



Offshore Weather & Routing – Supplemental Information – NE Pacific
2018-03-01

Page 1 – text forecasts – suitable for low bandwidth

Environment Canada marine forecasts – text format

Pacific forecasts

https://weather.gc.ca/marine/marine_bulletins_e.html?Bulletin=fqcn13.cwvr

Pacific extended forecasts

https://weather.gc.ca/marine/marine_bulletins_e.html?Bulletin=fqcn53.cwvr

Pacific Marine Synopsis and Weather Statement

https://weather.gc.ca/marine/marine_bulletins_e.html?Bulletin=fqcn10.cwvr

US NOAA NWS marine forecasts – text format

Coastal waters – WA

<http://tgftp.nws.noaa.gov/data/raw/fz/fzus56.ksew.cwf.sew.txt>

Coastal waters - WA (S) and OR (N)

<http://tgftp.nws.noaa.gov/data/raw/fz/fzus56.kpqr.cwf.pqr.txt>

Coastal waters - OR (S)

<http://tgftp.nws.noaa.gov/data/raw/fz/fzus56.kmfr.cwf.mfr.txt>

Coastal waters – CA (NW)

<http://tgftp.nws.noaa.gov/data/raw/fz/fzus56.keka.cwf.eka.txt>

Coastal waters – CA (C & Bay Area)

<http://tgftp.nws.noaa.gov/data/raw/fz/fzus56.kmtr.cwf.mtr.txt>

Offshore waters – WA and OR

<http://tgftp.nws.noaa.gov/data/raw/fz/fzpn25.kwbc.off.pz5.txt>

Offshore waters – CA

<http://tgftp.nws.noaa.gov/data/raw/fz/fzpn26.kwbc.off.pz6.txt>

Coastal waters – HI

<http://tgftp.nws.noaa.gov/data/raw/fz/fzhw50.phfo.cwf.hfo.txt>

Offshore waters – HI

<http://tgftp.nws.noaa.gov/data/raw/fz/fzhw60.phfo.off.hfo.txt>

US NOAA - MetArea XII – NE & Central Pacific

<http://tgftp.nws.noaa.gov/data/raw/fz/fzpn01.kwbc.hsf.ep1.txt>



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Page 2 – weather information sources – may not be bandwidth-friendly

US North Pacific Marine Weather Discussion

<http://www.opc.ncep.noaa.gov/shtml/NFDMIMPAC.shtml>

US NOAA Pacific weather products (most files 100-200 kbytes)

NA with coastal Pacific <http://www.wpc.ncep.noaa.gov/sfc/lrgnamsfcwbg.gif>

Pacific basin http://www.opc.ncep.noaa.gov/P_sfc_full_ocean_color.png

NE Pacific http://www.opc.ncep.noaa.gov/Pac_tab.shtml

US NDBC Ocean Buoys

<http://www.ndbc.noaa.gov/>

US NOAA OPC - Ocean Currents NE Pacific RTOFS

http://www.opc.ncep.noaa.gov/Loops/ocean_guidance.php?model=Global_RTOFS&area=Npac&plot=currents&day=1&loop=0#top

US NOAA OPC Scatterometry

ASCAT web page, sub areas are selectable

<https://manati.star.nesdis.noaa.gov/datasets/ASCATData.php>

ASCAT subarea WA-OR

https://manati.star.nesdis.noaa.gov/ascat_images/cur_25km_META/zooms/WMBds37.png

ASCAT subarea HI

https://manati.star.nesdis.noaa.gov/ascat_images/cur_25km_META/zooms/WMBas15.png

US Satellite Imagery (IR, Visible, Water Vapor)

<http://www.goes.noaa.gov/>

<http://www.ssd.noaa.gov/imagery/>

Wind products in general <http://www.ospo.noaa.gov/Products/atmosphere/wind.html>



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Page 3 – reference publications – usually not bandwidth-friendly

Environment Canada Pacific Marine Weather Services Brochure PDF download (large file)
http://publications.gc.ca/collections/collection_2014/ec/En56-233-2013-eng.pdf

US NOAA NWS Marine Weather Information Guide (large file)
http://www.vos.noaa.gov/docs/marine_info_guide.pdf

US NOAA OPC Radiofacsimile User's Guide PDF download (large file)
<http://www.opc.ncep.noaa.gov/UsersGuide/UG.pdf>

US NGA Atlas of Pilot Charts PDF download (large files)
https://msi.nga.mil/NGAPortal/MSI.portal?nfpb=true&pageLabel=msi_portal_page_62&pubCode=0003



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Page 4 – Example Saildocs email GRIB file requests

Pre-departure “Data Hog”

(large-huge files, high bandwidth required, suitable for onshore communications)

Large planning file: 468kb pre-compression

NE Pacific big picture, medium resolution, surface pressure and wind, 6hr to default intervals

```
send GFS:60N,10N,170E>100W|1,1|0,6,12,18,24,30,36,48,60,=  
72,84,96,108,120,144,168,192,216,240,264,288,312,336,360,384=  
|PRMSL,WIND
```

Huge planning file: 2591kb pre-compression

Vic-Maui course, max resolution, lots of data elements, 6hr to default intervals

```
send GFS:50N,19N,158W>123W|0.25,0.25|0,6,12,18,24,30,36,48,=  
60,72,84,96,108,120,144,168,192,216,240,264,288,312,336,360,3=  
84|PRMSL,WIND,HGT,RAIN,CAPE,WAVES
```

During-the-passage “Data Miser”

(small-medium files, low bandwidth friendly, suitable for onboard communications)

Small planning file: 29kb pre-compression

Vic-Maui course, low resolution, surface pressure and wind, 6hr to default intervals

note: edit to reduce geographic coverage and increase resolution as boat makes progress

```
send GFS:49N,20N,159W>123W|2,2|0,12,24,36,48,60=  
,72,84,96,108,120,144,168,192,216,240,264,288,312,336,360,384=  
|PRMSL,WIND
```

Small aimpoint file: 24kb pre-compression

next 3 days, high resolution, wind only, 6hr to default intervals, moving forecast

note: edit to shift geographic coverage as boat makes progress

```
send GFS:49N,44N,133W>124W|0.25,0.25|0,6,12,18,24,30,36,48,=  
60,72,84|WIND|7.0,210
```