

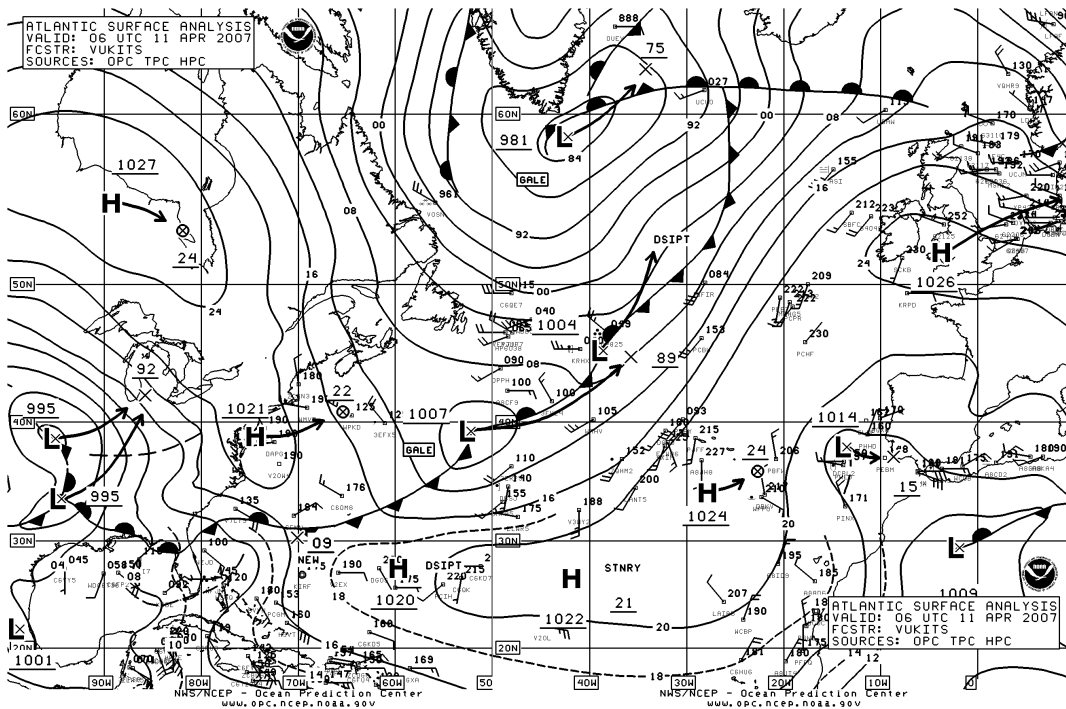


U.S. Voluntary Observing Ship (VOS) Program

National Weather Service

RADIOFACSIMILE WEATHER CHARTS

National Weather Service Weather Chart FTP Email Procedures



NATIONAL WEATHER SERVICE RADIOFACSIMILE WEATHER CHARTS

National Weather Service Radiofacsimile weather charts are available through a simple e-mail request. Users who have e-mail capability can request Weather Charts from NWS and have them automatically e-mailed back. For ships at sea, it is primarily intended as a backup source for marine weather information.

This service is free and no signup is required.

Weather charts are sent back as an attachment to the e-mail address of the requestor. You will receive an e-mail for each individual chart you request. Responses are sent from the following NWS e-mail server:

NWS.FTPMail.OPS@noaa.gov

Turnaround time is generally under 5 minutes, but performance may vary depending on your e-mail provider, and receipt cannot be guaranteed.

This is an automated system - **Correct capitalization for commands, directory and file names are critical.** The system is case sensitive. Commands are lower case, while most (not all) Chart Id's are upper case.

You can request a single chart, or request multiple charts within a single e-mail request.

File size for most weather charts average 35KB but can be as much as 110KB. Satellite imagery is much larger, usually between 150KB to over 250KB.

These chart files are in a compressed TIFF format, which can be viewed, by a number of software programs including Microsoft Internet Explorer. Suggestions for TIFF viewers may be found in the Worldwide Marine Radiofacsimile Broadcast Schedule Manual.

Attachments are received in UUencoded form. The majority of modern e-mail systems handle the conversion automatically, other users will need to run the UUdecode program for their particular system. See your system administrator if you have any questions on this topic.

To request charts, send a small script file via e-mail to NWS requesting the desired file(s).

Send an e-mail to: NWS.FTPMail.OPS@noaa.gov

Put anything you like on the subject line

Enter a script in the body of the message

```
open
cd fax
get (Map ID)
quit
```

Example: To obtain the 96HR Wind/Wave Forecast VT00Z 10E-95W (Map ID PJAM98.TIF), the e-mail script would contain the following:

```
open
cd fax
get PJAM98.TIF
quit
```

Several charts can be requested within a single e-mail. Each map requested will be sent back as an individual e-mail. Example:

```
open
cd fax
get PYEB86.TIF
get PYEA86.TIF
get PWEK11.TIF
get evst99.jpg
quit
```

Some e-mail systems used by ships do not allow e-mail to be sent directly back to the ship (reply to) unless the sender has an account with the e-mail provider. In addition many ships are set up so they can only receive or download e-mail from a single controlled point, usually at the company or agents office. To have the weather charts sent back to a different e-mail address, in the first line of the script put **reply-to (e-mail address)** where you want the charts to be sent).

Example: To obtain the 96HR Wind/Wave Forecast VT00Z 10E-95W (Map ID PJAM98.TIF), and have it sent to another e-mail address (xyzcompany@marine.com), the script file would contain the following:

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reply-to xyzcompany@marine.com
open
cd fax
get PJAM98.TIF
quit
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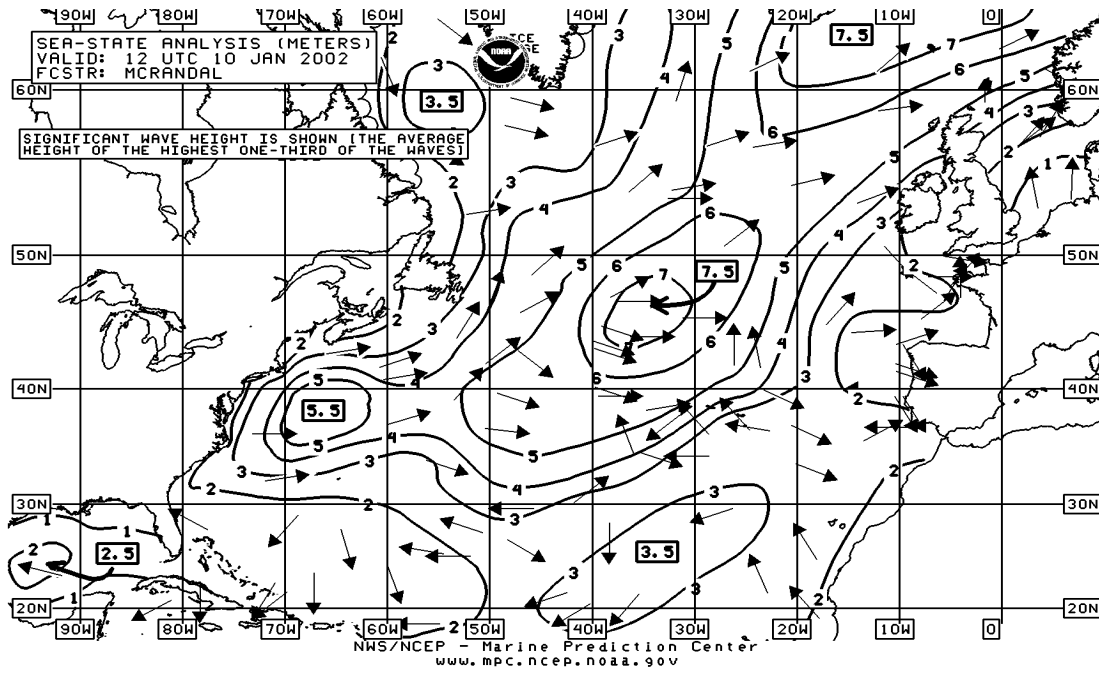
NATIONAL WEATHER SERVICE

ATLANTIC

<u>Product/Chart</u>	<u>Chart ID</u>
WIND/SEAS	
Sea State Analysis VT12Z 10E-95W	PJAA99.TIF
Sea State Analysis 45W-85W	PWAA90.TIF
24HR Wind/Wave Forecast 45W-85W	PWAE10.TIF
48HR Wind/Wave Forecast 10E-95W	PJAI10.TIF
48HR Wave Period Forecast 10E-95W	PJAI20.TIF
96HR Wind/Wave Forecast VT00Z 10E-95W	PJAM98.TIF
96HR Wave Period Forecast VT00Z 10E-95W	PJAM88.TIF
WIND/SEAS (United Kingdom Met Office)	
Sea/Swell/Wind Direction Analysis North Atlantic	PJGA93.TIF
24HR Sea/Swell/Wind Direction North Atlantic	PJGE93.TIF
36HR Sea/Swell/Wind Direction North Atlantic	PJLG98.TIF
48HR Sea/Swell/Wind Direction North Atlantic	PJGI93.TIF
SURFACE	
Preliminary Surface Analysis 45W-85W	PYAD10.TIF
Surface Analysis (Part 1) 10E-45W	PYAA11.TIF
Surface Analysis (Part 2) 40W-95W	PYAA12.TIF
24HR Surface Forecast 45W-85W	PPAE10.TIF
48HR Surface Forecast 10E-95W	QDTM10.TIF
96HR Surface Forecast VT00Z 10E-95W	PWAM99.TIF
SURFACE (United Kingdom Met Office)	
Surface Analysis N. Atlantic & W. Mediterranean	PPVA89.TIF
24HR Surface Forecast N. Atlantic & W. Mediterranean	PPVE89.TIF
36HR Surface Forecast N. Atlantic & W. Mediterranean	PPVG89.TIF
48HR Surface Forecast N. Atlantic & W. Mediterranean	PPVI89.TIF
60HR Surface Forecast N. Atlantic & W. Mediterranean	PPVJ89.TIF
72HR Surface Forecast N. Atlantic & W. Mediterranean	PPVK89.TIF
84HR Surface Forecast N. Atlantic & W. Mediterranean	PPVL89.TIF
96HR Surface Forecast N. Atlantic & W. Mediterranean	PPVM89.TIF
108HR Surface Forecast N. Atlantic & W. Mediterranean	PPVN89.TIF
120HR Surface Forecast N. Atlantic & W. Mediterranean	PPVO89.TIF
132HR Surface Forecast N. Atlantic & W. Mediterranean	PPVP89.TIF
UPPER AIR CHARTS	
500MB Surface Analysis 45W-85W	PPAA10.TIF
24HR 500MB Forecast 45W-85W	PPAE11.TIF
36HR 500MB Forecast 45W-85W	PPAG11.TIF
48HR 500MB Forecast 45W-85W	PPAI10.TIF
96HR 500MB Forecast VT00Z 45W-85W	PPAM50.TIF
SATELLITE IMAGERY	
GOES IR Satellite Image North Atlantic	evnt99.jpg
ICE CHARTS	
Ice Analysis NW Atlantic (When Available)	PIEA88.TIF
SEA SURFACE TEMPERATURE	
SST Analysis North Atlantic (UK MET)	PTUK21.TIF
SCHEDULE INFORMATION	
Radiofax Schedule Boston MA (Part 1)	PLAZ01.TIF
Radiofax Schedule Boston MA (Part 2)	PLAZ02.TIF
Product Notice Bulletin Boston MA	PLAZ04.TIF
Radiofax Schedule Boston MA (Text Version)	hfmarsht.txt

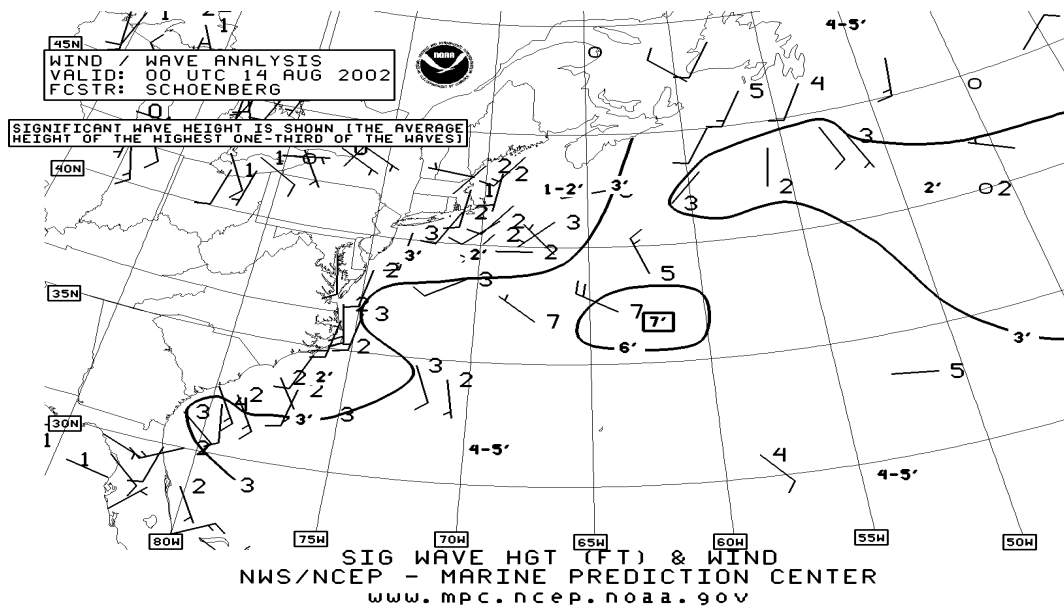
12Z Sea State Analysis 10E-95W North Hemisphere

PJAA99.TIF



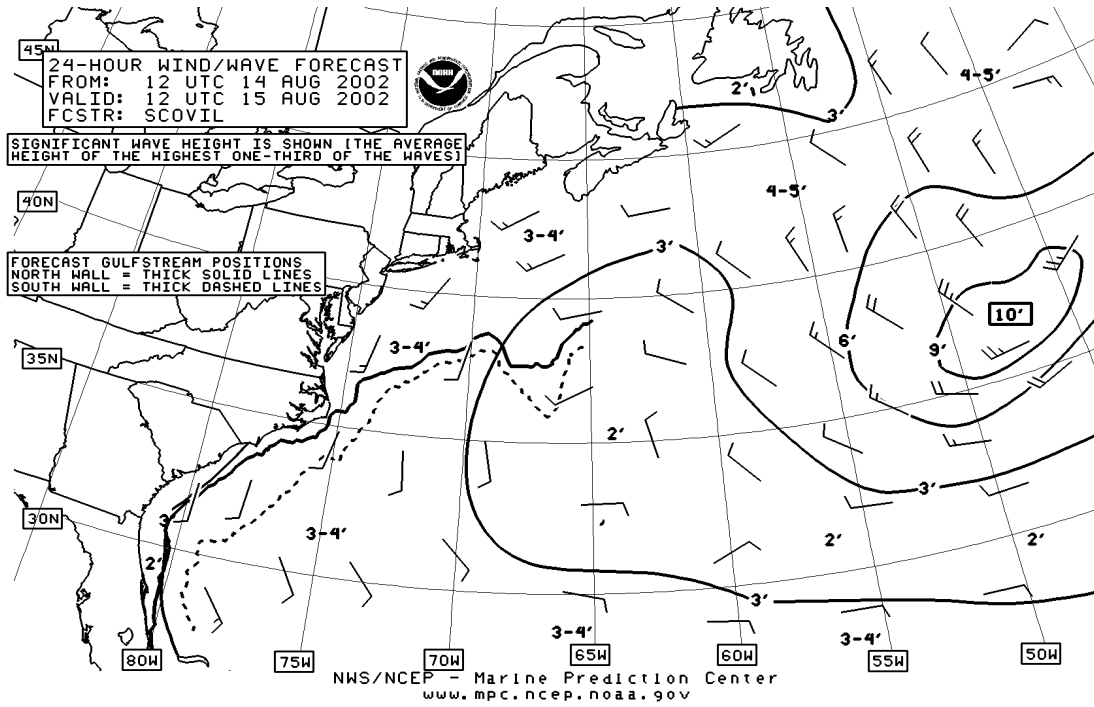
Sea State Analysis 45W-85W North Hemisphere

PWAA90.TIF



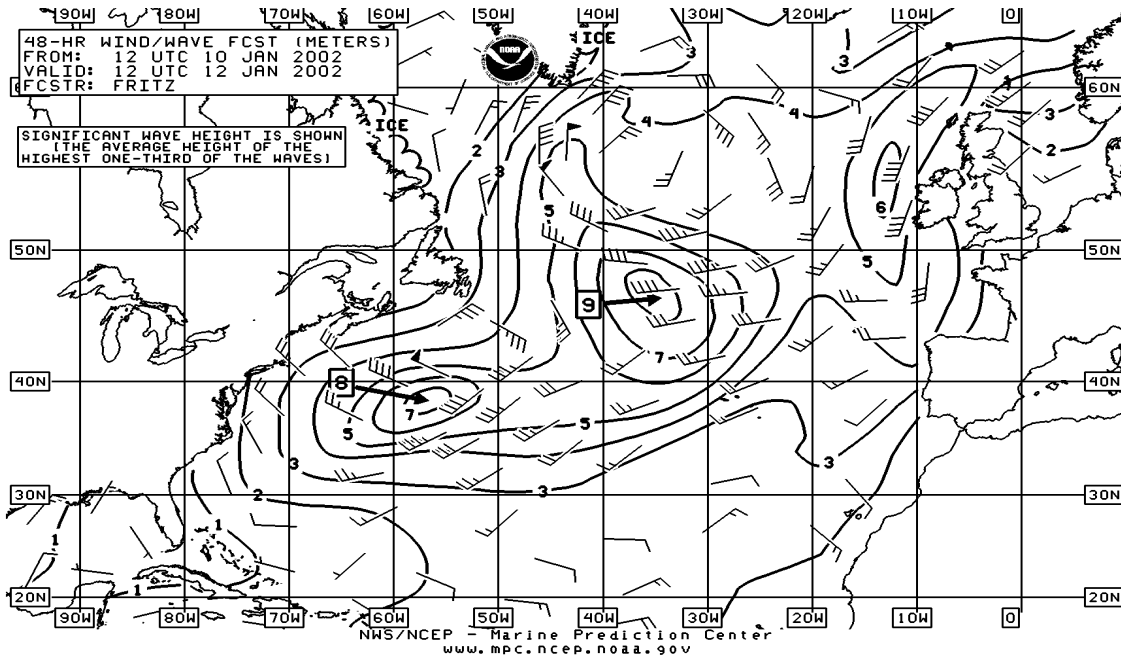
24HR Wind/Wave Forecast 45W-85W North Hemisphere

PWAE10.TIF



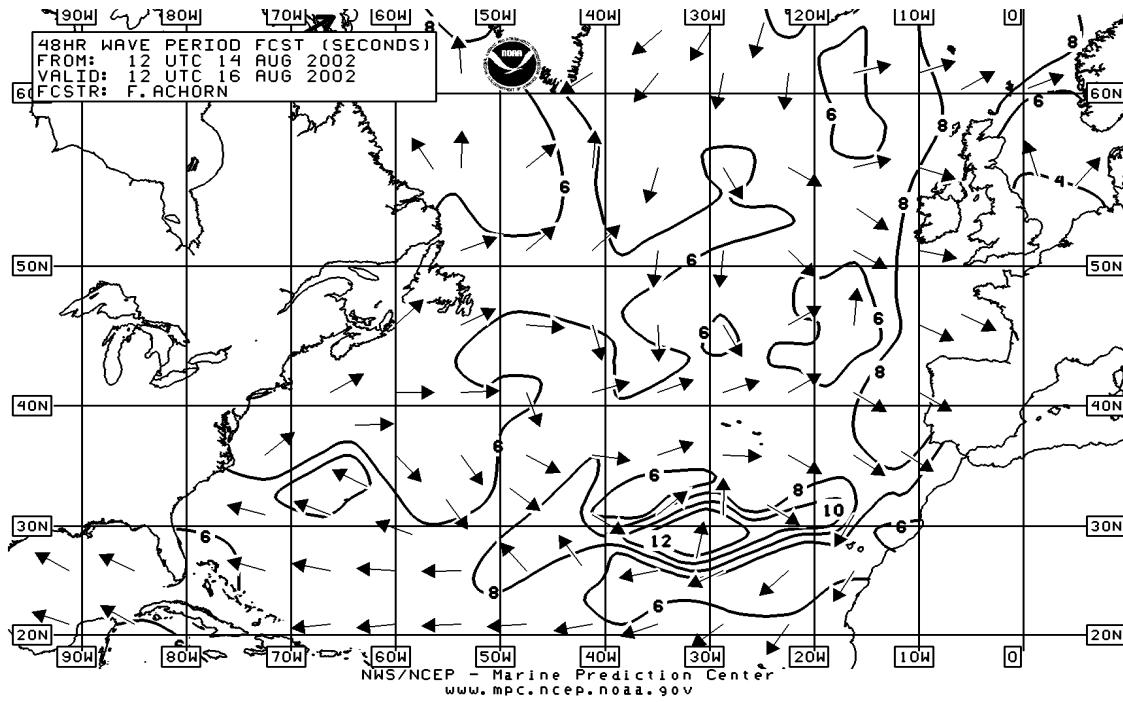
48HR Wind/Wave Forecast 10E-95W North Hemisphere

PJAI10.TIF



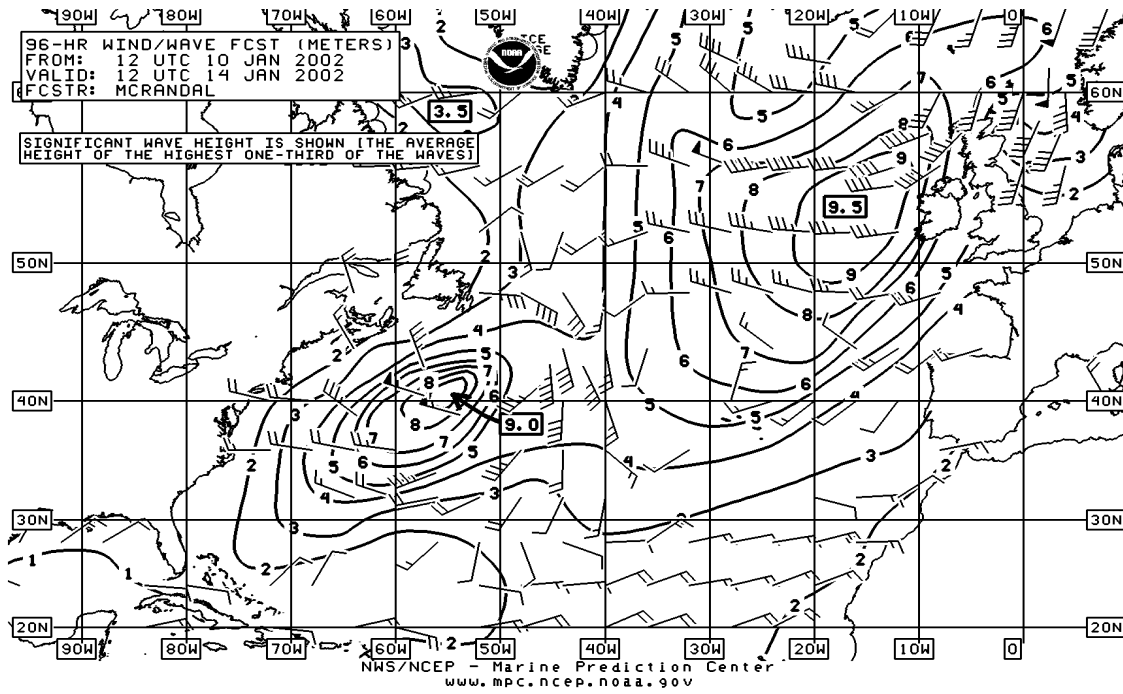
48HR Wave Period Forecast 10E-95W North Hemisphere

PJAI20.TIF



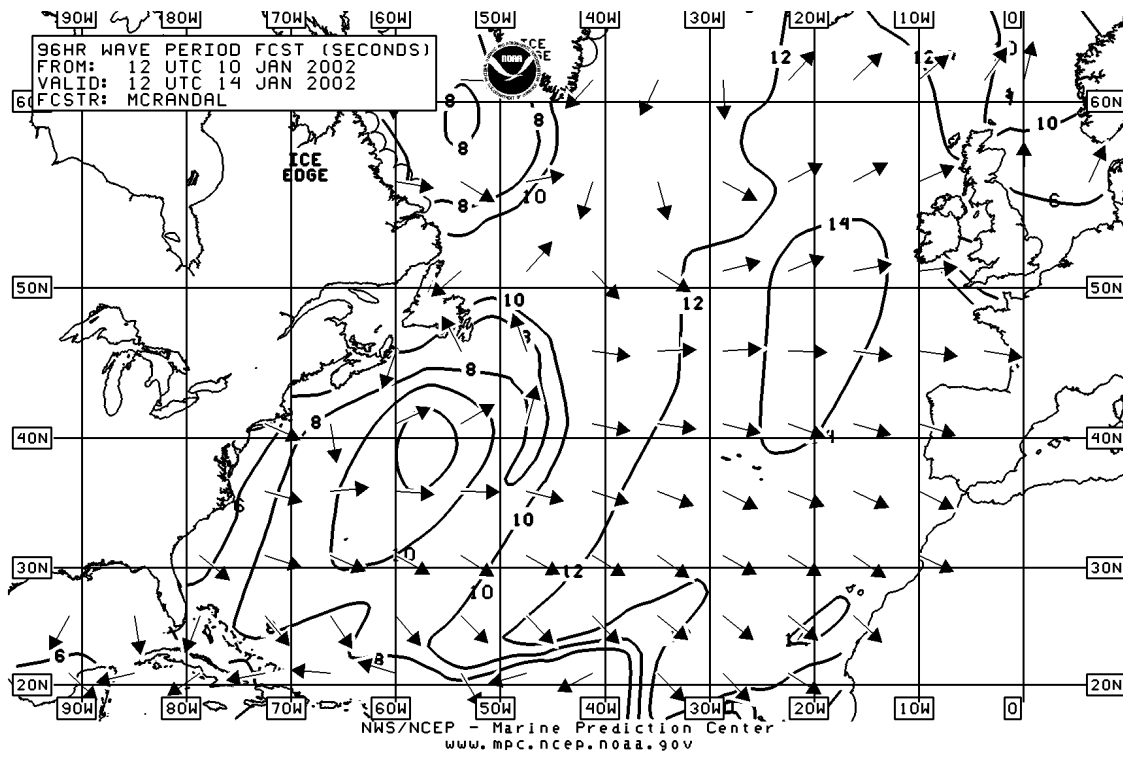
96HR Wind/Wave VT00Z Forecast 10E-95W North Hemisphere

PJAM98.TIF



96HR Wave Period FCST 10E-95W North Hemisphere

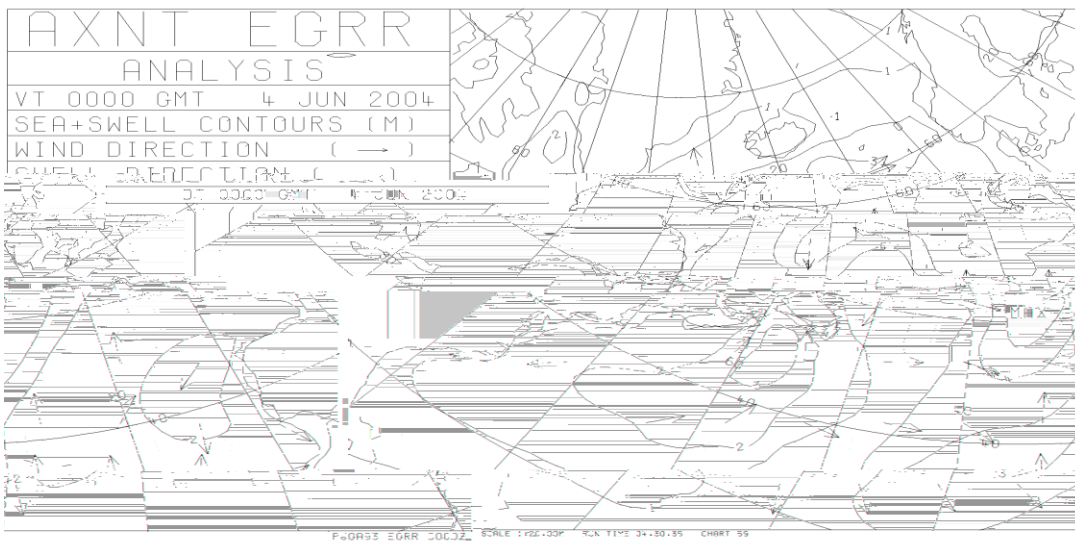
PJAM88.TIF



WIND/SEAS (United Kingdom Met Office)

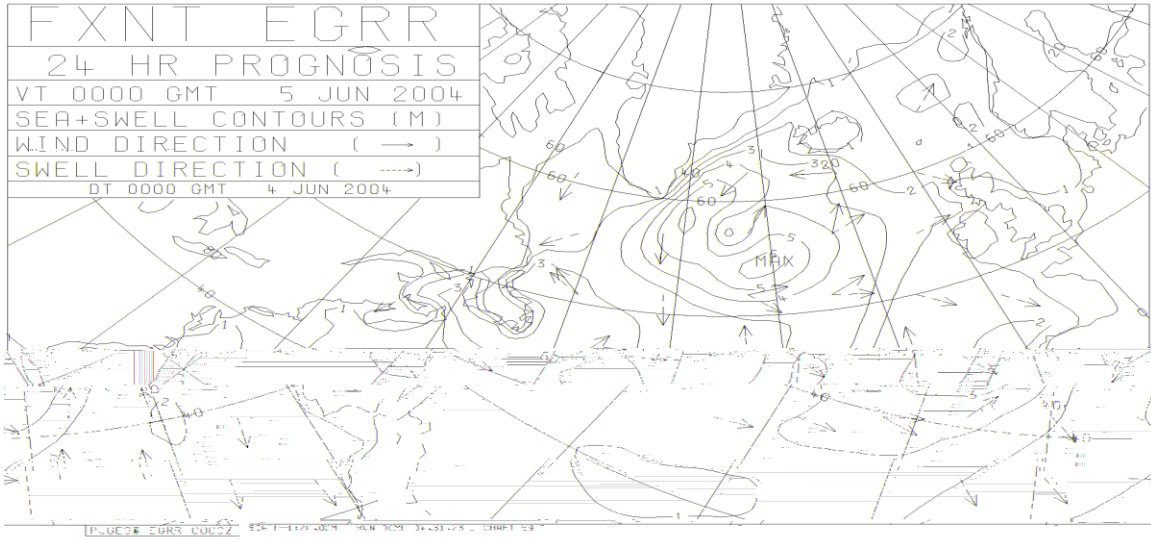
Sea/Swell/Wind Direction Analysis North Atlantic

PJGA93.TIF



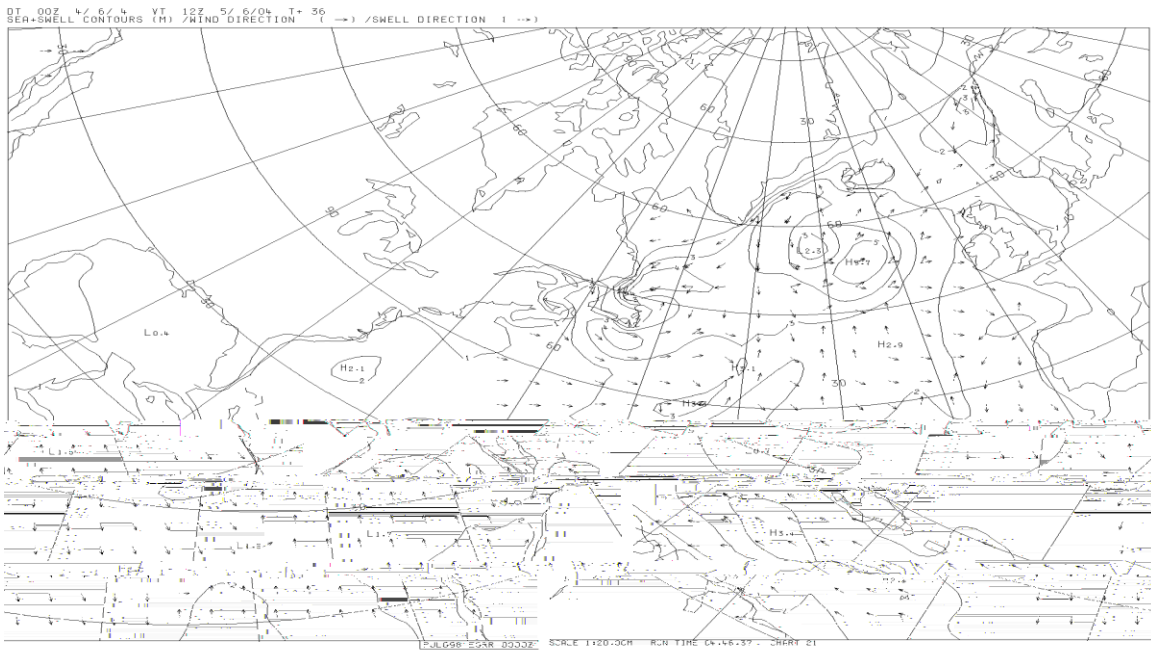
24HR Sea/Swell/Wind Direction North Atlantic

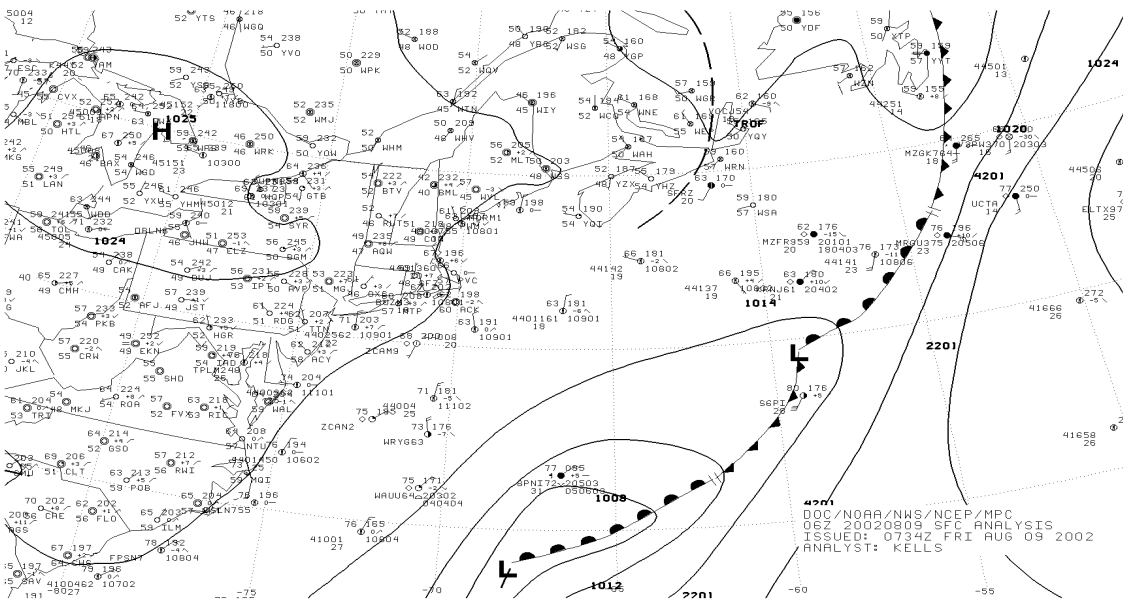
PJGE93.TIF

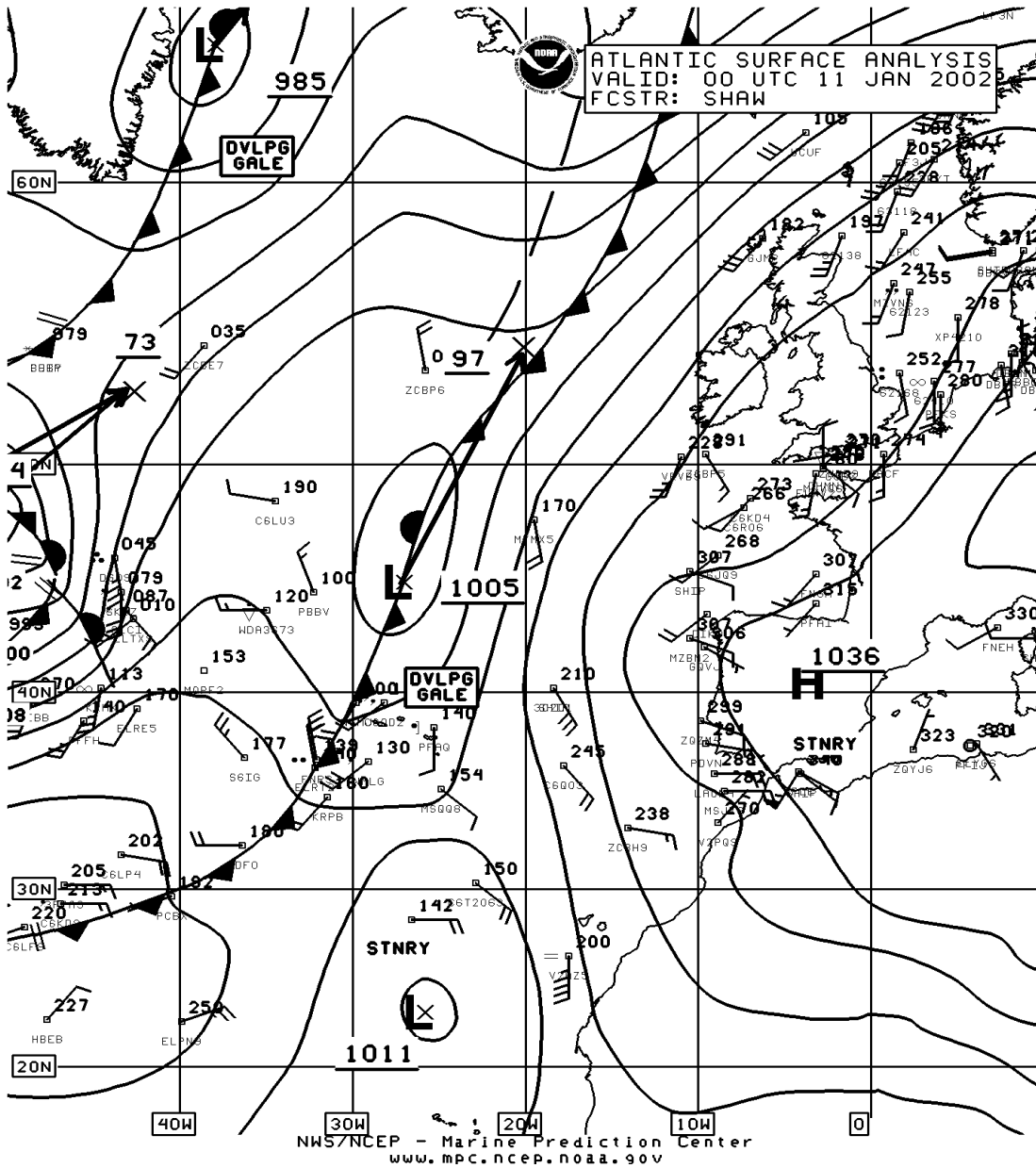


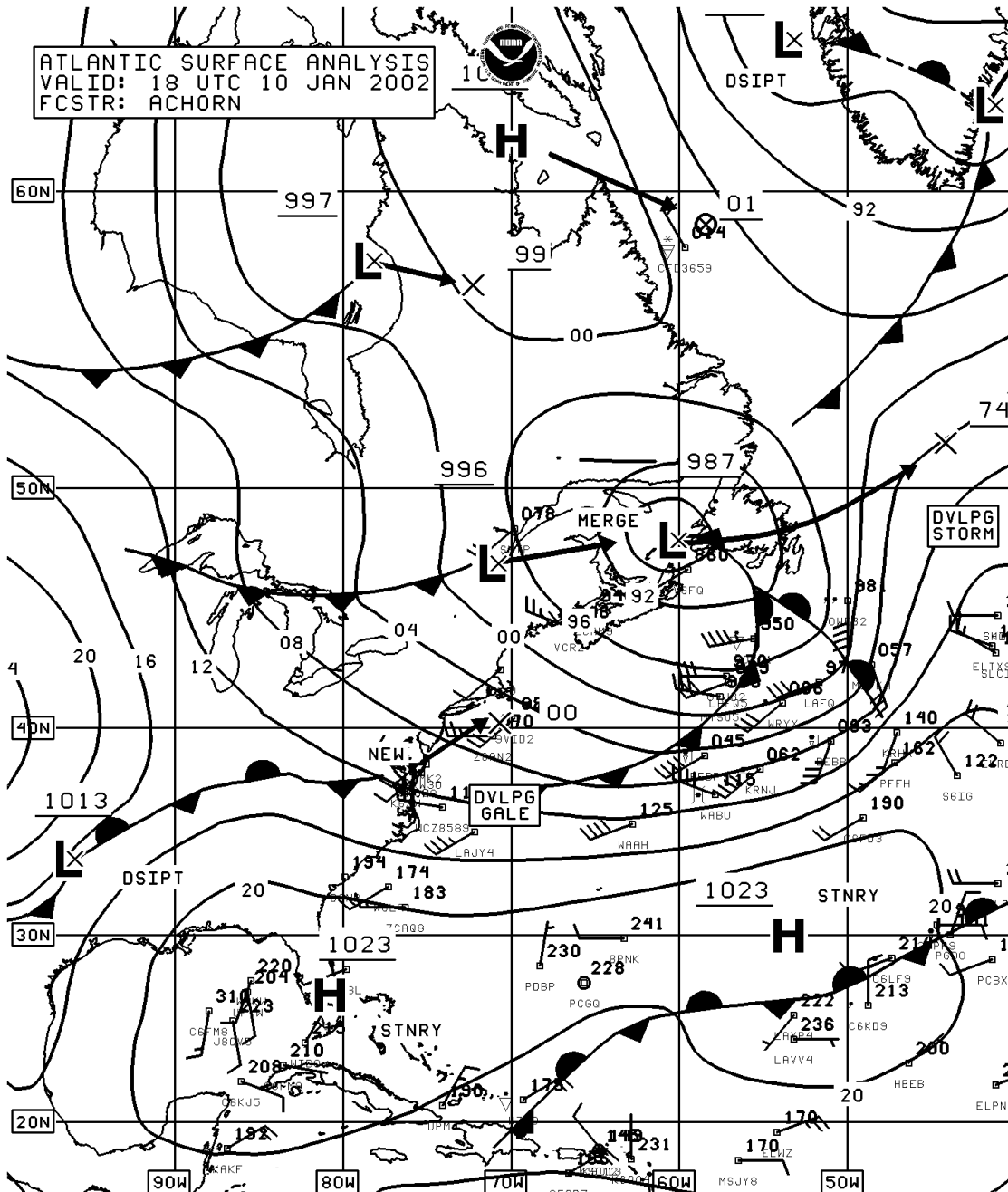
36HR Sea/Swell/Wind Direction N. Atlantic & Carribean

PJLG98.TIF





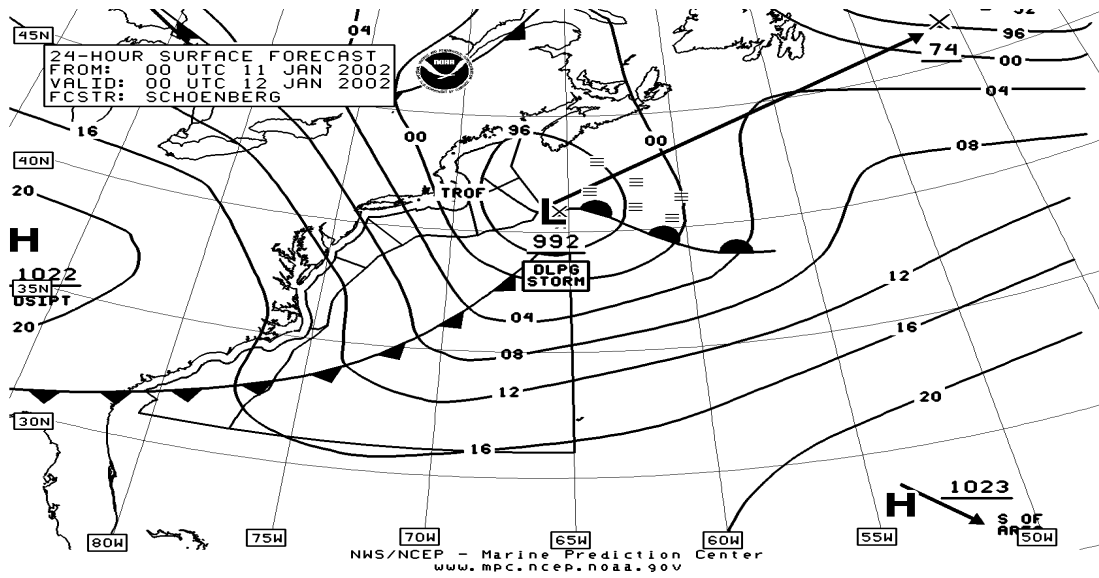




ATLANTIC SURFACE ANALYSIS
 VALID: 18 UTC 10 JAN 2002
 FCSTR: ACHORN

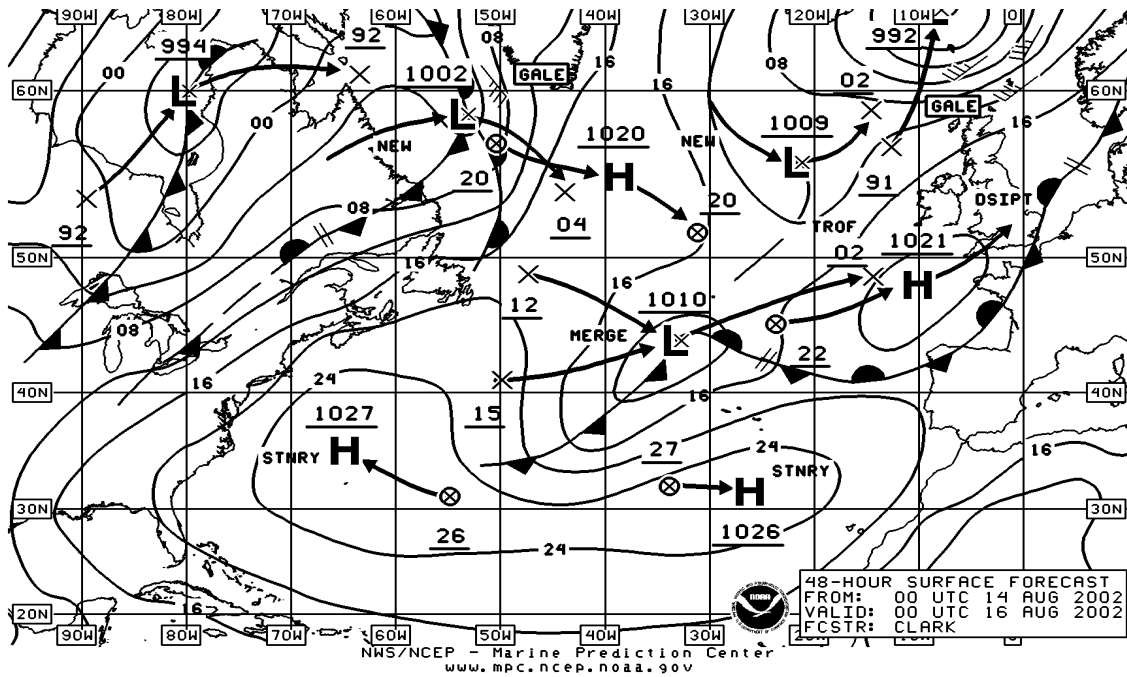
24HR Surface Forecast 45W-85W North Hemisphere

PPAE10.TIF



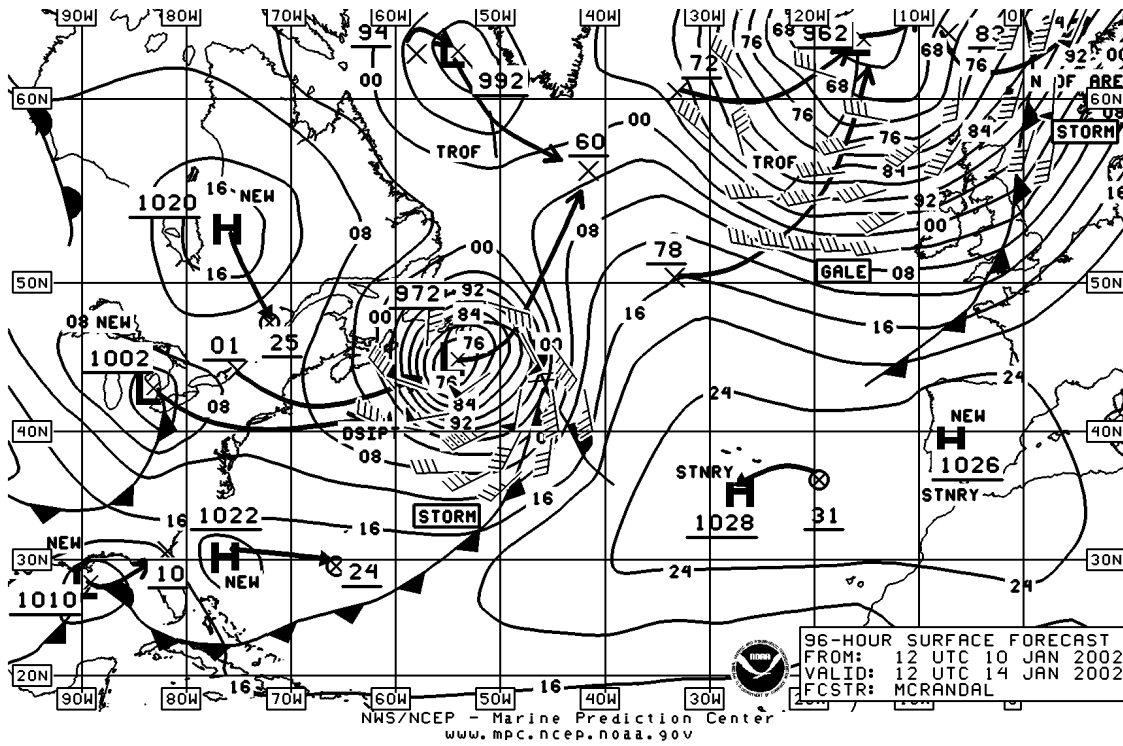
48HR Surface Forecast 10E-95W North Hemisphere

QDTM10.TIF



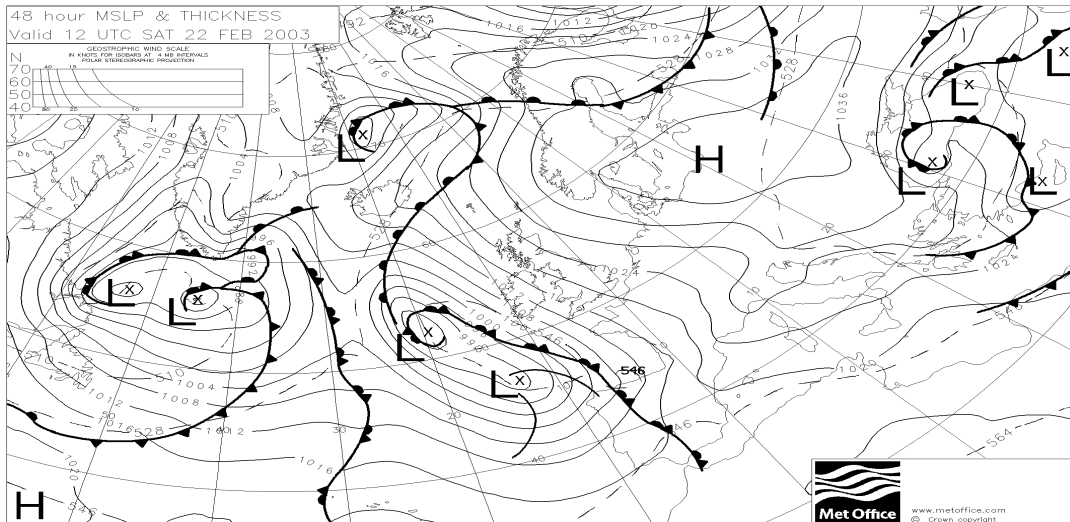
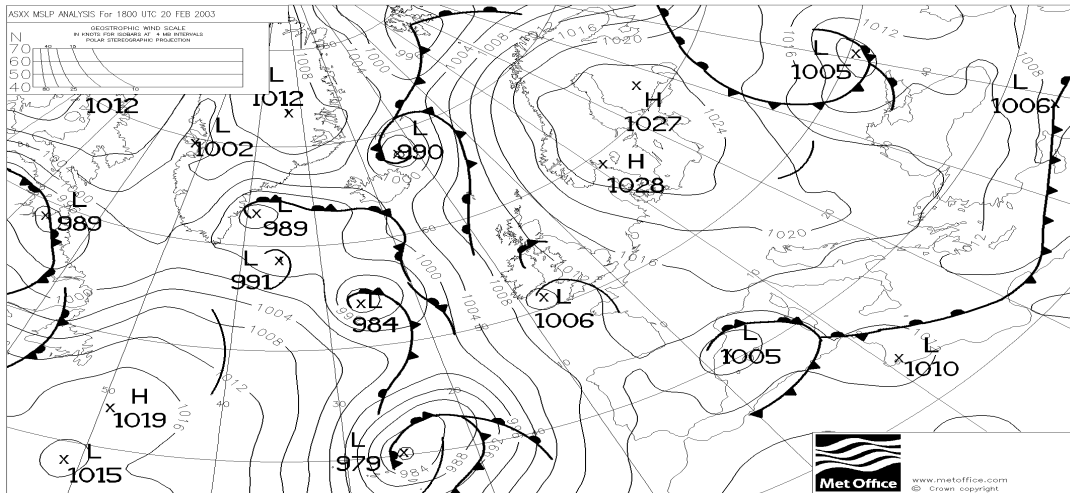
96HR Surface VT00Z Forecast 10E-95W North Hemisphere

PWAM99.TIF



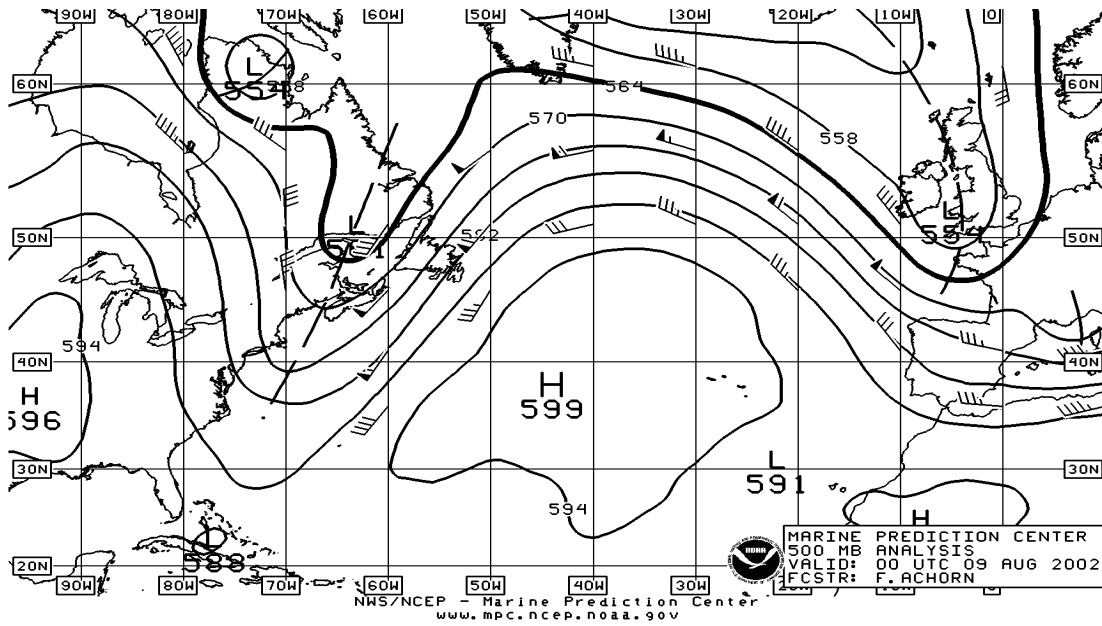
SURFACE (United Kingdom Met Office)

Surface Analysis N. Atlantic & W. Mediterranean	PPVA89.TIF
24HR Surface Forecast N. Atlantic & W. Mediterranean	PPVE89.TIF
36HR Surface Forecast N. Atlantic & W. Mediterranean	PPVG89.TIF
48HR Surface Forecast N. Atlantic & W. Mediterranean	PPVI89.TIF
60HR Surface Forecast N. Atlantic & W. Mediterranean	PPVJ89.TIF
72HR Surface Forecast N. Atlantic & W. Mediterranean	PPVK89.TIF
84HR Surface Forecast N. Atlantic & W. Mediterranean	PPVL89.TIF
96HR Surface Forecast N. Atlantic & W. Mediterranean	PPVM89.TIF
108HR Surface Forecast N. Atlantic & W. Mediterranean	PPVN89.TIF
120HR Surface Forecast N. Atlantic & W. Mediterranean	PPVO89.TIF
132HR Surface Forecast N. Atlantic & W. Mediterranean	PPVP89.TIF



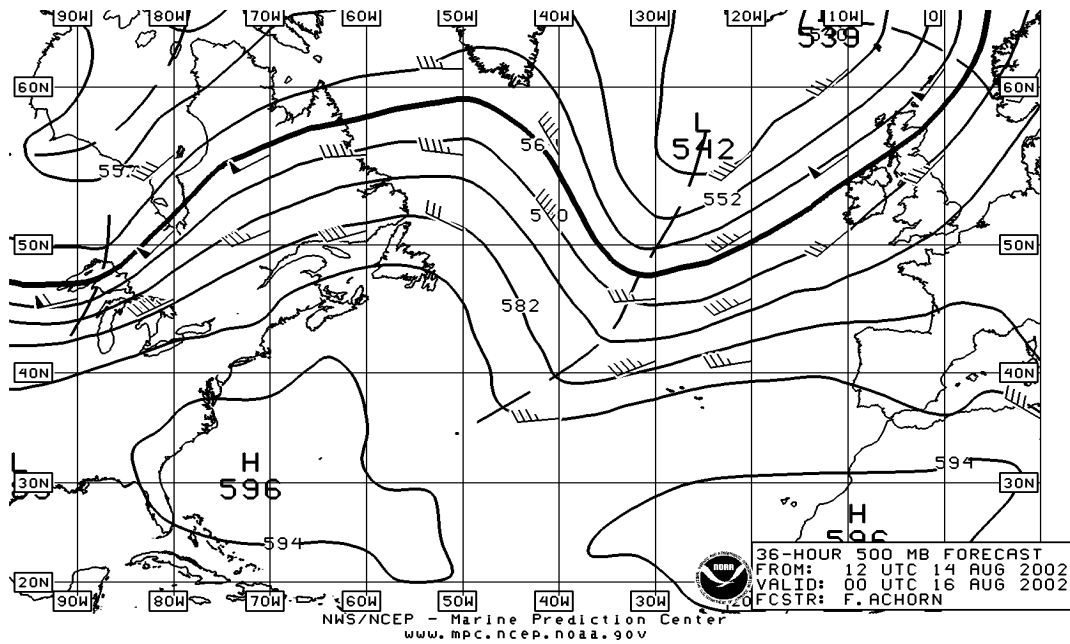
500MB Surface Analysis 45W-85W North Hemisphere

PPAA10.TIF



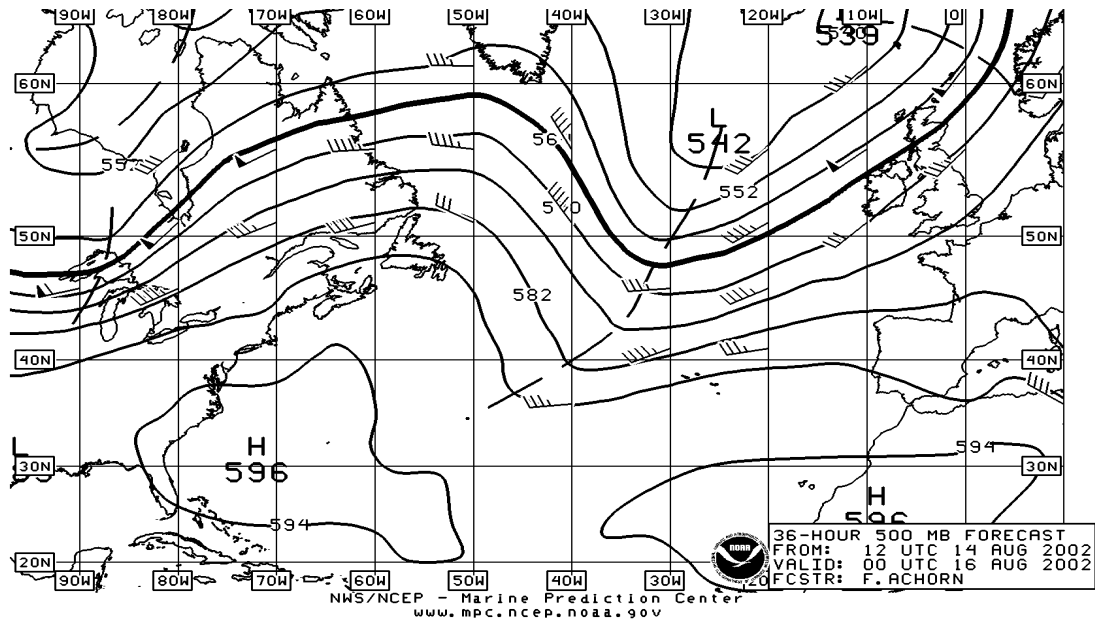
24HR 500MB Forecast 45W-85W North Hemisphere

PPAE11.TIF



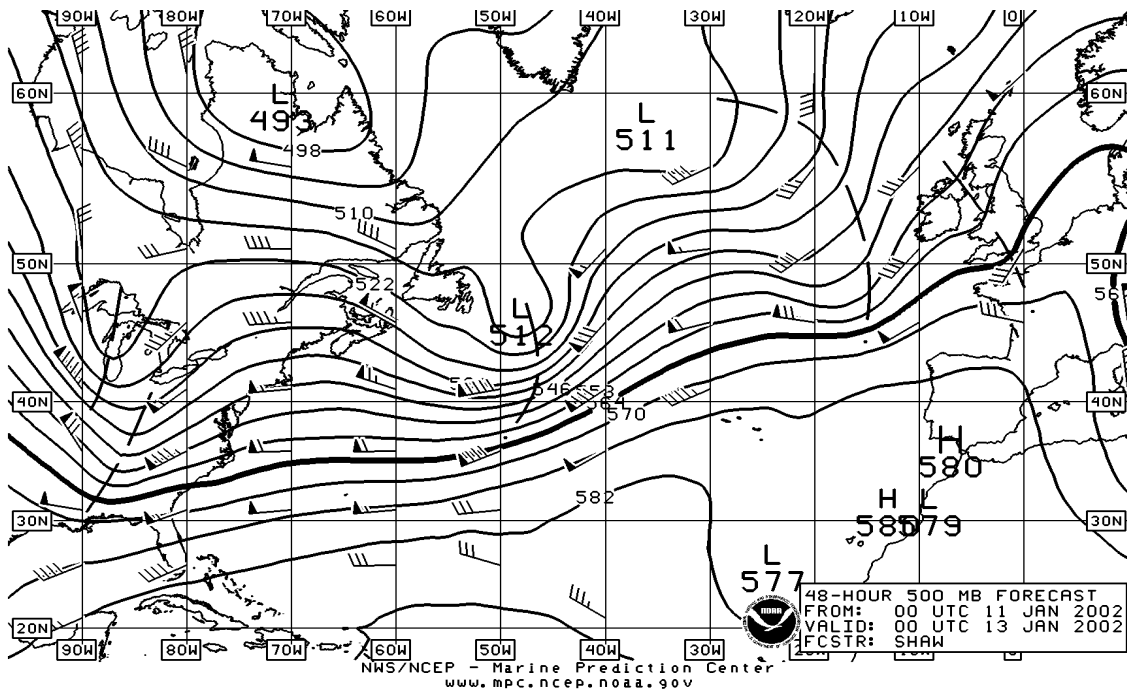
36HR 500MB Forecast 45W-85W North Hemisphere

PPAG11.TIF

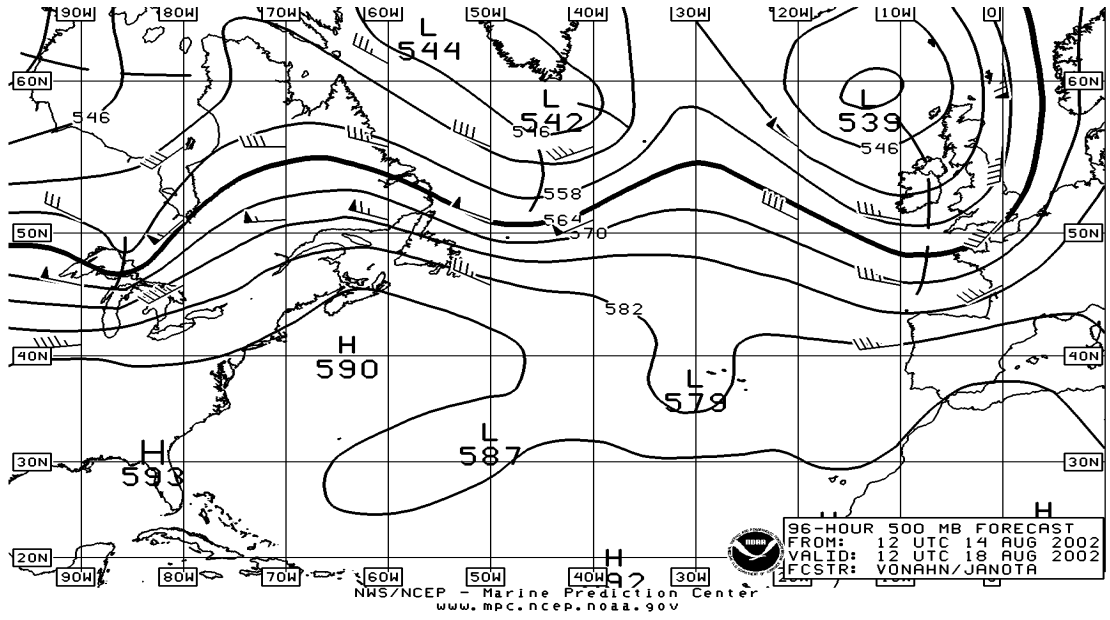


48HR 500MB Forecast 45W-85W North Hemisphere

PPAI10.TIF

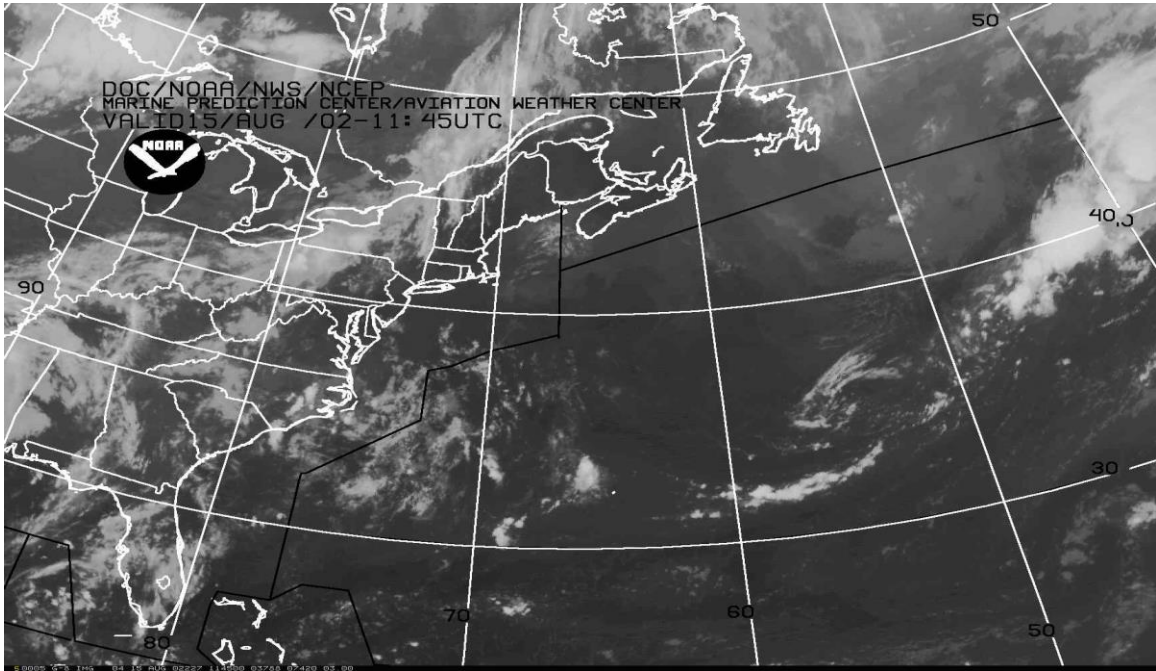


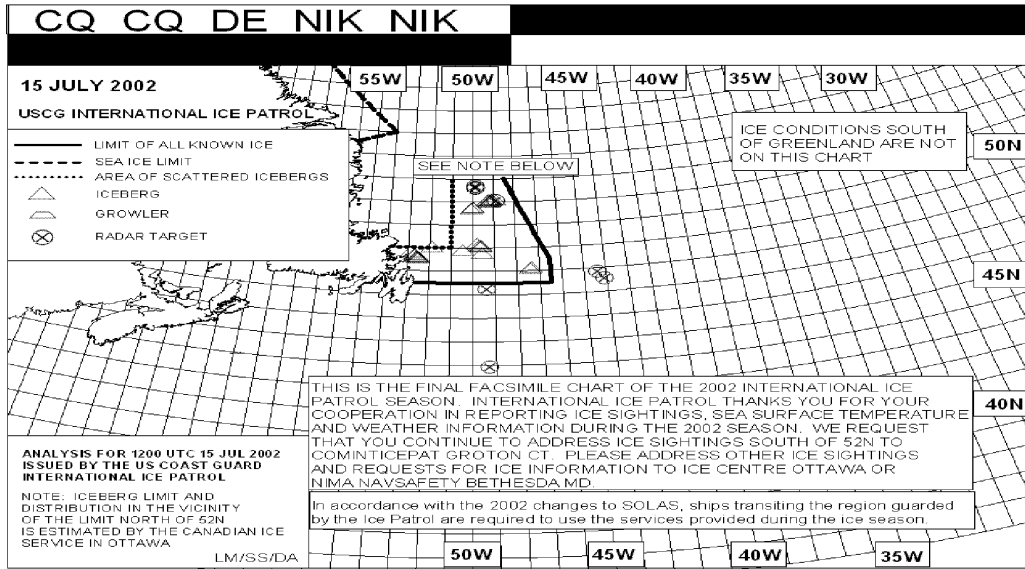
96HR 500MB VT00Z Forecast 45W-85W North Hemisphere PPAM50.TIF



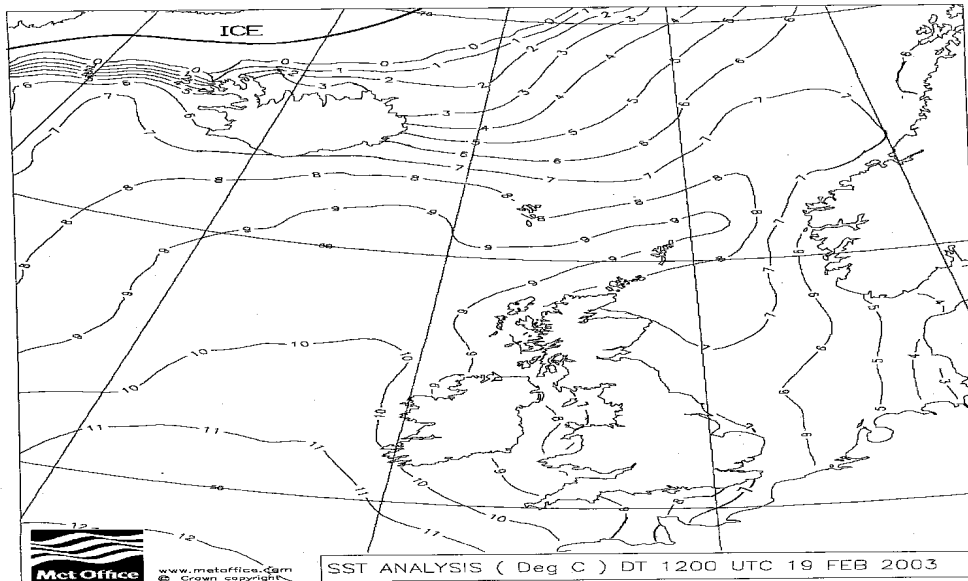
GOES Infrared Atlantic

evnt99.jpg





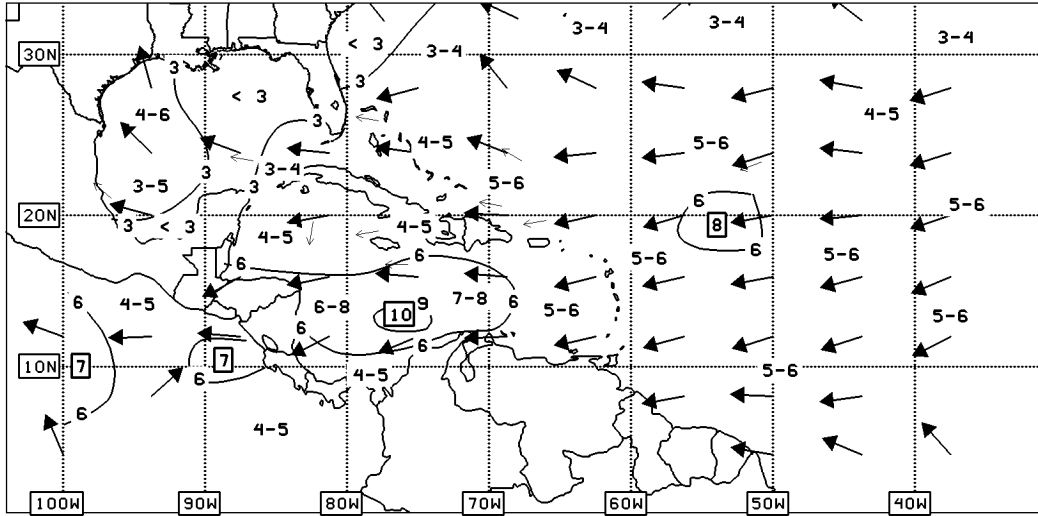
20 FEB '03 09:18 FROM MET ITOPS BRACKNELL TO 4806 PAGE.001



NATIONAL WEATHER SERVICE

GULF OF MEXICO, CARIBBEAN, TROPICAL ATLANTIC & EASTERN TROPICAL PACIFIC

<u>Product/Chart</u>	<u>Chart ID</u>
WIND/SEAS CHARTS NAME	
Sea State Analysis 0N-31N 35W-100W	PJEA11.TIF
24HR Wind/Wave Forecast 0N-31N 35W-100W	PWEE11.TIF
48HR Wind/Wave Forecast 0N-31N 35W-100W	PWEI11.TIF
48HR Wave Period/Swell Dir Forecast 0N-31N 35W-100W	PJEI11.TIF
72HR Wind/Wave Forecast 0N-31N 35W-100W	PJEK11.TIF
72HR Wave Period/Swell Dir Forecast VT00Z 0N-31N 35W-100W	PKEK88.TIF
SURFACE CHARTS	
Tropical Surface Analysis VT12Z 30N-55S 180W-0	QWAA00.TIF
Tropical Surface Analysis VT12Z 30N-55S 0-180E	QWQA00.TIF
Tropical Surface Analysis 40N-20S 100W-0	QPAA99.TIF
Tropical Surface Analysis (E Half) 5S-50N 0W-70W	PYEA11.TIF
Tropical Surface Analysis (W Half) 5S-50N 55W-125W	PYEB11.TIF
24HR Tropical Surface Forecast (E Half) 00N-31N 35W-100W	PYEE10.TIF
24HR Tropical Surface Forecast (W Half) 20S-30N 80W-145W	PYFE10.TIF
48HR Tropical Surface Forecast (E Half) 00N-31N 35W-100W	PYEI10.TIF
48HR Tropical Surface Forecast (W Half) 20S-30N 80W-145W	PYFI10.TIF
72HR Tropical Surface Forecast (E Half) 00N-31N 35W-100W	PYEK10.TIF
72HR Tropical Surface Forecast (W Half) 20S-30N 80W-145W	PYFK10.TIF
TROPICAL CYCLONE CHART	
Tropical Cyclone Danger Area	PWEK11.TIF
* Tropical Cyclone Danger Area chart replaced by High Wind/Wave Warning chart Dec 01 - May 31.	
HIGH SEAS FORECASTS	
High Seas Forecast Tropical Atlantic 7N-31N 35W-98W	PLEA10.TIF
SATELLITE IMAGERY	
GOES IR Satellite Image Tropical Atlantic	evst99.jpg
GOES IR Satellite Image Tropical East Pacific	evpn10.jpg
SCHEDULE INFORMATION	
Radiofax Schedule New Orleans LA	PLEZ01.TIF
Request for Comments Gulf of Mexico	PLEZ02.TIF
Product Notice Bulletin New Orleans LA	PLEZ03.TIF
Radiofax Schedule New Orleans LA (Text Version)	hfgulf.txt

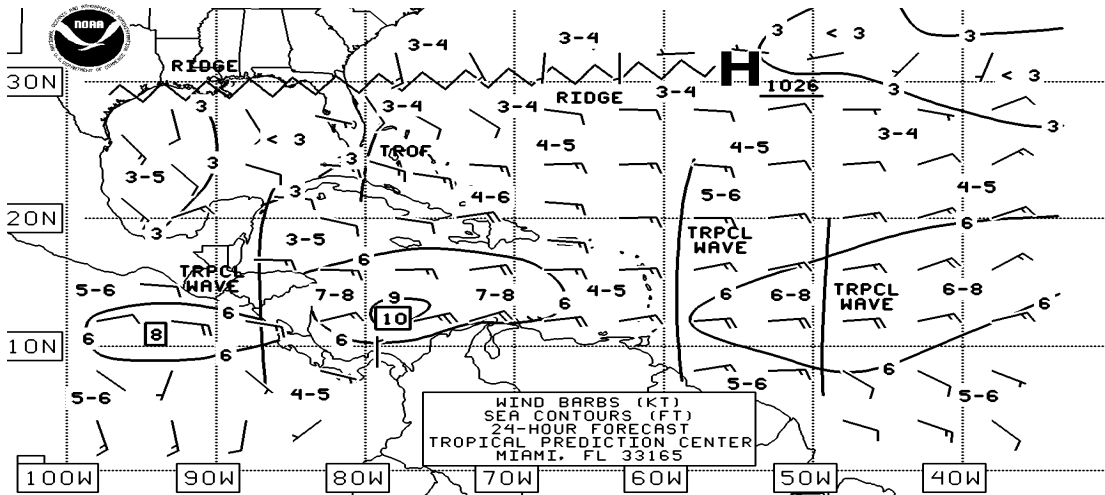


VALID: 00Z AUG 14 2002 - FCSTR: RM

GULF OF MEXICO/CARIBBEAN/ATLANTIC
 SEA STATE ANALYSIS
 CONTOURS => SIG WAVE HGT EVERY 3 FT
 ARROW => PRIMARY SWELL DIRECTION

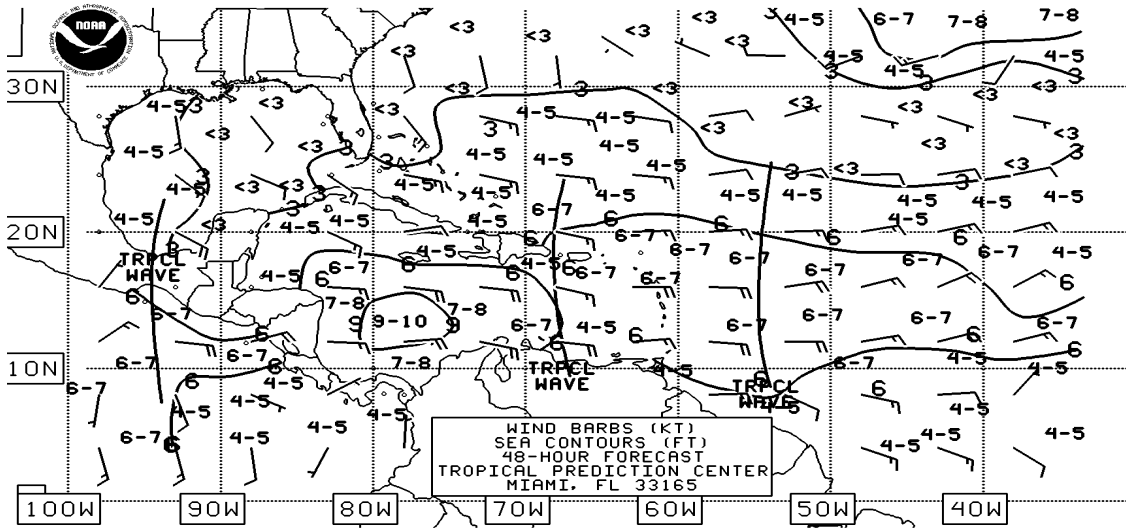


TROPICAL PREDICTION CENTER/TAFB
 MIAMI, FL 33165-2149
 TRANSMITTED THROUGH:
 U. S. C. G. NEW ORLEANS, LA

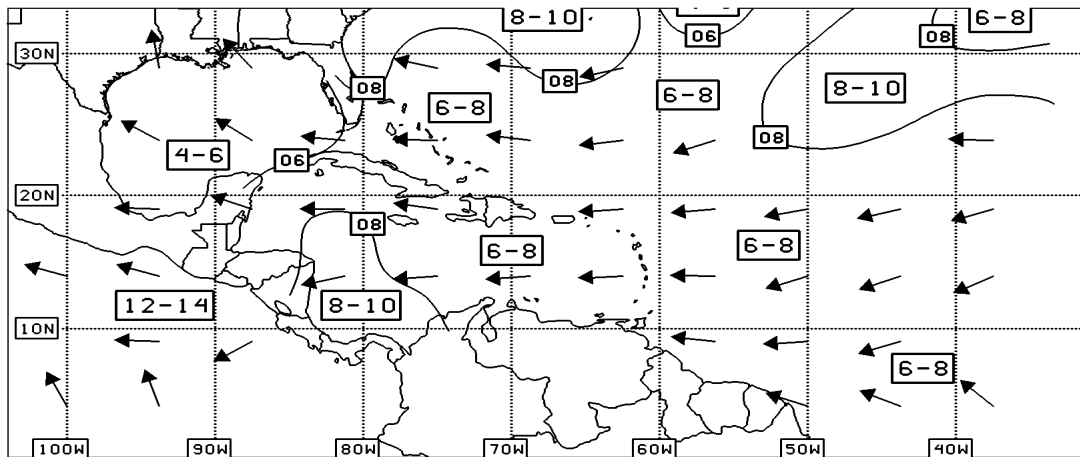


VALID: 00Z AUG 15 2002 - FCSTR: RM

WIND BARBS (KT)
 SEA CONTOURS (FT)
 24-HOUR FORECAST
 TROPICAL PREDICTION CENTER
 MIAMI, FL 33165



VALID: 12Z AUG 16 2002 - FCSTR: WALLY BARNES



VALID: 12Z AUG 16 2002 - FCSTR: TICHACEK

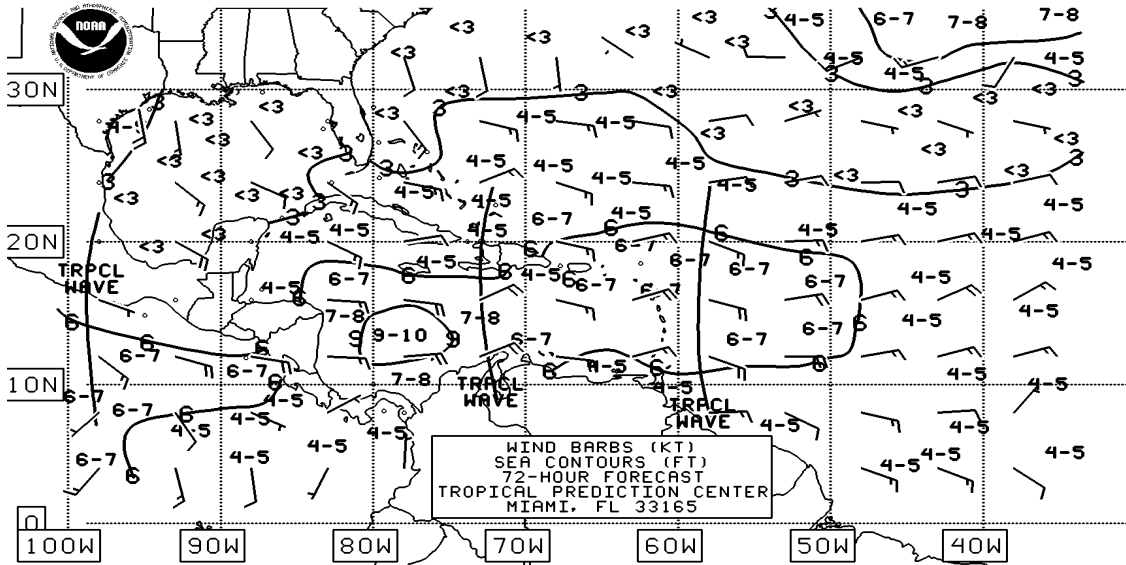
GULF OF MEXICO/CARIBBEAN/ATLANTIC
48-HOUR PEAK WAVE PD/SWELL DIRECTION
CONTOURS => PEAK WAVE PD EVERY 2 SEC
ARROW => PREVAILING SWELL DIRECTION



TROPICAL PREDICTION CENTER/TAFB
MIAMI, FL 33165-2149
TRANSMITTED THROUGH:
U. S. C. G. NEW ORLEANS, LA

72HR Wind/Wave Forecast 0N-31N 35W-100W

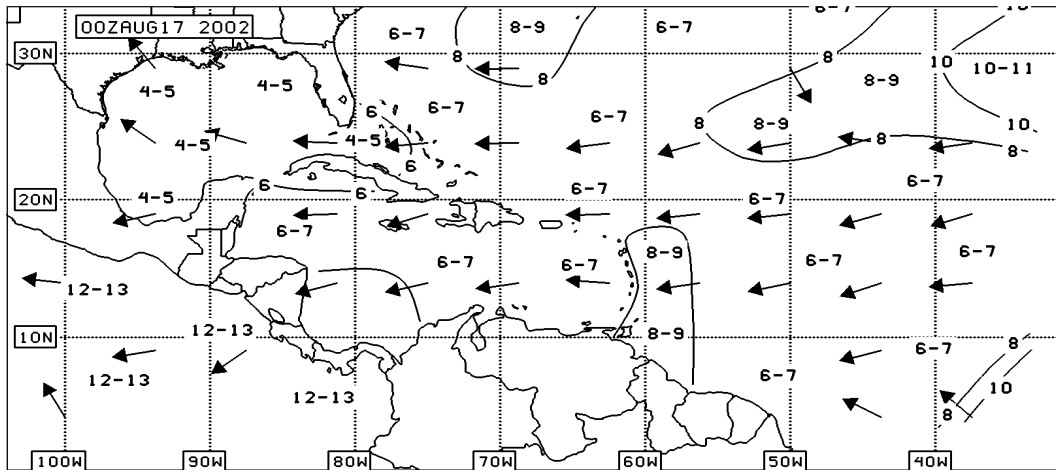
PJEK11.TIF



VALID: 12Z AUG 17 2002 - FCSTR: WALLY BARNES

72HR Wave Period/Swell Dir Forecast VT00Z 0N-31N 35W-100W

PKEK88.TIF

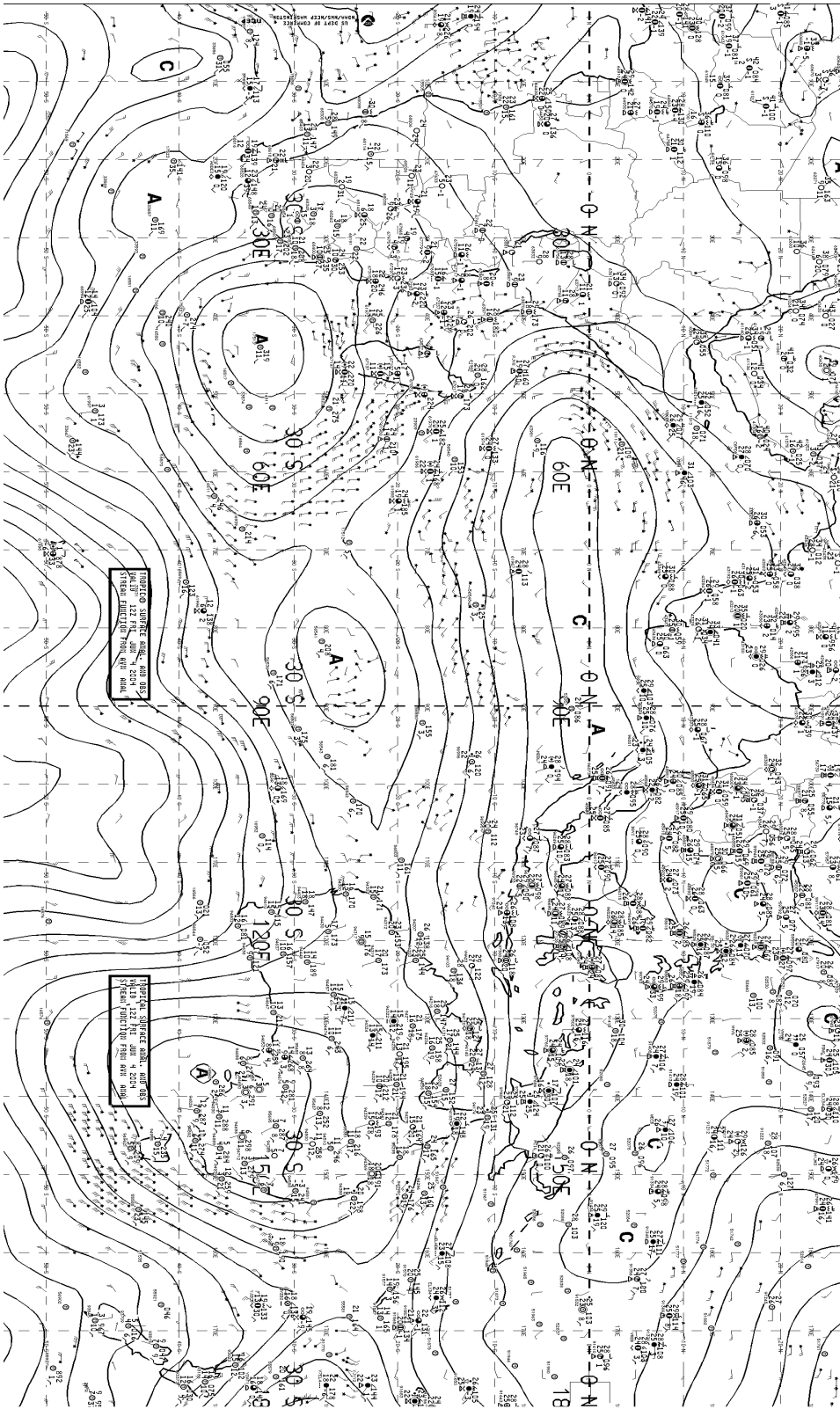


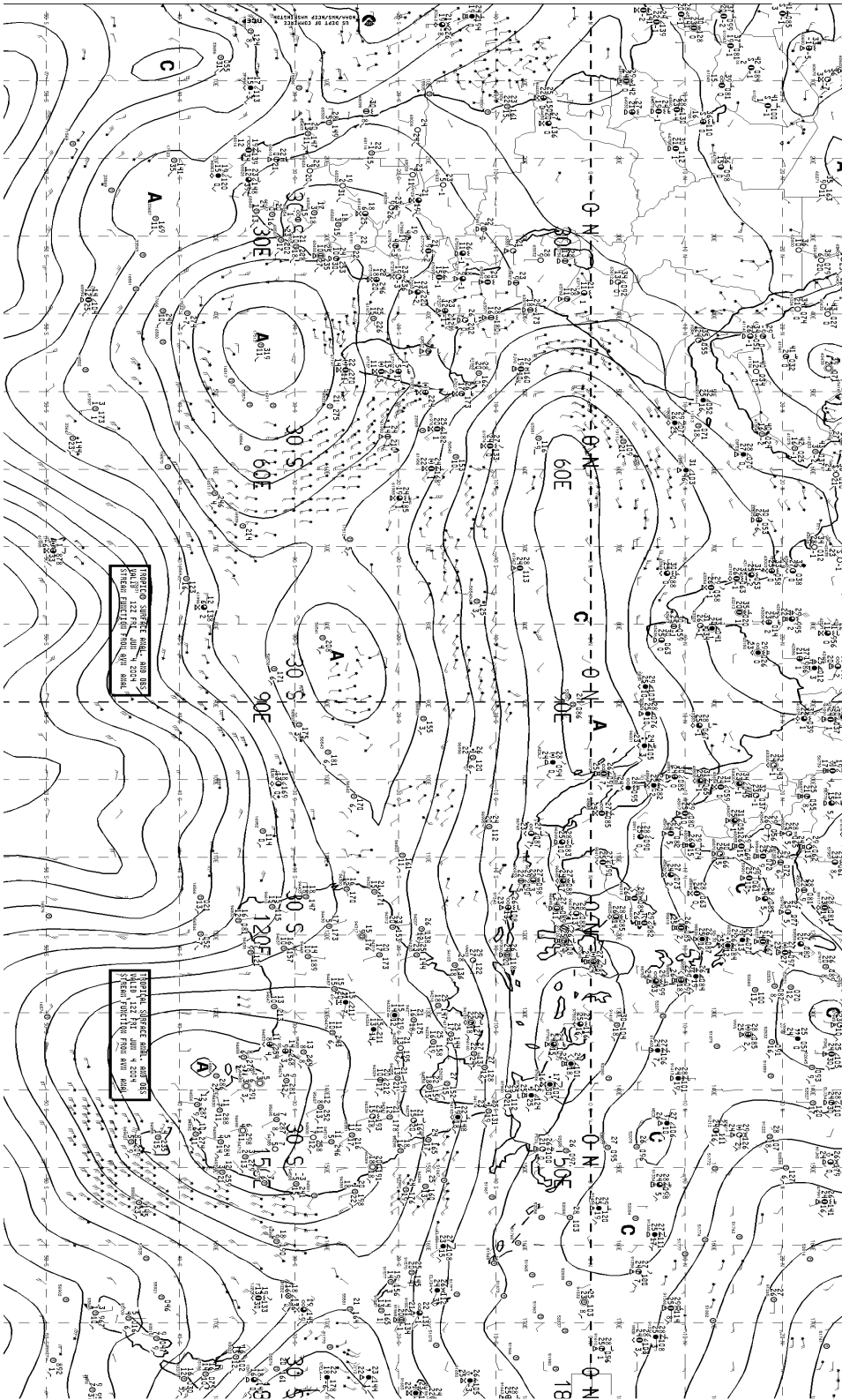
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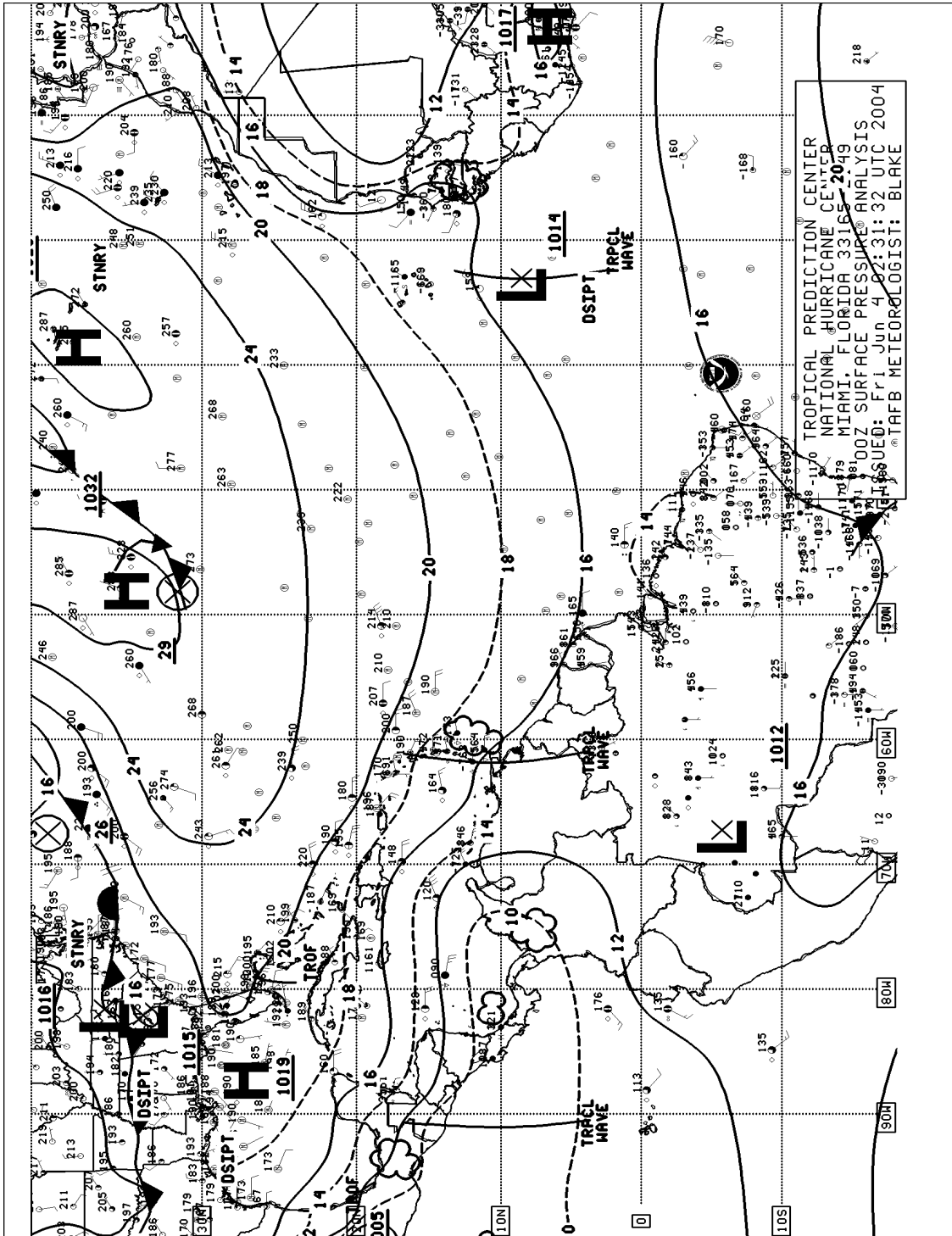
GULF OF MEXICO/CARIBBEAN/ATLANTIC
72-HOUR PEAK WAVE PD/SWELL DIRECTION
CONTOURS => PEAK WAVE PD EVERY 2 SEC
ARROW => PREVAILING SWELL DIRECTION



TROPICAL PREDICTION CENTER/TAFB
MIAMI, FL 33165-2149
TRANSMITTED THROUGH:
U. S. C. G. NEW ORLEANS, LA

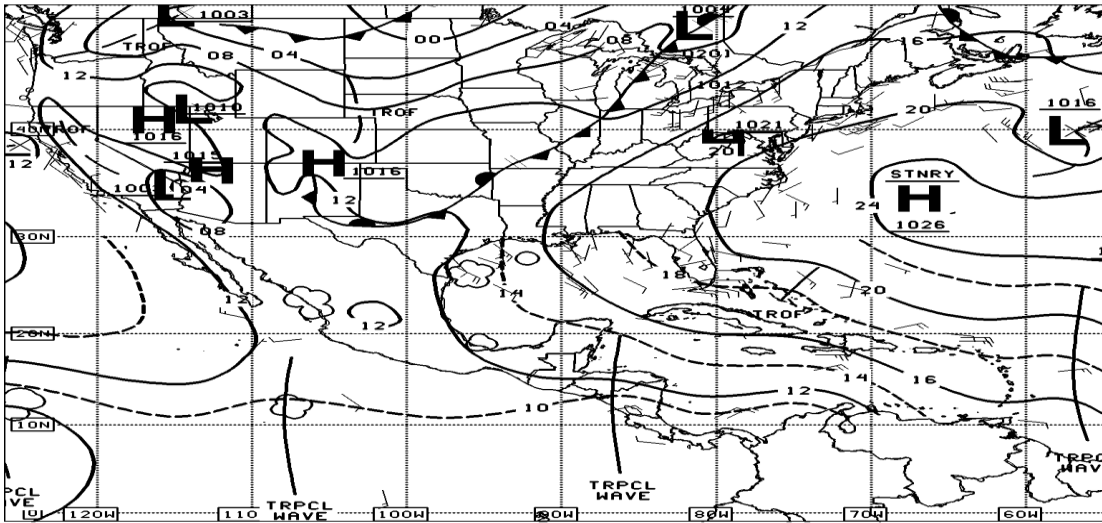






Tropical Surface Analysis (W Half) 5S-50N,55W-125W

PYEB11.TIF



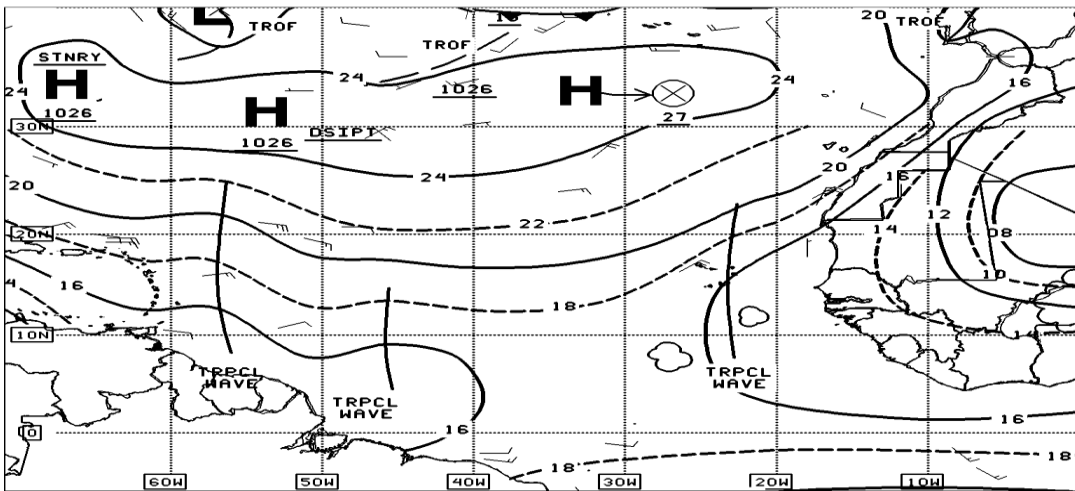
12Z WESTERN TRPCL SFC ANALYSIS
 ISSUED: Wed Aug 14 15:18:41 UTC 2002
 ANALYST: BERG/BLAKE
 Tropical Convection/Tstms ... SCALLOP LINES



TROPICAL PREDICTION CENTER / TAFB
 MIAMI, FLORIDA 33165-2149
 305-229-4425
 via U.S. COAST GUARD
 NEW ORLEANS, LOUISIANA

Tropical Surface Analysis (E Half) 5S-50N 0W-70W

PYEA11.TIF



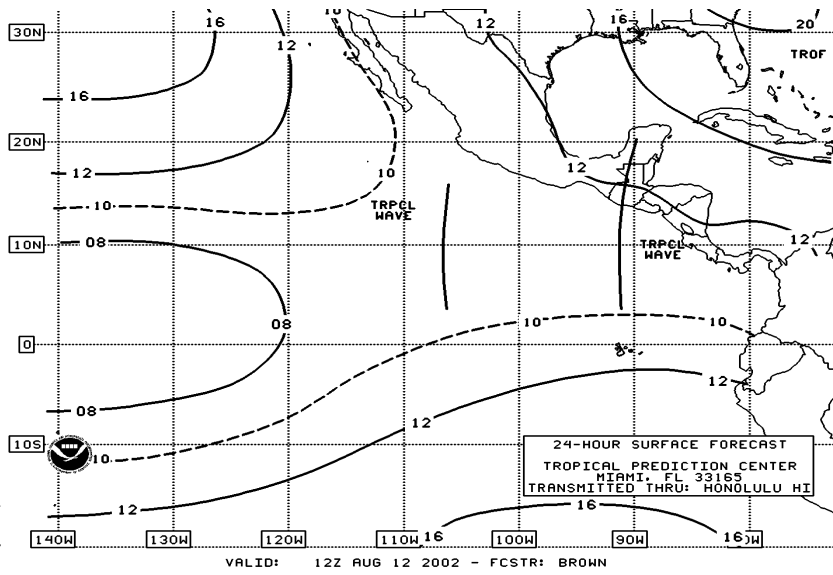
12Z EASTERN TRPCL SFC ANALYSIS
 ISSUED: Wed Aug 14 15:18:41 UTC 2002
 ANALYST: BERG/BLAKE
 Tropical Convection/Tstms ... SCALLOP LINES



TROPICAL PREDICTION CENTER / TAFB
 MIAMI, FLORIDA 33165-2149
 305-229-4425
 via U.S. COAST GUARD
 NEW ORLEANS, LOUISIANA

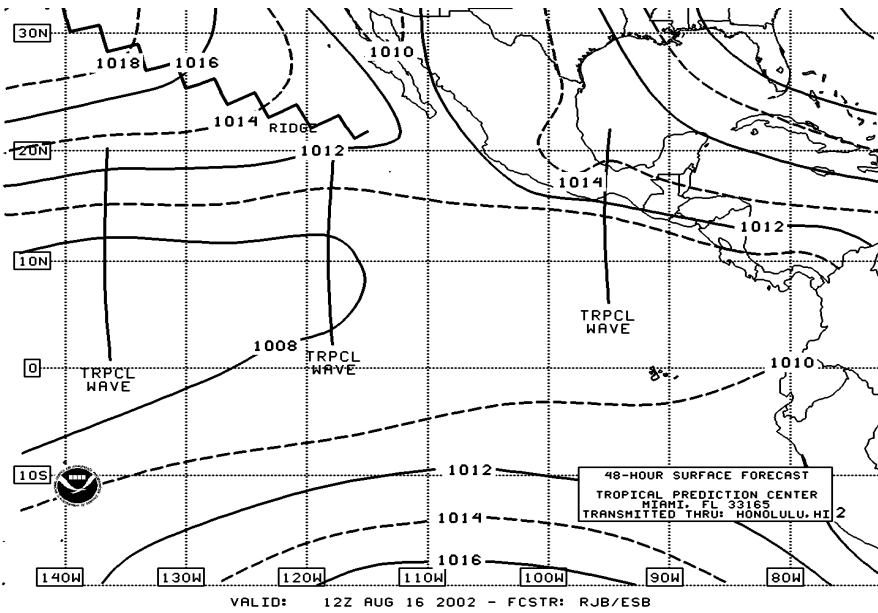
24HR Tropical Surface Forecast (W Half) 20S-30N 80W-145W

PYFE10.TIF



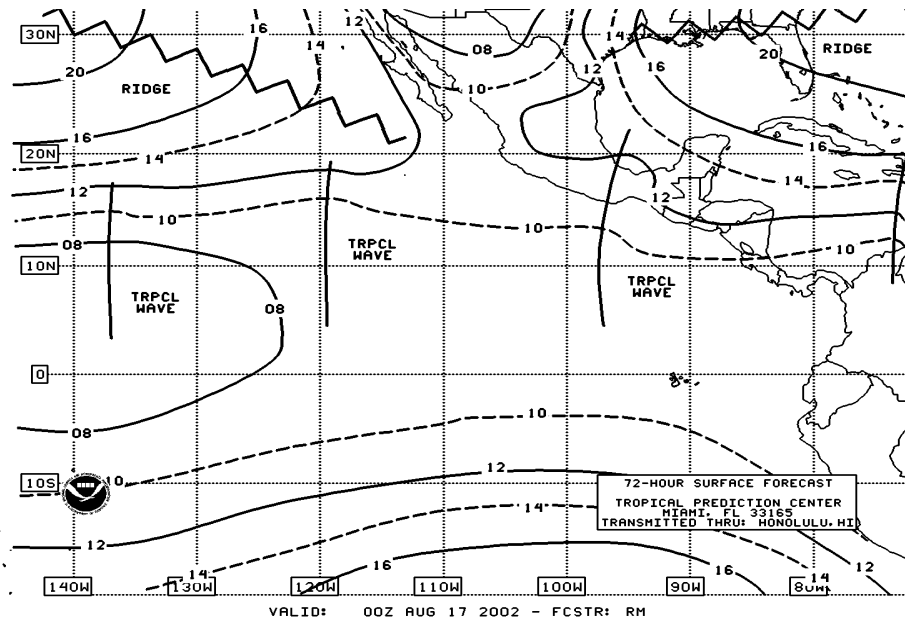
48HR Tropical Surface Forecast (W Half) 20S-30N 80W-145W

PYFI10.TIF



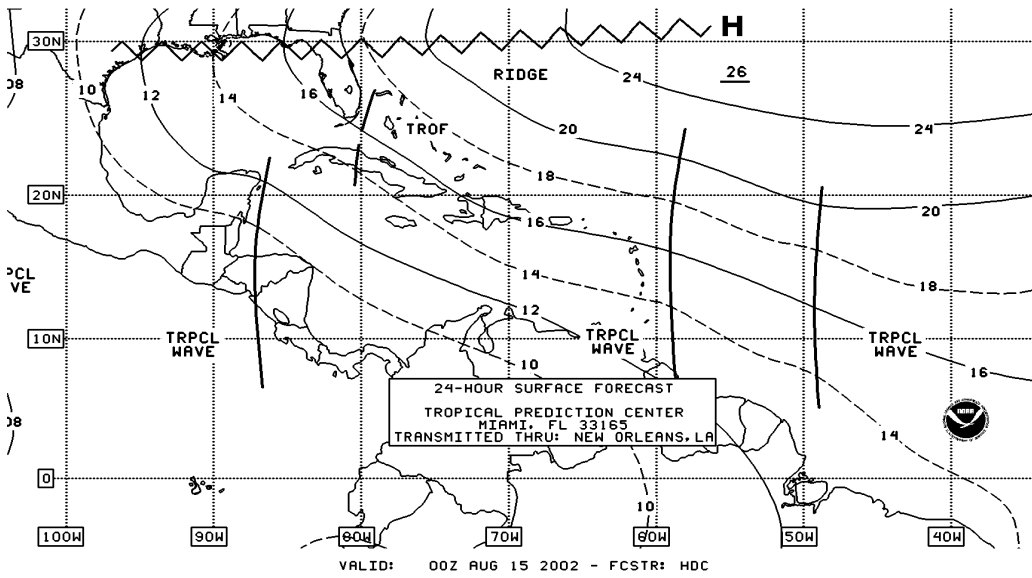
72HR Tropical Surface Forecast (W Half) 20S-30N 80W-145W

PYFK10.TIF



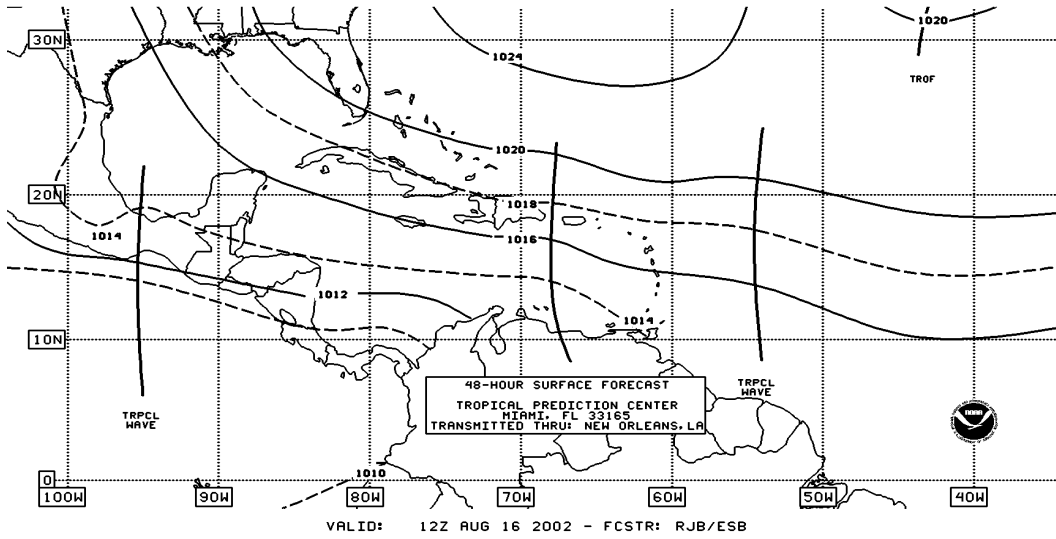
24HR Tropical Surface Forecast (E Half) 00N-31N 35W-100W

PYEE10.TIF



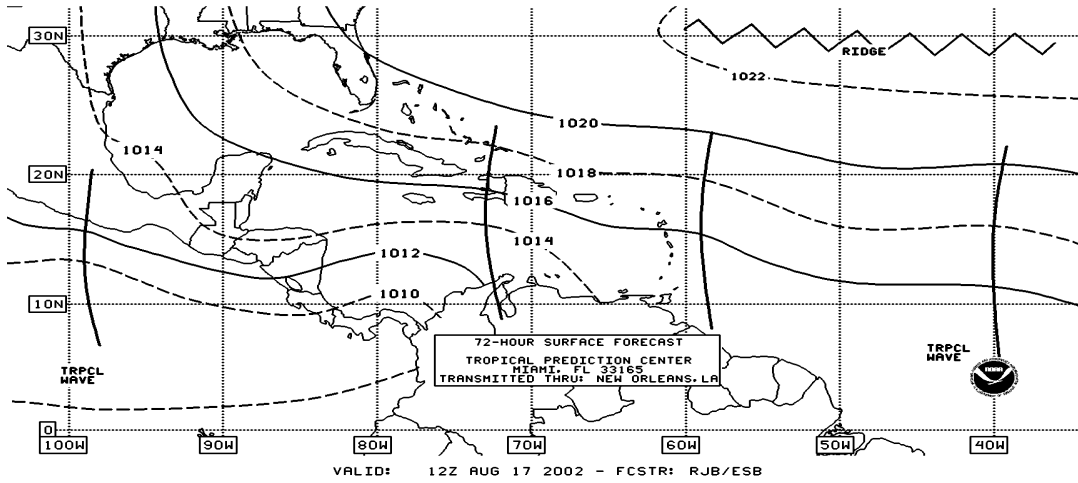
48HR Tropical Surface Forecast (E Half) 00N-31N 35W-100W

PYEI10.TIF



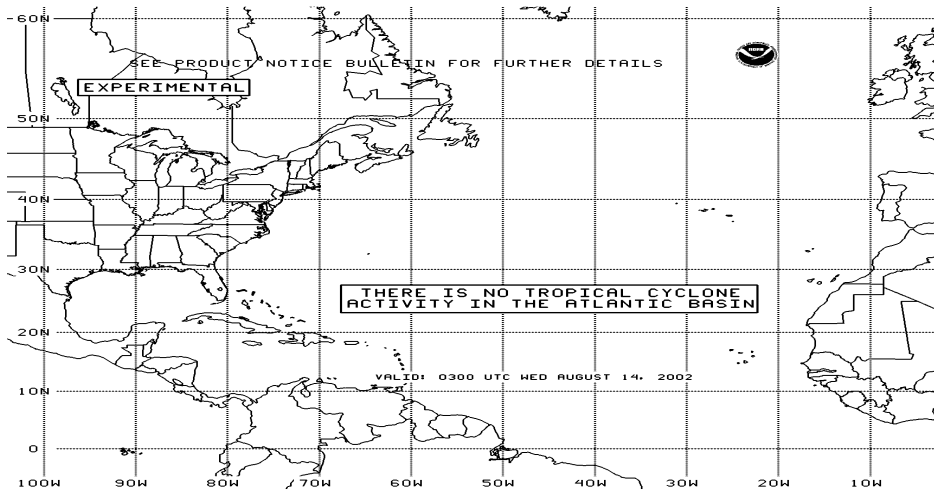
72HR Tropical Surface Forecast (E Half) 00N-31N 35W-100W

PYEK10.TIF



Tropical Cyclone Danger Area 05N-60N, 00W-100W

PWEK11.TIF



High Seas Forecast 7N-31N 35W-98W

PLEA10.TIF

000
FZNT02 KNHC 140308
HSFAT2

HIGH SEAS FORECAST
NATIONAL WEATHER SERVICE MIAMI FL
TROPICAL PREDICTION CENTER/TROPICAL ANALYSIS AND FORECAST BRANCH
0430 UTC WED AUG 14 2002
SUPERSEDED BY NEXT ISSUANCE IN 6 HOURS

ATLANTIC N OF 7N TO 31N W OF 35W INCLUDING CARIBBEAN SEA AND GULF OF MEXICO.

SYNOPSIS VALID 0000 UTC WED AUG 14
24 HOUR FORECAST VALID 0000 UTC THU AUG 15
48 HOUR FORECAST VALID 0000 UTC FRI AUG 16

WARNINGS
NONE.

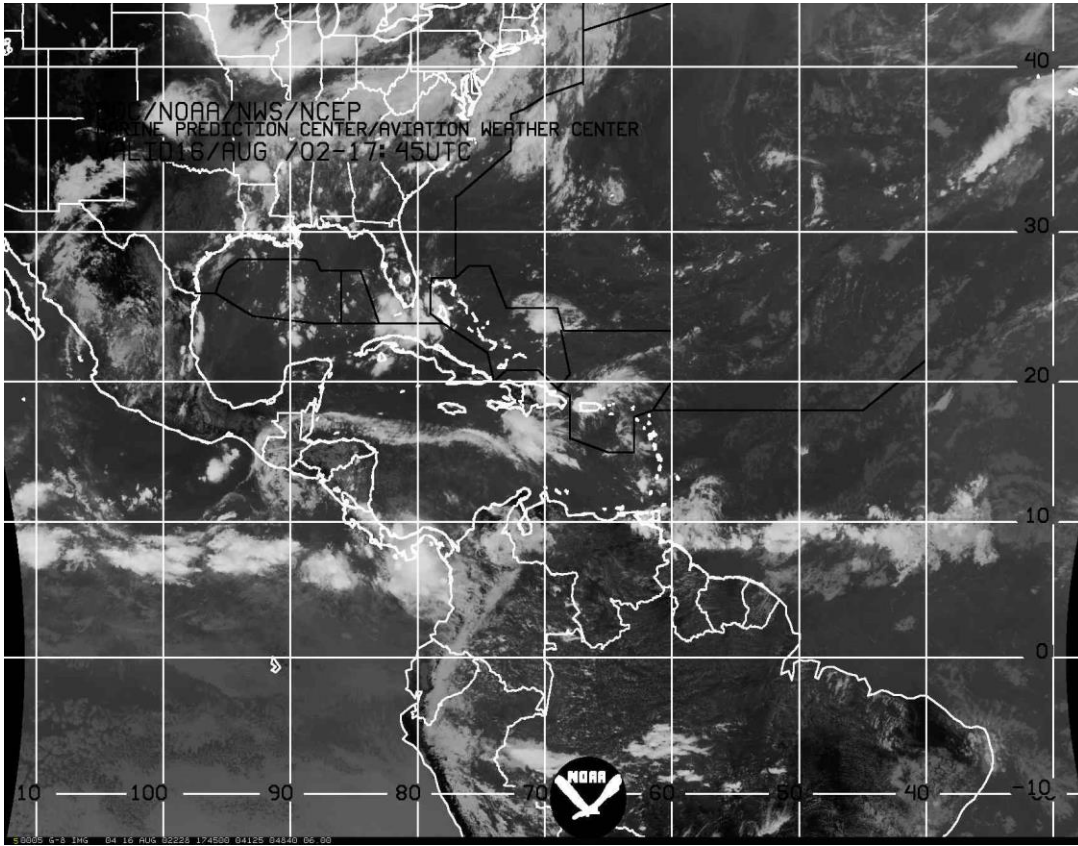
SYNOPSIS AND FORECAST
ATLC TROPICAL WAVE S OF 20N ALONG 42W MOVING W 15 TO 20 KT.
FROM 10N TO 15N E OF 40W AND FROM 17N TO 24N BETWEEN 52W AND 60W
WIND NE TO 20 KT SEAS LESS THAN 8 FT.
24 HOUR FORECAST TROPICAL WAVE S OF 20N ALONG 49W. S OF 15N
WITHIN 240 NM EITHER SIDE OF WAVE WIND NE 20 KT SEAS TO 9 FT.
ELSEWHERE FROM 10N TO 18N W OF 45W WIND NE TO 20 KT SEAS TO 8
FT.
48 HOUR FORECAST TROPICAL WAVE S OF 20N ALONG 56W. S OF 17N
WITHIN 300 NM EITHER SIDE OF WAVE WIND NE TO E 20 TO 25 KT SEAS
8 TO 11 FT. ELSEWHERE S OF 18N W OF 45W WIND NE TO 20 KT SEAS
TO 8 FT.

CARIBBEAN FROM 11N TO 17N BETWEEN 67W AND 81W WIND NE TO E 20 TO
25 KT SEAS 8 TO 10 FT. S OF 17N W OF 81W WIND E TO 20 KT SEAS
TO 8 FT.
24 HOUR FORECAST LITTLE CHANGE.
48 HOUR FORECAST FROM 11N TO 17N BETWEEN 65W AND 81W WIND NE 20
TO 25 KT SEAS 8 TO 11 FT. S OF 17N W OF 81W WIND E TO 20 KT
SEAS TO 8 FT.

GULF OF MEXICO W OF 94W WIND SE TO S TO 20 KT SEAS LESS THAN 8
FT.
24 HOUR FORECAST LITTLE CHANGE.
48 HOUR FORECAST LITTLE CHANGE.

REMAINDER FORECAST AREA WIND LESS THAN 20 KT SEAS LESS THAN 8 FT.

FORECASTER HOLLEDA
TROPICAL PREDICTION CENTER
TROPICAL ANALYSIS AND FORECAST BRANCH



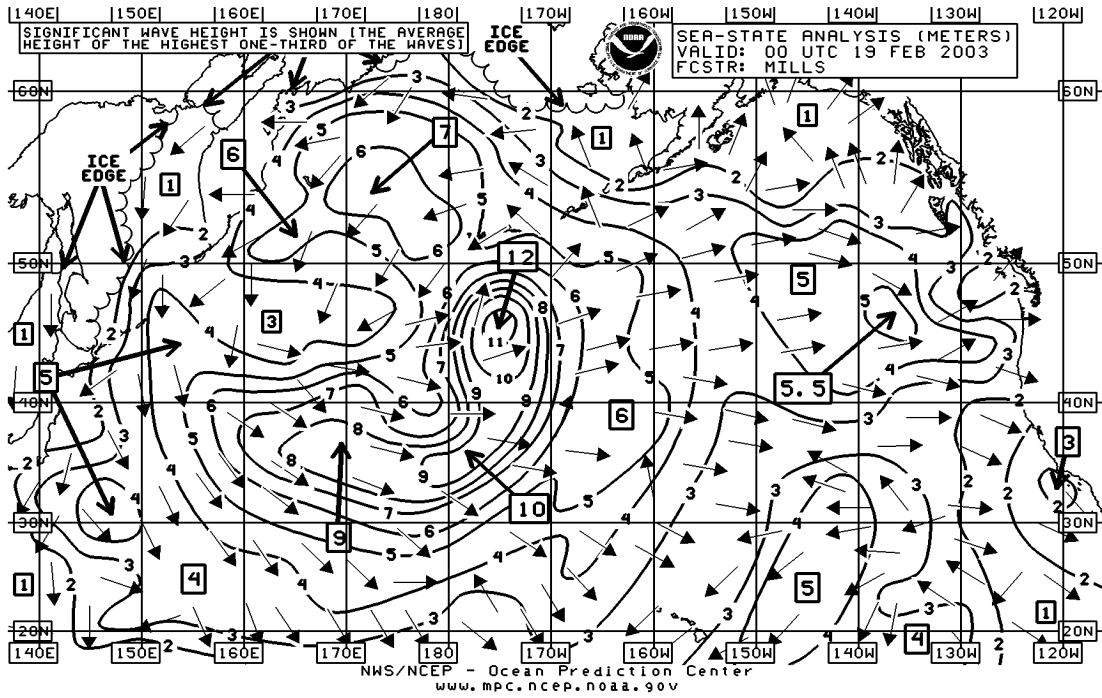
NATIONAL WEATHER SERVICE

EASTERN PACIFIC OCEAN

<u>Product/Chart</u>	<u>Chart ID</u>
WIND/WAVE CHARTS	
Sea State Analysis 25N-60N E OF 155W	PWBA90.TIF
00Z Sea State Analysis 20N-70N 115W-135E	PJBA99.TIF
24HR Wind/Wave Forecast 25N-60N E of 155W	PWBE10.TIF
48HR Wind Wave Forecast 20N-70N 115W-135E	PJBI10.TIF
48HR Wave Period/Swell Direction 20N-70N 115W-135E	PJBI20.TIF
96HR Wind/Wave Forecast VT00Z 20N-70N 115W-135E	PJBM98.TIF
96HR Wave Period/Swell Direction VT00Z 20N-70N 115W-135E	PJBM88.TIF
TROPICAL WIND/WAVE CHARTS	
Analysis & 24HR Wind/Wave Forecast 30N-20S E of 145W	PJBA90.TIF
48HR Wind/Wave Forecast VT00Z 30N-20S E of 145W	PWFI88.TIF
48HR Wave Period/Swell Direction VT12Z 30N-20S E of 145W	PJFI88.TIF
48HR & 72HR Wave Period/Swell Direction VT00Z 30N-20S E of 145W	PJFK88.TIF
48HR & 72HR Wind/Wave Forecast VT12Z 30N-20S E of 145W	PWFI89.TIF
SURFACE CHARTS	
Surface Analysis NE Pacific (Part 1) 20N-70W 115W-175W	PYBA90.TIF
Surface Analysis NW Pacific (Part 2) 20N-70W 175W-135E	PYBA91.TIF
24HR Surface Forecast 25N-60W E of 155W	PPBE10.TIF
48HR Surface Forecast 20N-70W 115W-135E	PWB110.TIF
96HR Surface Forecast VT00Z 20N-70W 115W-135E	PWBM99.TIF
UPPER AIR CHARTS	
500MB Analysis 20N-70N 115W-135E	PPBA10.TIF
48HR 500MB Forecast 20N-70N 115W-135E	PPBI10.TIF
96HR 500MB Forecast VT00Z 20N-70N 115W-135E	PPBM50.TIF
TROPICAL SURFACE CHARTS	
Tropical Surface Analysis 30N-20S E of 145W	PYFA90.TIF
U.S./Tropical Surface Analysis 5S-50N 55W-125W	PYEB11.TIF
24HR Tropical Surface Forecast 20S-30N 80W-145W	PYFE10.TIF
48HR Tropical Surface Forecast 20S-30N 80W-145W	PYFI10.TIF
72HR Tropical Surface Forecast 20S-30N 80W-145W	PYFK10.TIF
TROPICAL CYCLONE CHARTS	
Tropical Cyclone Danger Area 0N-40N 80W-180W	PWFK11.TIF
* Tropical Cyclone Danger Area chart replaced by High Wind/Wave Warning chart Dec 01 - May 14.	
SEA SURFACE TEMPERATURES	
Pacific SST Chart 40N-53N E of 136W	PTBA88.TIF
Pacific SST Chart 23N-42N E of 136W	PTBA89.TIF
SATELLITE IMAGERY	
GOES IR Satellite Image East Pacific	evpn98.jpg
GOES IR Satellite Image Pacific	evpn99.jpg
SCHEDULE INFORMATION	
Radiofax Schedule Part 1 (Point Reyes, CA)	PLBZ01.TIF
Radiofax Schedule Part 2 (Point Reyes, CA)	PLBZ02.TIF
Radiofax Schedule (DOS Text Format)	hfreyes.txt
Product Notice Bulletin	PLBZ04.TIF

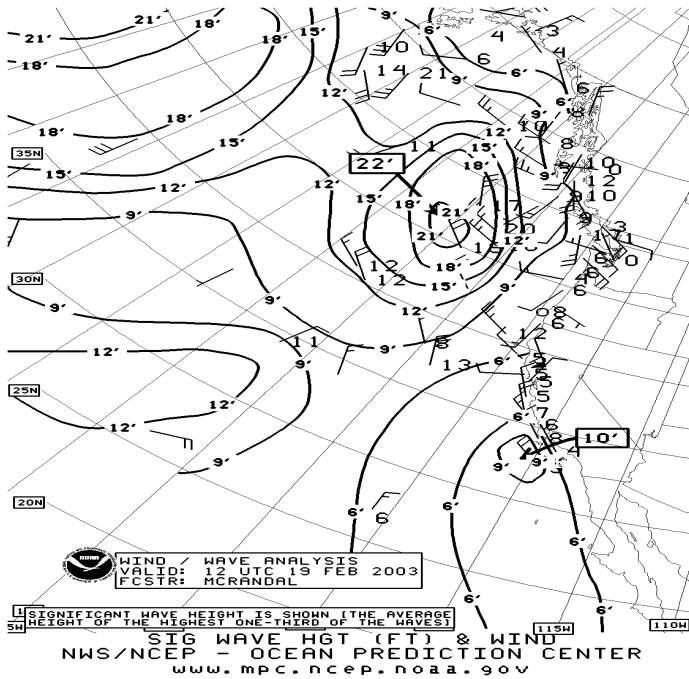
00Z Sea State Analysis 20N-70N 115W-135E

PJBA99.TIF



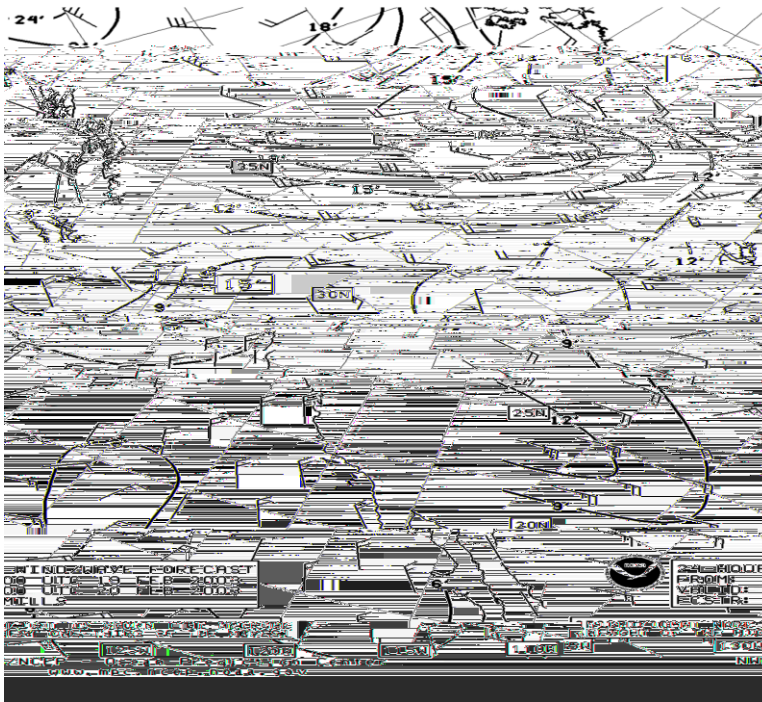
Sea State Analysis 25N-60N E OF 155W

PWBA90.TIF



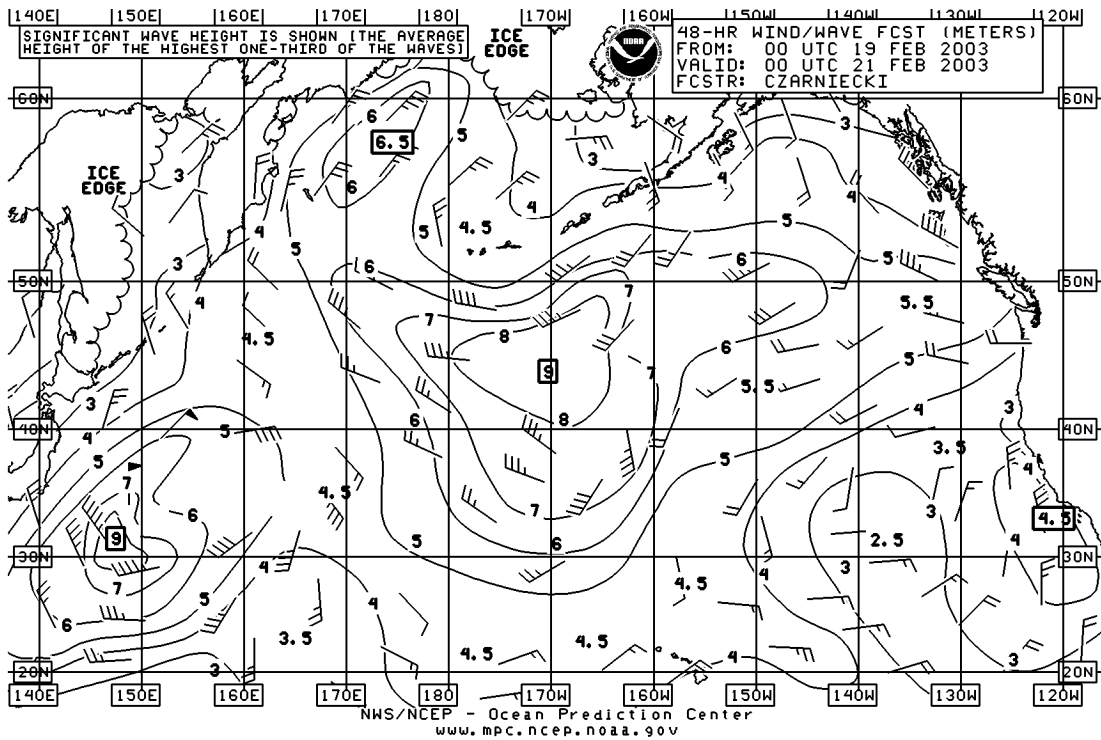
24HR Wind/Wave Forecast 25N-60N E of 155W

PWBE10.TIF



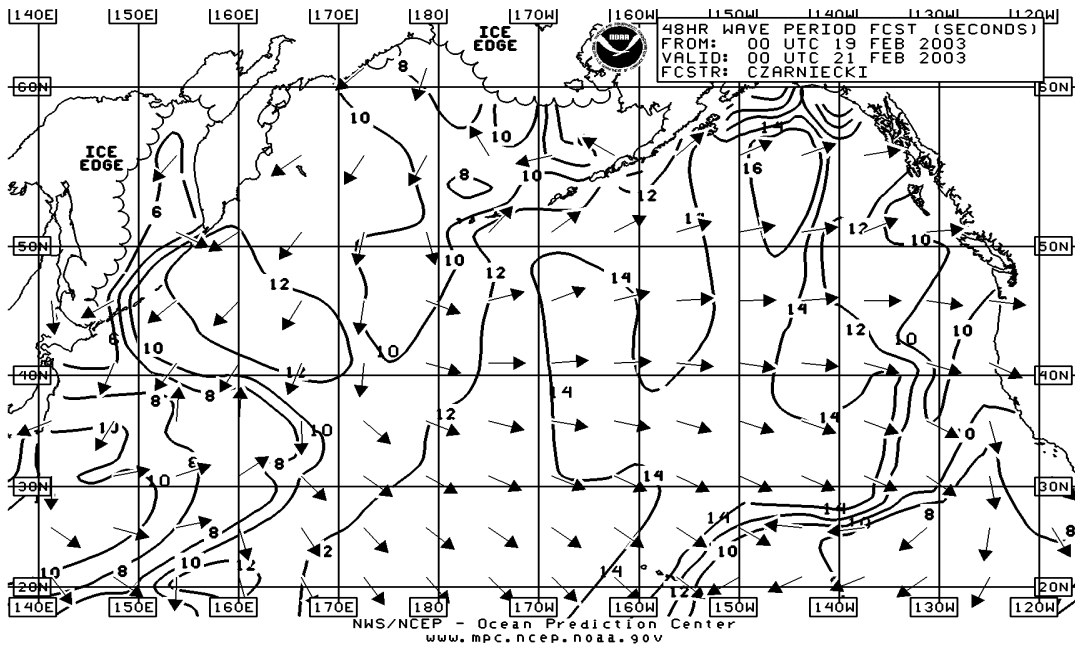
48HR Wind Wave Forecast 20N-70N 115W-135E

PJBI10.TIF



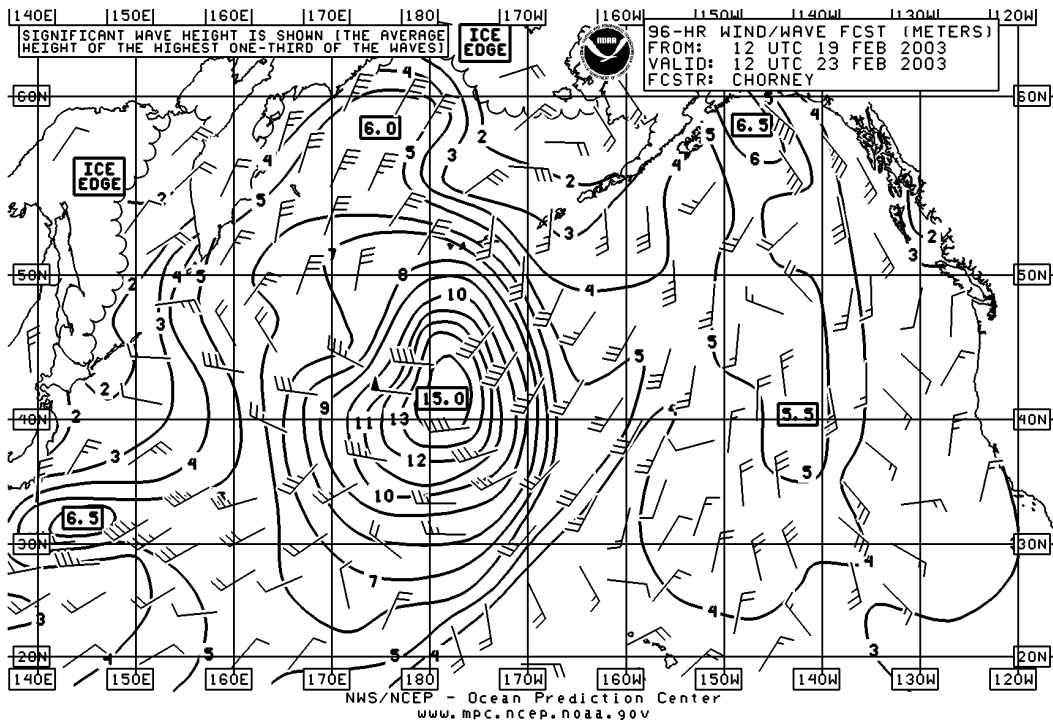
48HR Wave Period/Swell Direction 20N-70N 115W-135E

PJBI20.TIF



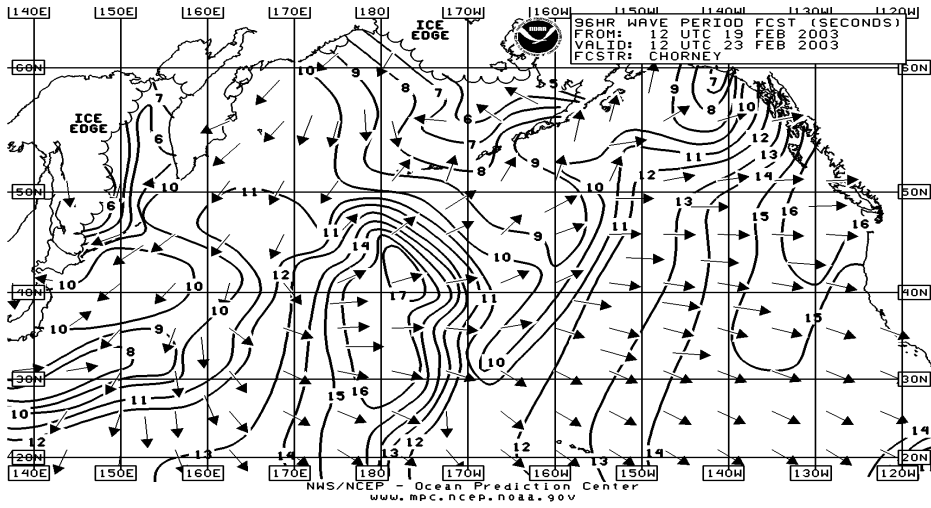
96HR Wind/Wave Forecast VT00Z 20N-70N 115W-135E

PJBM98.TIF



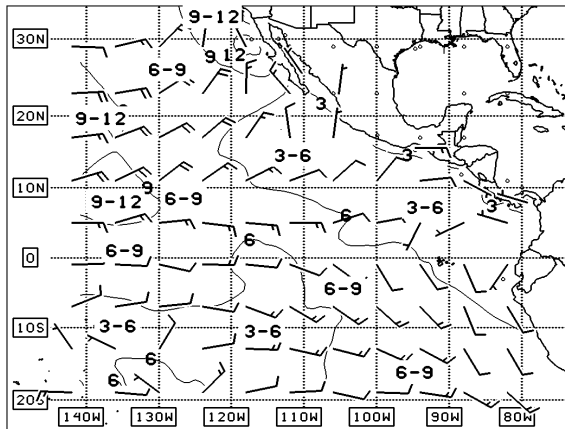
96HR Wave Period/Swell Direction VT00Z 20N-70N 115W-135E

PJBM88.TIF



48HR Wind/Wave Forecast VT00Z 30N-20S E of 145W

PWFI88.TIF



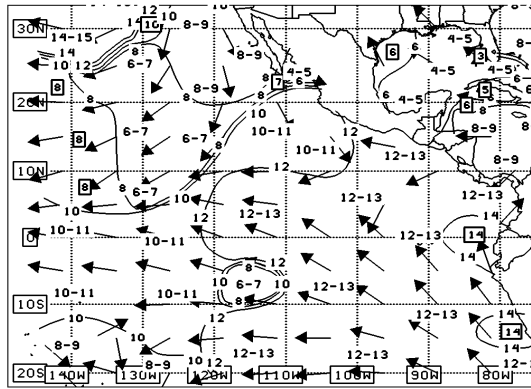
VALID: 00Z FEB 21 2003 - FCSTR: FT

E PACIFIC WIND (KT) & SEA CONTOURS (FT)
 48-HR FORECAST
 CONVECTION ... SCALLOP LINES



TROPICAL PREDICTION CENTER/TAFB
 MIAMI, FL 33165-2149
 TRANSMITTED THROUGH:
 U. S. C. G. PT. REYES, CA

48HR Wave Period/Swell Direction VT12Z 30N-20S E of 145W PJFI88.TIF



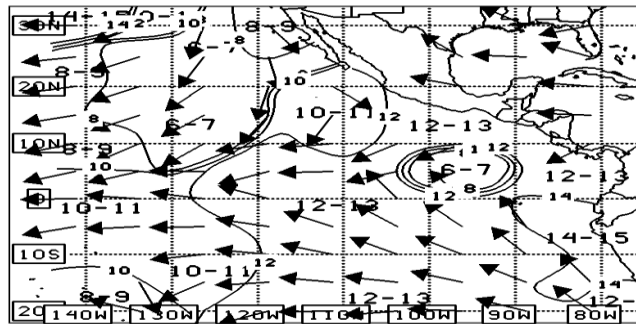
VALID: 12Z FEB 21 2003 - FCSTR: PAW

EAST PACIFIC
48-HOUR PEAK WAVE PD/SWELL DIR
CONTOURS => PEAK WAVE PD EVERY 2 SEC
ARROW => PREVAILING SWELL DIRECTION

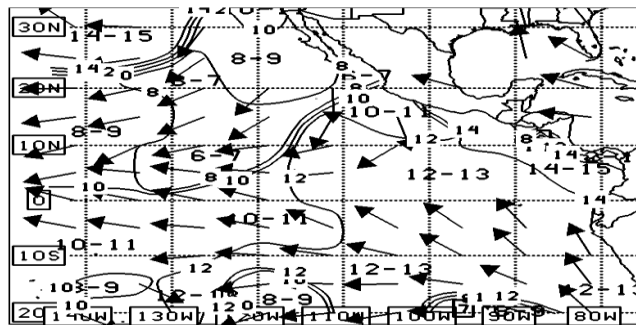


TROPICAL PREDICTION CENTER/TAFB
MIAMI, FL 33165-2149
TRANSMITTED THROUGH:
U.S.C.G. PT. REYES, CA

48HR & 72HR Wave Period/Swell Dir VT00Z 30N-20S E of 145W PJFK88.TIF



VALID: 00Z FEB 21 2003 - FCSTR: ESB

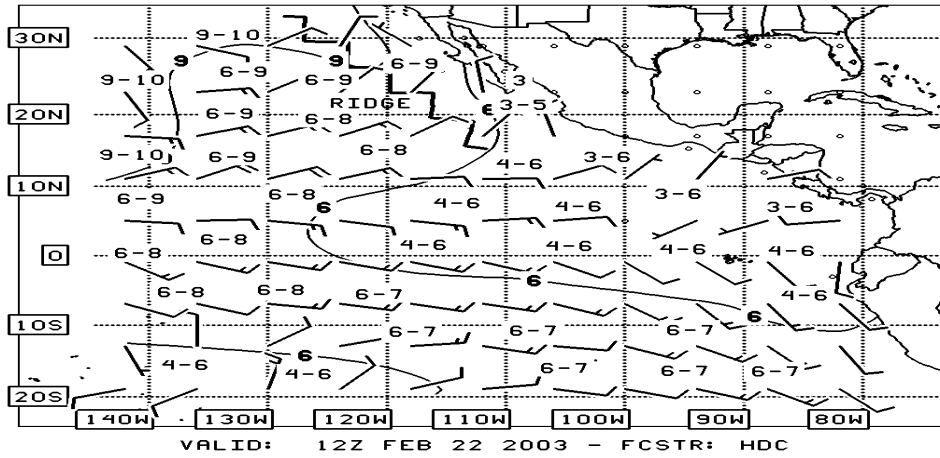
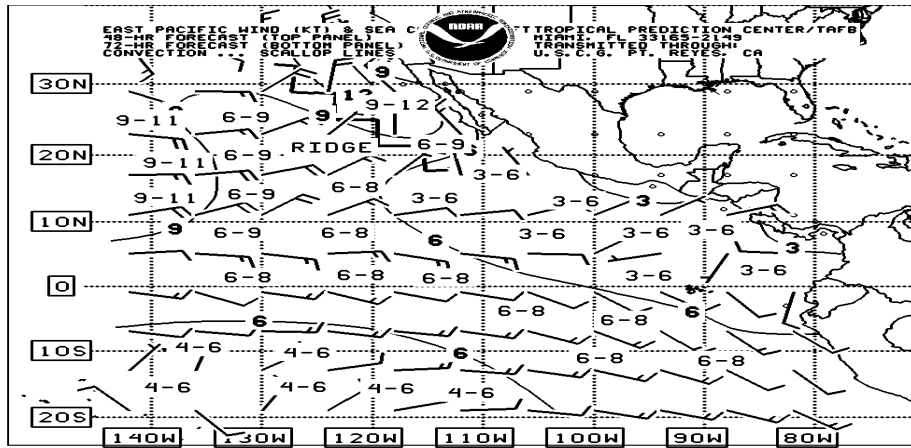


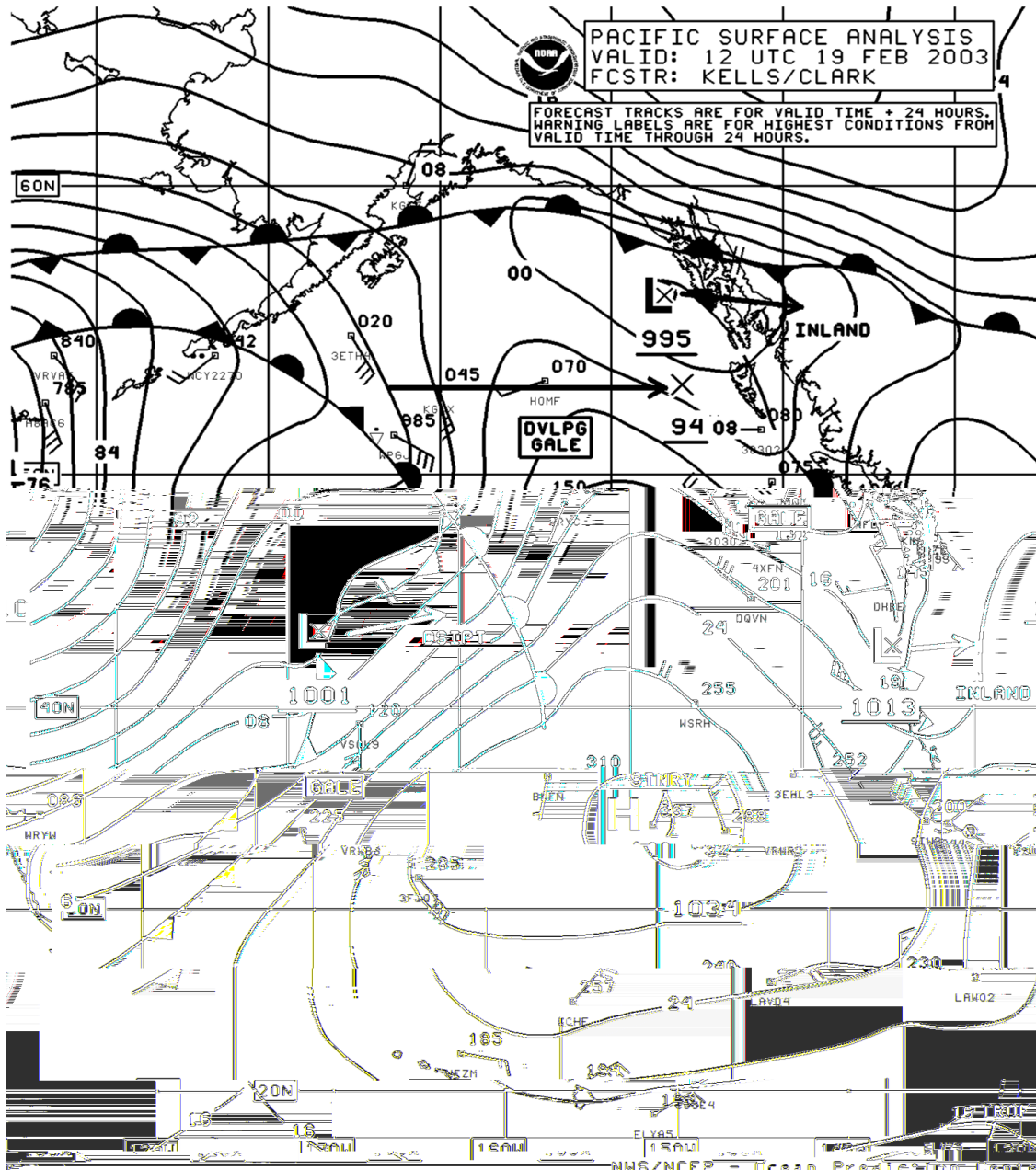
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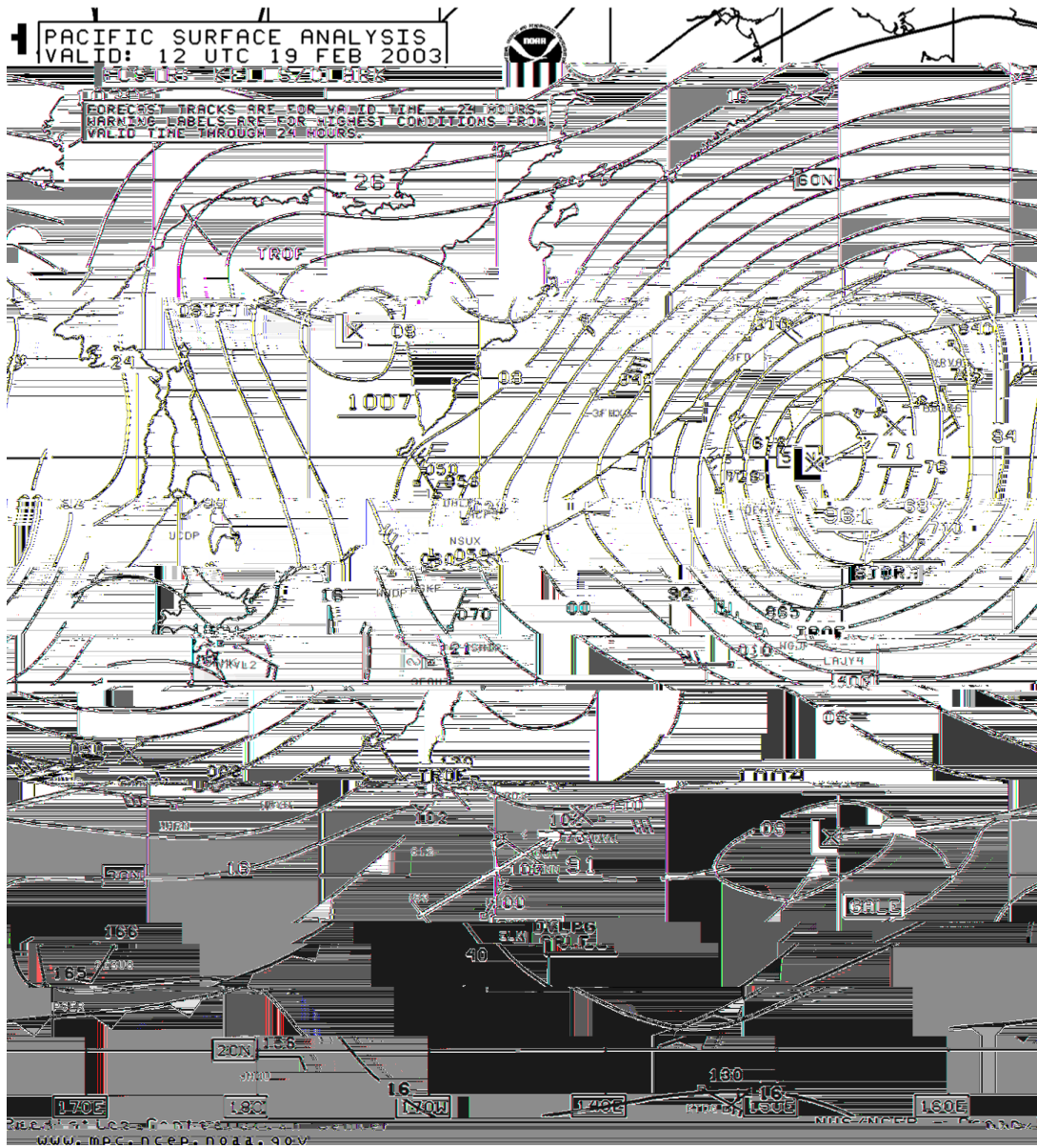
EAST PACIFIC
48/72-HR PEAK WAVE PD/SWELL DIR
CONTOURS => PEAK WAVE PD EVERY 2 SEC
ARROW => PREVAILING SWELL DIRECTION



TROPICAL PREDICTION CENTER/TAFB
MIAMI, FL 33165-2149
TRANSMITTED THROUGH:
U.S.C.G. PT. REYES, CA

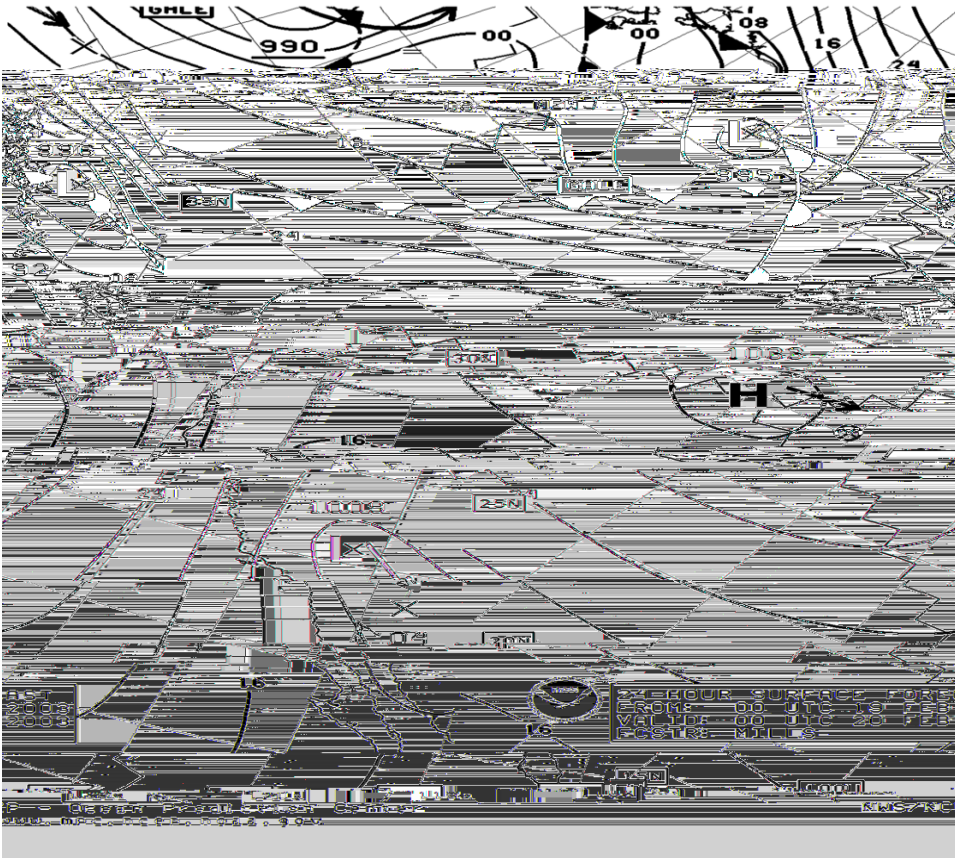






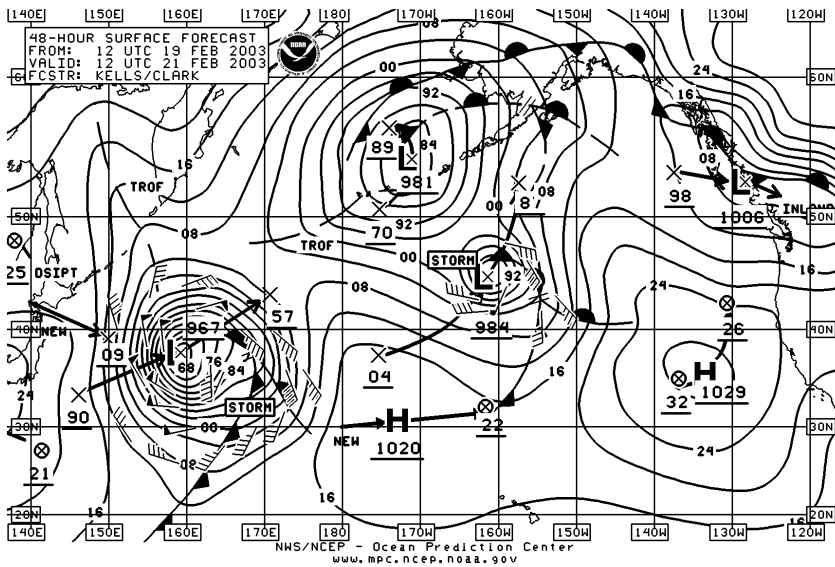
24HR Surface Forecast 25N-60W E of 155W

PPBE10.TIF



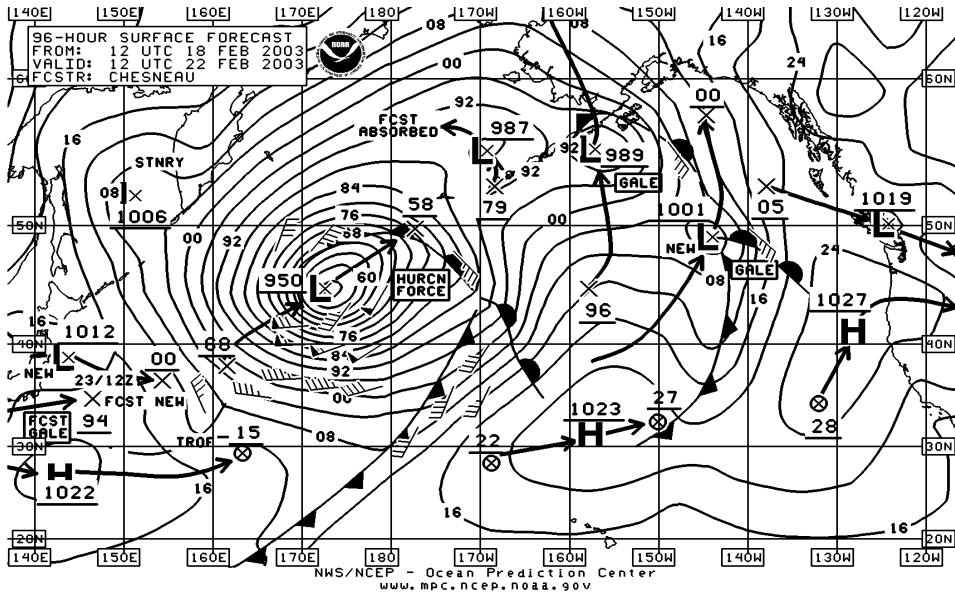
48HR Surface Forecast 20N-70W 115W-135E

PWBI10.TIF



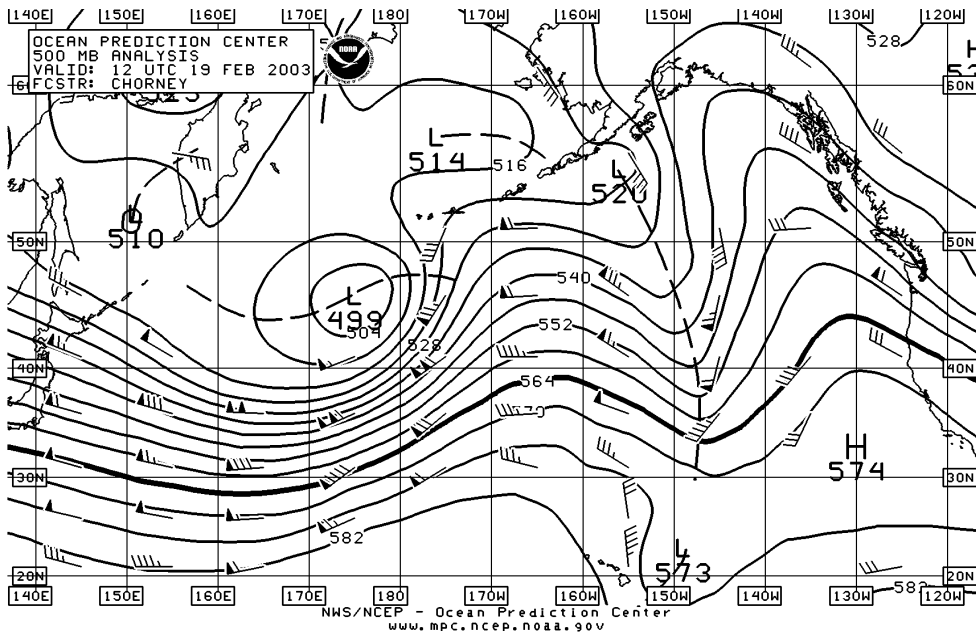
96HR Surface Forecast VT00Z 20N-70W 115W-135E

PWBM99.TIF



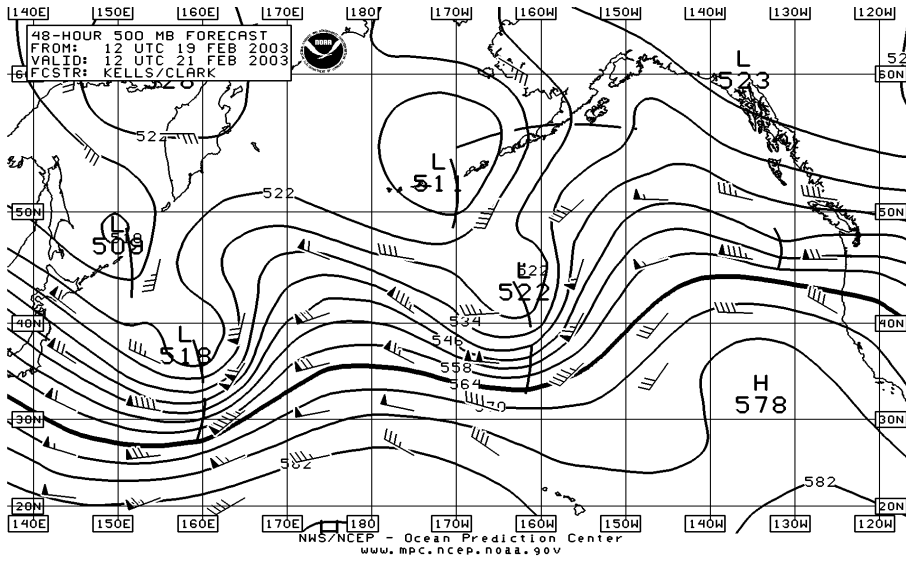
500MB Analysis 20N-70N 115W-135E

PPBA10.TIF



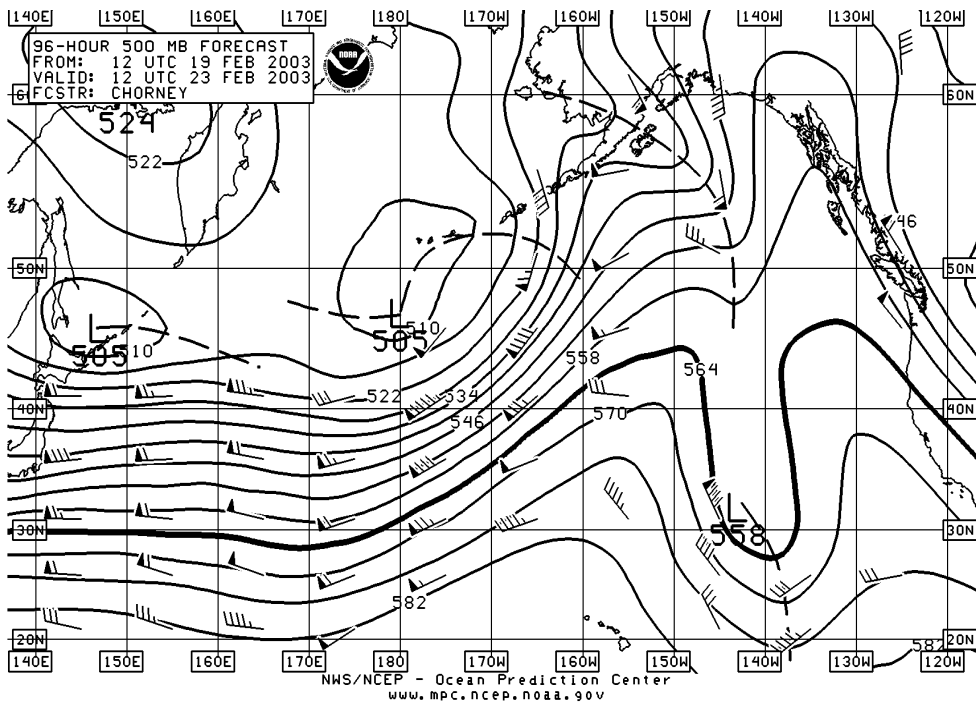
48HR 500MB Forecast 20N-70N 115W-135E

PPBI10.TIF



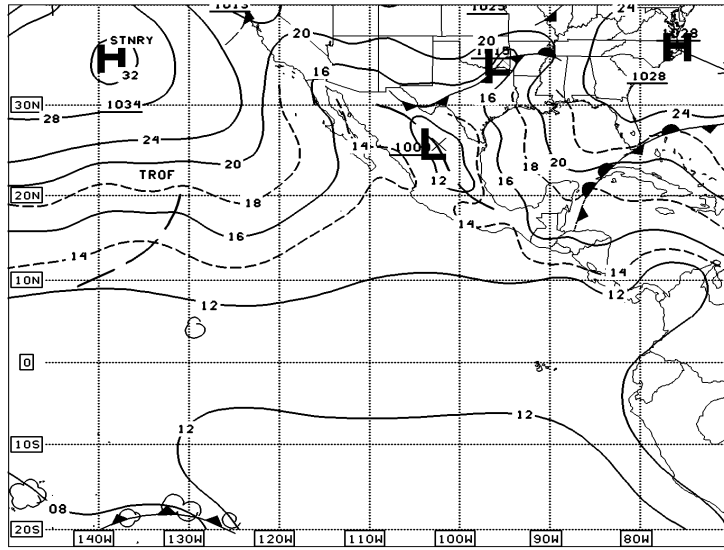
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Tropical Surface Analysis 30N-20S, E of 145W

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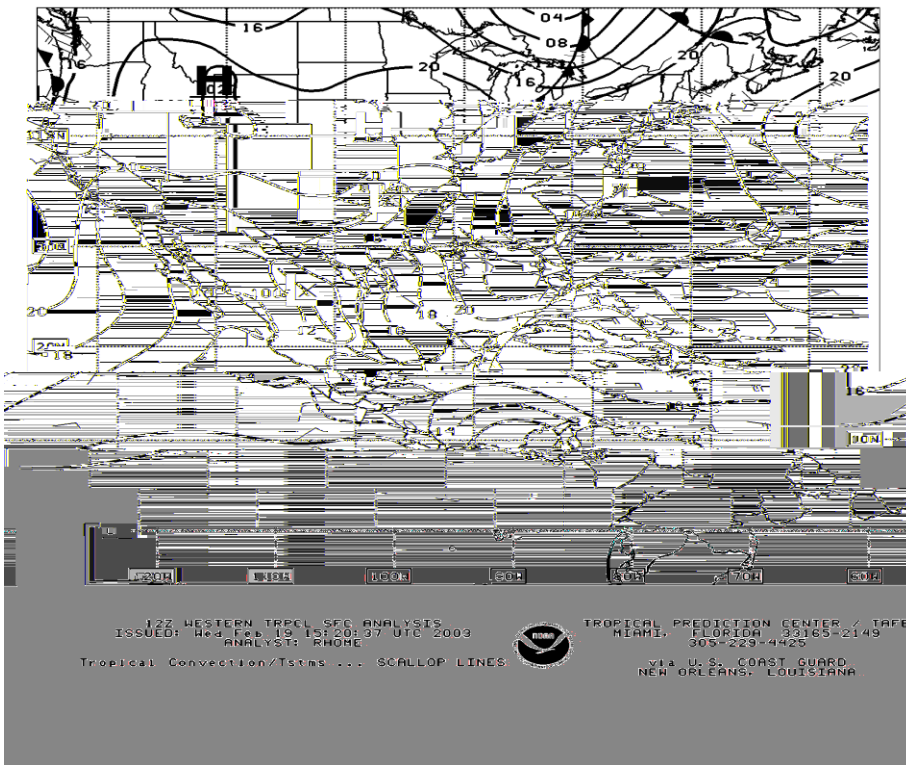
12Z EAST PACIFIC SURFACE ANALYSIS
ISSUED: WED FEB 19 15:20:37 UTC 2003
ANALYST: RHOME
TROP CONVECTION/TSTMS ... SCALLOP LINES



TROPICAL PREDICTION CENTER / TAFB
MIAMI, FLORIDA 33165-2149
305-229-4425
VIA U.S. COAST GUARD
PT REYES, CALIFORNIA

U.S./Tropical Surface Analysis (W Half) 5S-50N 55W-125W

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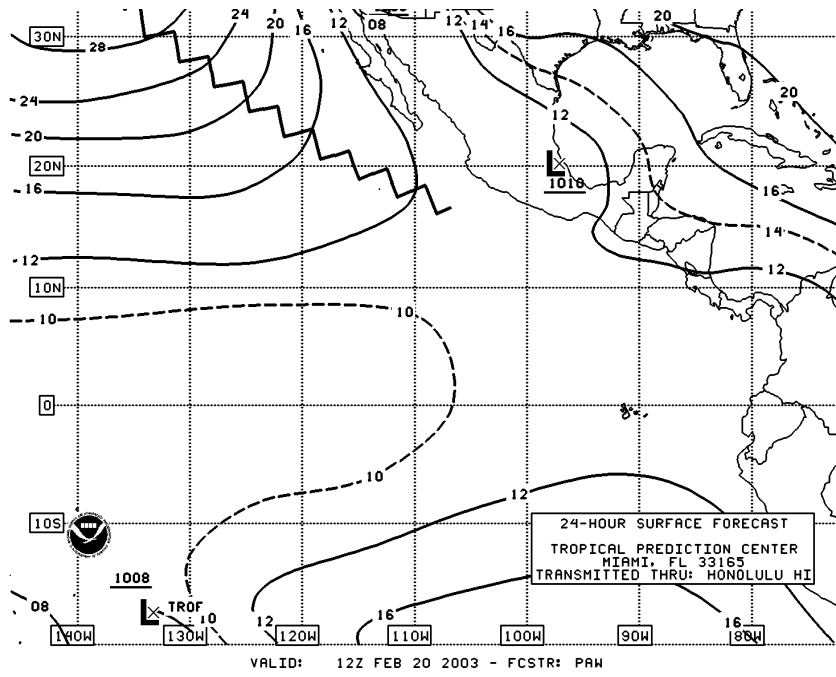
12Z WESTERN TROPICAL SURFACE ANALYSIS
ISSUED: WED FEB 19 15:20:37 UTC 2003
ANALYST: RHOME
TROPICAL CONVECTION/TSTMS ... SCALLOP LINES



TROPICAL PREDICTION CENTER / TAFB
MIAMI, FLORIDA 33165-2149
305-229-4425
VIA U.S. COAST GUARD
NEW ORLEANS, LOUISIANA

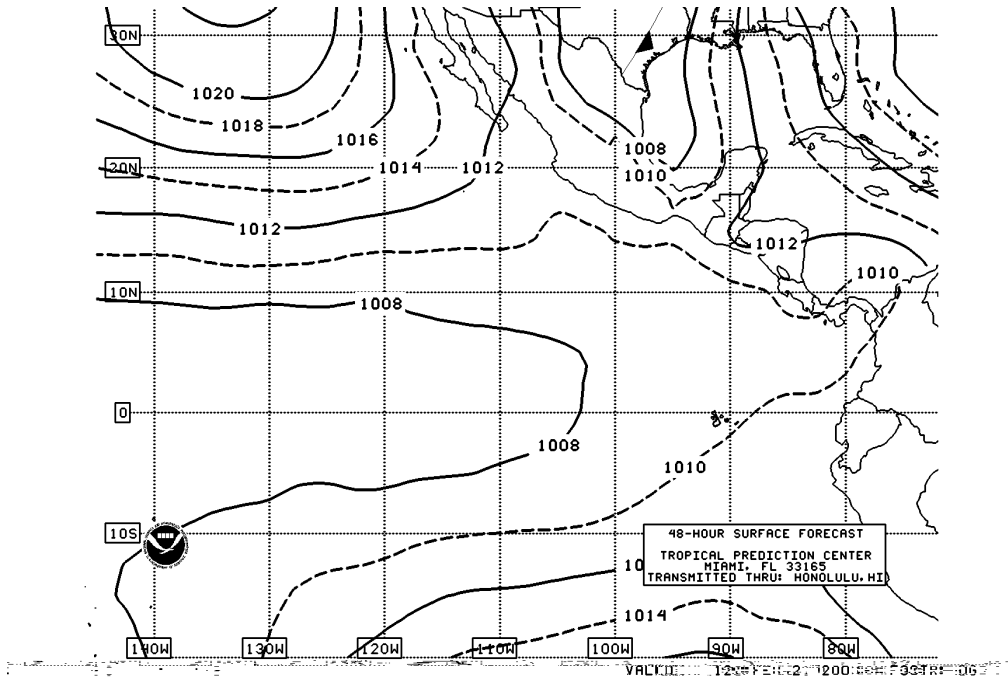
24HR Tropical Surface Forecast 20S-30N 80W-145W

PYFE10.TIF



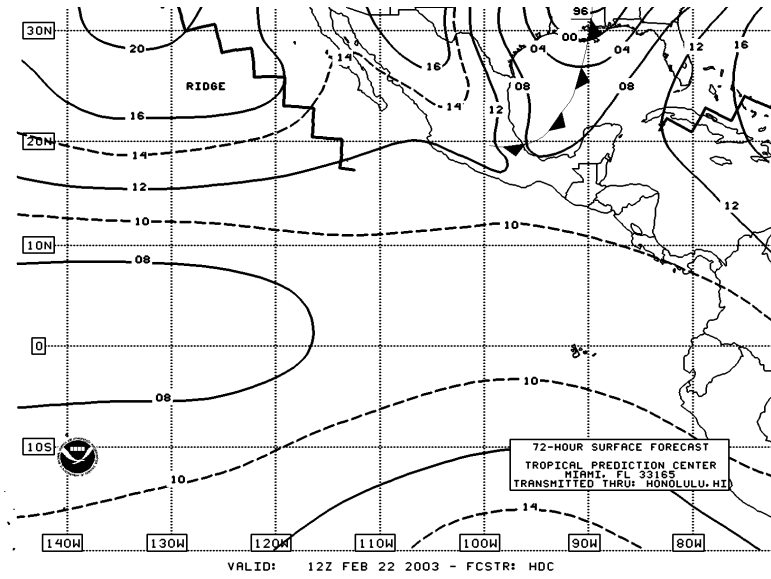
48HR Tropical Surface Forecast 20S-30N 80W-145W

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72HR Tropical Surface Forecast 20S-30N 80W-145W

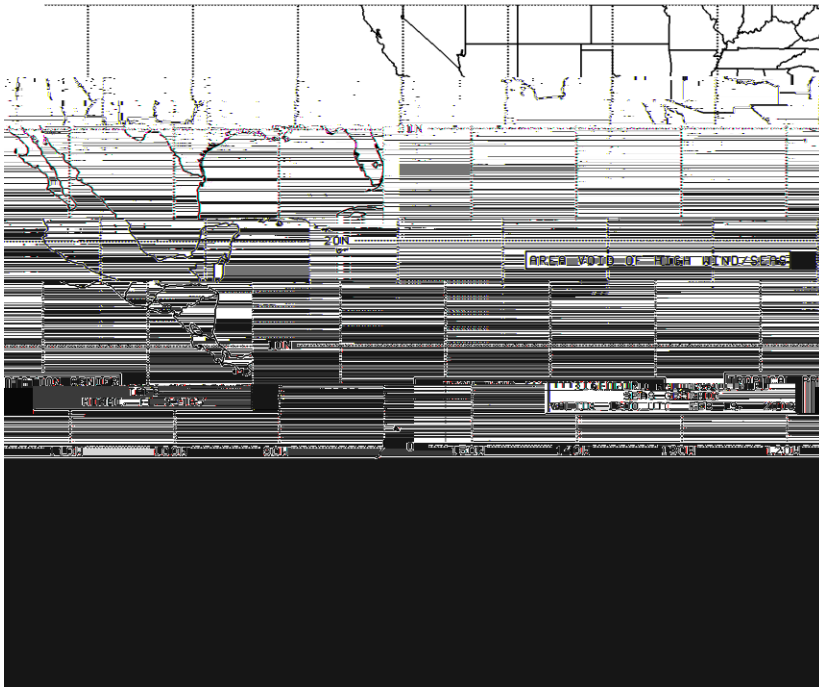
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72 HR Tropical Cyclone Danger Area 0N-40N 80W-180W

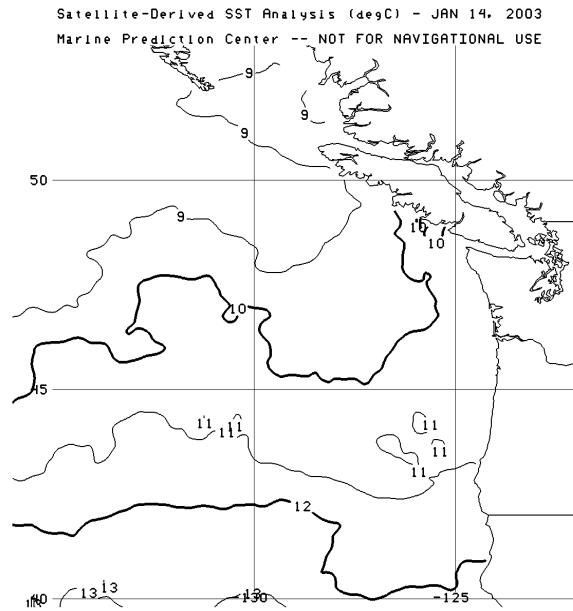
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Note: Tropical Cyclone Danger Area chart replaced by High Wind/Wave Warning chart Dec 01 - May 14.



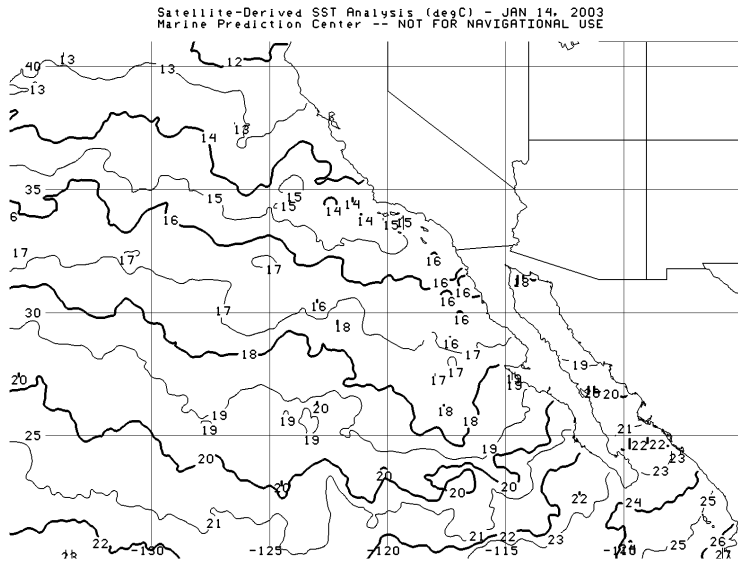
Pacific SST Chart 40N-53N E of 136W

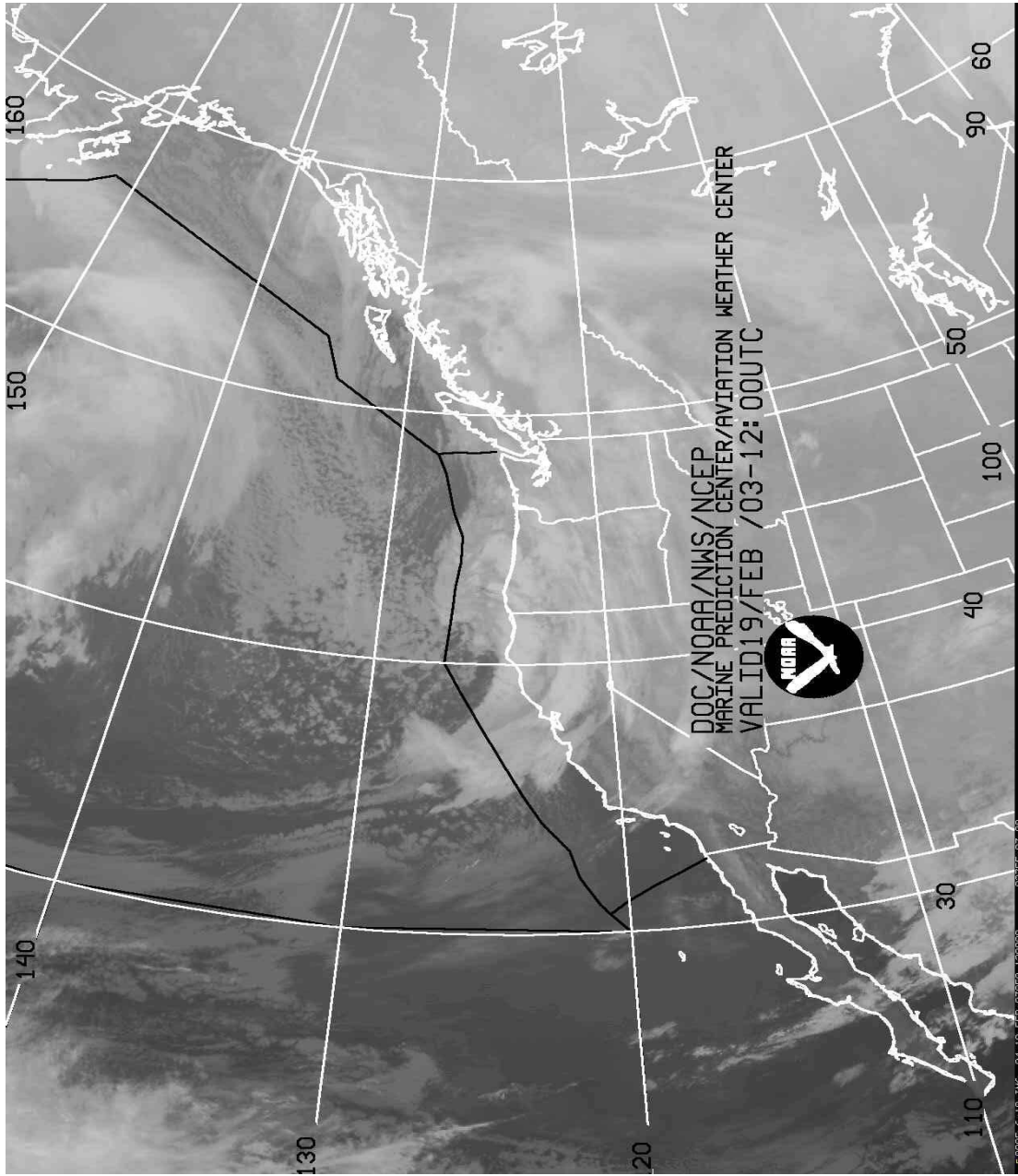
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Pacific SST Chart 23N-42N E of 136W

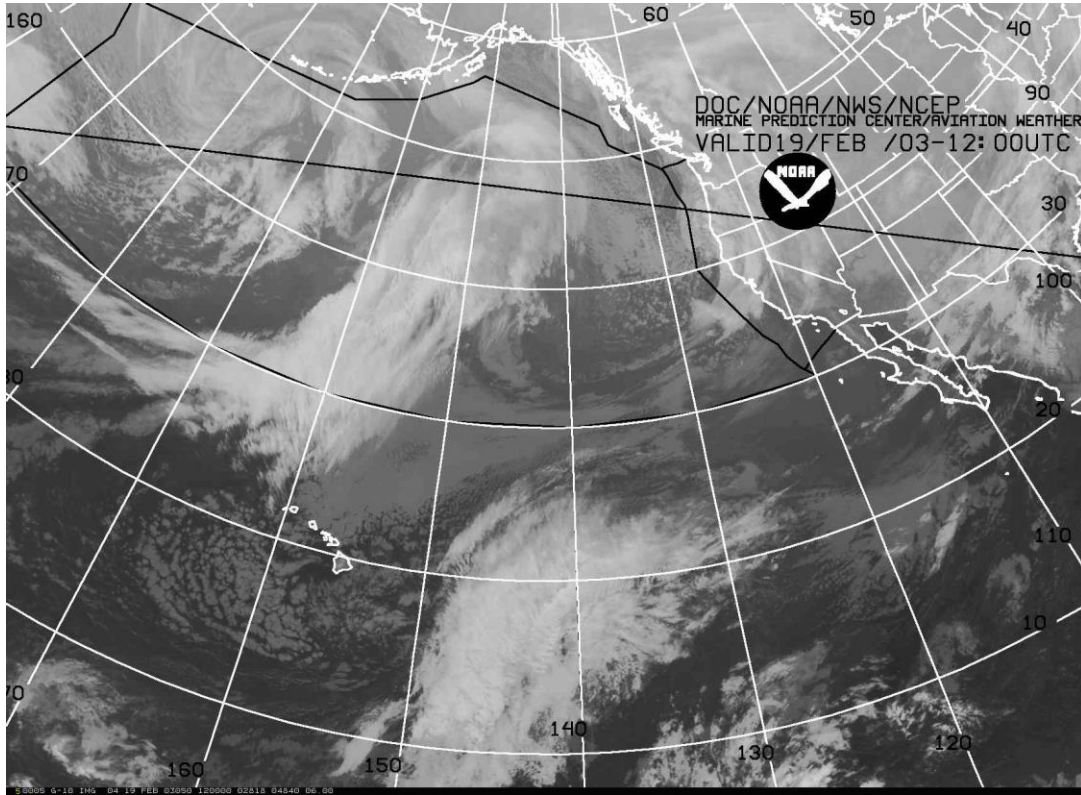
PTBA89.TIF





GOES IR Satellite Image North East Pacific

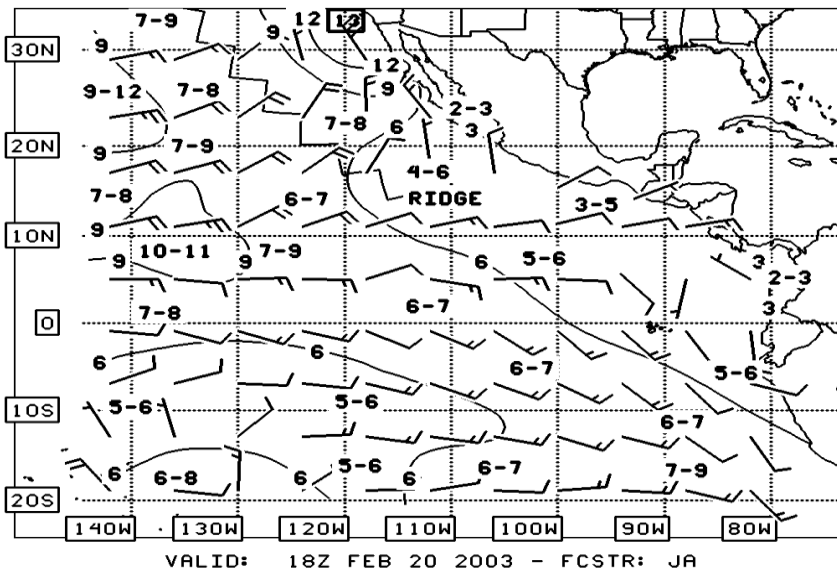
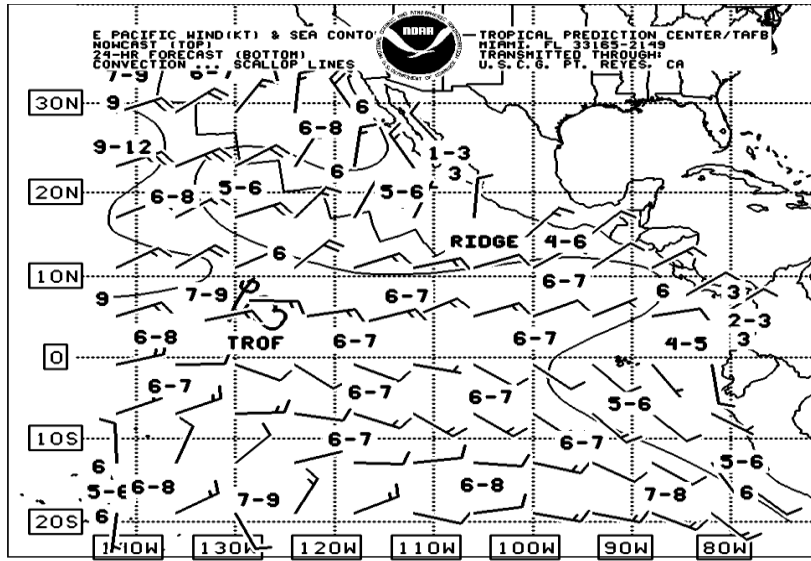
evpn99.jpg

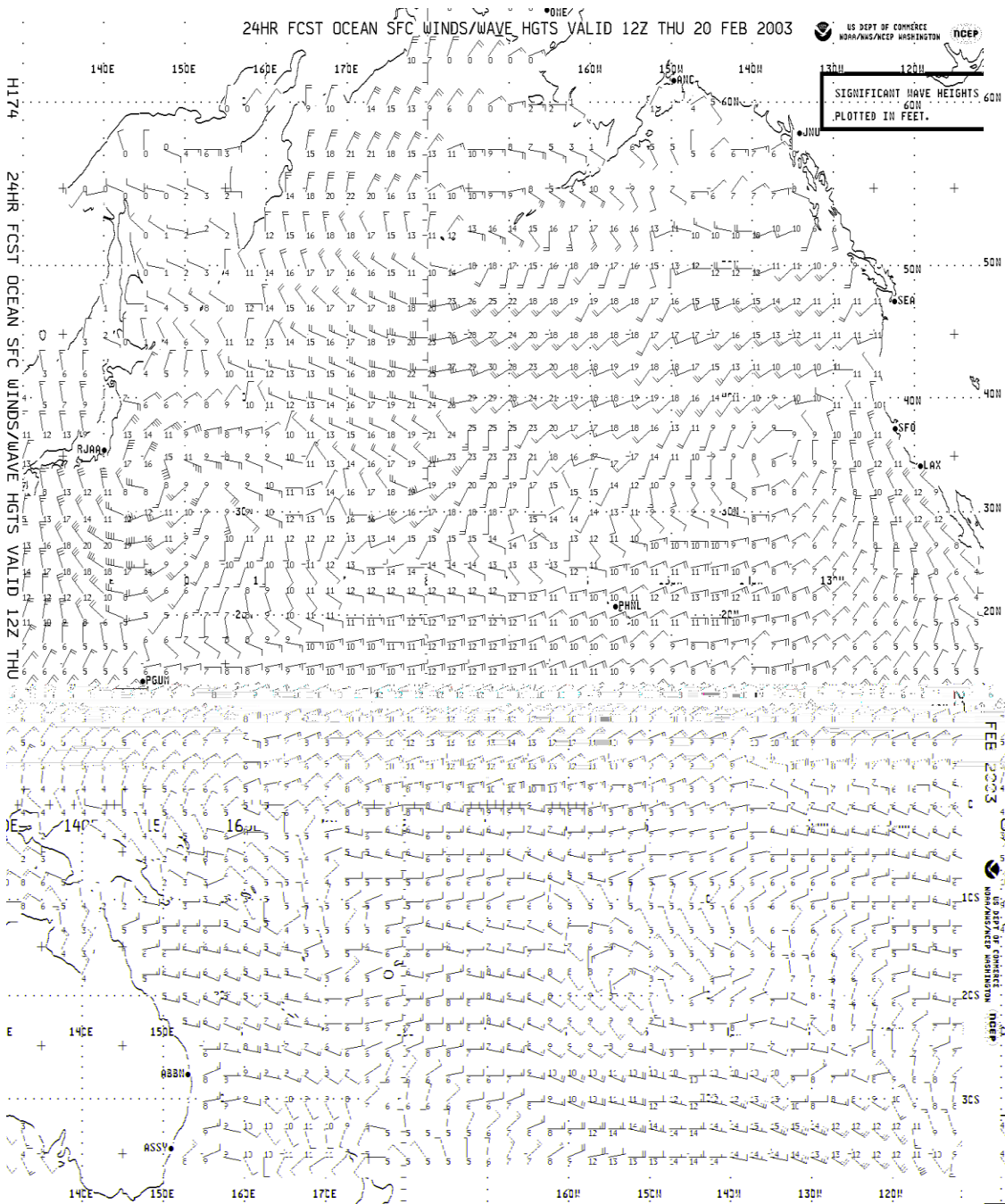


NATIONAL WEATHER SERVICE

CENTRAL PACIFIC OCEAN

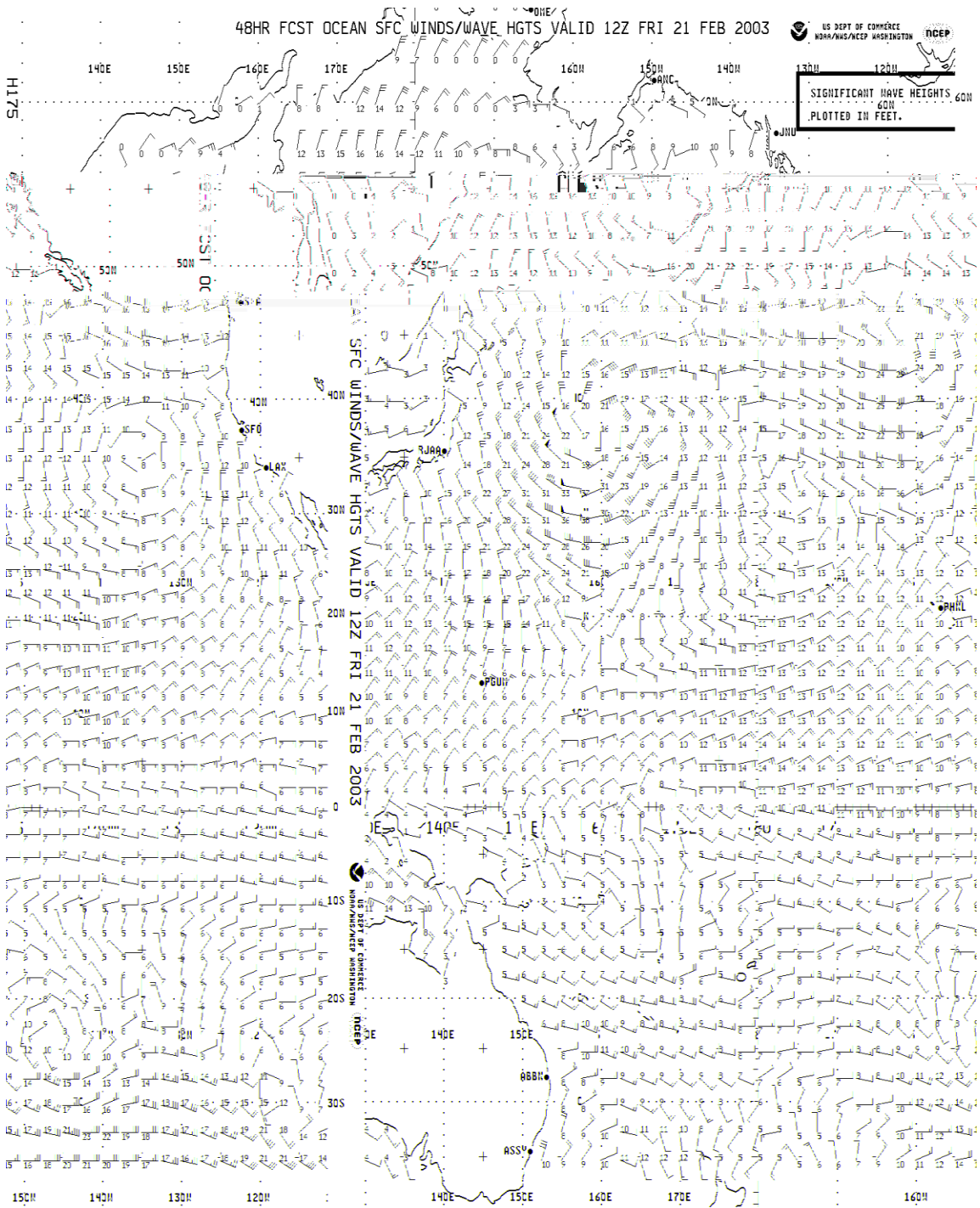
<u>Product/Chart</u>	<u>Chart ID</u>
WIND/SEAS CHARTS	
Analysis & 24HR Wind/Wave Forecast (2 Charts) 30N-20S 145W-80W	PJBA90.TIF
24HR Wind/Wave Forecast VT00Z 60N-35S 110W-130E	QWBI99.TIF
48HR Wind/Wave Forecast VT00Z 60N-35S 110W-130E	QWBQ99.TIF
48HR Tropical Wind/Wave Forecast VT00Z 30N-20S 145W-80W	PWFI88.TIF
48HR Tropical Wave Period/Swell Dir VT12Z 30N-20S 145W-80W	PJFI88.TIF
48 & 72HR Tropical Wave Period/Swell Dir VT00Z 30N-20S 145W-80W	PJFK88.TIF
48 & 72HR Tropical Wind/Wave Forecast VT12Z 30N-20S 145W-80W	PWFI89.TIF
SURFACE CHARTS	
Surface Analysis (Part 1) 20N-70W 115W-175W	PYBA90.TIF
Surface Analysis (Part 2) 20N-70W 175W-135E	PYBA91.TIF
48HR Surface Forecast 20N-70W 115W-135E	PWBI10.TIF
96HR Surface Forecast VT00Z 20N-70W 115W-135E	PWBM99.TIF
TROPICAL SURFACE CHARTS	
Tropical Surface Analysis	QYFA99.TIF
24HR Wind/Stream Forecast VT00Z 50N-30S 100W-120E	QWFI99.TIF
48HR Wind/Stream Forecast VT00Z 50N-30S 100W-120E	QWFO99.TIF
48HR Surface Forecast 60N-55S 55W-70E	QDEQ99.TIF
24HR Tropical Surface Forecast 20S-30N 80W-145W	PYFE10.TIF
48HR Tropical Surface Forecast 20S-30N 80W-145W	PYFI10.TIF
72HR Tropical Surface Forecast 20S-30N 80W-145W	PYFK10.TIF
72HR Tropical Cyclone Danger Area 0N-40N 80W-180W (Most Current)	PWFK11.TIF
 Note: Tropical Cyclone Danger Area chart replaced by High Wind/Wave Warning chart Dec 01 - May 14	
SATELLITE IMAGERY	
Eastern Pacific Satellite Image (Most Current)	evpn99.jpg
SCHEDULE INFORMATION	
Radiofax Schedule (DOS Text Version)	hfhi.txt





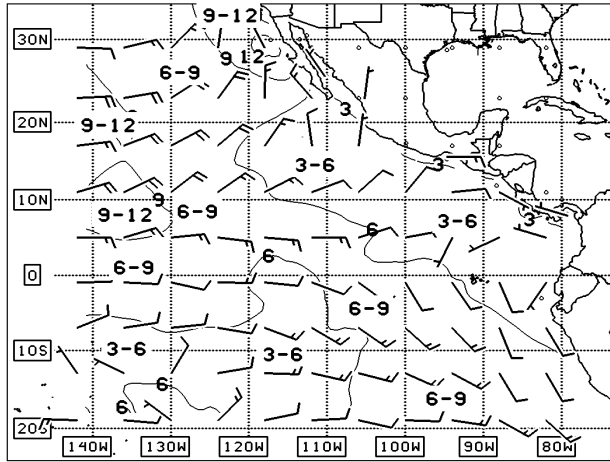
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48HR Tropical Wind/Wave Forecast VT00Z 30N-20S 145W-80W

PWFI88.TIF



VALID: 00Z FEB 21 2003 - FCSTR: FT

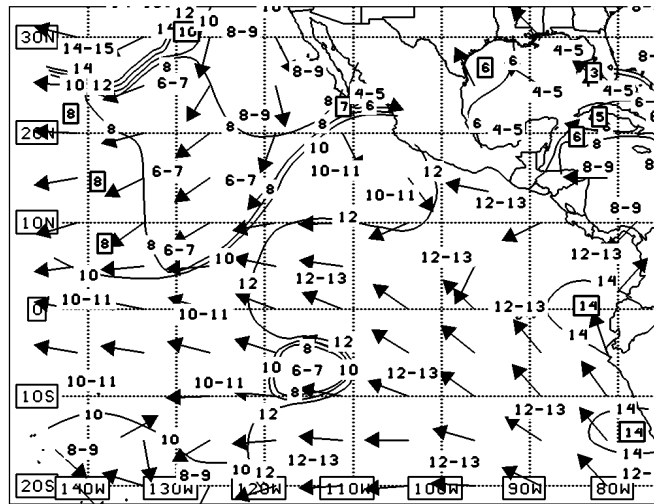
E PACIFIC WIND (KT) & SEA CONTOURS (FT)
48-HR FORECAST
CONVECTION ... SCALLOP LINES



TROPICAL PREDICTION CENTER/TAFB
MIAMI, FL 33165-2149
TRANSMITTED THROUGH:
U. S. C. G. PT. REYES, CA

48HR Tropical Wave Period/Swell Dir VT12Z 30N-20S 145W-80W

PJFI88.TIF

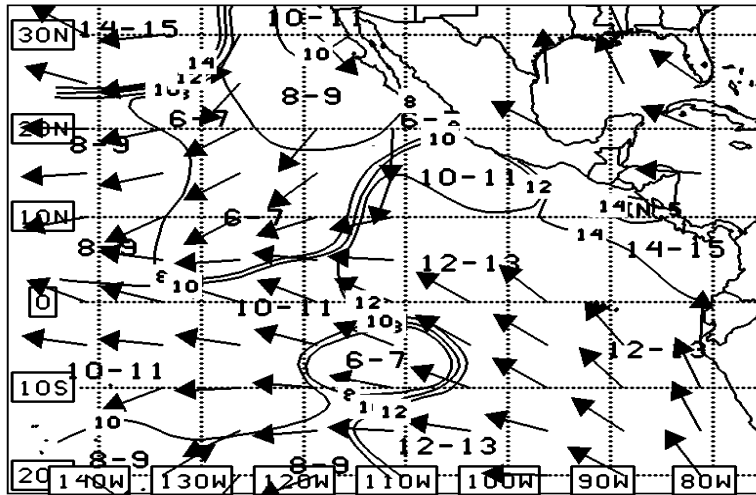


VALID: 12Z FEB 21 2003 - FCSTR: PAW

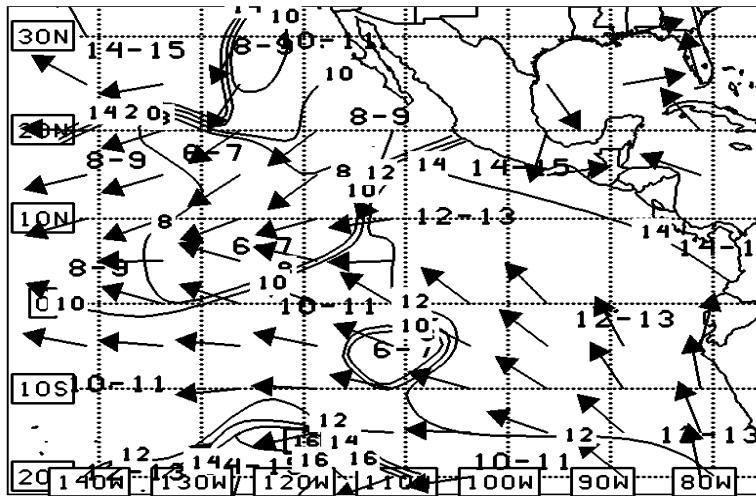
EAST PACIFIC
48-HOUR PEAK WAVE PD/SWELL DIRECTION
CONTOURS => PEAK WAVE PD EVERY 2 SEC
ARROW => PREVAILING SWELL DIRECTION



TROPICAL PREDICTION CENTER/TAFB
MIAMI, FL 33165-2149
TRANSMITTED THROUGH:
U. S. C. G. PT. REYES, CA



VALID: 00Z FEB 22 2003 - FCSTR: ESB

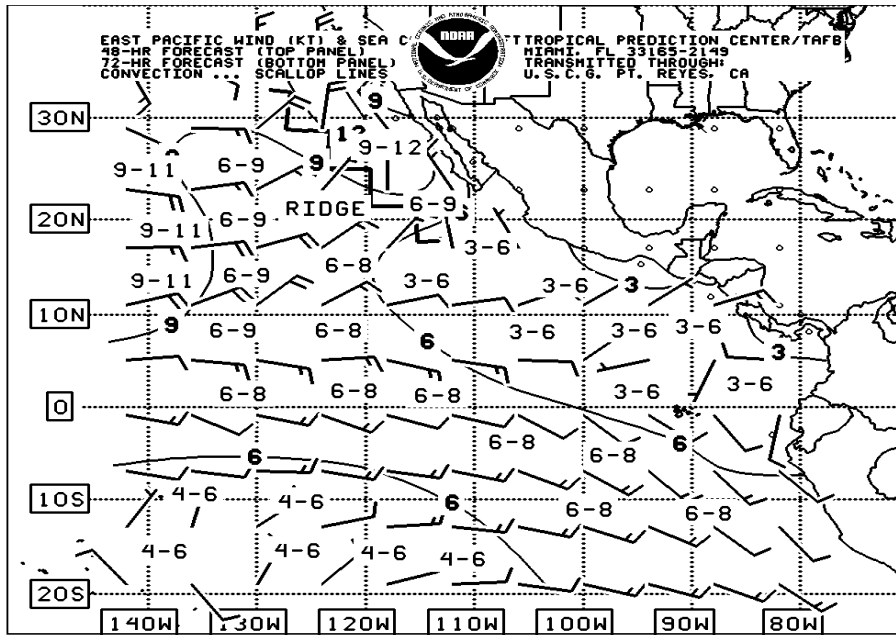


VALID: 00Z FEB 23 2003 - FCSTR: ESB

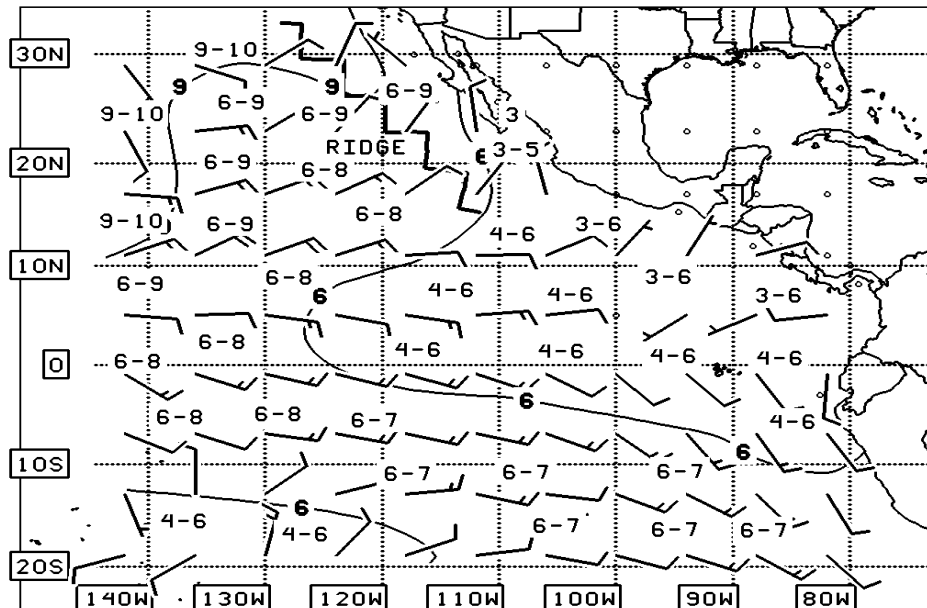
EAST PACIFIC
48/72-HR PEAK WAVE PD/SWELL DIRE
CONTOURS => PEAK WAVE PD EVERY 2
ARROW => PREVAILING SWELL DIRECTION



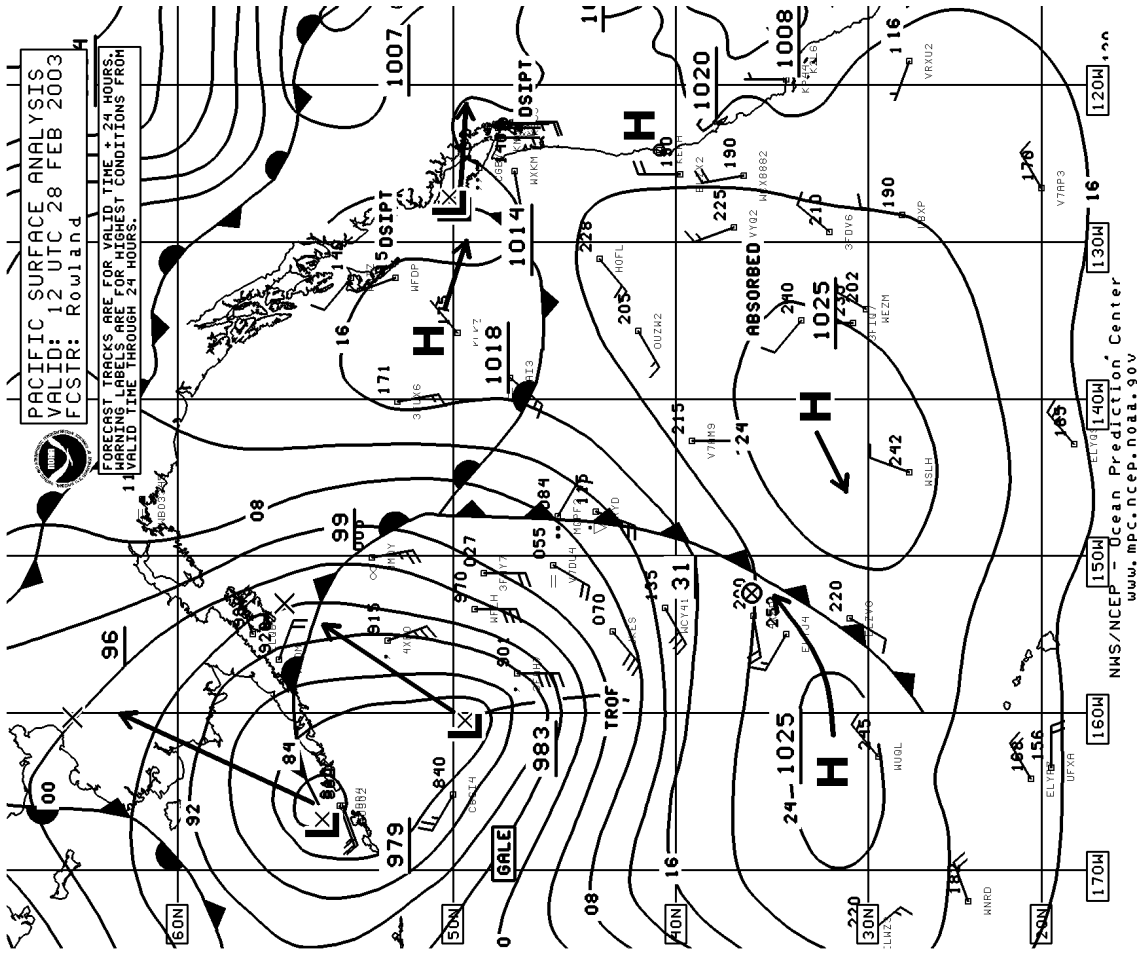
NATIONAL WEATHER SERVICE
NATIONAL OCEANOGRAPHIC CENTER/TAFB
MIAMI, FL 33155-2149
TRANSMITTED THROUGH:
U.S.C.G. PT. REYES, CA

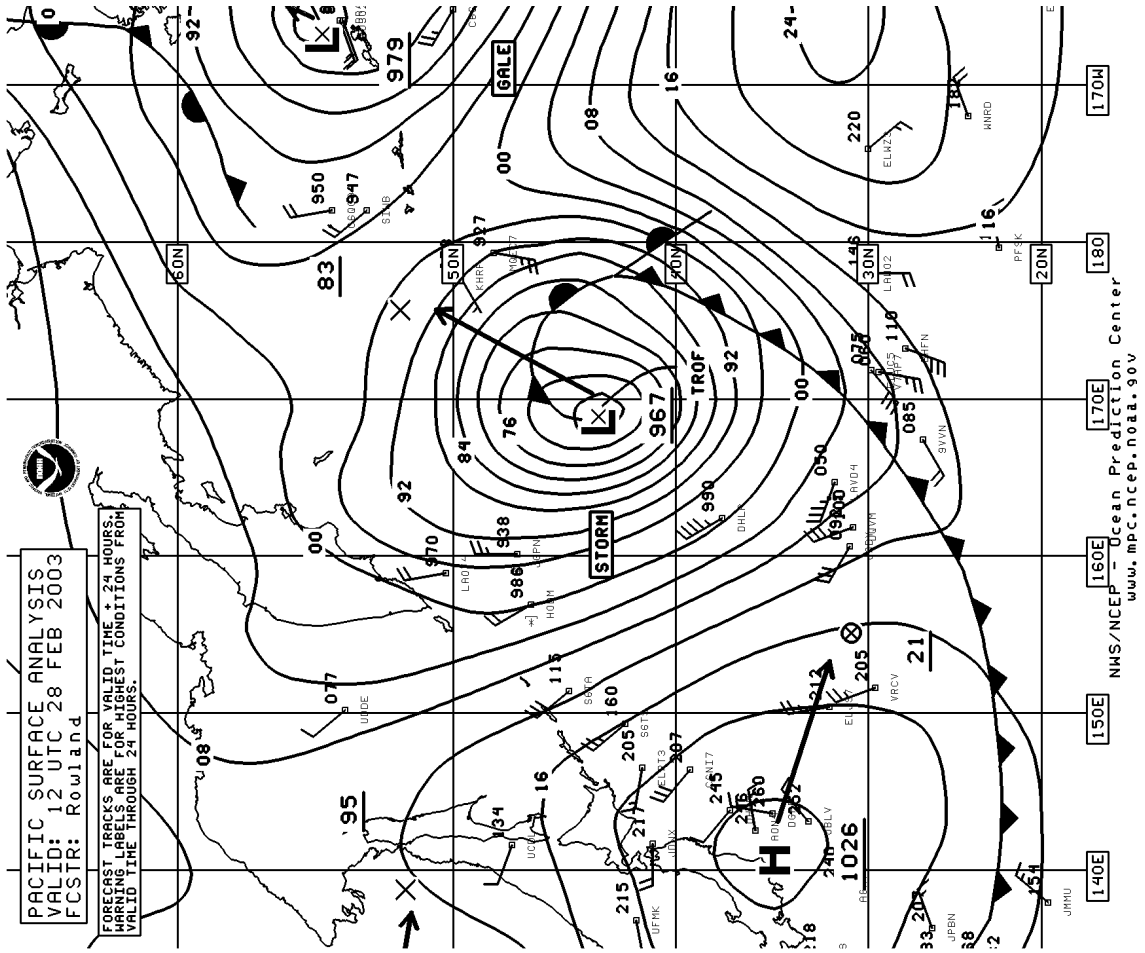


VALID: 12Z FEB 21 2003 - FCSTR: HDC



VALID: 12Z FEB 22 2003 - FCSTR: HDC



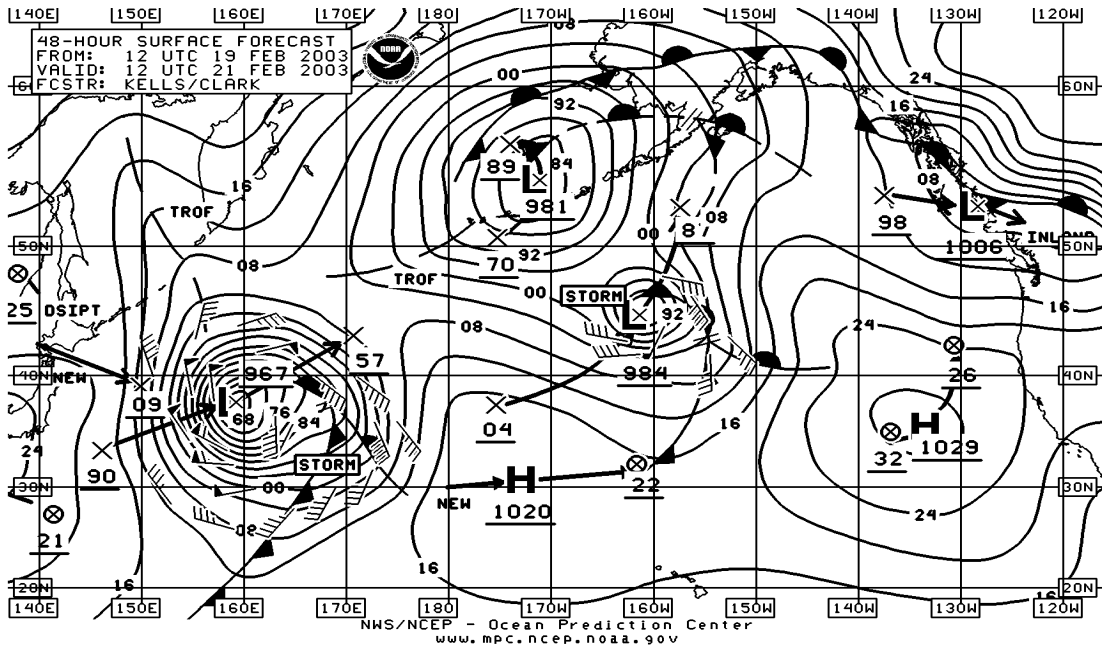


150E 160E 170E 180E 170N 180N

NWS/NCEP - Ocean Prediction Center
www.mpc.ncep.noaa.gov

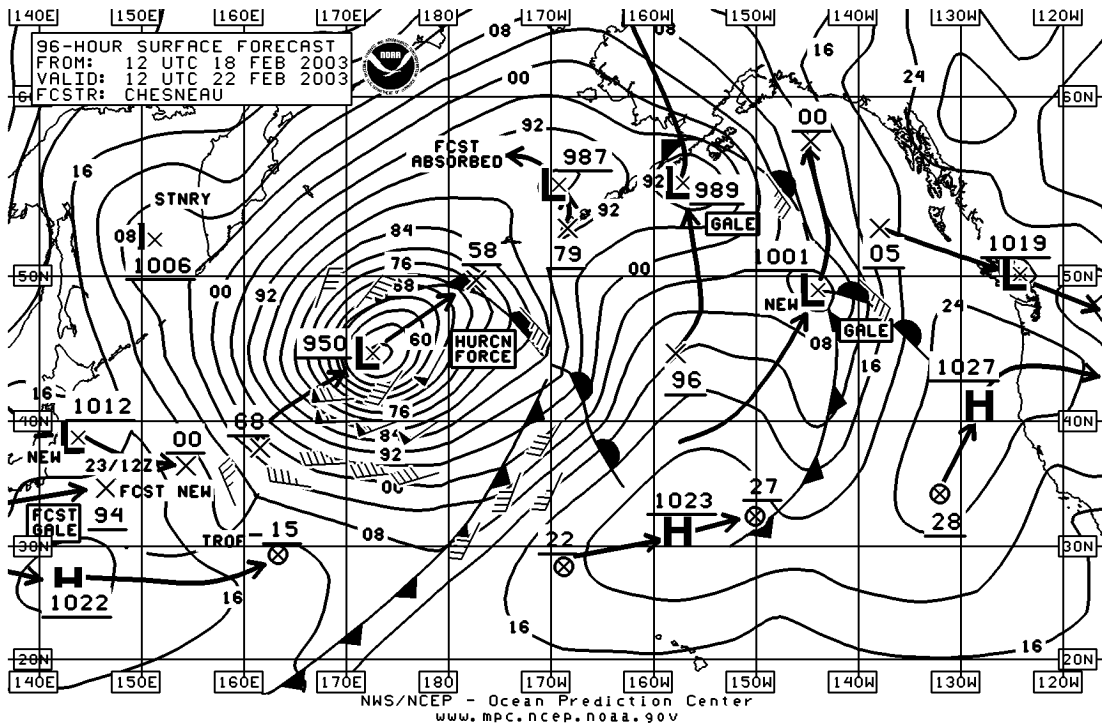
48HR Surface Forecast 20N-70W 115W-135E

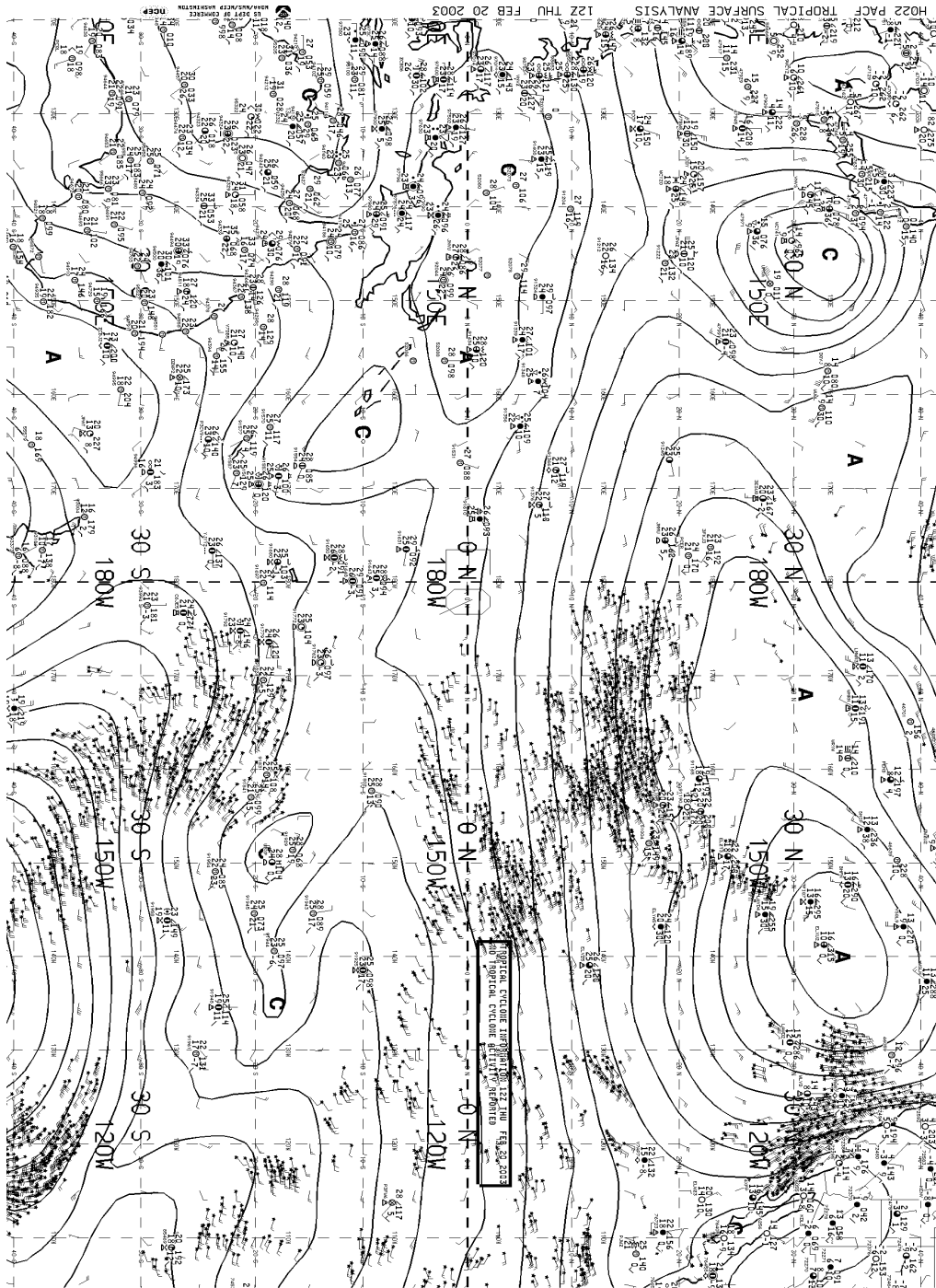
PWB110.TIF



96HR Surface Forecast VT00Z 20N-70W 115W-135E

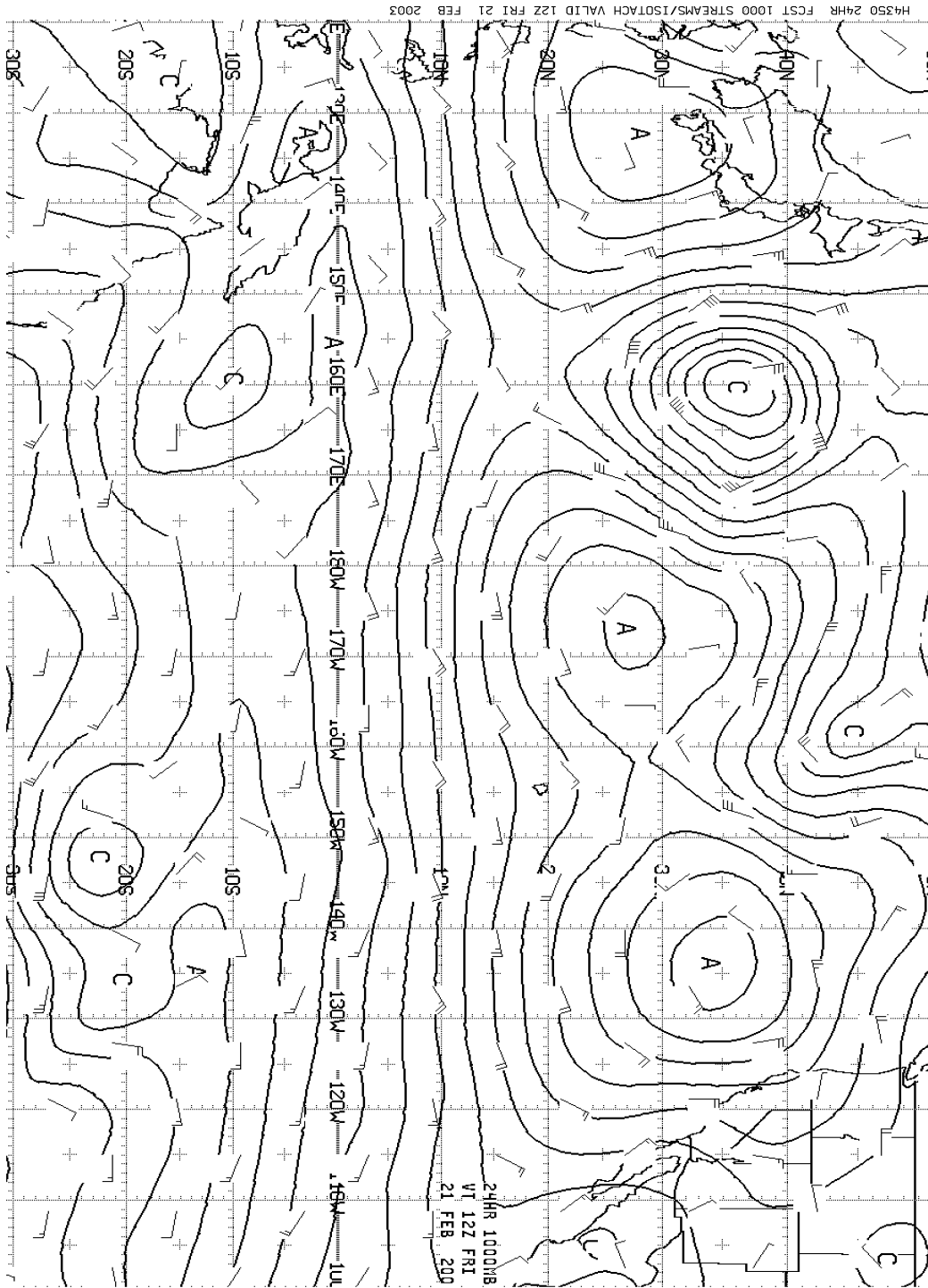
PWBM99.TIF



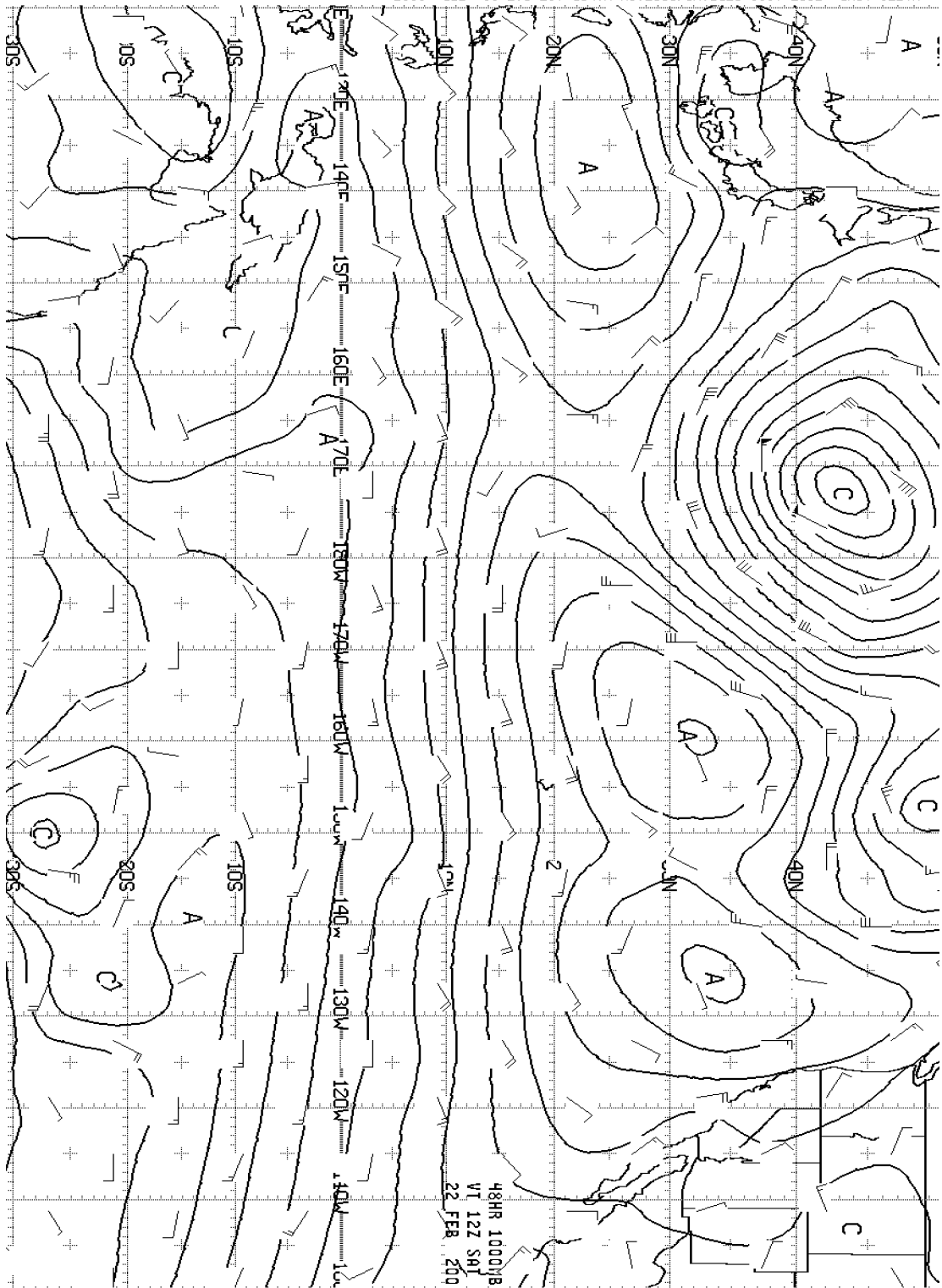


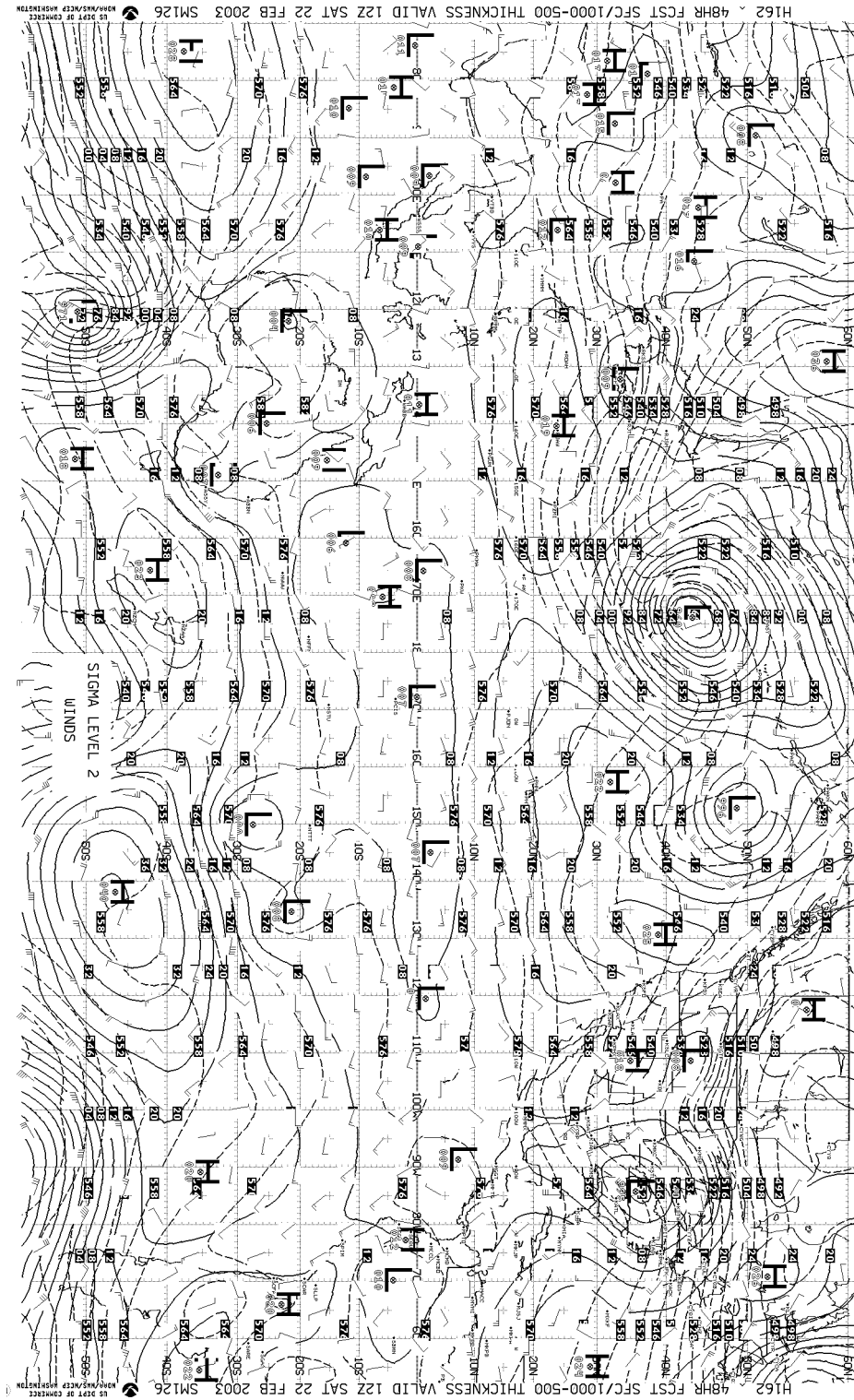
24HR Wind/Stream Forecast VT00Z 50N-30S 100W-120E

QWFI99.TIF

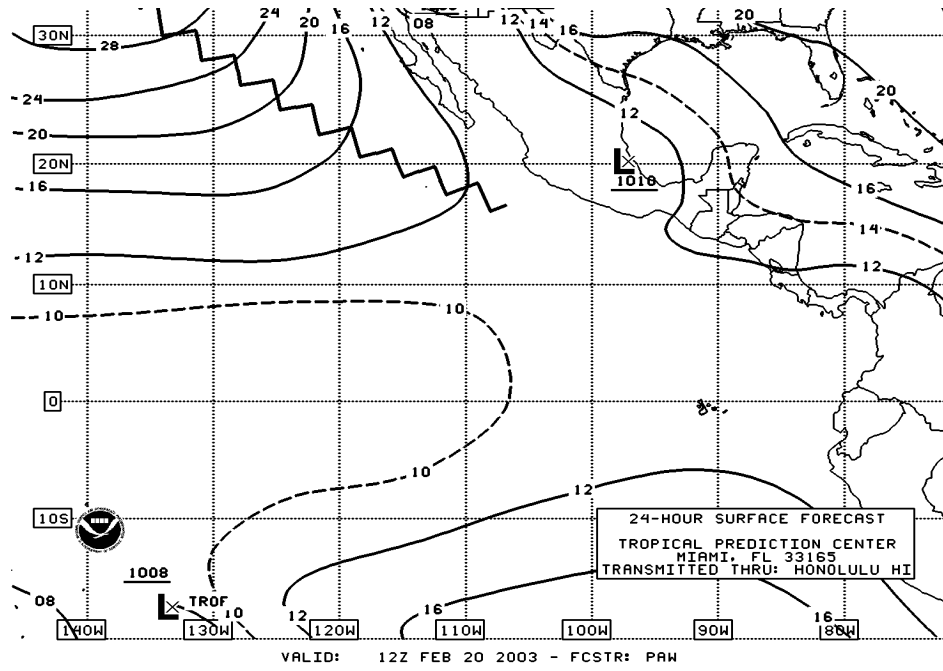


H4352 48HR FCST 1000 STREAMS/ISOTACH VALID 12Z SAT 22 FEB 2003

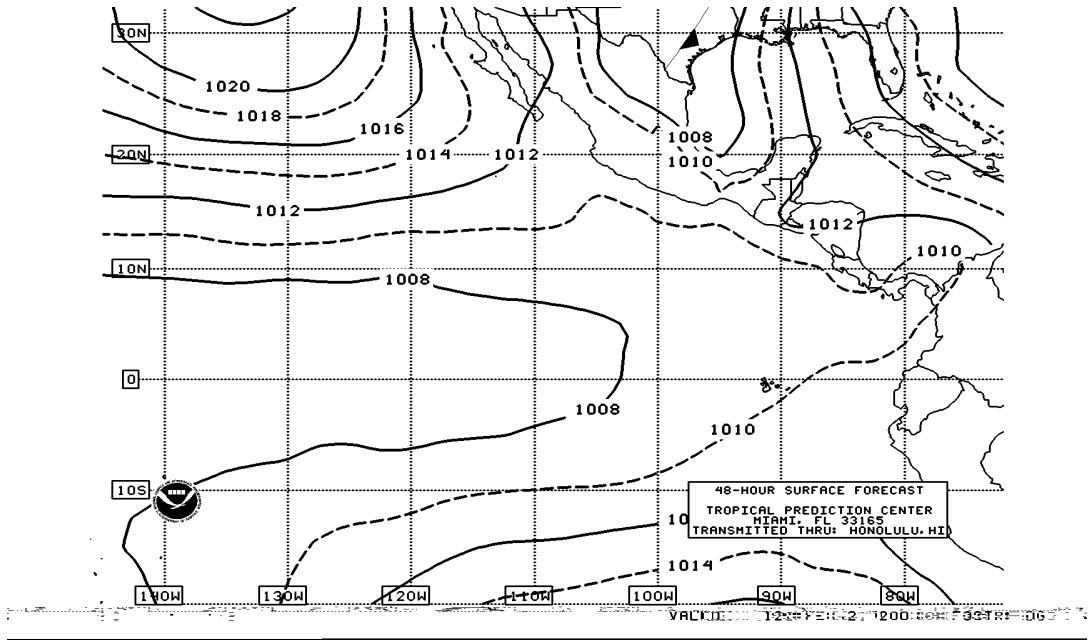




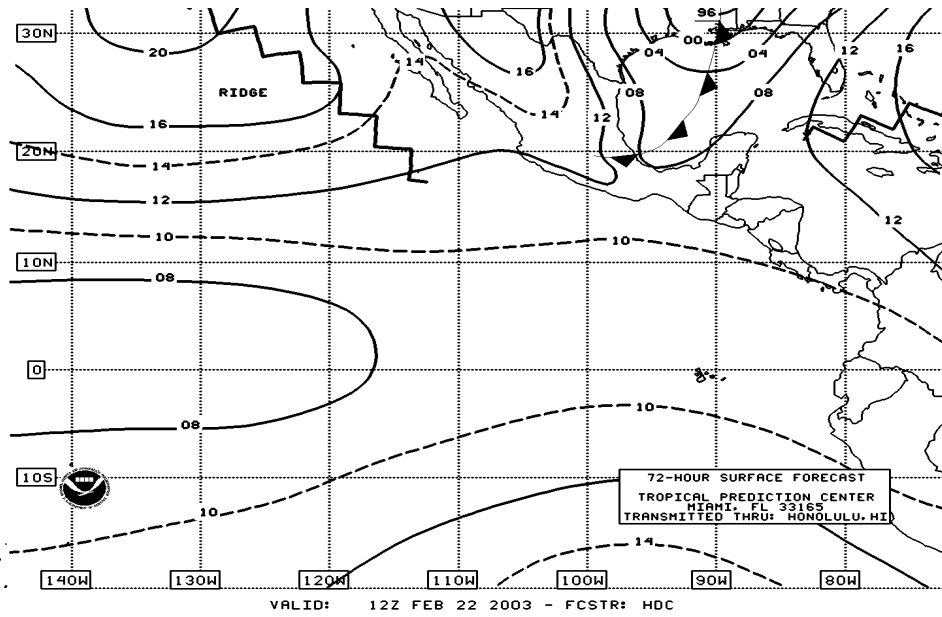
24HR Tropical Surface Forecast (W Half) 20S-30N 80W-145W PYFE10.TIF



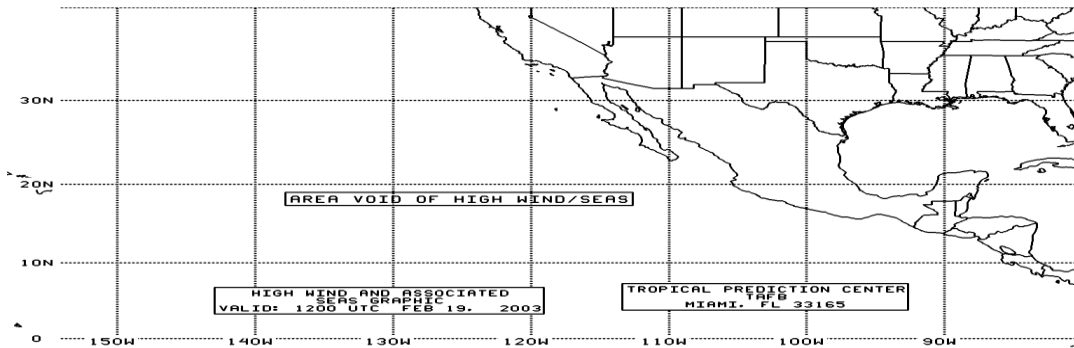
48HR Tropical Surface Forecast (W Half) 20S-30N 80W-145W PYFI10.TIF



72HR Tropical Surface Forecast (W Half) 20S-30N 80W-145W PYFK10.TIF



72HR Tropical Cyclone Danger Area 0N-40N 80W-180W PWFK11.TIF



Eastern Pacific Satellite Image (Most Current)

evpn99.jpg



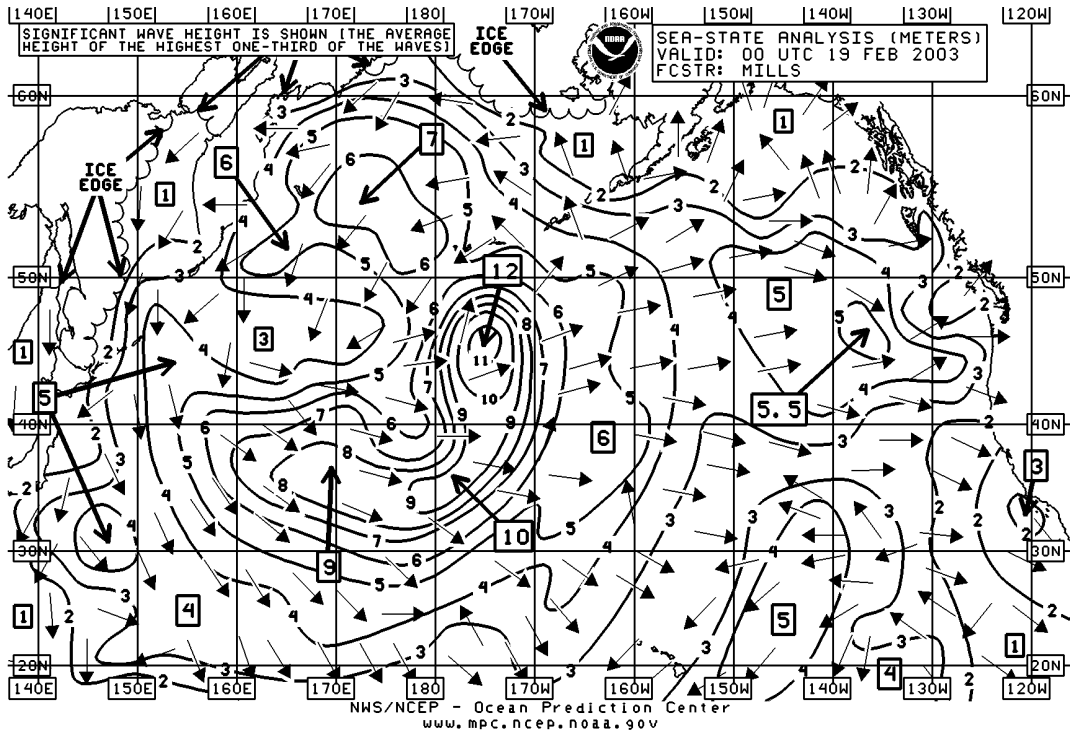
NATIONAL WEATHER SERVICE

Alaska & the North Pacific

Product/Chart	Chart ID
WIND/WAVE CHARTS	
00Z Sea State Analysis 20N-70N 115W-135E	PJBA99.TIF
24HR Wind Wave Forecast	PJBE10.TIF
48HR Wind Wave Forecast	PJBI10.TIF
48HR Wave Period/Swell Dir	PJBI20.TIF
96HR Wind/Wave Forecast VT12Z 20N-70N 115W-135E	PJBM98.TIF
96HR Wave Period/Swell Dir VT12Z 20N-70N 115W-135E	PJBM88.TIF
SURFACE CHARTS	
Surface Analysis	PYCA10.TIF
24HR Surface Chart Forecast	PYBE10.TIF
48HR Surface Chart Forecast	PWBI10.TIF
96HR Surface Chart Forecast VT12Z	PWBM99.TIF
UPPER AIR CHARTS	
500 MB Analysis	PPBA10.TIF
24HR 500 MB Forecast	PPBE11.TIF
48HR 500 MB Forecast	PPBI10.TIF
96HR 500 MB VT12Z 20N-70N 115W-135E	PPBM50.TIF
SEA SURFACE TEMPERATURES	
Sea Surface Temperature Analysis 40N-60N 125W-160E	PTCA88.TIF
SATELLITE IMAGERY	
GOES IR Satellite Image Pacific	evpn99.jpg
ICE CHARTS	
Sea Ice Analysis	PTCA89.TIF
5 Day Sea Ice Forecast	PTCO89.TIF
Cook Inlet Sea Ice Analysis	PTCA87.TIF
OTHER PRODUCTS	
AK Coastal Forecast Tables	PLBZ00.TIF
SCHEDULE INFORMATION and MISCELLANEOUS	
Radiofax Schedule Kodiak, AK	PLBZ05.TIF
Radiofacsimile Symbols and Contractions	PLBZ06.TIF

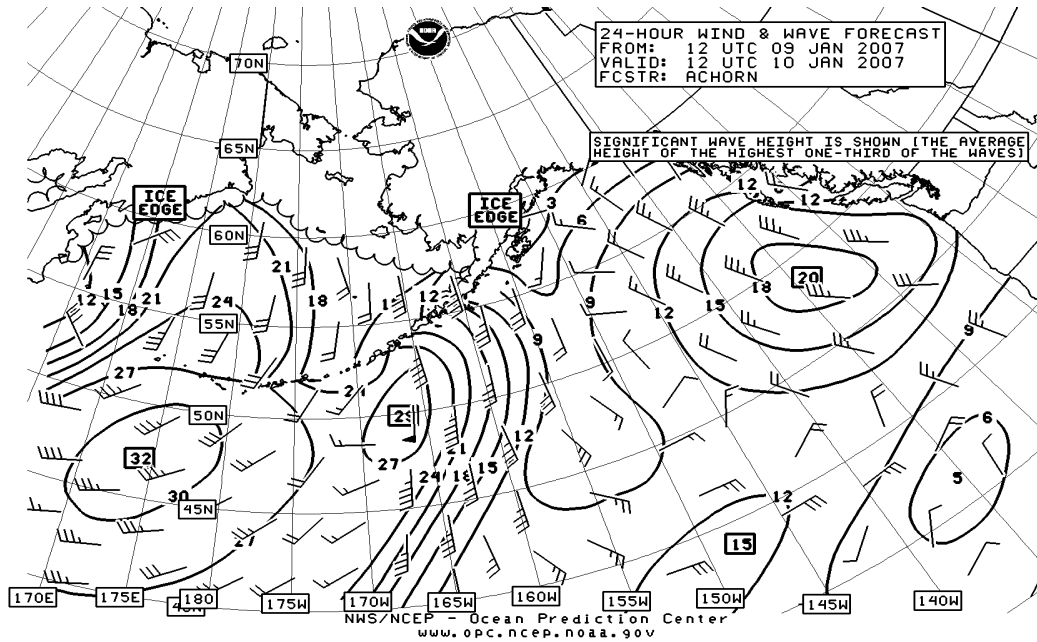
00Z Sea State Analysis 20N-70N 115W-135E

PJBA99.TIF



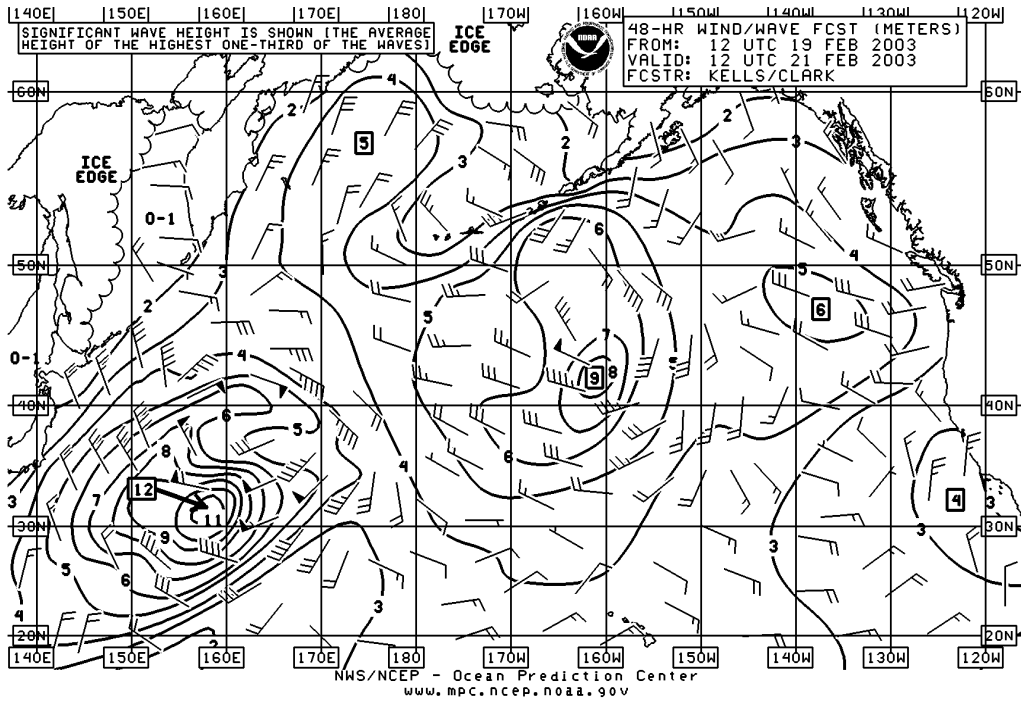
24HR Wind Wave Forecast

PJBE10.TIF



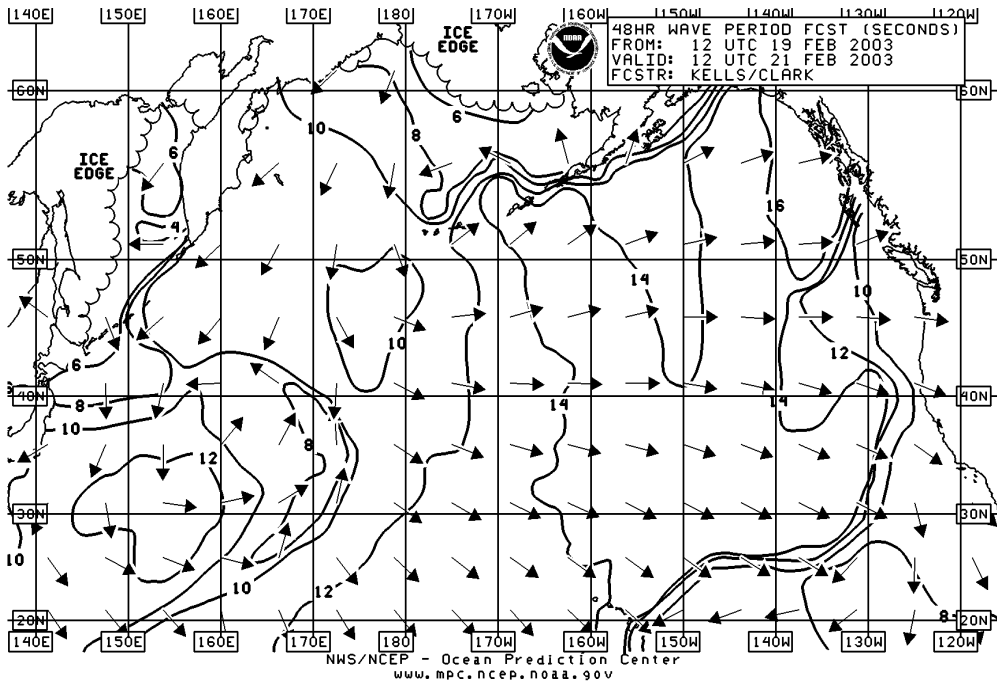
48HR Wind Wave Forecast 20N-70N 115W-135E

PJBI10.TIF



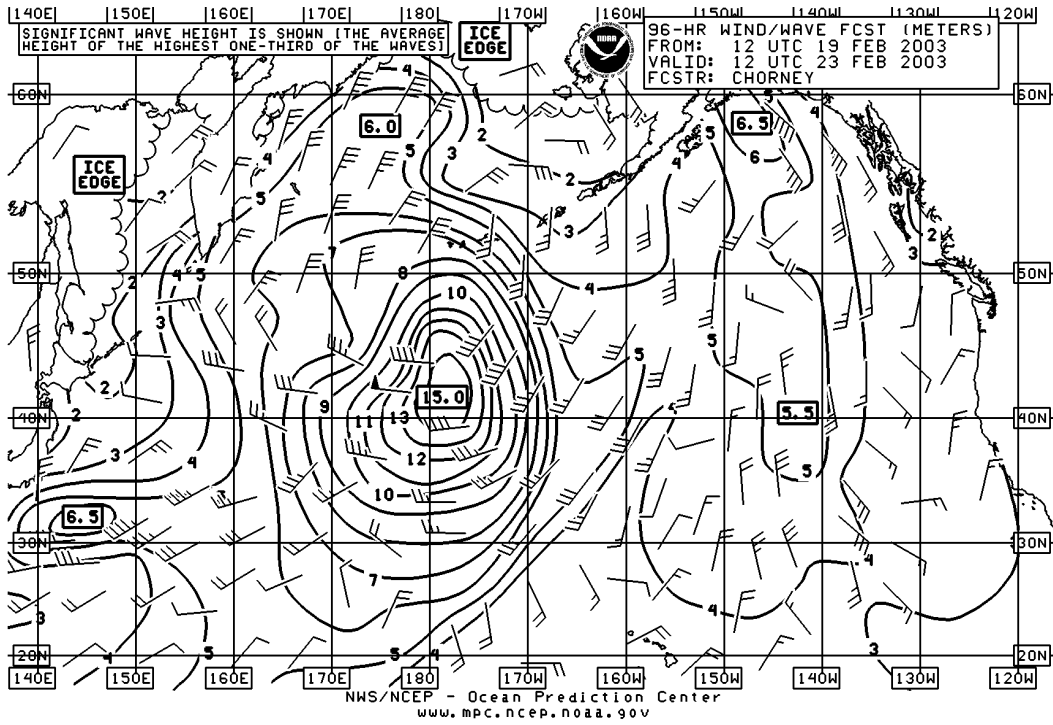
48HR Wave Period/Swell Direction 20N-70N 115W-135E

PJBI20.TIF



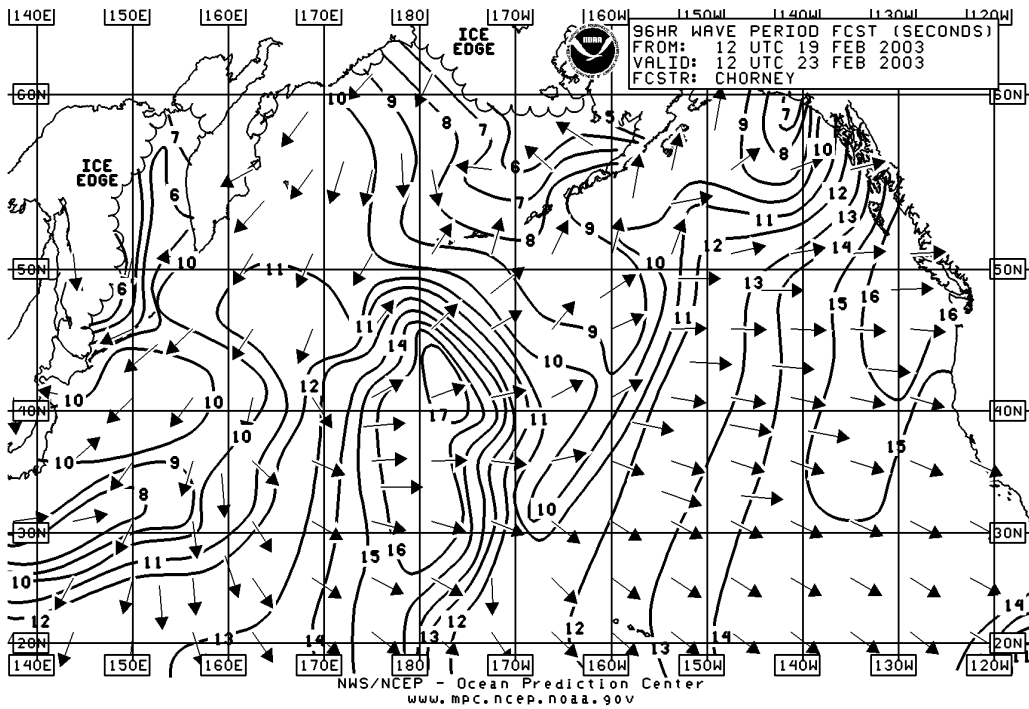
96HR Wind/Wave Forecast VT12Z 20N-70N 115W-135E

PJBM98.TIF



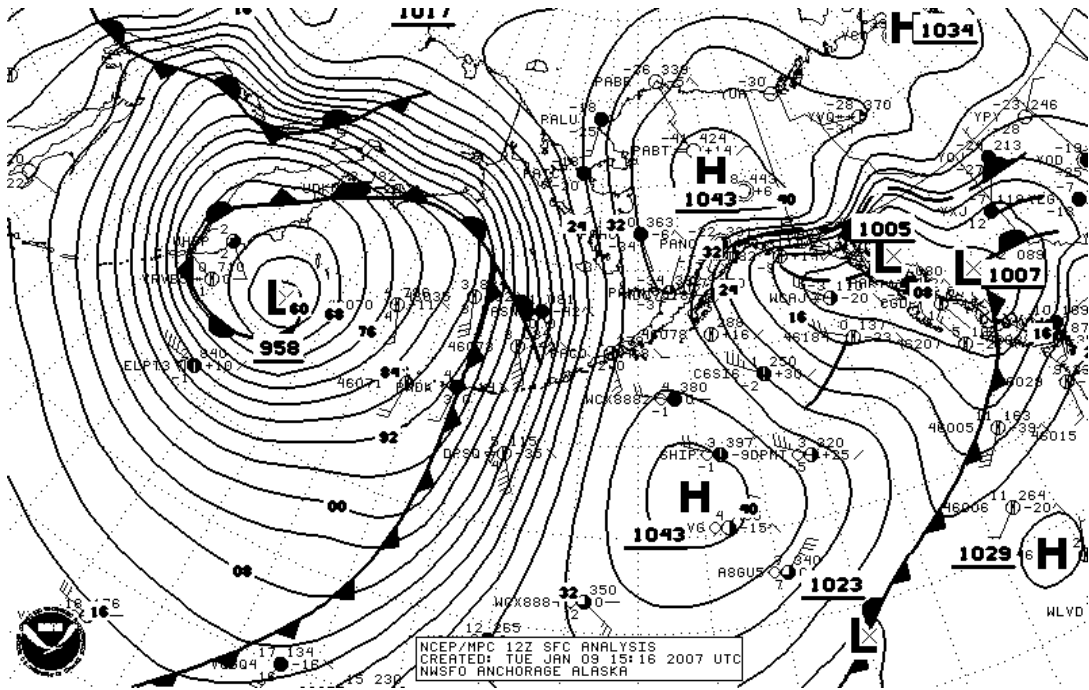
96HR Wave Period/Swell Dir VT12Z 20N-70N 115W-135E

PJBM88.TIF



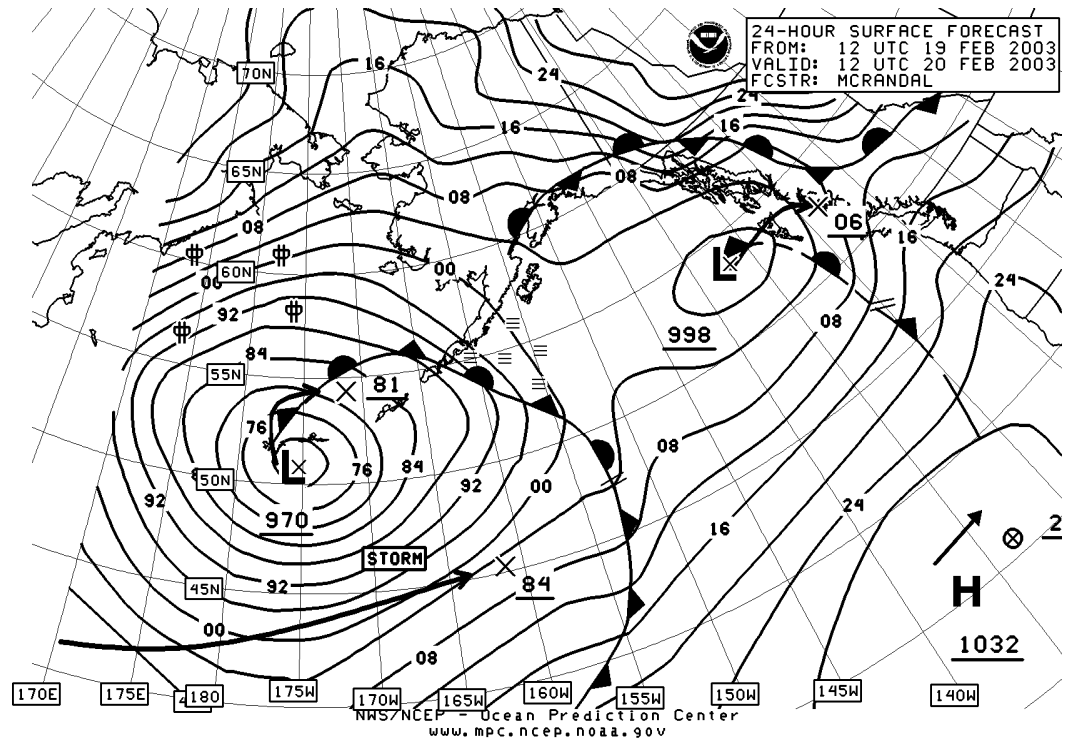
Surface Analysis

PYCA10.TIF



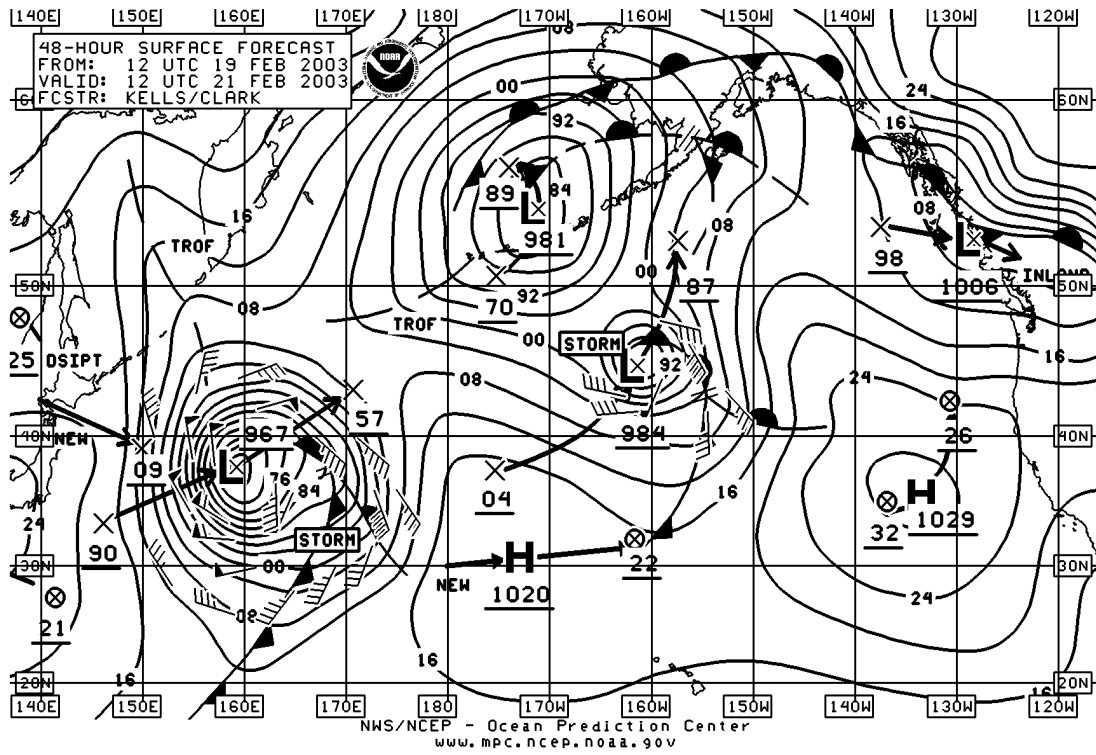
24HR Surface Forecast 40N-70N 115W-170E

PYBE10.TIF



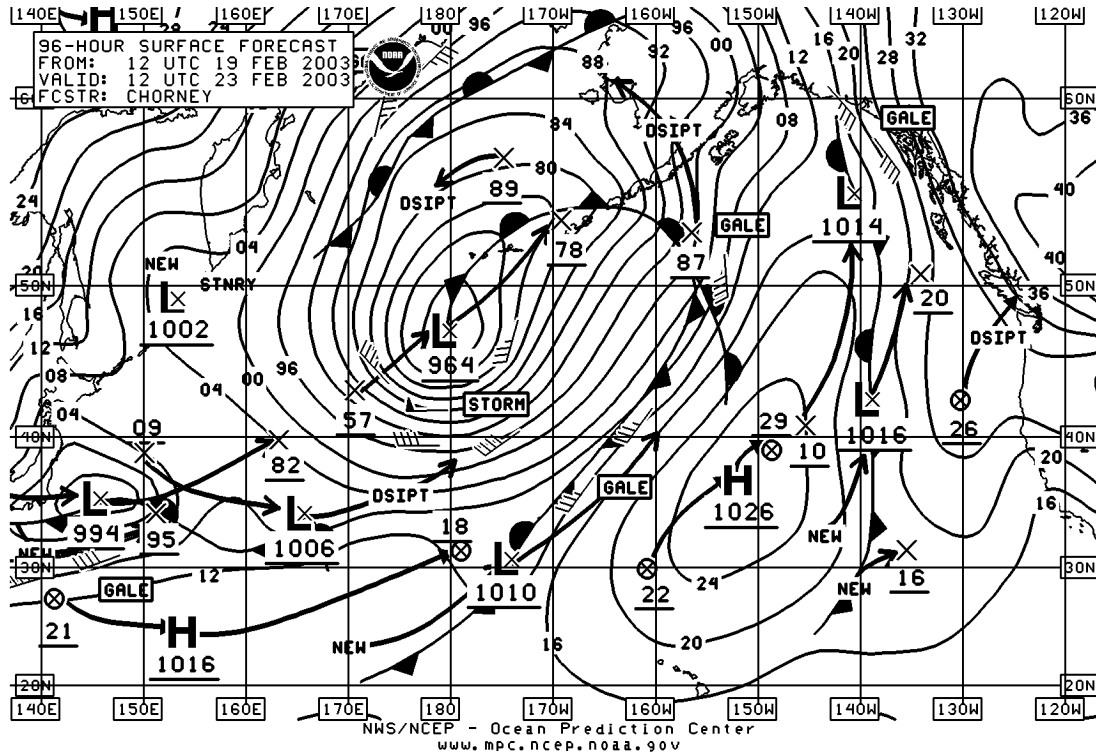
48HR Surface Forecast 20N-70N 115W-135E

PWBI10.TIF



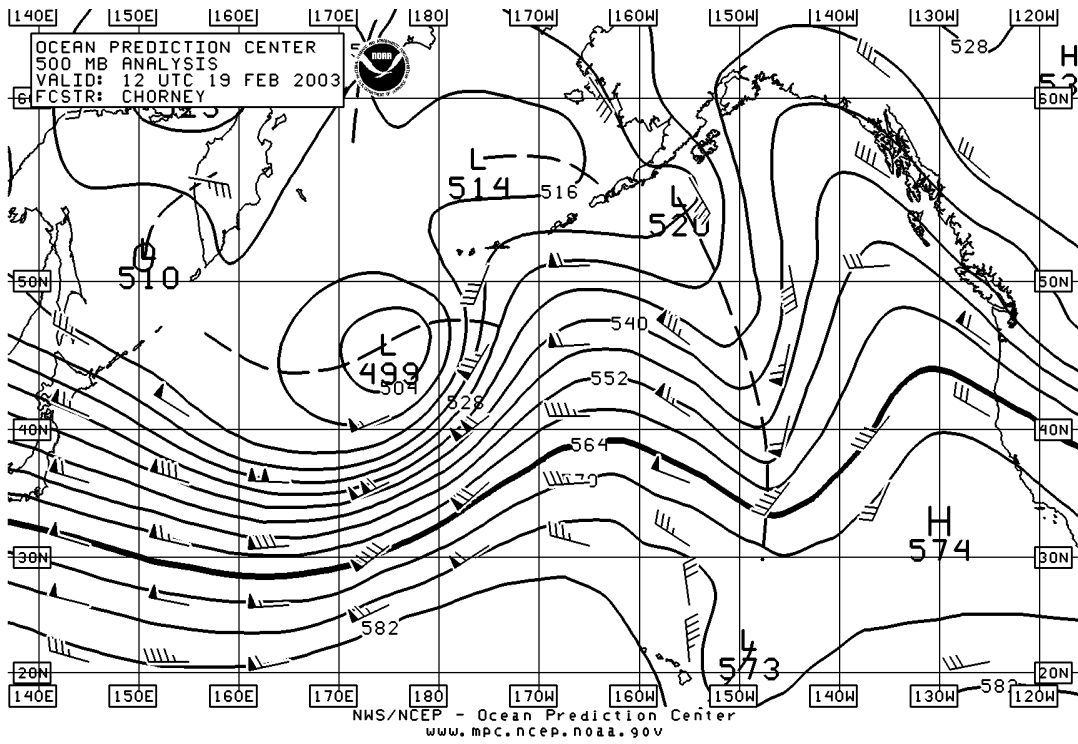
96HR Surface Forecast VT12Z 40N-70N 115W-170E

PWBM99.TIF



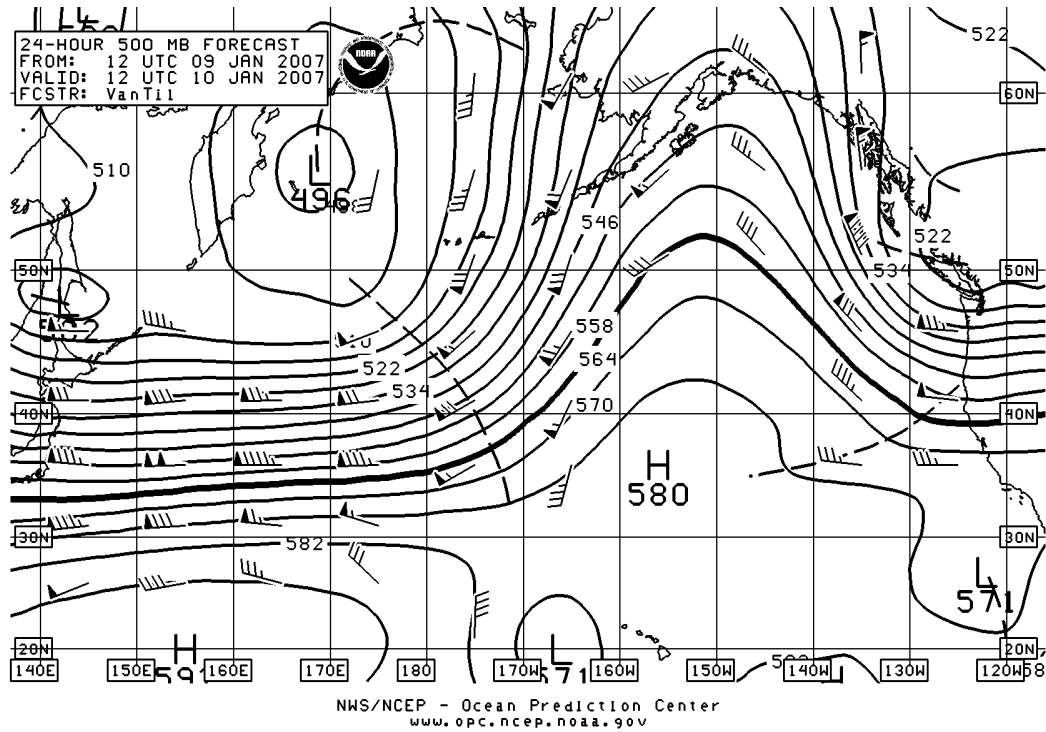
500MB Analysis 20N-70N 115W-135E

PPBA10.TIF



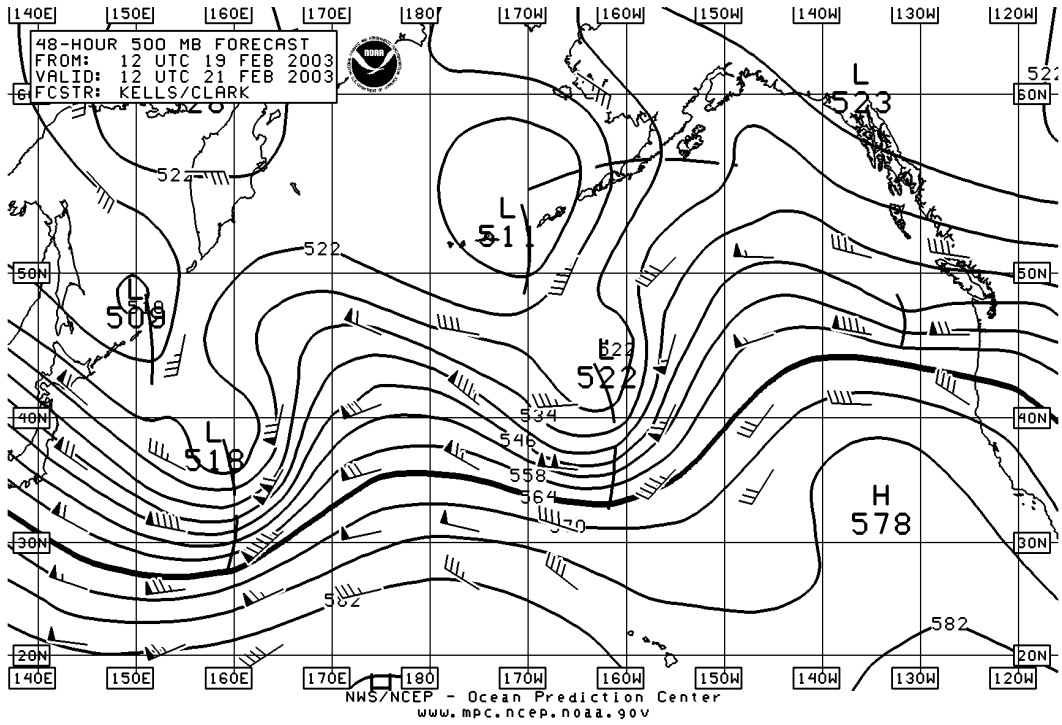
24HR 500 MB Forecast

PPBE11.TIF



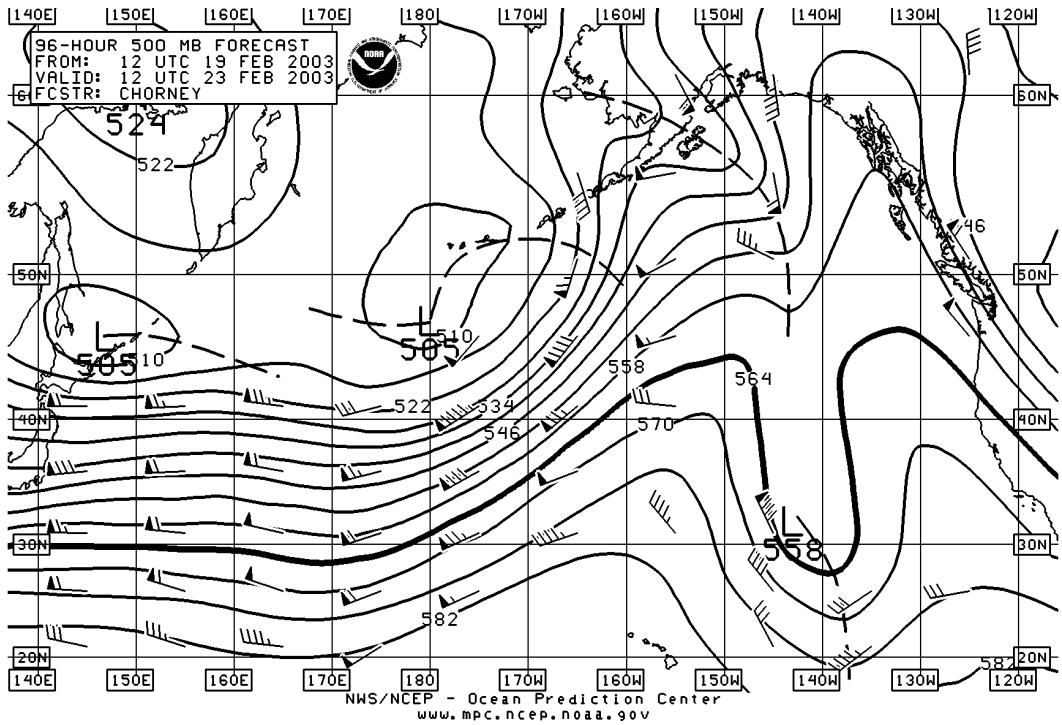
48HR 500MB Forecast 20N-70N 115W-135E

PPBI10.TIF



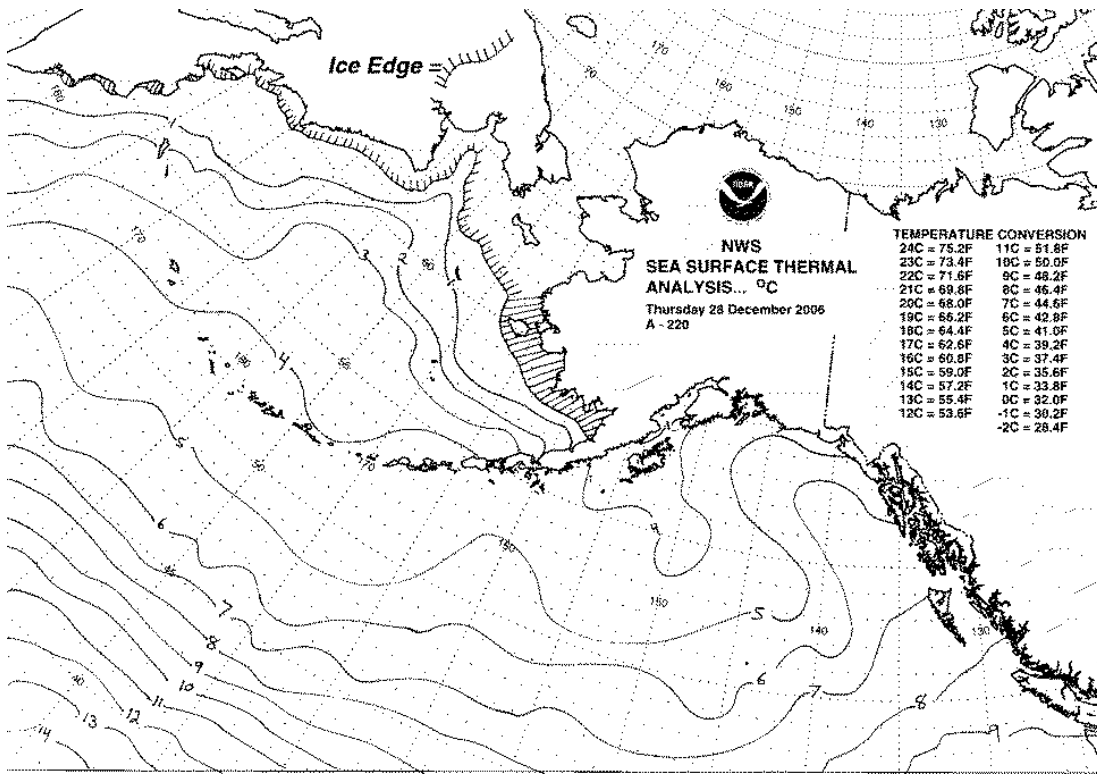
96HR 500MB Forecast VT12Z 20N-70N 115W-135E

PPBM50.TIF



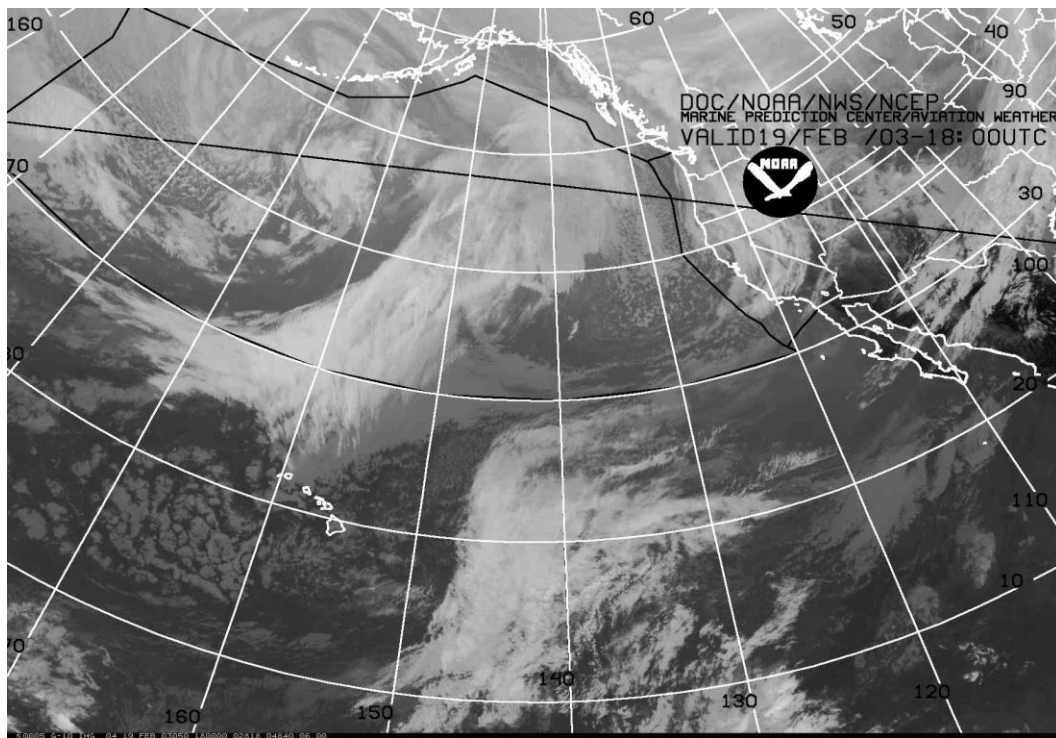
Sea Surface Temperature Analysis 40N-60N 125W - 160E

PTCA88.TIF



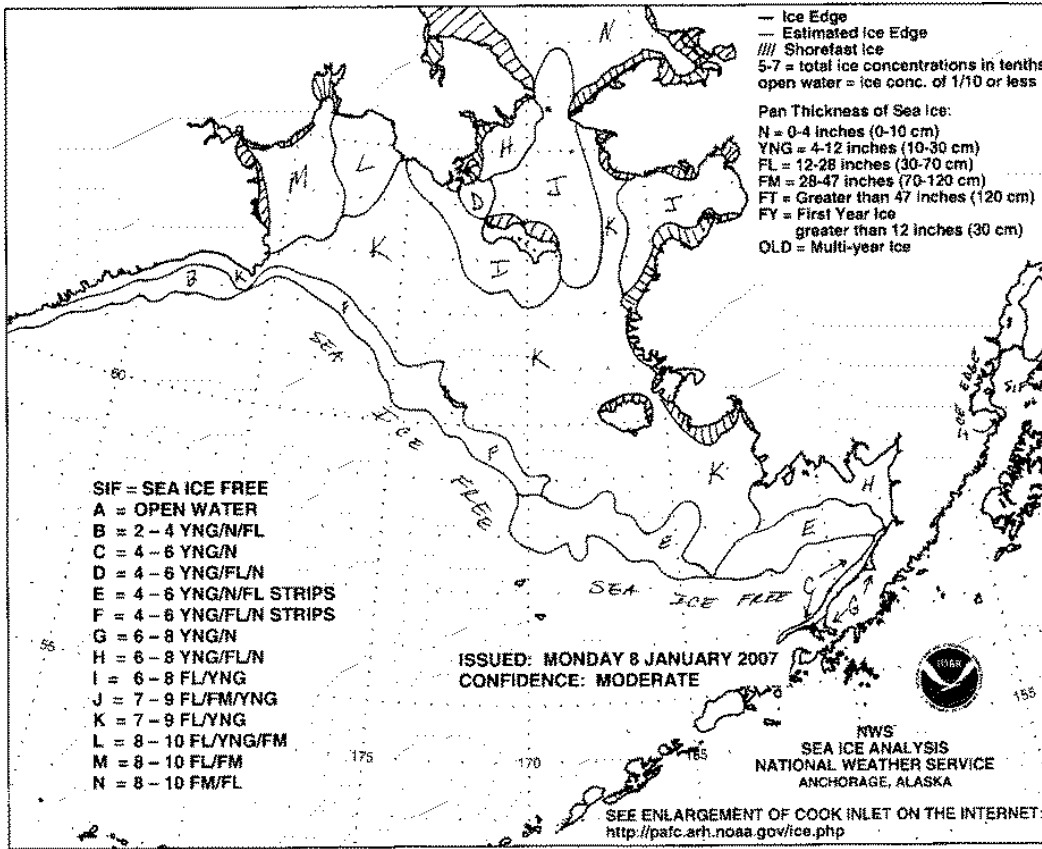
GOES IR Satellite Image Pacific

evpn99.jpg



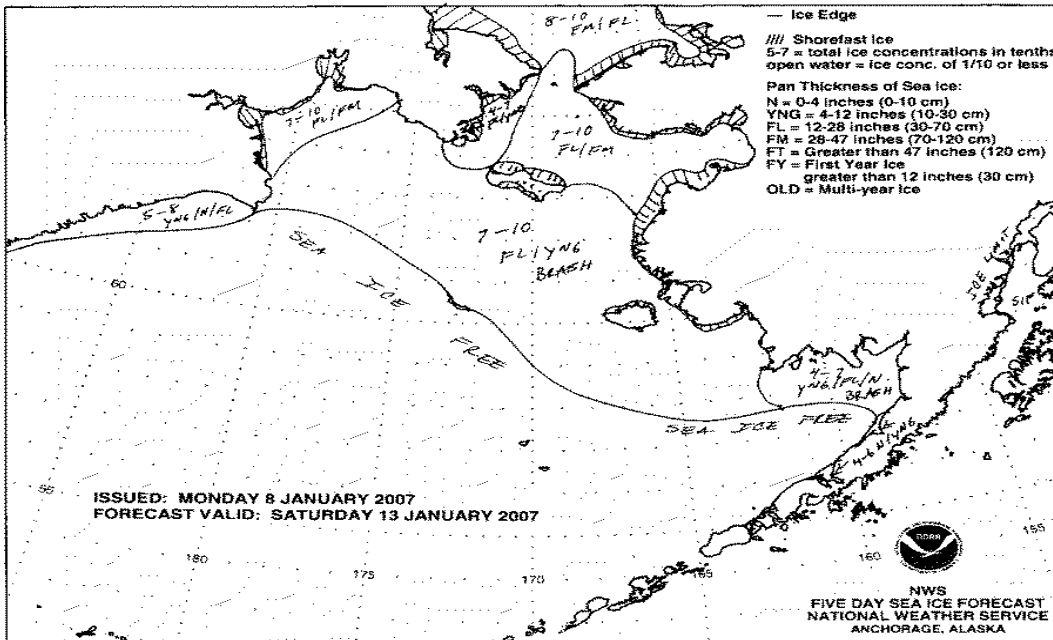
Sea Ice Analysis

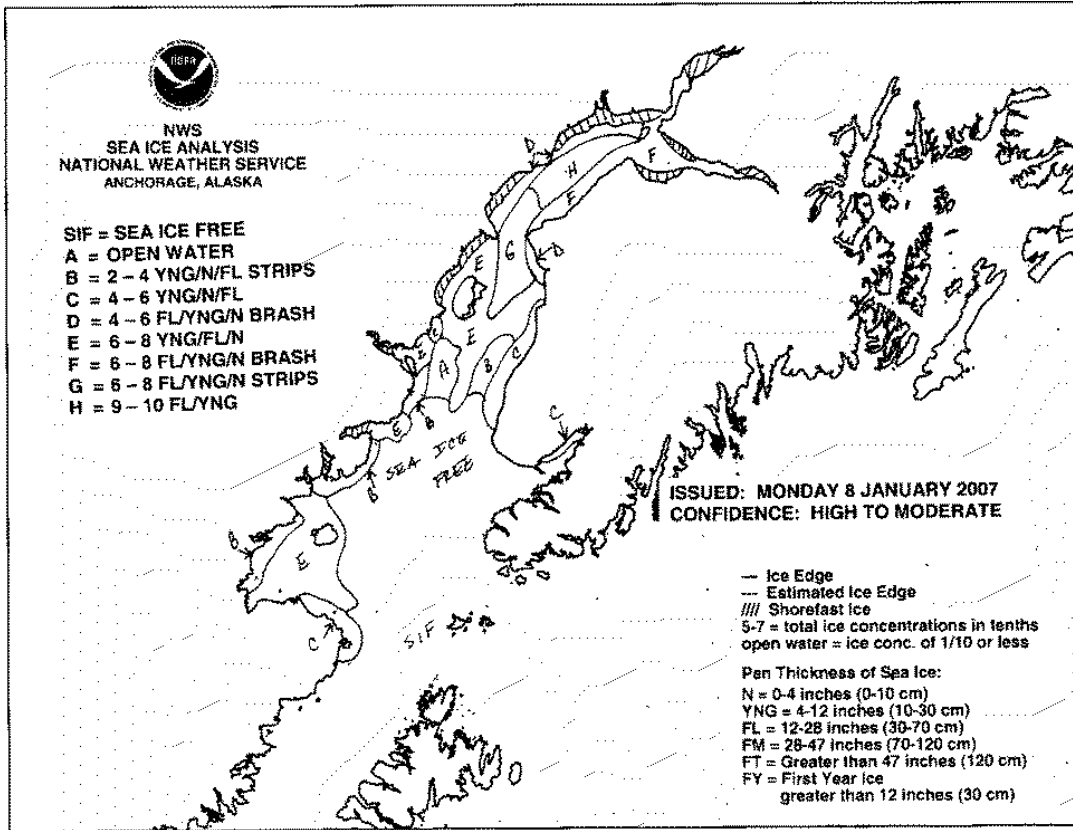
PTCA89.TIF



5 Day Sea Ice Forecast

PTCO89.TIF





AK Coastal Forecast Tables

PLBZ00.TIF

NATIONAL WEATHER SERVICE MARINE						FORECAST FOR ALASKA COASTAL WATERS					
FORECAST FOR 0000 UTC JAN 10 2007						FORECAST FOR 1200 UTC JAN 10 2007					
AREA	WIND (KT)	SEA (FT)	WEATHER	WARNINGS	ICING	AREA	WIND (KT)	SEA (FT)	WEATHER	WARNINGS	ICING
011	N40	08		GALE	ICG	011	N40	08		GALE	ICG
012	N45	09		GALE	HEAVY	012	N45	09		GALE	HEAVY
013	N35	08		GALE	ICG	013	N40	09		GALE	ICG
021	NE25	06		SMCR	ICG	021	NE30	06		SMCR	ICG
022	E25	05		SMCR	NONE	022	E25	05		SMCR	NONE
031	N35	07		GALE	ICG	031	N35	07		GALE	ICG
032	N30	06		GALE	ICG	032	N30	06		SMCR	ICG
033	N20	08		SMCR	NONE	033	N25	06		SMCR	NONE
034	NW25	06		SMCR	NONE	034	NE25	06		SMCR	NONE
035	W20	07			NONE	035	NE25	06		SMCR	NONE
036	NW25	06		SMCR	NONE	036	NW35	07		GALE	NONE
041	NW25	13	SNSH	SMCR	NONE	041	N30	14		SMCR	NONE
042	N25	13		SMCR	NONE	042	N30	13		SMCR	NONE
043	NE35	12		GALE	NONE	043	N25	10		SMCR	NONE
051	NE40	12		GALE	NONE	051	NE35	08		GALE	NONE
052	NE40	08		GALE	NONE	052	N35	07		GALE	NONE
120	N25	12		SMCR	HEAVY	120	N15	07	SNSH		ICG
125	N15	04			ICG	125	NE15	02			NONE
130	NW25	16	SNSH	SMCR	HEAVY	130	SE15	07	SNOW		NONE
132	NW25	11		SMCR	HEAVY	132	S25	07		SMCR	ICG
138	S15	04			NONE	138	SE25	07	SNOW	SMCR	HEAVY
140	NE15	07			HEAVY	140	NE15	05			NONE
150	SW20	07			NONE	150	S35	16	SNOW	GALE	ICG
155	S40	19	RASN	GALE	NONE	155	S50	28	RAIN	STM	NONE
160	SE30	09	SNOW	SMCR	NONE	160	SE40	12	SNOW	GALE	NONE
165	S40	16	RASN	GALE	NONE	165	S50	19	RASN	STM	NONE
170	S50	27	RAIN	STM	NONE	170	S50	28	RASH	STM	NONE
172	S50	28	RAIN	STM	NONE	172	SW35	19	RASH	GALE	NONE
175	SW35	18	RASH	GALE	NONE	175	SW30	15	RASH	SMCR	NONE
176	S40	21	RASH	GALE	NONE	176	SW35	18	RASH	GALE	NONE
179	S45	23	RASN	GALE	NONE	179	S40	20	RASH	GALE	NONE
180	SE40	XX	SNOW	GALE	NONE	180	S45	XX	SNOW	GALE	NONE
185	SE45	18	RASN	GALE	NONE	185	SE35	15	RASN	GALE	NONE
200	SE30	XX	BLSN	BRSK	NONE	200	SE40	XX	SNOW	GALE	NONE
210	SE40	XX	SNOW	GALE	NONE	210	SE40	XX	SNOW	GALE	NONE
215	E25	XX	BLSN	BRSK	NONE	215	E35	XX	BLSN	GALE	NONE
220	E30	XX	BLSN	BRSK	NONE	220	E35	XX	SNOW	GALE	NONE
225	SE25	XX		BRSK	NONE	225	SE30	XX	SNOW	BRSK	NONE
230	S10	XX			NONE	230	E10	XX			NONE
235	S15	XX			NONE	235	SW10	XX			NONE
240	S10	XX			NONE	240	SW15	XX			NONE
245	SW10	XX			NONE	245	SW15	XX			NONE
310	N30	12	SNSH		NONE	310	NW25	10			NONE
350	NW30	16	SNSH		HEAVY	350	NW20	11	SNSH		HEAVY
410	S50	26	RASN	STM	HEAVY	410	S50	26	RASN	STM	NONE

ISSUED 1200 UTC JAN 09 2007 NEXT FORECAST SCHEDULED AT 0400 UTC JAN 10 2007
 12 AND 24 HOUR MARINE FORECAST TABLES

Radiofax Schedule Kodiak, AK

PLBZ05.TIF

KODIAK, ALASKA, U.S.A.

CALL SIGN	FREQUENCIES	TIMES	EMISSION	POWER
NOJ	2054 kHz	CONTINUOUS	F3C	7.5KW
	4298 kHz	CONTINUOUS	F3C	7.5KW
	8459 kHz	CONTINUOUS	F3C	7.5KW
	12412.5 kHz	CONTINUOUS	F3C	7.5KW

TRANS TIME	CONTENTS OF TRANSMISSION	RPM/IOC	VALID TIME	MAP AREA
0400/1600	TEST PATTERN	120/576		
0403/1603	SURFACE ANALYSIS	120/576	00/12	2
0427/1627	REBROADCAST 24HR SURFACE F'CAST 2227/1027	120/576	12/00	3
0437/1637	REBROADCAST 48HR SURFACE F'CAST 2237/1037	120/576	12/00	1
0447/1647	COASTAL MARINE FORECAST TABLES (ALASKA)	120/576	LATEST	
0456/1656	SEA STATE ANALYSIS/REBROADCAST	120/576	00/00	1
0506/1706	GOES IR SATELLITE IMAGE	120/576	00/12	5
0517/1717	500 MB ANALYSIS	120/576	00/12	1
0527/1727	SYMBOLS AND CONTRACTIONS/SCHEDULE	120/576		
0548/1748	REQUEST FOR COMMENTS/PRODUCT NOTICE	120/576		
0558/1758	24HR 500 MB FORECAST	120/576	00/12	1
0950/2150	TEST PATTERN	120/576		
0953/2153	SURFACE ANALYSIS	120/576	06/18	2
1017/2217	24HR WIND/WAVE FORECAST	120/576	00/12	3
1027/2227	24HR SURFACE FORECAST	120/576	00/12	3
1037/2237	48HR SURFACE FORECAST	120/576	00/12	1
1047/2247	48HR WIND/WAVE FORECAST	120/576	00/12	1
1057/2257	5-DAY SEA ICE FORECAST/SEA ICE ANALYSIS	120/576	LATEST	6
1117/2317	GOES IR SATELLITE IMAGE	120/576	00/12	5
1128/2328	48HR WAVE PERIOD, SWELL DIRECTION	120/576	00/12	1
1138/2338	48HR 500 MB FORECAST	120/576	00/12	1
1148/----	SEA SURFACE TEMPERATURE ANALYSIS	120/576	LATEST	4
1159/----	COOK INLET SEA ICE FORECAST	120/576	LATEST	7
----/2348	96HR SURFACE FORECAST	120/576	1200	1
----/2358	96HR WIND/WAVE FORECAST	120/576	1200	1
----/0008	96HR WAVE PERIOD, SWELL DIRECTION	120/576	1200	1
----/0018	96HR 500 MB FORECAST	120/576	1200	1

- MAP AREAS:
- | | | | |
|---------------|-------------|--------------------------|-------------|
| 1. 20N - 70N, | 115W - 135E | 2. 40N - 70N, | 125W - 150E |
| 3. 40N - 70N, | 115W - 170E | 4. 40N - 60N, | 125W - 160E |
| 5. 05N - 60N, | 110W - 160W | 6. ICE COVERED AK WATERS | |
| 7. COOK INLET | | | |

- NOTES: 1. CARRIER FREQUENCY IS 1.9 kHz BELOW THE ASSIGNED FREQUENCY
 2. COMMENTS AND SUGGESTIONS SHOULD BE DIRECTED TO:

METEOROLOGIST-IN-CHARGE
 NATIONAL WEATHER SERVICE/NOAA
 6930 SAND LAKE ROAD
 ANCHORAGE, AK 99502-1845
 PH: (907) 266-5105/FAX: (907) 266-5188
 E-MAIL: nws.ar.pafc.webauthors@noaa.gov


Many of these charts also broadcast from Pt. Reyes, CA

(SCHEDULE EFFECTIVE Jun 15, 2005 1400z)
 (INFORMATION DATED Apr 11, 2005)tdr


National Weather Service
Anchorage Alaska
Radiofacsimile Symbols and
Contractions


H = High pressure center


L = Low pressure center


 = Direction of movement of pressure centers or fronts

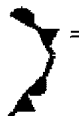
 = Direction Wave is coming from (West)

 = Past location and movement of pressure centers


 = Cold Front

 = Warm Front

 = Stationary Front


 = Occluded Front

 = High Pressure Ridge

 = Low Pressure Trough


 = 5 knot wind from the Northwest

 = 10 knot wind from the Northeast


 = 15 knot wind from the East

 = 35 knot wind from the Southwest

 = 50 knot wind from the Southeast

 = 75 knot wind from the West

1008 = Lowest central pressure in a Low or highest pressure in a High in millibars

 = Line of equal pressure, sea height, or ice coverage boundary

Developing Fronts

 = Cold Front


 = Warm Front

 = Occluded Front

 = Stationary Front

Weakening Fronts

 = Cold Front

 = Warm Front

 = Occluded Front

 = Stationary Front

Courtesy National Weather Service
6930 Sand Lake Road
Anchorage, AK 99502

SCT = Scattered
STNRY = Stationary
DVLPG = Developing
WKNG = Weakening
UTC = Universal Time Coordinate
V.T. = Verifying Time
ADT = Alaska Daylight Time
AST = Alaska Standard Time

GRAPHICAL PRODUCTS LEGEND

<p>H 1024</p> <p>L X 999</p>	<p>CENTER OF HIGH PRES WITH PRES IN MILLIBARS</p> <p>CENTER OF LOW PRES OR TRPCL DEPRESSION (TD) WITH PRES IN MILLIBARS</p>	<p>TRPCL STORM (TS)</p> <p>HURRICANE (HRCN)</p> <p>CONVECTION</p> <p>TRPCL WAVE</p>	<p>5 KT</p> <p>10 KT</p> <p>15 KT</p> <p>20 KT</p> <p>25 KT</p> <p>35 KT</p> <p>GALE OR TRPCL STORM</p> <p>50 KT STORM</p> <p>74 KT HRCN</p> <p>105 KT</p>
<p>COLD FRONT</p> <p>WARM FRONT</p> <p>STATIONARY FRONT</p> <p>OCCLUDED FRONT</p> <p>DRY LN</p> <p>SQUALL LN</p> <p>TROF LN</p> <p>RIDGE AXIS</p>	<p>TEXT ABBREVIATIONS</p> <p>KT - KNOTS</p> <p>FT - FEET</p> <p>NM - NAUTICAL MILES</p> <p>G - GUSTS</p> <p>HRCN - HURRICANE</p> <p>TRPCL - TROPICAL</p> <p>PRES - PRESSURE</p> <p>LN - LINE</p> <p>TROF - TROUGH</p> <p>MOV - MOVING</p> <p>STNR - STATIONARY</p>	<p>24 HR HIGH PRES MOVEMENT</p> <p>24 HR LOW PRES MOVEMENT</p>	