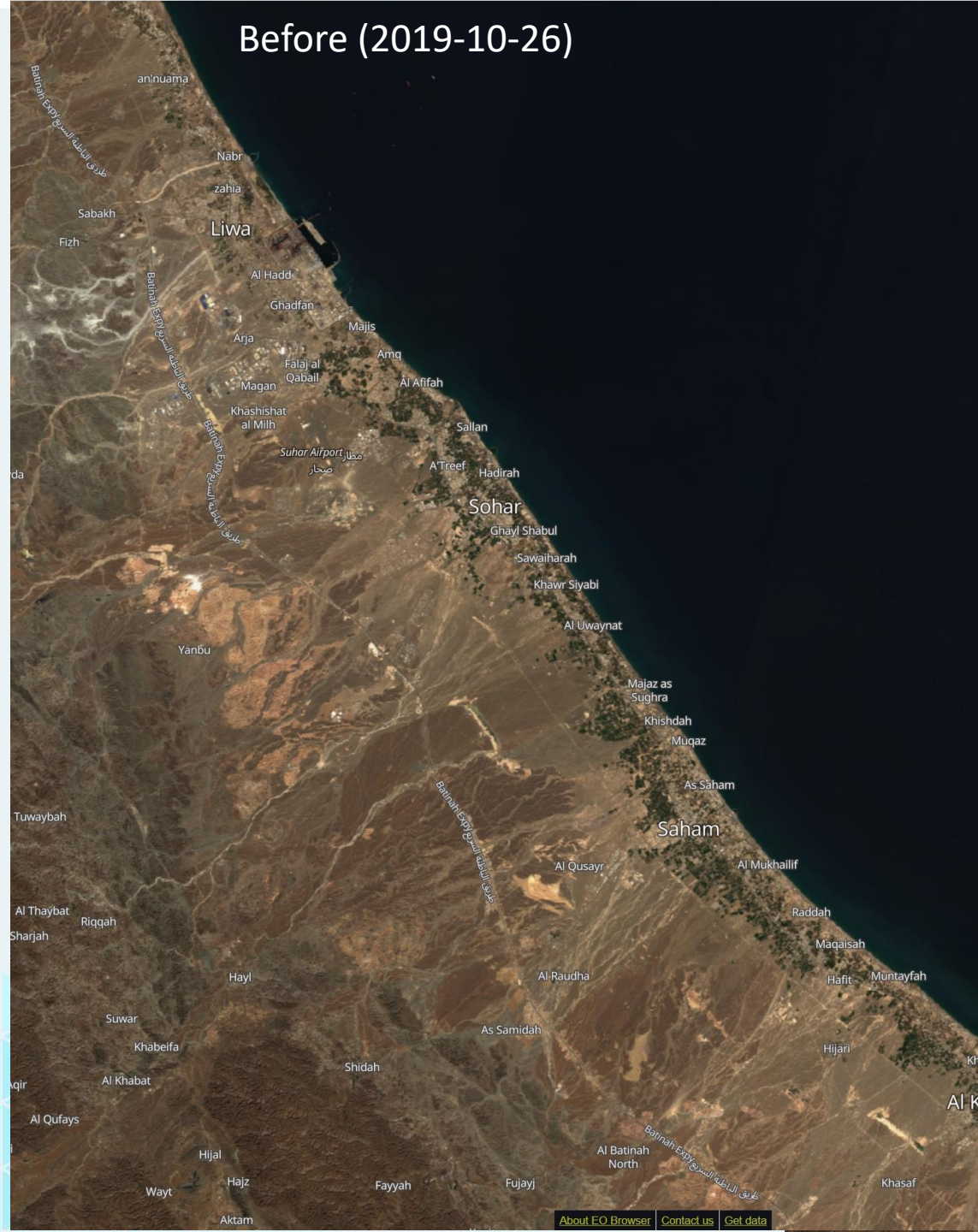


Centre of Excellence-MUSCAT
for Satellite Applications



هيئة الطيران المدني

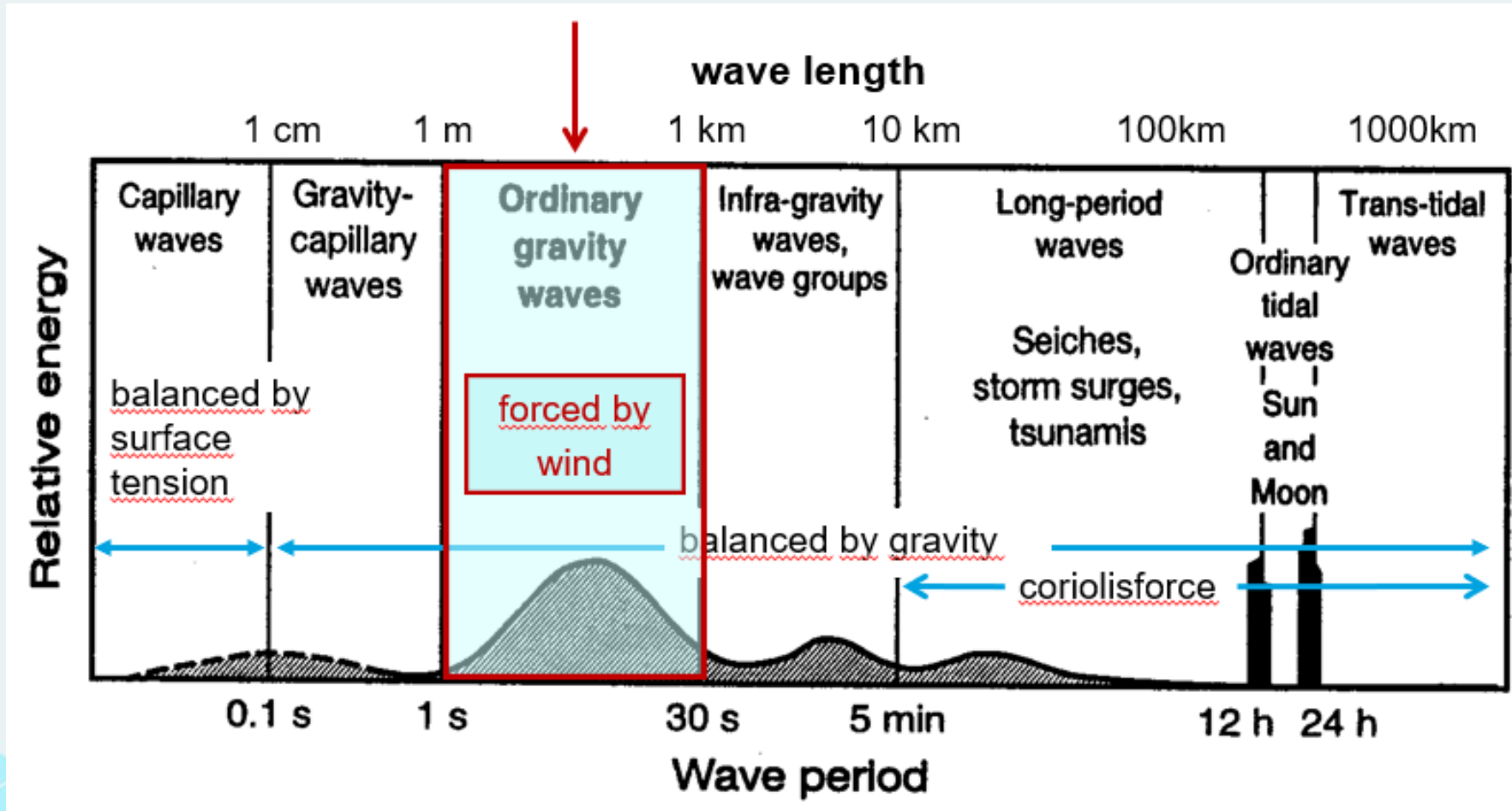
Before (2019-10-26)



After (2019-10-31)



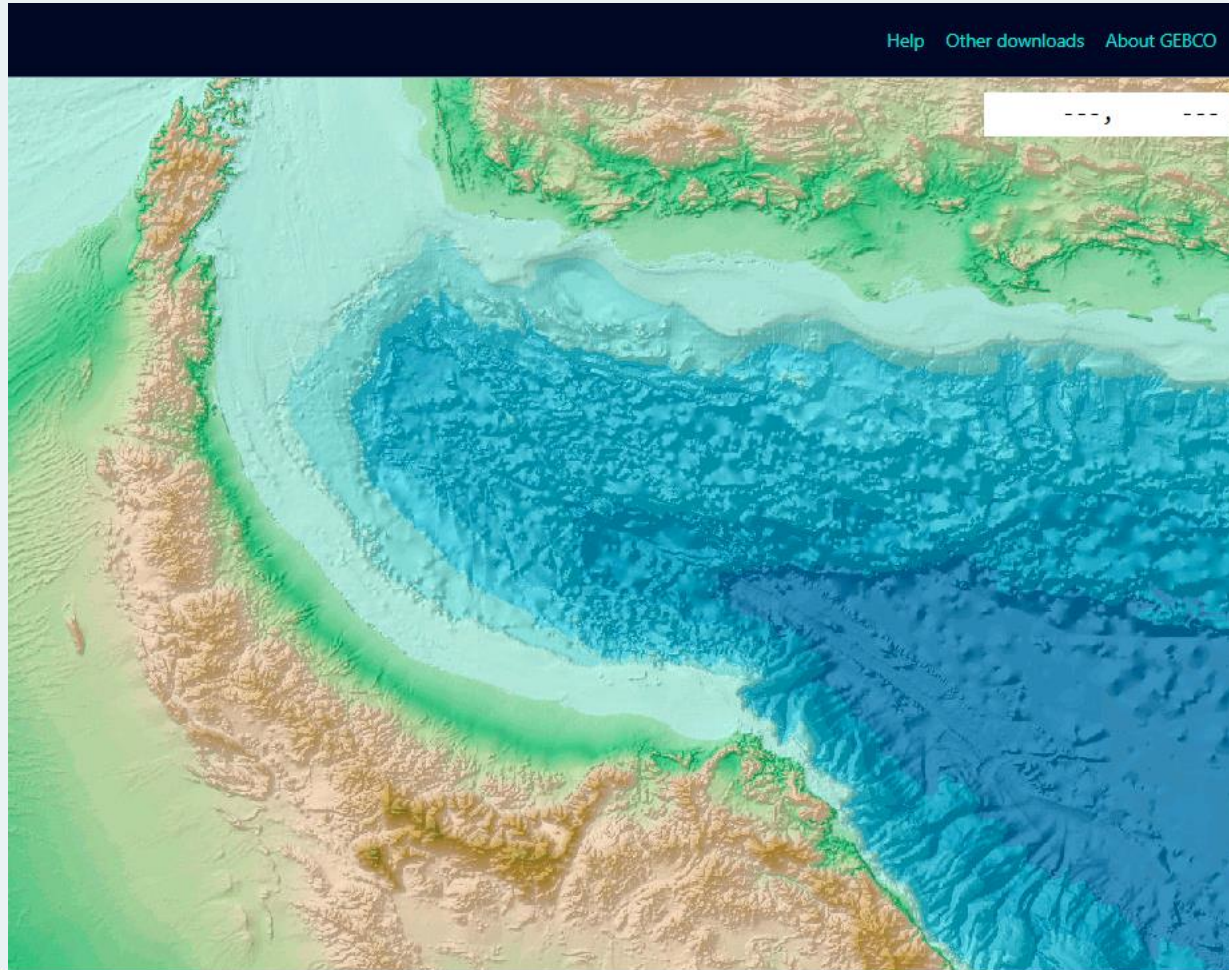
The highest relative energy wave



Bathymetry Information:

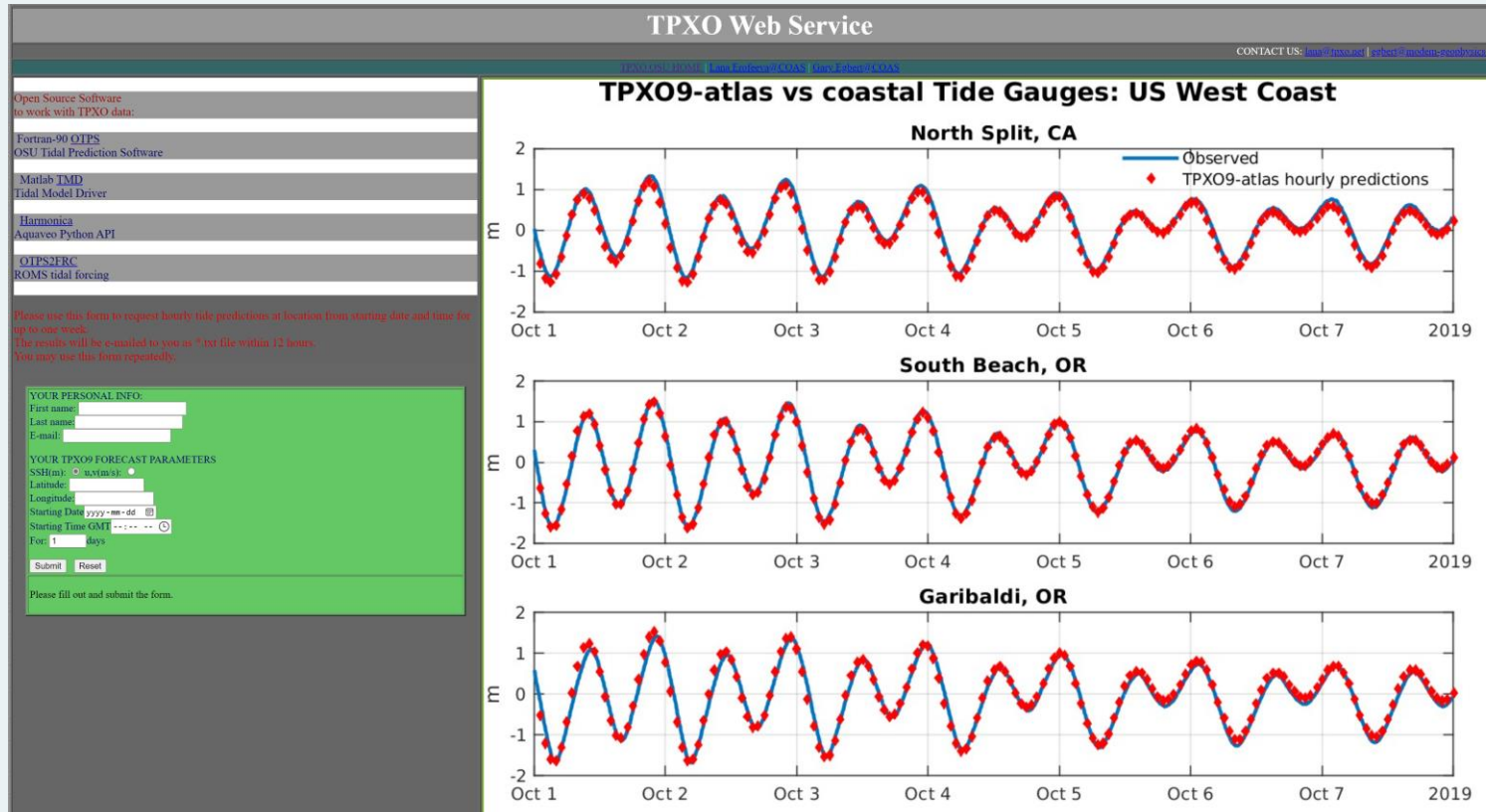
[GEBCO data download](https://download.gebco.net/)

<https://download.gebco.net/>



Tidal Information: (Point)

Got to: [TPXO Web Service \(tpxows.azurewebsites.net\)](http://tpxows.azurewebsites.net)



Tidal Information:

YOUR PERSONAL INFO:
First name:
Last name:
E-mail:

YOUR TPX09 FORECAST PARAMETERS
SSH(m): u,v(m/s):
Latitude:
Longitude:
Starting Date
Starting Time GMT
For: days

Dear jamal alhinai!
Your form was successfully submitted.
Your TPXO output will be send to
j.alhinai@met.gov.om within next 24 hours

Please fill out and submit the form.



Tidal Information:

Needs about few hours for data

TPX09 tide



From no-reply@modem-geophysics.com

To j.alhinai@met.gov.om

Date Today 13:00

[Summary](#) [Headers](#)

tpxo9atlv5_z_alhinai_1.txt (~11 KB)

Dear jamal alhinai,
TPX09-atlas-v5 tide prediction file for your lat/lon is attached.
Date/time is GMT. Elevation z(m) is referenced to MSL.
If the attachment contains message "Site is out of model grid OR land"
this means that the location is masked as land in TPX09-atlas grid.
TPX09-atlas-v5 resolution is 1/30 degree ~ 4km.
Thank you for using TPX0 web service.

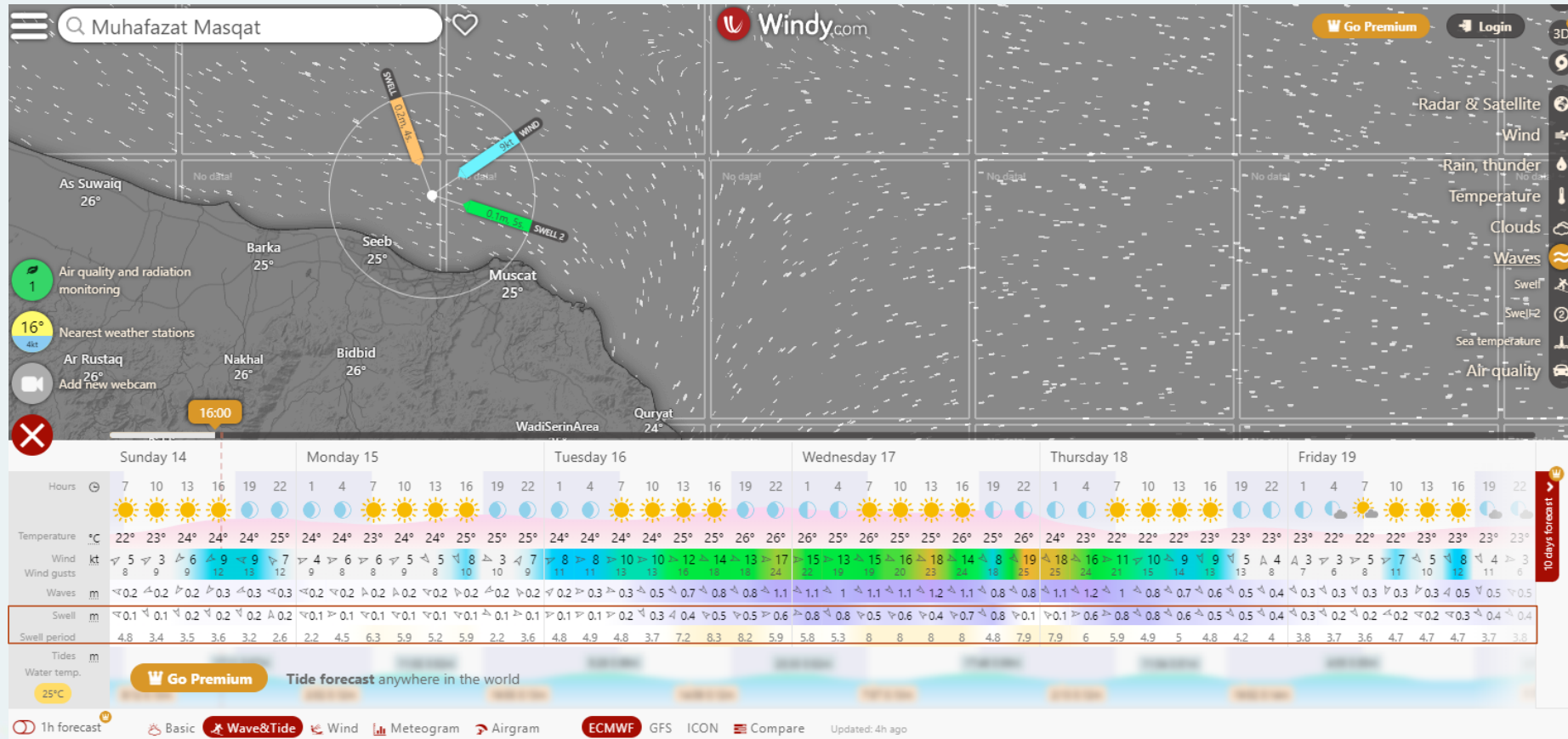
Mon Jan 15 01:00:02 PST 2024

Model: tpxo9_atlas
Constituents included: m2 s2 k1 o1 n2 p1 k2 q1 2n2 mf mm m4 ms4 mn4 s1

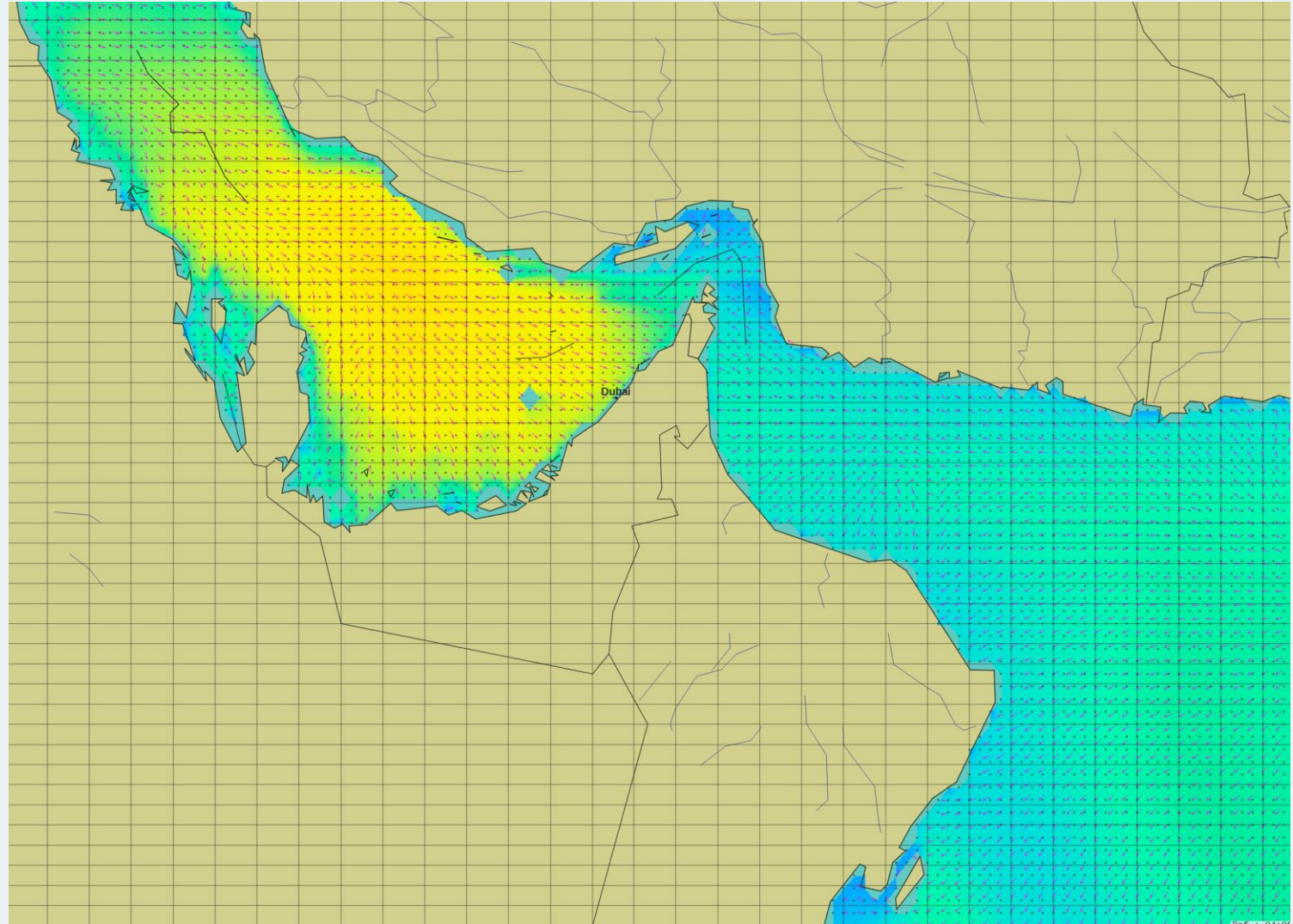
Lat	Lon	mm.dd.yyyy	hh:mm:ss	z(m)	Depth(m)
23.6595	58.3141	01.15.2024	01:00:00	-0.334	13.866
23.6595	58.3141	01.15.2024	02:00:00	-0.547	13.866
23.6595	58.3141	01.15.2024	03:00:00	-0.553	13.866
23.6595	58.3141	01.15.2024	04:00:00	-0.358	13.866
23.6595	58.3141	01.15.2024	05:00:00	-0.025	13.866
23.6595	58.3141	01.15.2024	06:00:00	0.334	13.866
23.6595	58.3141	01.15.2024	07:00:00	0.602	13.866
23.6595	58.3141	01.15.2024	08:00:00	0.690	13.866
23.6595	58.3141	01.15.2024	09:00:00	0.565	13.866
23.6595	58.3141	01.15.2024	10:00:00	0.254	13.866
23.6595	58.3141	01.15.2024	11:00:00	-0.170	13.866
23.6595	58.3141	01.15.2024	12:00:00	-0.609	13.866
23.6595	58.3141	01.15.2024	13:00:00	-0.961	13.866
23.6595	58.3141	01.15.2024	14:00:00	-1.137	13.866
23.6595	58.3141	01.15.2024	15:00:00	-1.083	13.866
23.6595	58.3141	01.15.2024	16:00:00	-0.791	13.866
23.6595	58.3141	01.15.2024	17:00:00	-0.316	13.866
23.6595	58.3141	01.15.2024	18:00:00	0.234	13.866
23.6595	58.3141	01.15.2024	19:00:00	0.731	13.866
23.6595	58.3141	01.15.2024	20:00:00	1.060	13.866
23.6595	58.3141	01.15.2024	21:00:00	1.157	13.866
23.6595	58.3141	01.15.2024	22:00:00	1.018	13.866
23.6595	58.3141	01.15.2024	23:00:00	0.691	13.866
23.6595	58.3141	01.15.2024	24:00:00	0.261	13.866
23.6595	58.3141	01.16.2024	01:00:00	-0.174	13.866
23.6595	58.3141	01.16.2024	02:00:00	-0.518	13.866
23.6595	58.3141	01.16.2024	03:00:00	-0.695	13.866
23.6595	58.3141	01.16.2024	04:00:00	-0.668	13.866
23.6595	58.3141	01.16.2024	05:00:00	-0.454	13.866
23.6595	58.3141	01.16.2024	06:00:00	-0.123	13.866
23.6595	58.3141	01.16.2024	07:00:00	0.220	13.866
23.6595	58.3141	01.16.2024	08:00:00	0.469	13.866
23.6595	58.3141	01.16.2024	09:00:00	0.552	13.866
23.6595	58.3141	01.16.2024	10:00:00	0.450	13.866
23.6595	58.3141	01.16.2024	11:00:00	0.195	13.866
23.6595	58.3141	01.16.2024	12:00:00	-0.146	13.866
23.6595	58.3141	01.16.2024	13:00:00	-0.486	13.866
23.6595	58.3141	01.16.2024	14:00:00	-0.739	13.866
23.6595	58.3141	01.16.2024	15:00:00	-0.833	13.866
23.6595	58.3141	01.16.2024	16:00:00	-0.729	13.866
23.6595	58.3141	01.16.2024	17:00:00	-0.432	13.866
23.6595	58.3141	01.16.2024	18:00:00	-0.002	13.866
23.6595	58.3141	01.16.2024	19:00:00	0.461	13.866
23.6595	58.3141	01.16.2024	20:00:00	0.844	13.866



Waves Information:



Using xygrib WAM model





Thank you

Kindly scan this "QR code"
to evaluate this Lecture

