QC
875
.U6
H54
1995

HIGH SEAS MARINE WARNING AND FORECAST PROGRAM

NOAA

NATIONAL WEATHER SERVICE

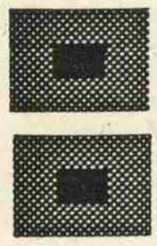
NATIONAL METEOROLOGICAL CENTER

MARINE FORECAST BRANCH

WWBG/RM410
5200 AUTH RD.
WASHINGTON, DC 20233

PHONE: 301-763-8442
FAX:301-899-8903
EMAIL: dfeit@smtpgate.ssmc.noaa.gov

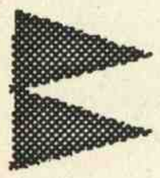
High Seas Wind Warnings



HURRICANE (≥64 KT)



STORM (≥48 KT)



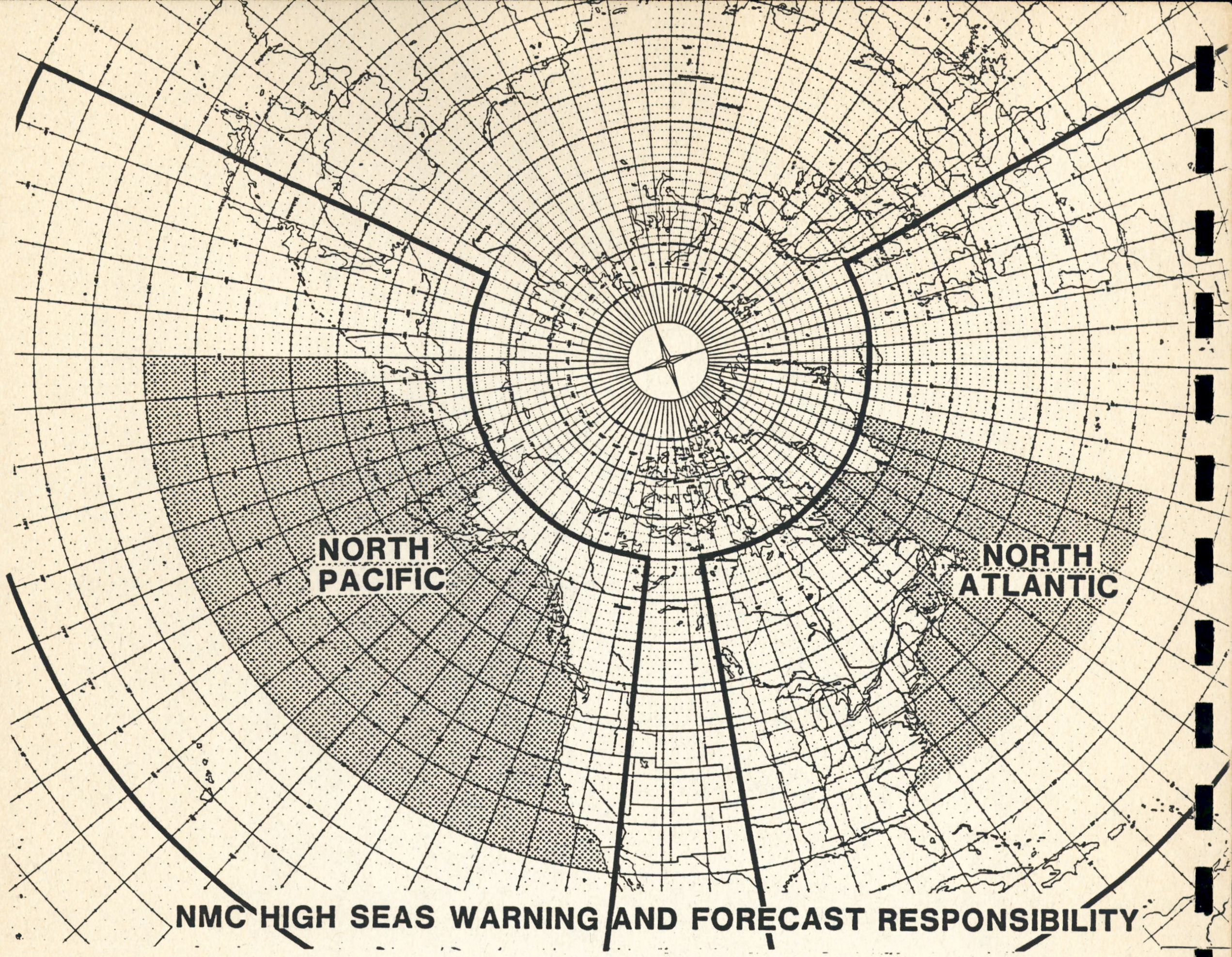
GALE (34 to 47 KT)

TROPICAL STORM
(34 to 63 KT)

QC
875
.U6
H54
1995

LIBRARY

N.O.A.A.
U.S. Dept. of Commerce



NMC HIGH SEAS WARNING AND FORECAST RESPONSIBILITY

HIGH SEAS WARNING BULLETINS

TEXT BULLETINS

- UPDATED EVERY 6 HOURS
- 36 HOUR FORECAST PERIOD

FULFILLS UNITED STATES COMMITMENT TO INTERNATIONAL S.O.L.A.S. AGREEMENT

CONSIST OF:

WARNINGS AND FORECASTS OF WINDS GALE FORCE AND HIGHER FOR BOTH EXTRATROPICAL AND TROPICAL CYCLONES

FORECASTS OF SIGNIFICANT WAVES
(8 FT OR HIGHER)

POSITION, CENTRAL PRESSURE, AND MOVEMENT OF WEATHER SYSTEMS. (EXTRATROPICAL, TROPICAL CYCLONES AND HIGHS).

DISSEMINATION:

HF VOICE - USCG (NMN, NMC) WCC (CHATHAM)
SITOR - USCG (NMF, NMC)
INMARSAT-C
INTERNET
(WWV;RADIOFACSIMILE)

CCODE/1:31:04:01:00/AOW/NWS/CCODE
HIGH SEAS FORECAST
NATIONAL WEATHER SERVICE NMC/MET OPERATIONS DIVISION
WASHINGTON D.C. 1630 UTC APR 04 1994

SECURITE
NORTH ATLANTIC NORTH OF 32N TO 65N AND WEST OF 35W
.FORECAST VALID 0000 UTC APR 06 1995.

WARNINGS.

STORM 43N 45W 973 MB AT 1200 UTC WILL MOVE NNE 25 KT. WINDS 40 TO 55 KT SEAS 18 TO 28 FT WITHIN 420 NM W SEMICIRCLE. ALSO WINDS 25 TO 40 KT SEAS 12 TO 20 FT WITHIN 720 NM SE SEMICIRCLE AND WITHIN 840 NM W QUADRANT. ELSEWHERE WINDS 25 TO 35 KT SEAS 10 TO 18 FT WITHIN 240 NM N QUADRANT. FORECAST GALE 55N 40W 980 MB. FORECAST WINDS 35 TO 45 KT SEAS 16 TO 26 FT WITHIN 480 NM N SEMICIRCLE. ELSEWHERE FORECAST WINDS 25 TO 40 KT SEAS 10 TO 18 FT WITHIN 600 NM S AND SE QUADRANTS.

IN ASSOCIATION WITH STORM 43N 45W AT 1200 UTC...WINDS 45 TO 55 KT SEAS 20 TO 30 FT ALONG N WALL OF GULF STREAM E OF 60W. GULF STREAM EXTENDS FROM 41N/62W TO 39N/59W TO 41N/57W TO 41N/53W TO 39N/53W TO 41N/50W TO 40.5N/48W TO 41N/46W. FORECAST CONDITIONS DISSIPATED BY 0000 UTC 05 APR.

DEVELOPING STORM FORMING INLAND NEAR 45N 73W 1000 MB BY 1800 UTC 04 APR WILL MOVE ENE 20 KT. FORECAST STORM 49N 60W 972 MB. FORECAST WINDS 40 TO 50 KT SEAS 14 TO 24 FT WITHIN 600 NM S SEMICIRCLE. FORECAST WINDS 30 TO 40 KT SEAS 10 TO 20 FT WITHIN 900 NM S QUADRANT OVER FORECAST WATERS.

GALE 53N 45W 994 MB AT 1200 UTC WILL MOVE SE 10 KT. EXCEPT AS NOTED ABOVE WINDS 25 TO 40 KT SEAS 12 TO 20 FT WITHIN 480 NM NW SEMICIRCLE. FORECAST GALE ABSORBED BY FORECAST GALE 55N 40W.

SYNOPSIS AND FORECASTS

AREA OF WINDS 20 TO 30 KT SEAS 8 TO 16 FT OVER FORECAST WATERS N OF 36N AND W OF 68W. FORECAST AREA ABSORBED BY FORECAST STORM 49N 60W.

HIGH 32N 69W 1024 MB AT 1200 UTC WILL MOVE ESE 20 KT. FORECAST HIGH S OF FORECAST WATERS.

DHS/MARINE FORECAST BRANCH

...
ATLC S OF 32N W OF 35W.
SYNOPSIS VALID 1200 UTC TUE APR 04.
FORECAST VALID 000 UTC THU APR 06.
...
WARNINGS
GALE WARNING ATLC N OF 30N BETWEEN 50W AND 40W WINDS 25 TO 40 KT. CONDITIONS IMPROVING WITH TIME. SEE PART F FOR FURTHER INFORMATION.
...
SYNOPSIS AND FORECAST.

REGIONAL MARINE FORECASTS

Interpret satellite imagery, SSM/I winds, conventional observations, and computer guidance to provide forecast guidance to WFO's with marine responsibility.

Products

1. Marine Interpretation Message (MIM)
   Synopses and Forecast Discussions
   * scheduled every 6 hours and as needed basis (weather watch)
2. MAC (Marine Analysis Chart)
   * every six hours
   * winds / waves
3. 24 and 36 hour surface pressure and wind wave forecasts (36 hrAtlantic only) (available on HF radiofacsimile).

Marine Interpretation Message (MIM)

- **Current and forecast synoptic features, surface and aloft**

- **Location and extent of significant winds**

- **Seas and restrictions to visibility**

- **Models trends and preferences and initialization of features**

- **Validity of specific observations**

- **Small scale phenomena, such as interaction of strong winds and currents(e.g. Gulf Stream)**

ZCZC NFDMIMPAC
TTAA00 KNFD 080730

MARINE INTERPRETATION MESSAGE FOR NORTH PACIFIC E OF 145W FROM 30N TO 60N

FORECAST DISCUSSION: MAJOR FEATURES/WINDS/SEAS/SIGNIFICANT WEATHER THROUGH 0000 UTC 09 JUN 1995.

SEE NMC TEST GRAPHIC NMCGPHRP2 (24HR WIND/WAVE FORECAST) BY REQUESTING IT FROM SMCC.

CURRENTLY THE UPR LVL PAT HAS CLOSED OFF 500 MB LOW OVR THE GRT BASIN AS A STG LONG/WV TROUGH MOVED INTO THE WRN PTN WITH A CPL OF SHRT/WV TROFS AND A 500 MB LOW NOTED S OF THE ALEUTIANS. THIS PAT CONT TO HAVE A NOTED RDG AXIS ALG 133W. THE MAIN MESSAGE IN LOOKING FM 12Z/07 TO 00/08 MDL RUNS WAS A MJR CHANGE NOTED IN THE PAT THROUGH THE NXT 24 HRS.

DURING THE NXT 24 HRS THE CLOSED LOW OVR GRT BASIN WILL CONT TO WKN AND MOVE EWD AS A WKNG RDG MOVES TWD THE CST. THIS CHG IN THE ERN PTN WILL BE IN ADVANCE OF AN INCRG WLY FLOW ASSOCD WITH AN INCRG ACT LONG/WV TROUGH BE DMNT OVR THE WRN PTN THROUGH 00Z/09. MDLS SHW ONE SHRT/WV 46N/143W TO 39N/143W MOVING NNE AN CARVING OUT THE LONG/WV TROUGH WHILE ANTHR SHRT/WV 45N TO 40N ALG 160W ASSOCD WITH AN INCRG ACT JET WILL DVLP INTO THE NXT MAIN AREA OF CYCLGNS IN THE MIM AREA. THIS PAT WAS NOTED BY THE MDLS WITH THE AVN MDL HAVING A LTL BTTR HNDL AN SPPRTD BY INCRG POTENTIAL VORT VALUES ASSOCD WITH THE DVLPG SHRT/WV ALG 160W.

AT THE SFC...THE HIGH PRES RDG OFF THE WCST WILL CONT TO MOVE INLAND THROUGH TDA AS INCRG ACT GALE CNTR ASSOCD WITH A INTENSIFYING FNTL BNDRY WILL MOVE INTO THE WRN PTN OF THE MIM AREA. GENLY FOLLOWING THE AVN MDL BUT A LTL DEEPER AT 990 MB NR 45N/143W WITH AN ACT FNTL BNDRY. GALE FORCE WINDS OF 30 TO 40 KT AND SEAS OF 13 TO 21 FT NOTED MNLY S OF GALE CNTR WITH CONDS OCNL HIGHER IN WDSPRD SQUALLS.

OTRW WKNG WINDS ALG THE W CST WITH DCRG SEAS BLW 10 FT.

HGM/MARINE FORECAST BRANCH
NNNN

Marine Interpretation Message(MIM)
Forecast Discussion

ZCZC NFDMIMATN
TTAA00 KNFD 141800

MARINE INTERPRETATION MESSAGE FOR NORTH ATLANTIC W OF 50W FROM 30N TO 50N

FORECAST DISCUSSION: MAJOR FEATURES/WINDS/SEAS/SIGNIFICANT WEATHER THROUGH 1200 UTC 15 JUN 1995.

SEE NMC TEST GRAPHIC NMCGPHRA2 (24HR WIND/WAVE FORECAST) BY REQUESTING IT FROM SMCC.

A SLWLY PROGR HI AMPL UPR LVL PTRN WL RMN IN PLACE OVR THE MIM AREA THRU THE PD WITH NO MAJ FCST PROBLEMS. 12Z FCST MDLS RMN CONSISTENT WITH THEIR PREV RUNS AND ARE IN GNRL AGRMT AND ACPTD. WITH THE STRNG BLOCKG UPR RDG RMNG ORIENTD NR LN FM 30N/55W TO 50N/35W THE N-S L/W TROF ALG THE CST WL MOV E TO VCNTY OF 70W AND LOSE AMPL. IN THE BASE OF THE L/W AN UPR LOW WL WKN INTO A S/W TROF AND LIFT NE FM THE MID ATL CST TO THE GLF OF ME. ITS ASCD SFC FRONTAL LOW WL SLOWLY WKN AND LIFT NE TO JUST SE OF NOVA SCOTIA WITH THE FRONT XTDG NE TO NR 50N/52W AND SW THRU 38N/68W. WITH STRONG SFC HI PRES RMNG IN PLACE TO ITS E THE PRES GRAD WL RMN MOD STRNG E OF THE LOW AND FRONT SPRTG S-SW CONDS IN THE 20-30 KT AND 7-14 FT RANGE WITHIN ABT 5-6 DEGS SE OF THE FRONT E OF 65W. NW OF THE LOW NLY CONDS IN THE 15-25 KT AND 4-8 FT RANGE WL DVLP OVR THE OFSHR WTRS N OF HDSN CNYN. THE NEW 24HR NOAA WAM MDL FCSTS 25 KT/11 FT INADVOF THE FRONT AND 25 KT/9 FT BHD THE FRONT. THE RMNG OFSHR WTRS WL MAINT WINDS/SEAS GNRLY AT 15 KT AND 7 FT OR LESS.

PRV/MARINE FORECAST BRANCH
NNNN

ZCZC NFDMIMPAC
FTAA00 KNFD 080200

MARINE INTERPRETATION MESSAGE FOR NORTH PACIFIC E OF 145W FROM
30N TO 60N

SYNOPSIS: MAJOR FEATURES/WINDS/SEAS/SIGNIFICANT WEATHER FROM
2100 UTC TO 0000 UTC 08 JUN 1995.

UPR LEVELS...THE MIM AREA CONTS TO BE DOMINATED BY A NRLY
STNRY STG UPR LOW CNTRD W OF AREA IN EXTRM SW GLFALSK WITH
LONG/WV TROF AXIS SE FM CNTR TO NR 42N/150W. SHRT/WVS CONTINUE
TO ROTATE AROUND THE BASE OF THE TROF. A SHRP RDG AXIS EXTENDING
SSW THRU 50N 130W TO 40N 136W TO 30N 145W IS PREVENTING MUCH
EASTWARD PROGRESS OF THESE SHORTWAVES AND THEREFORE THEY ARE
PUSHED NORTHWARD INTO THE GLFALSK. UPR LVL CHARTS/ENHNCD IR AND
WTR VAPOR SHOW STG JET FEEDING SE INTO BASE OF UPR TROF. SE OF
RDG..AN UPR CLOSED LOW IS CENTERED OVER NV.

AT THE SFC.. LOW PRES TROF OVR AREA FM PAC NW TO CALIF COMBINED
WITH THE SFC RIDGE TO THE WEST CONTINUE TO PRODUCE A TIGHT
GRADIENT ALTHOUGH THE GRADIENT AND ASSOCD WNDS HAVE STARTED TO
WKN. SHIP/BUOY AND SSM/I SHOW NW WINDS 20 TO 30 KT AND SEAS 09
TO 15 FT IN CALIF OFFSHORE WATERS. EARLIER.. AT 18Z.. THERE WERE
A FEW RPTS OF GALE FORCE. A FNTL BNDRY IS GRADUALLY MOVING INTO
THE AREA FROM THE W ALONG POINTS 55N 145W TO 50N 140W TO 45N
141W TO 40N 146W. THIS IS INDICATED WELL BY THE VIS SAT PIX. THE
SFC RIDGE AXIS IS ALONG 46N 132W SW TO 35N 137W. THE RIDGE IS
PREVENTING MUCH EASTWARD MOVEMENT OF THE FRONTAL BOUNDARY.
CONVENTIONAL AND SSM/I DATA SHOW WNDS 20 TO 30 KT AND SEAS 08 TO
12 FT W OF SFC RDG INADV OF BNDRY IN GLFALSK NR 140W WITH 6-9 FT
GLSW W OF RDG OUT TO 145W.

SATLT IR AND SSM/I SUPPORT PCPN INADV OF FNT WI 120-180 NM..
ESPECIALLY IN NRN GLFALSK AND S OF 50N.

PTSS/GPB/MARINE FORECAST BRANCH

NNNN

Marine Interpretation Message(MIM)
Synopsis

ZCZC NFDMIMATN
TTAA00 KNFD 141315

MARINE INTERPRETATION MESSAGE FOR NORTH ATLANTIC W OF 50W FROM 30N TO 50N

SYNOPSIS: MAJOR FEATURES/WINDS/SEAS/SIGNIFICANT WEATHER FROM 0900 UTC TO 1200 UTC 14 JUN 1995.

SEE AFOS GRAPHIC NMCGPHRA1 FOR LATEST WAVE ANALYSIS. NOTE: WAVE HEIGHT ANALYSIS BASED ON CURRENT DATA AND CONTINUITY FROM 3-6 HOURS AGO.

UPR LVLS....SHARP N-S L/W TROF INVOF 75W WITH AN UNSNBL CLOSED LOW OVR ERN NC. HIGH AMPLITUDE RIDGES CONT EITHER SIDE OF TROF WITH ERN RDG BLDG ALNG LN FM 30N/57W TO 50N/45W.

AT THE SFC....STNRY FRONT EXTDS FROM A WK SFC LOW OVR THE GLF ST LAW TO ANOTHER WK LOW NR 36N/72W THEN SW TO 30N/74W. LATEST SAT IMGRY IND THAT THE SRN SFC LOW THOUGH STILL WEAK IS RESPONDG TO THE CLOSED UPR LOW AND BCMG SMWHT BETTER ORGANIZED. ASCD CONDS ARE IN THE 20-30 KT AND 7-14 FT RANGE IMMED W OF THE SRN LOW AND WITHIN APROX 360 NM E OF THE FRONT S OF 42N. AT 12Z C6JJ2 AT 35.4N/73.9W HAD 320/26 KT AND DSLN7 HAD 340/22 KT AND LAVW4 AT 36.5N/63.0W HAD 180/27 KT AND THE ELEVATED 44144 HAD 230/33 KT. ELSWHR W OF THE FRONT CONDS OVR THE RMNG OFSHR WTRS ARE GNRLY IN THE 10-15 KT AND 3-7 FT RANGE.

JLC/PRV/MARINE FORECAST BRANCH
NNNN

MARINE ANALYSIS CHART(MAC)

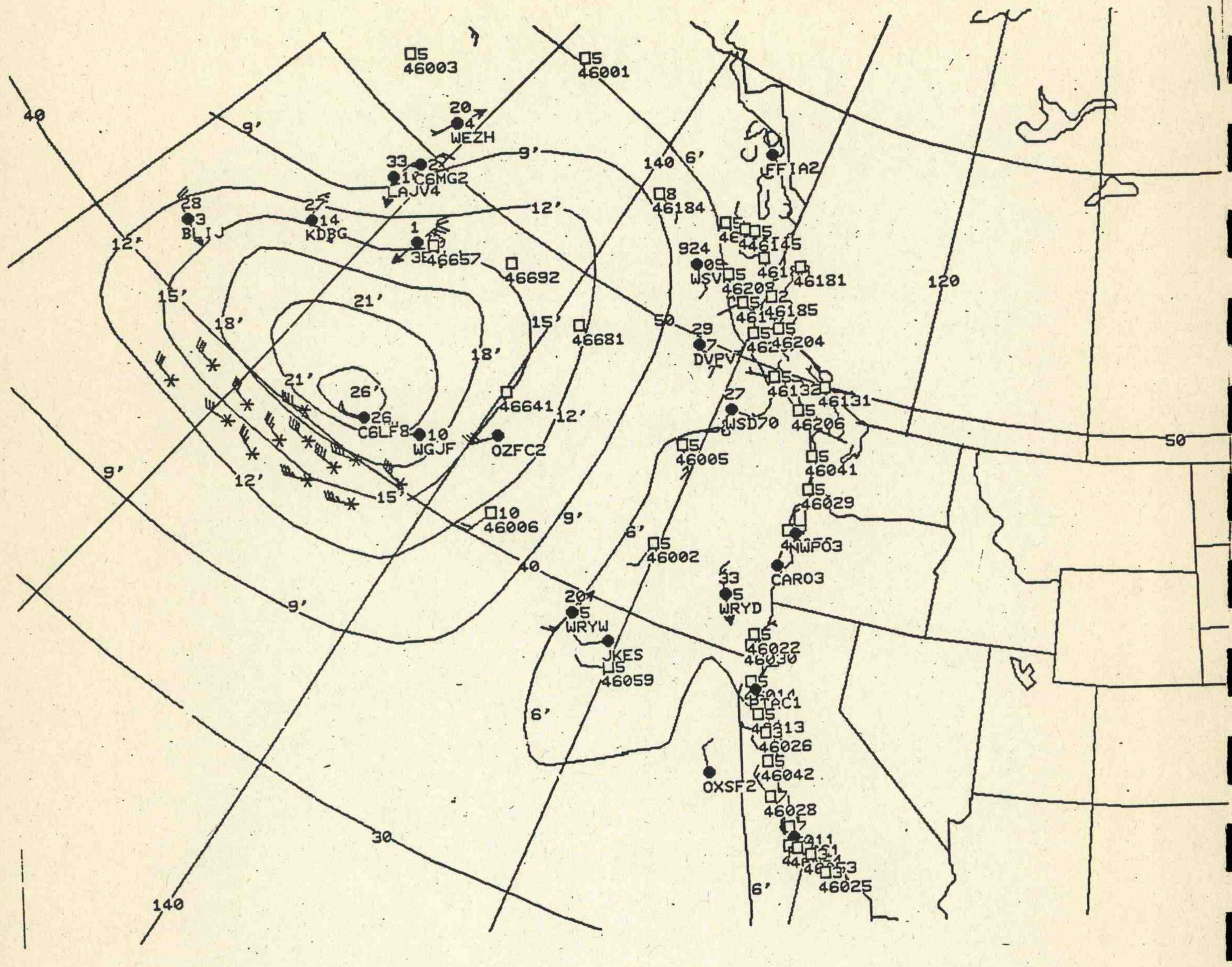
AREA COVERED:30N TO 60N...TO 145W (160W)
DATA RECEIVED:50 MIN PAST HOUR
RAW2 DATA PLOT : 00Z + EVERY 3 HOURS
PLOT: SHIP/BOUY REPORTS...WINDS/SEAS

ANALYSIS: WIND/WAVES(SEAS)

WINDS...STANDARD WIND BARBS
SEAS...3 FOOT CONTOURS

Additions to the plot

LATE SHIP REPORTS
LATE BOUY REPORTS
SSM/I (satellite derived) WINDS
LOCAL MAREPS...if available



MARINE ANALYSIS CHART(MAC)
0600UTC 09 JUNE 1995 RP1

NORTH ATLANTIC RADIOFACSIMILE SCHEDULE

&

CHARTS

USCG/NMF

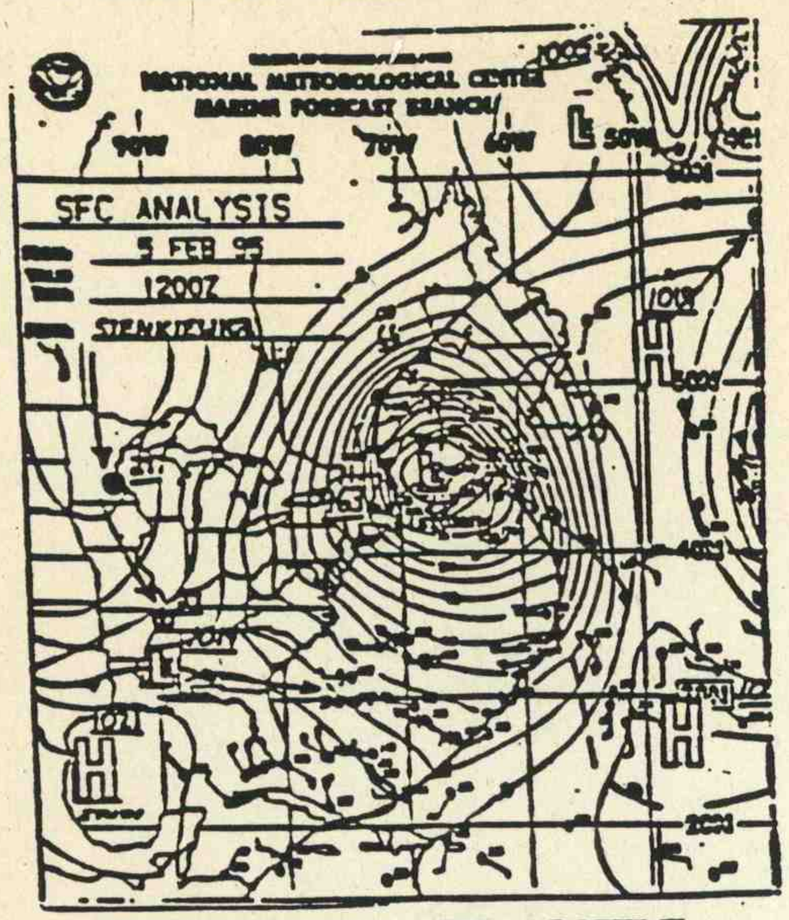
6340.5 kHz

12750 kHz

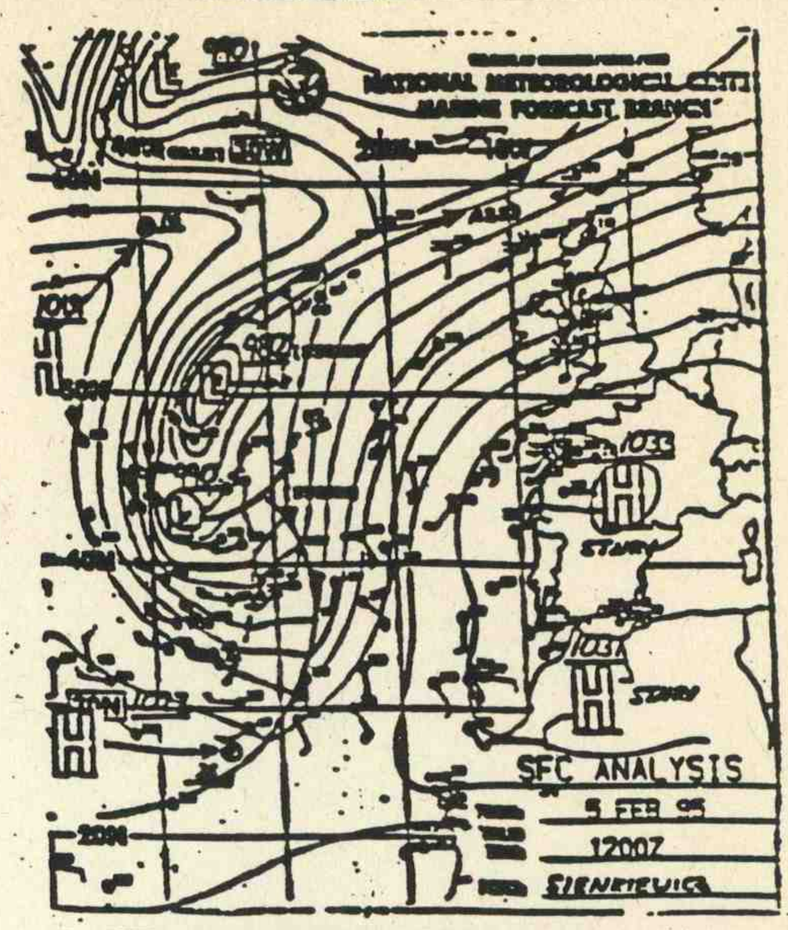
UNITED STATES COAST GUARD
NATIONAL WEATHER SERVICE
MARINE RADIOFACSIMILE SCHEDULE
NMF - USCG MARSHFIELD, MA
6340.5, 12750 kHz

TIME(UTC)	PRODUCT	VALID TIME
0300/1730	HEADER (START OF BROADCAST)	
0305/------	FAX SCHEDULE	
0315/------	SATELLITE IMAGE	0000
0325/1735	SURFACE ANALYSIS (E ATLC)	0000/1200
0338/1748	SURFACE ANALYSIS (W ATLC)	0000/1200
0351/------	500 MB ANALYSIS	0000
------/1835	HEADER (START OF BROADCAST)	
0401/1840	SURFACE ANALYSIS (E ATLC)	0000/1200
0414/1853	SURFACE ANALYSIS (W ATLC)	0000/1200
------/1906	500 MB ANALYSIS	1200
------/1916	SEA STATE ANAL (METERS)	1200
------/1926	96 HR 500 MB FORECAST	0000
------/1936	96 HR SURFACE FORECAST	0000
------/1946	GULF STREAM ANALYSIS	LATEST
0800/2015	HEADER (START OF BROADCAST)	
0805/2020	24 HR SURFACE FORECAST	0000/1200
0815/2030	24 HR WIND/WAVE FORECAST ,	0000/1200
0825/2040	48 HR SURFACE FORECAST	0000/1200
0835/2050	48 HR 500 MB FORECAST	0000/1200
0845/2100	48 HR SEA STATE FORECAST	0000/1200
0905/------	HEADER (START OF BROADCAST)	
0910/------	LEGEND	
0920/------	REQUEST FOR COMMENTS	
------/2110	SATELLITE IMAGE	1800
0930/2120	SURFACE ANALYSIS (E ATLC)	0600/1800
0943/2133	SURFACE ANALYSIS (W ATLC)	0600/1800
0956/------	SATELLITE IMAGERY	0600
1006/------	GULF STREAM ANAL (PART 1)	LATEST
1016/------	GULF STREAM ANAL (PART 2)	LATEST
1026/2146	SURFACE ANALYSIS (E ATLC)	0600/1800
1039/2159	SURFACE ANALYSIS (W ATLC)	0600/1800

NATIONAL WEATHER SERVICE RADIOFACSIMILE PRODUCTS

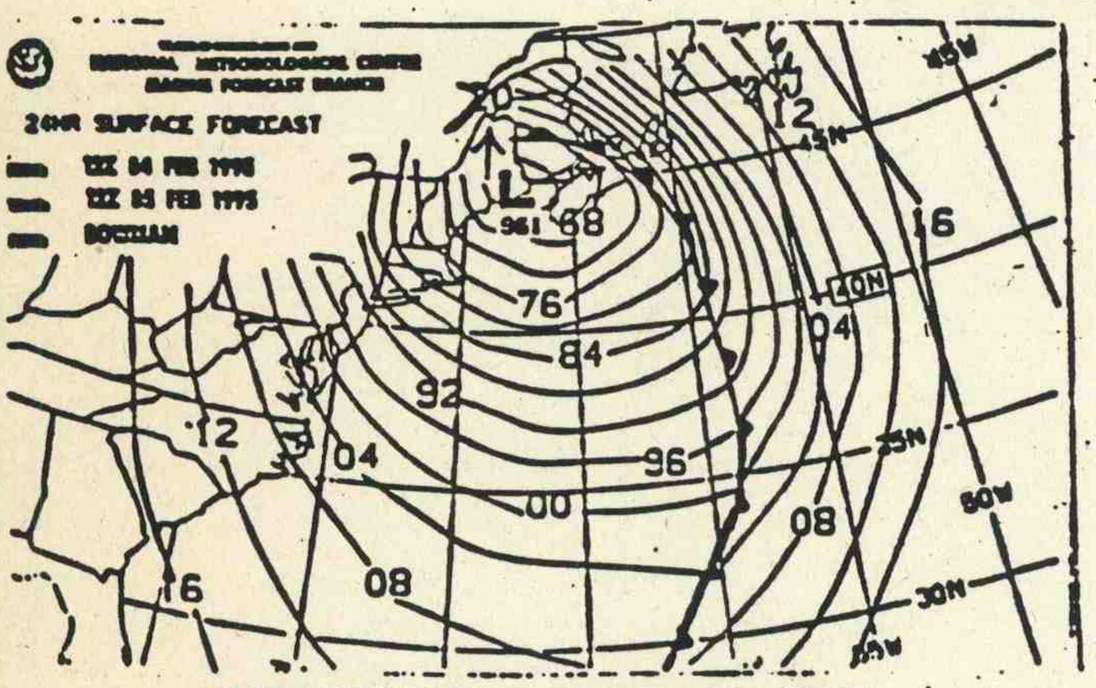


WESTERN ATLANTIC

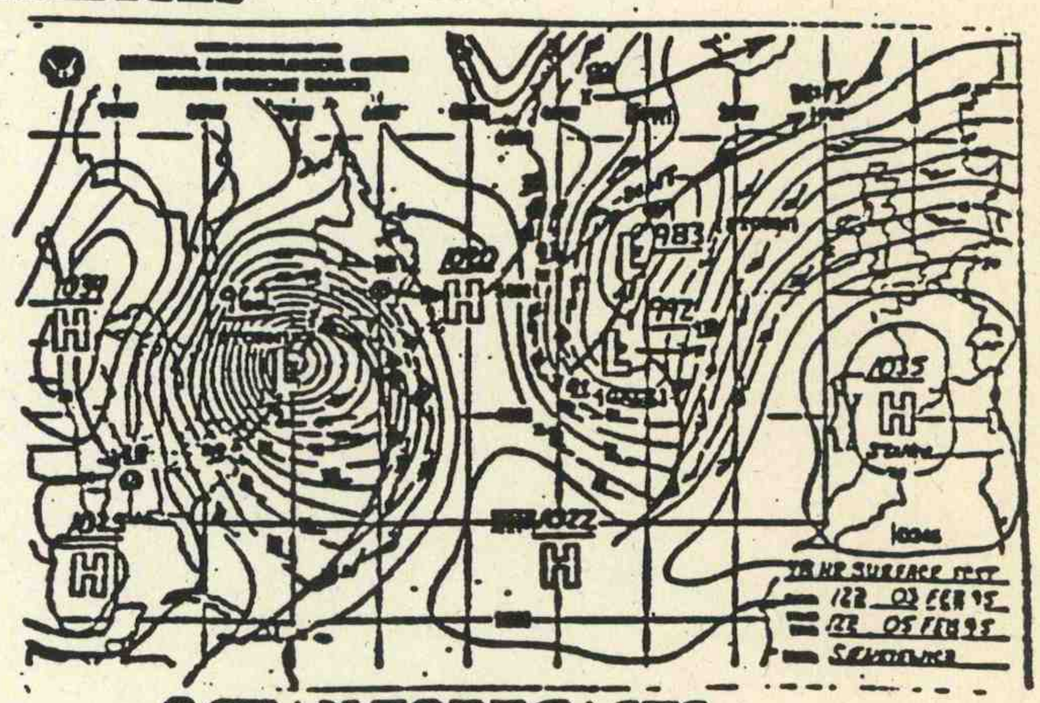


EASTERN ATLANTIC

SURFACE ANALYSES



REGIONAL FORECASTS



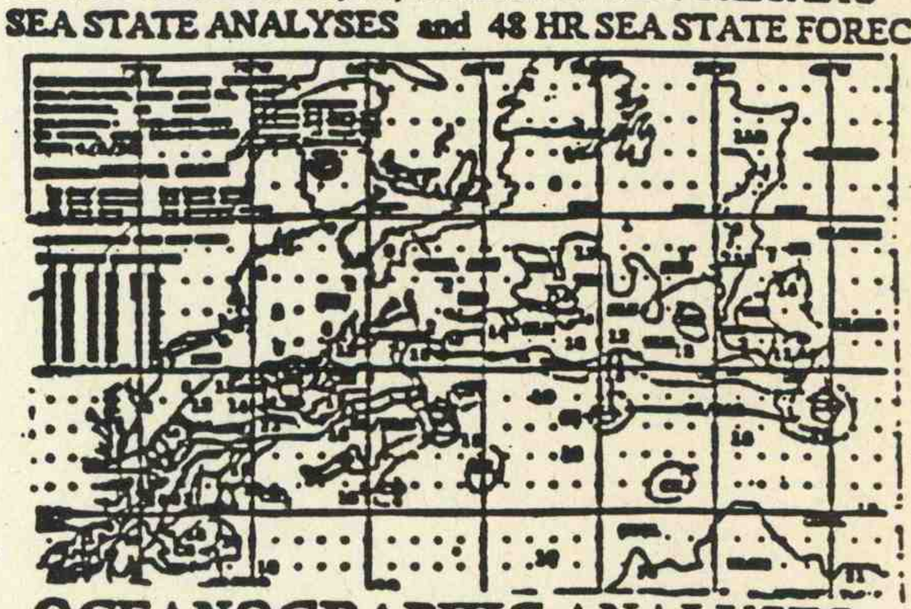
OCEAN FORECASTS

24 HOUR SURFACE FORECASTS
24 HOUR WIND/WAVE FORECASTS



SATELLITE IMAGERY

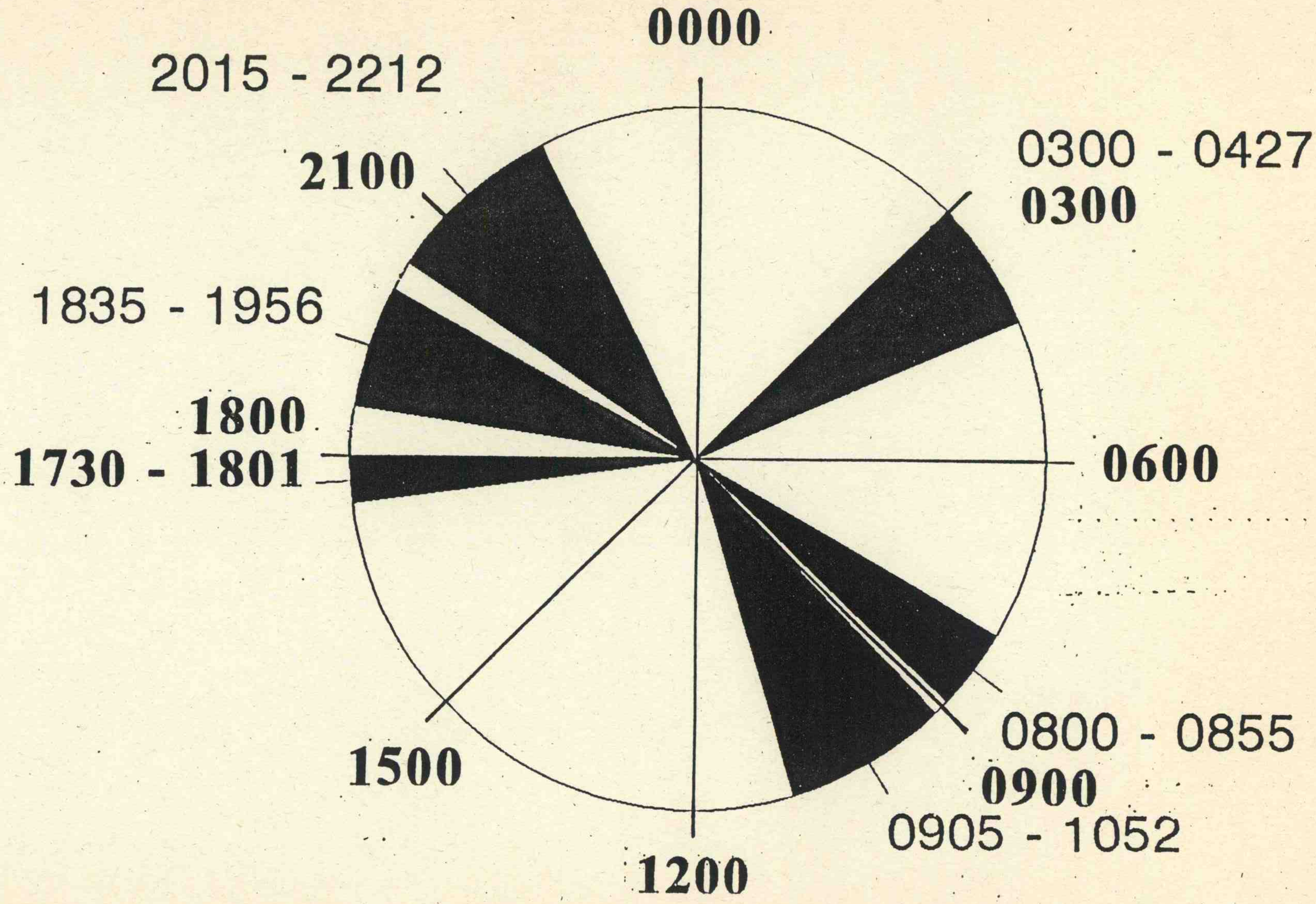
48 , 96 HR SURFACE FORECASTS
500 MB ANALYSES, 48, 96 HR 500 MB FORECASTS
SEA STATE ANALYSES and 48 HR SEA STATE FORECASTS



OCEANOGRAPHIC ANALYSES

NATIONAL WEATHER SERVICE
MARINE FORECAST BRANCH WWBG/ RM 410
5200 AUTH RD.
WASHINGTON, DC 20233
301-763-8442 (dfeit@smtpgate.noaa.gov)

USCG/NWS NORTH ATLANTIC RADIOFACSIMILE SCHEDUL



ALL TIMES UTC

25 CHARTS - 7 HOURS 55 MINUTES BROADCAST TIME

WEATHER ANALYSIS PRODUCTS



EASTERN ATLANTIC SURFACE ANALYSES

4 PER DAY

VALID	BROADCAST	REBROADCAST
0000Z -	0325Z	(0401Z)
0600Z -	0930Z	(1026Z)
1200Z -	1735Z	(1840Z)
1800Z -	2120Z	(2146Z)

★ MANUALLY INTERPOLATED ISOBARIC ANALYSES (4 MB)

★ FRONTS

★ HIGH AND LOW PRESSURE CENTERS

★ 24 HOUR FORECAST TRACKS OF PRESSURE CENTERS

★ WARNING CATEGORIES

★ SHIP OBSERVATIONS

U.S. DEPT. OF COMMERCE / NOAA / NWS

NATIONAL METEOROLOGICAL CENTE
MARINE FORECAST BRANCH

990

L x

40W [GALE] 30W

20W 984 10W 0

60N

50N

40N

30N

20N

18

019

982 [STORM]

92

990 [STORM]

1033

STNRY

1031

STNRY

1022

ABSD

NEW

26

SFC ANALYSIS

FROM: 5 FEB 95

VALID TIME: 1200Z

FCSTR: SIENKIEWICZ

WESTERN ATLANTIC SURFACE ANALYSES

4 PER DAY

VALID	BROADCAST	REBROADCAST
0000Z -	0338Z	(0414Z)
0600Z -	0943Z	(1039Z)
1200Z -	1748Z	(1853Z)
1800Z -	2133Z	(2159Z)

★ MANUALLY INTERPOLATED ISOBARIC ANALYSES (4 MB)

★ FRONTS

★ HIGH AND LOW CENTERS

★ 24 HOUR FORECAST TRACKS OF PRESSURE CENTERS

★ WARNING CATEGORIES

★ SHIP OBSERVATIONS

U.S. DEPT. OF COMMERCE / NOAA / NWS

NATIONAL METEOROLOGICAL CENTER
MARINE FORECAST BRANCH

SFC ANALYSIS

DTG: 5 FEB 95

VALID TIME: 1200Z

CTR: SIENKIEWICZ

90W 80W 70W 60W 50W 40

60N 50N 40N 30N 20N

1005 1019 1014 1021

963

[STORM]

STNRY

DSIPT

500 MILLIBAR ANALYSES

2 PER DAY

VALID		BROADCAST
0000Z	-	0351Z
1200Z	-	1906Z

★ COMPUTER GENERATED ANALYSIS

★ 500 MB GEOPOTENTIAL HEIGHT (CONTOURED EVERY 60 METERS)

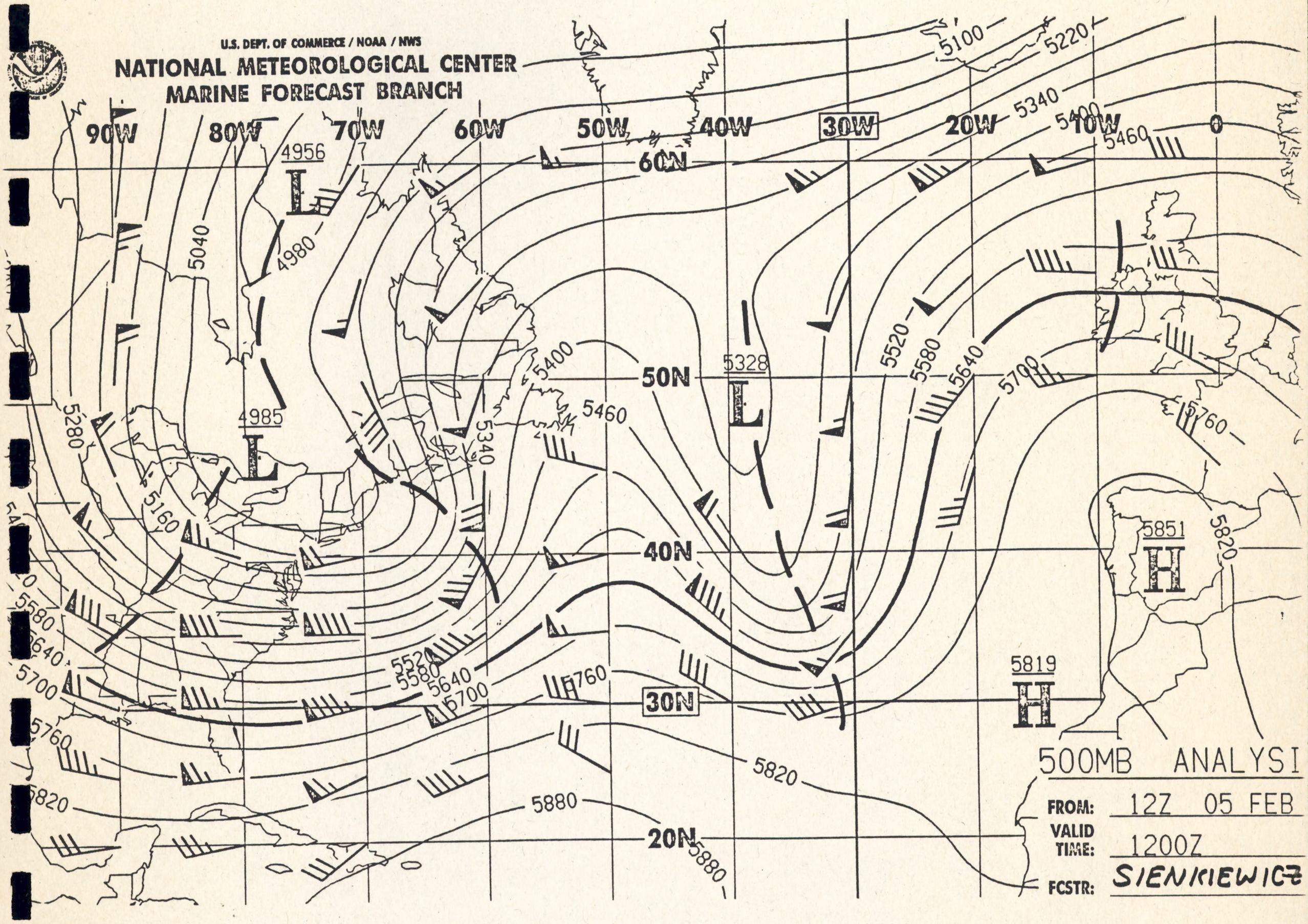
★ CLOSED LOW AND HIGH CENTERS

★ 500 MB TROUGH AXES (MANUALLY ADDED)

(USE IN CONJUNCTION WITH SURFACE ANALYSES)

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NATIONAL METEOROLOGICAL CENTER
MARINE FORECAST BRANCH



500MB ANALYSI

FROM: 12Z 05 FEB

VALID TIME: 1200Z

FCSTR: SIENKIEWICZ

SEA STATE ANALYSIS

1 PER DAY

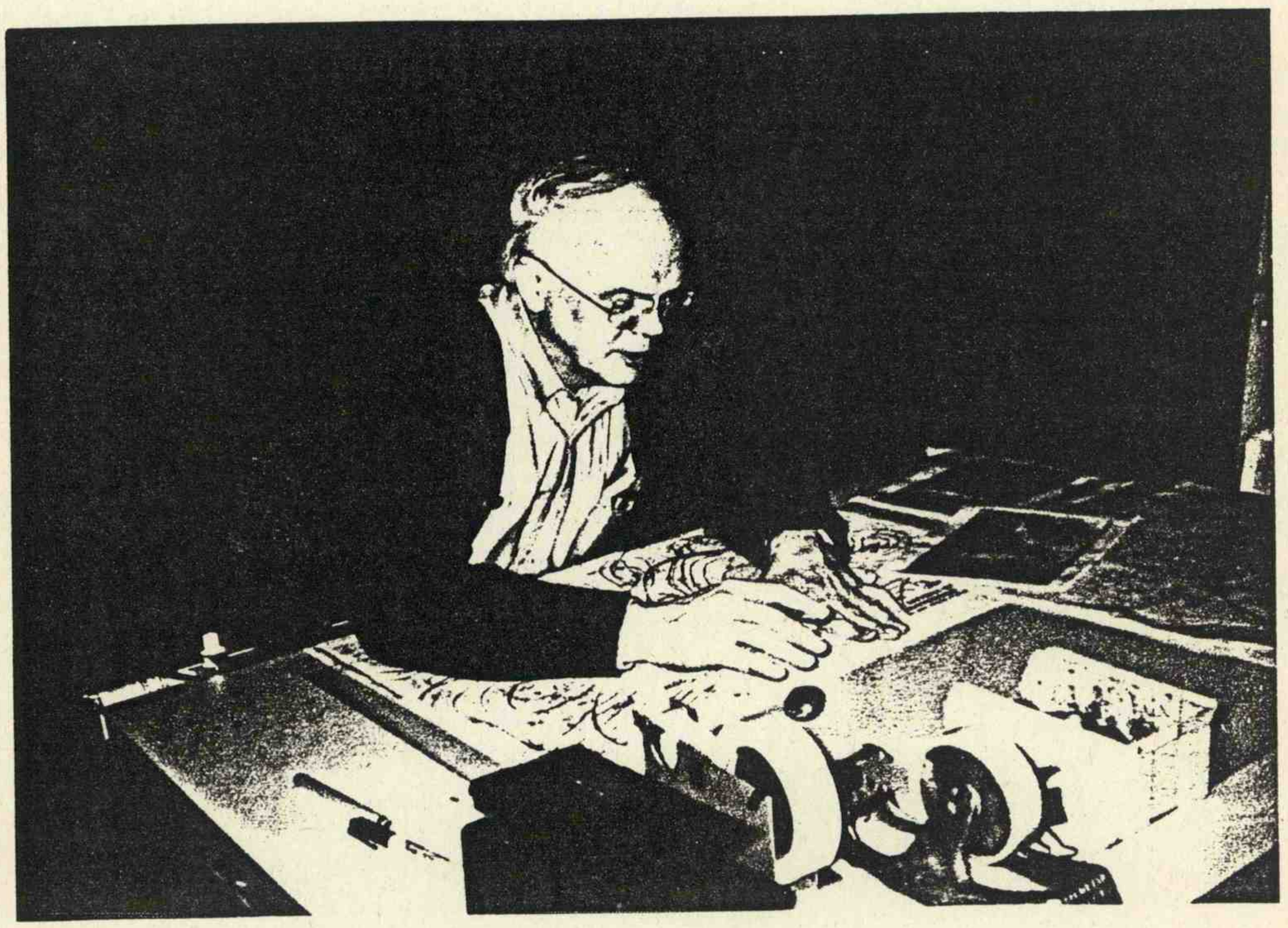
VALID BROADCAST
1200Z - 1916Z

★ SIGNIFICANT WAVE HEIGHT ANALYSIS
(combined wind wave and swell)

★ CONTOURED EVERY METER

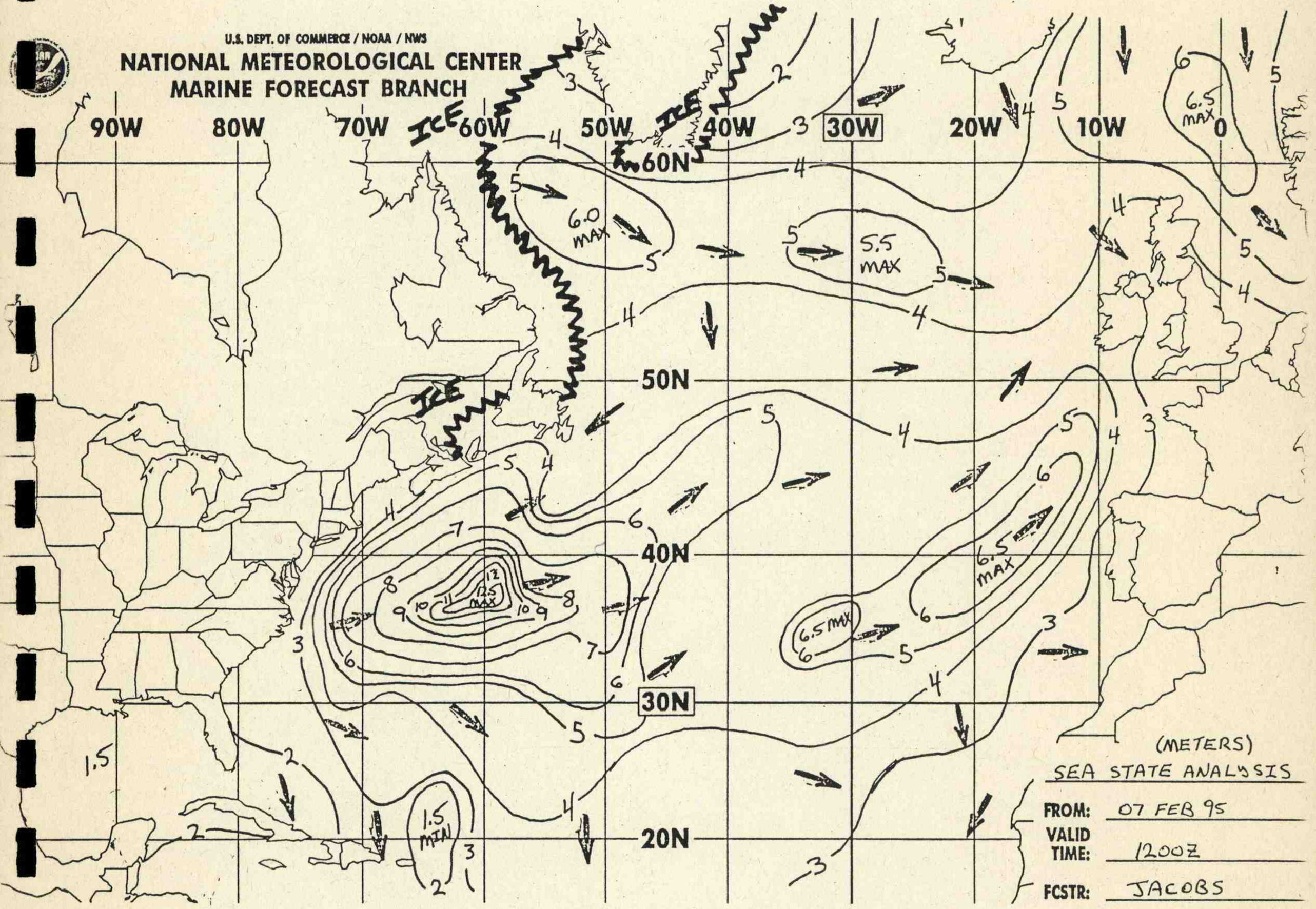
★ SIGNIFICANT SWELL DIRECTION

★ MANUAL INTERPOLATION OF SHIP AND BUOY OBSERVATIONS AND NUMERICAL FORECAST GUIDANCE



U.S. DEPT. OF COMMERCE / NOAA / NWS

NATIONAL METEOROLOGICAL CENTER
MARINE FORECAST BRANCH



(METERS)

SEA STATE ANALYSIS

FROM: 07 FEB 95

VALID TIME: 1200Z

FCSTR: JACOBS

SATELLITE IMAGERY

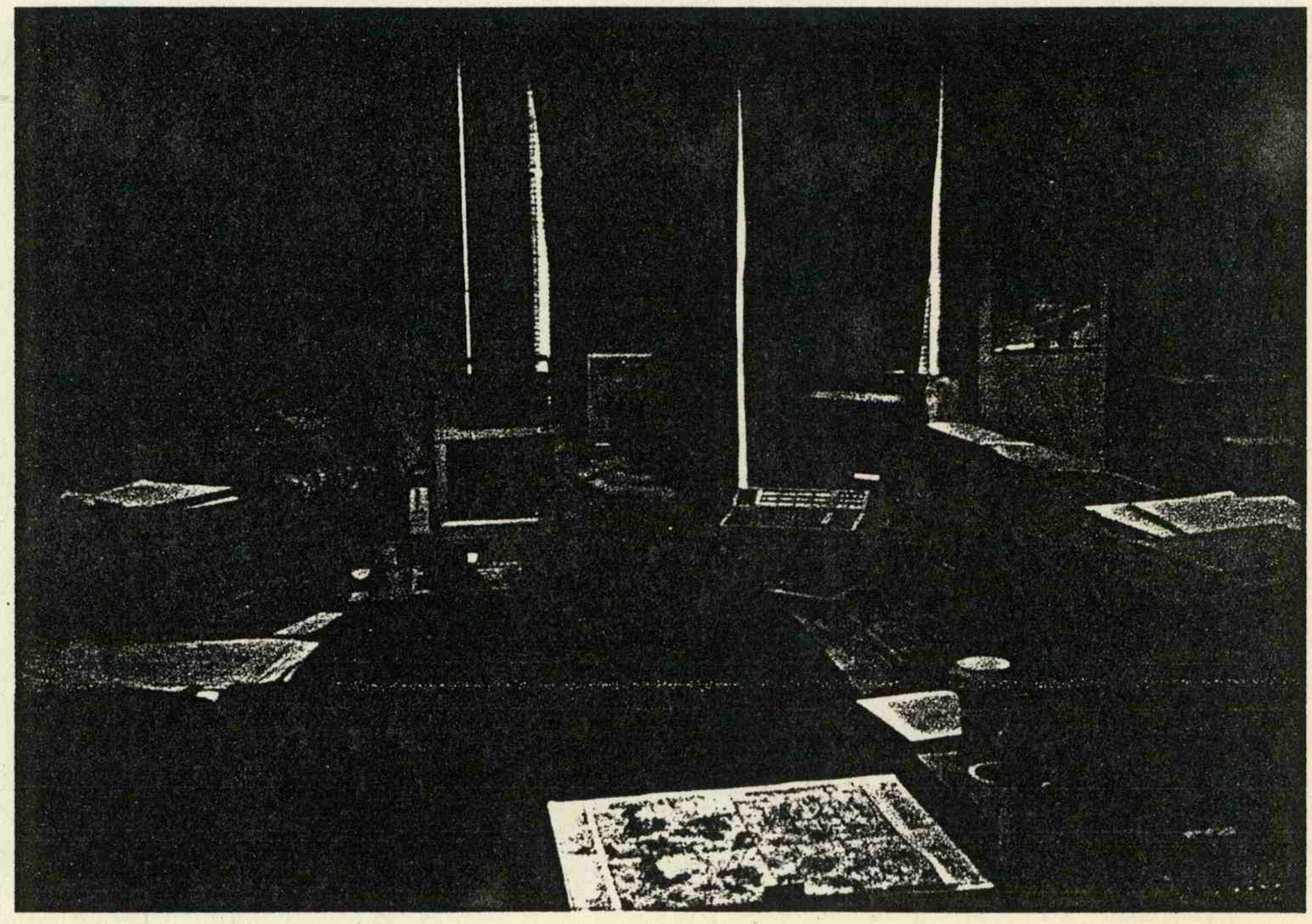
3 PER DAY

VALID		BROADCAST
0000Z	-	0315Z
0600Z	-	0956Z
1800Z	-	2110Z

★ GOES - 8 VISIBLE AND INFRARED IMAGERY



WEATHER FORECAST PRODUCTS



Torrance, CA 90503

24 HOUR SURFACE FORECASTS

2 PER DAY

VALID	BROADCAST
0000Z -	0805Z
1200Z -	2020Z

★ MANUALLY INTERPOLATED FORECASTS OF SURFACE PRESSURE (4 MB SPACING)

★ FRONTS

★ HIGH AND LOW PRESSURE CENTERS

★ FORECAST DIRECTION AND SPEED OF MOTION OF PRESSURE CENTERS

★ WARNING CATEGORIES

★ WESTERN NORTH ATLANTIC

U.S. DEPT. OF COMMERCE / NOAA / NMC

NATIONAL METEOROLOGICAL CENTER

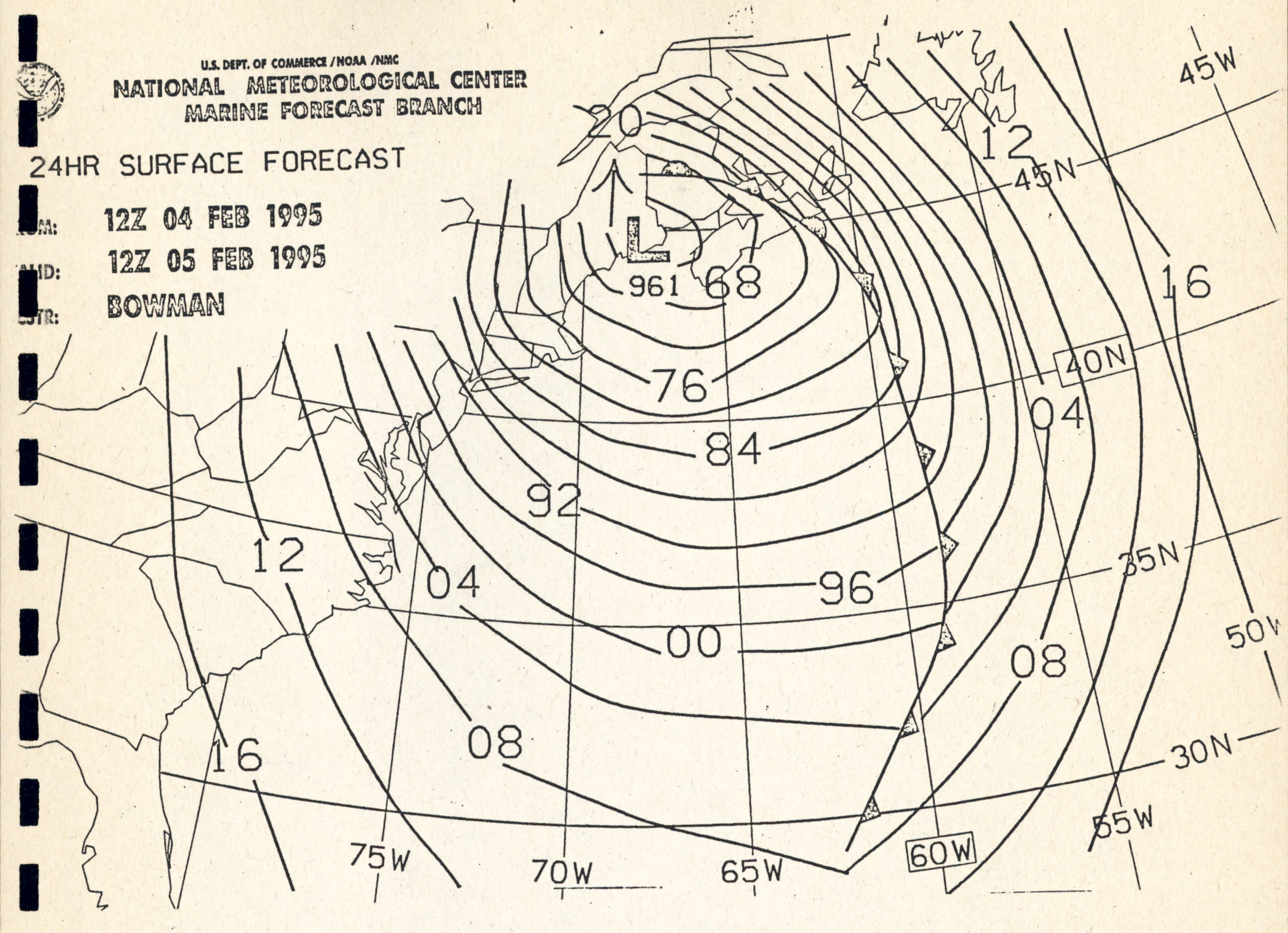
MARINE FORECAST BRANCH

24HR SURFACE FORECAST

FROM: 12Z 04 FEB 1995

VALID: 12Z 05 FEB 1995

FCSTR: BOWMAN





24 HOUR WIND/WAVE FORECASTS

2 PER DAY

VALID	BROADCAST
0000Z -	0815Z
1200Z -	2030Z

★ MANUALLY INTERPOLATED FORECASTS OF SIGNIFICANT WAVE HEIGHT (COMBINED WIND WAVE AND SWELL) (3 FT CONTOURS)

USE: NOAA WAM MODEL
U.S. NAVY WAM MODEL

★ DETAILED WIND FORECASTS

★ WESTERN NORTH ATLANTIC

U.S. DEPT. OF COMMERCE / NOAA / NMC

NATIONAL METEOROLOGICAL CENTER
MARINE FORECAST BRANCH

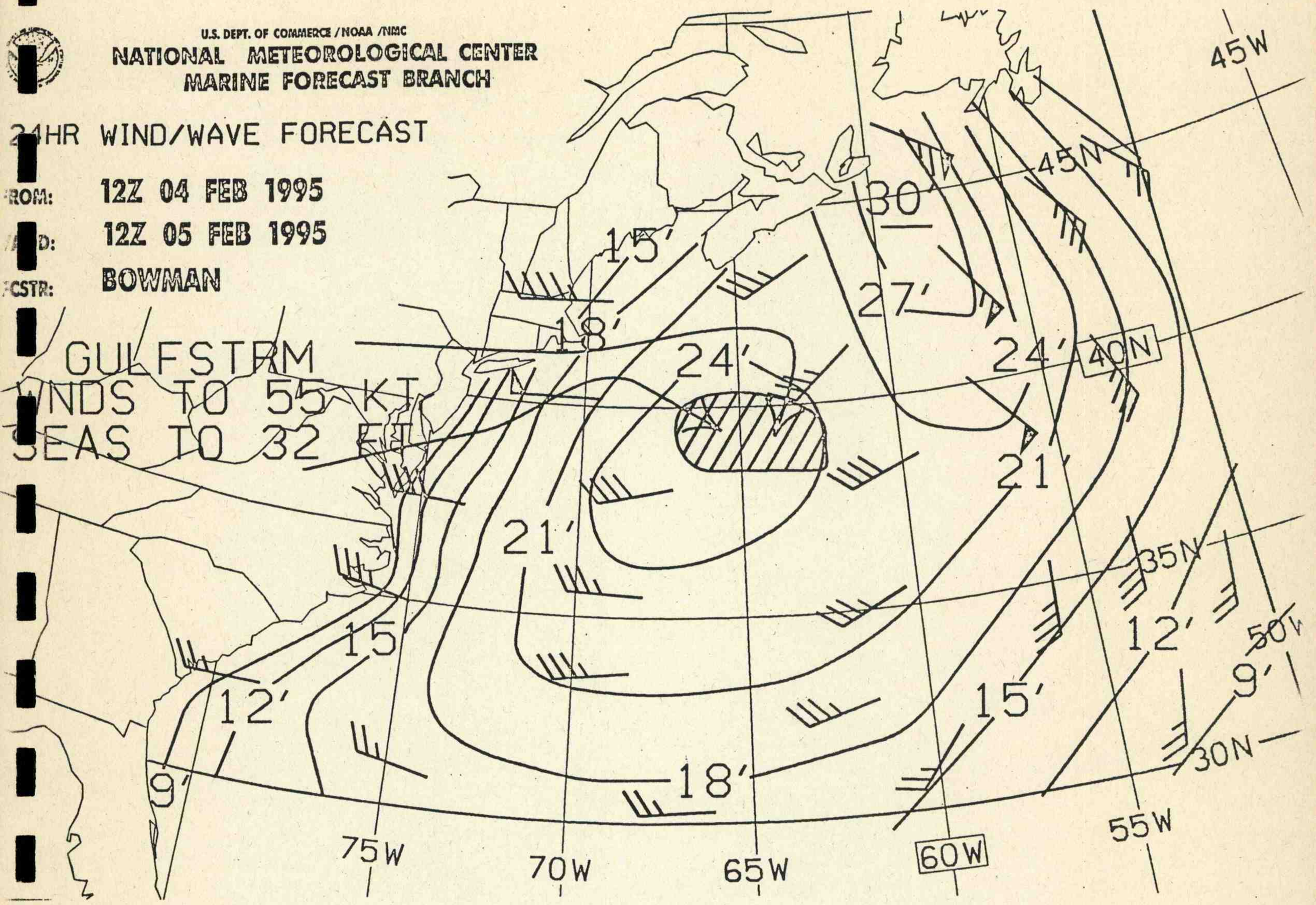
24HR WIND/WAVE FORECAST

FROM: 12Z 04 FEB 1995

VALID: 12Z 05 FEB 1995

FCSTR: BOWMAN

GULFSTRM
WINDS TO 55 KT
SEAS TO 32 FT



48 HOUR SURFACE FORECASTS

2 PER DAY

VALID	BROADCAST
0000Z -	0825Z
1200Z -	2040Z

★ MANUALLY INTERPOLATED FORECASTS OF SURFACE PRESSURE (4 MB SPACING)

★ FRONTS

★ HIGH AND LOW PRESSURE CENTERS

★ 24 AND 72 HOUR FORECAST POSITIONS OF PRESSURE CENTERS AND FORECAST TRACKS

★ WARNING CATEGORIES

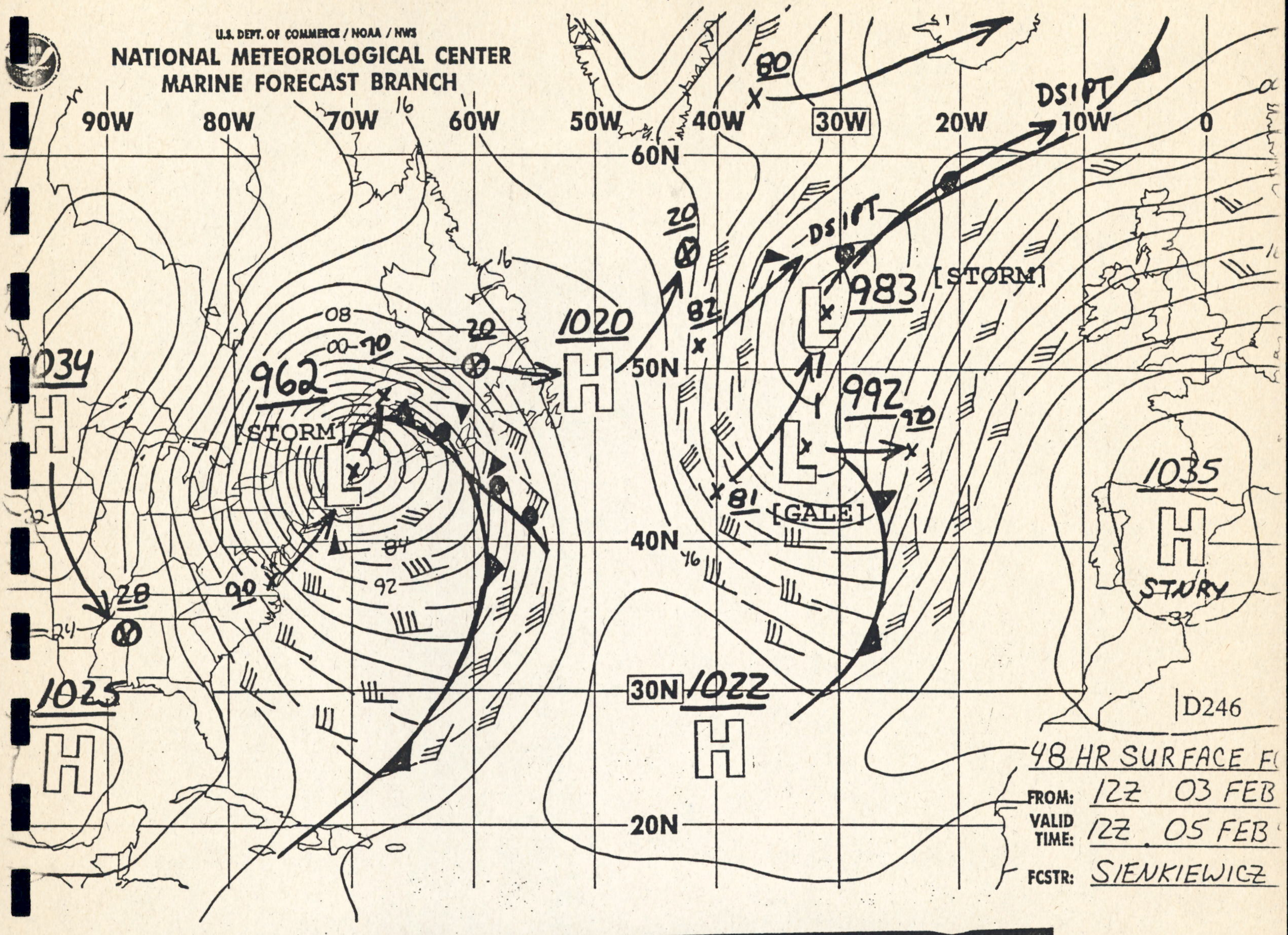
★ WIND FORECASTS

★ FULL OCEAN COVERAGE

U.S. DEPT. OF COMMERCE / NOAA / NWS

NATIONAL METEOROLOGICAL CENTER

MARINE FORECAST BRANCH



48 HR SURFACE F(

FROM: 12Z 03 FEB

VALID TIME: 12Z 05 FEB

FCSTR: SIENKIEWICZ



48 HOUR 500 MILLIBAR FORECASTS

2 PER DAY

VALID		BROADCAST
0000Z	-	0835Z
1200Z	-	2050Z

★ COMPUTER GENERATED FORECASTS

★ 500 MB GEOPOTENTIAL HEIGHT (CONTOURED EVERY 60 METERS)

★ CLOSED LOW AND HIGH CENTERS

★ 500 MB TROUGH AXES (MANUALLY ADDED)

(USE IN CONJUNCTION WITH SURFACE FORECASTS)

U.S. DEPT. OF COMMERCE / NOAA / NWS

NATIONAL METEOROLOGICAL CENTER

MARINE FORECAST BRANCH

90W 80W 70W 60W 50W 40W 30W 20W 10W 0

60N 50N 40N 30N 20N

5040 5160 5280 5340 5400 5460 5520 5580 5640 5700 5760 5820 5880 5940 6000 6060 6120 6180 6240 6300

5100 5220 5340 5400 5460 5520 5580 5640 5700 5760 5820 5880

5285 L

4945 L

5819 H

5845 H

5773

500MB 48HR F(

FROM: 12Z 03 FEB

VALID TIME: 12Z 05 FEB

FCSTR: SIENKIEWI(

48 HOUR SEA STATE FORECASTS

2 PER DAY

VALID	BROADCAST
0000Z -	0845Z
1200Z -	2100Z

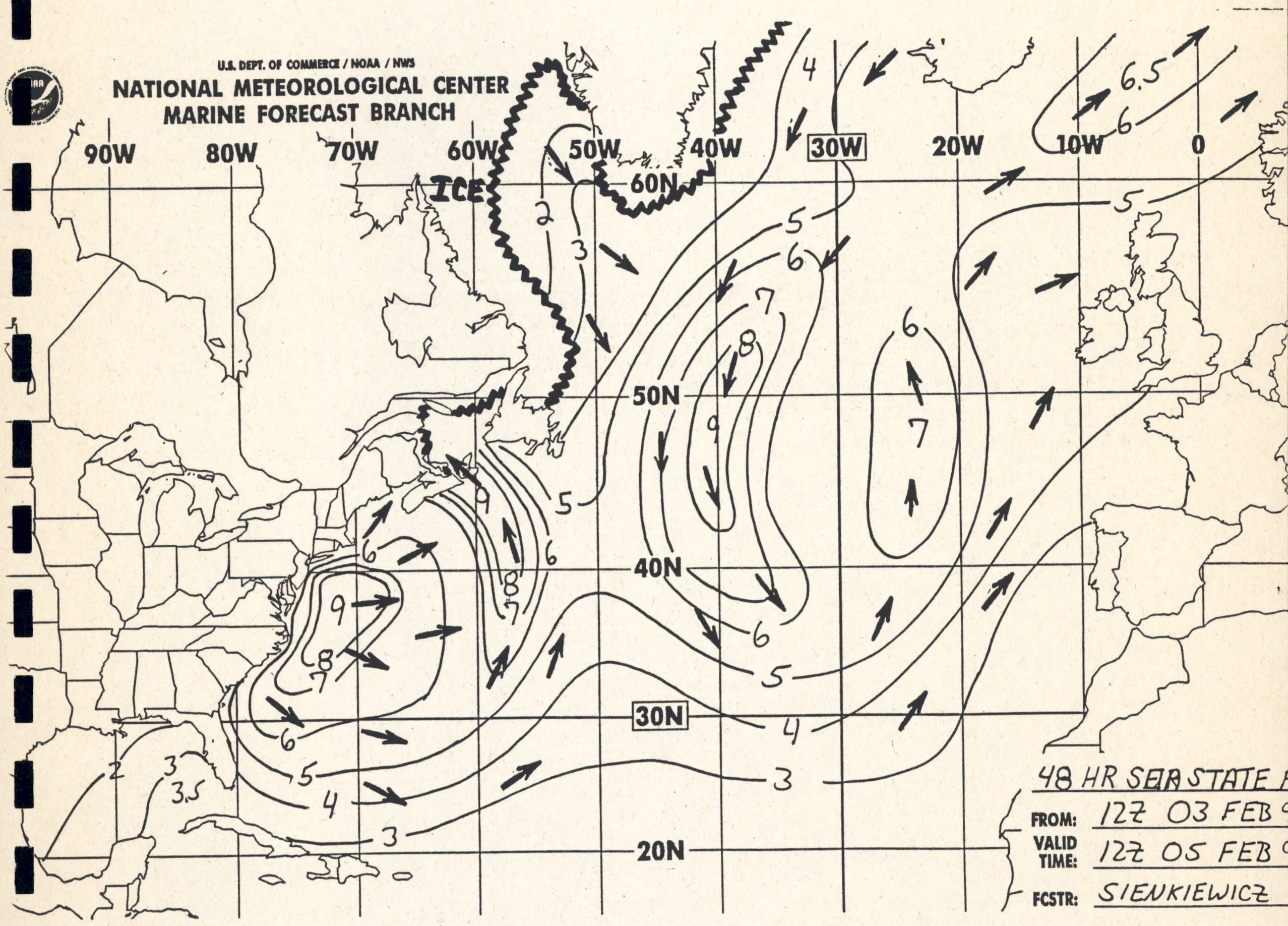
★ MANUALLY INTERPOLATED SIGNIFICANT WAVE HEIGHT FORECAST (combined wind wave and swell) USING: NOAA WAM MODEL
U.S. NAVY WAM MODEL

★ CONTOURED EVERY METER

★ SIGNIFICANT SWELL DIRECTION

U.S. DEPT. OF COMMERCE / NOAA / NWS

NATIONAL METEOROLOGICAL CENTER
MARINE FORECAST BRANCH



48 HR SEA STATE F

FROM: 12Z 03 FEB

VALID TIME: 12Z 05 FEB

FCSTR: SIENKIEWICZ

96 HOUR SURFACE FORECASTS

1 PER DAY

VALID	BROADCAST
0000Z -	1936Z

★ MANUALLY INTERPOLATED FORECASTS OF SURFACE PRESSURE (4 MB SPACING), FRONTS, PRESSURE CENTERS, WINDS, AND WARNING CATEGORIES

★ USE ALL AVAILABLE MEDIUM RANGE FORECAST GUIDANCE INCLUDING:

* U.S. MEDIUM RANGE FORECAST MODEL
* UNITED KINGDOM METEOROLOGICAL OFFICE FORECAST MODEL
* EUROPEAN CENTER FOR MEDIUM RANGE FORECASTING MODEL

★ 72 AND 120 HOUR FORECAST POSITIONS OF PRESSURE CENTERS AND FORECAST TRACKS

★ FULL OCEAN COVERAGE

U.S. DEPT. OF COMMERCE / NOAA / NWS

NATIONAL METEOROLOGICAL CENTER
MARINE FORECAST BRANCH

90W 80W 70W 60W 50W 40W 30W 20W 10W 0

60N 50N 40N 30N 20N

[GALE] [GALE] NEW 06/00Z

DISSIPATE DISSIPATE

DVLPG STORM

STNRY

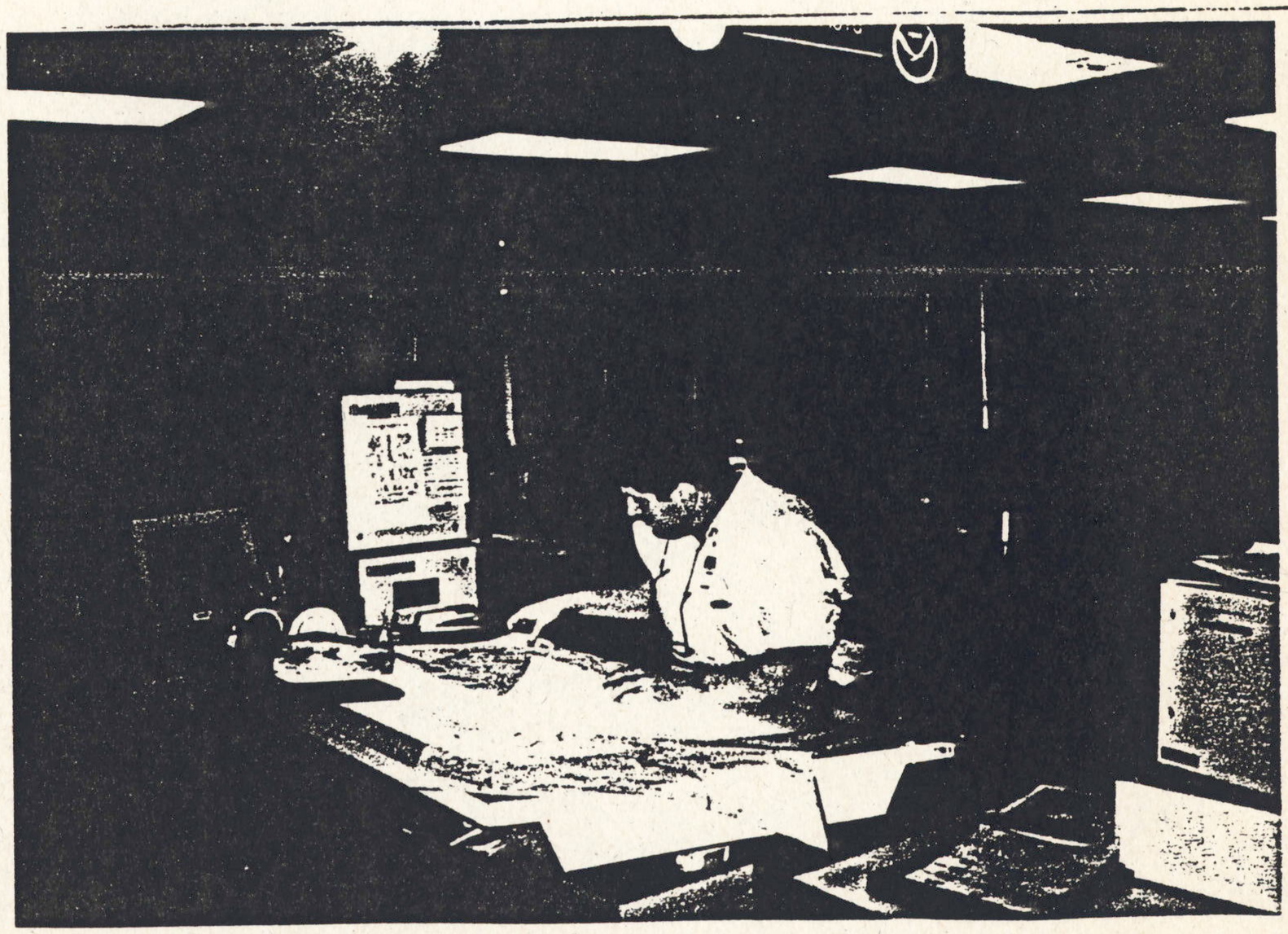
1030 1005 1019 980 1036 1026 987

96 HR SURFACE F

FROM: 00Z 01 FEB

VALID TIME: 00Z 05 FEB

FCSTR: PROSISE



96 HOUR 500 MILLIBAR FORECASTS

1 PER DAY

VALID		BROADCAST
0000Z	-	1926Z

★ COMPUTER GENERATED FORECASTS
NOAA\NWS MEDIUM RANGE FORECAST MODEL

★ 500 MB GEOPOTENTIAL HEIGHT (CONTOURED EVERY 60 METERS)

★ CLOSED LOW AND HIGH CENTERS

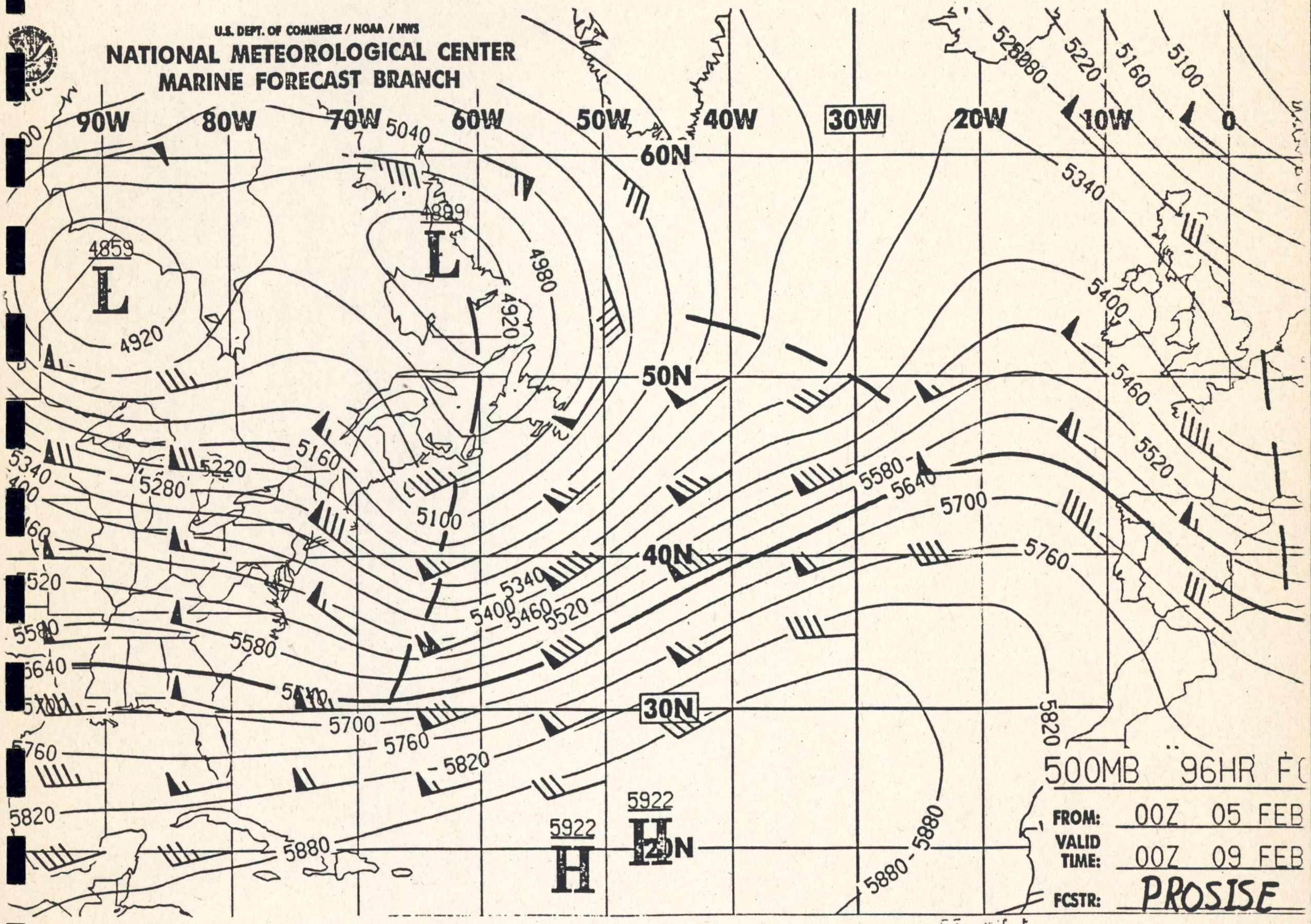
★ 500 MB TROUGH AXES (MANUALLY ADDED)

(USE IN CONJUNCTION WITH SURFACE FORECASTS)

U.S. DEPT. OF COMMERCE / NOAA / NWS

NATIONAL METEOROLOGICAL CENTER

MARINE FORECAST BRANCH

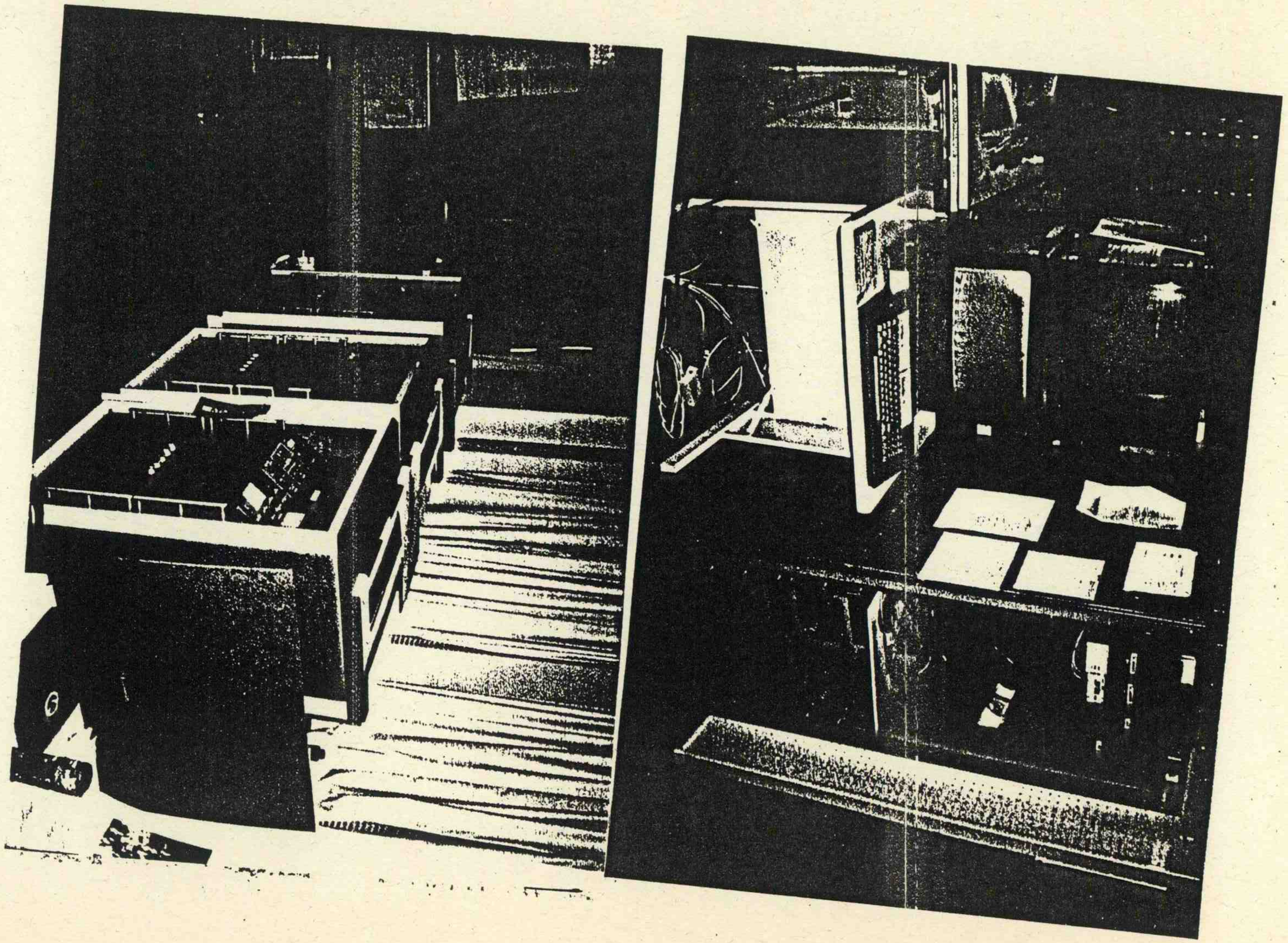


500MB 96HR FC

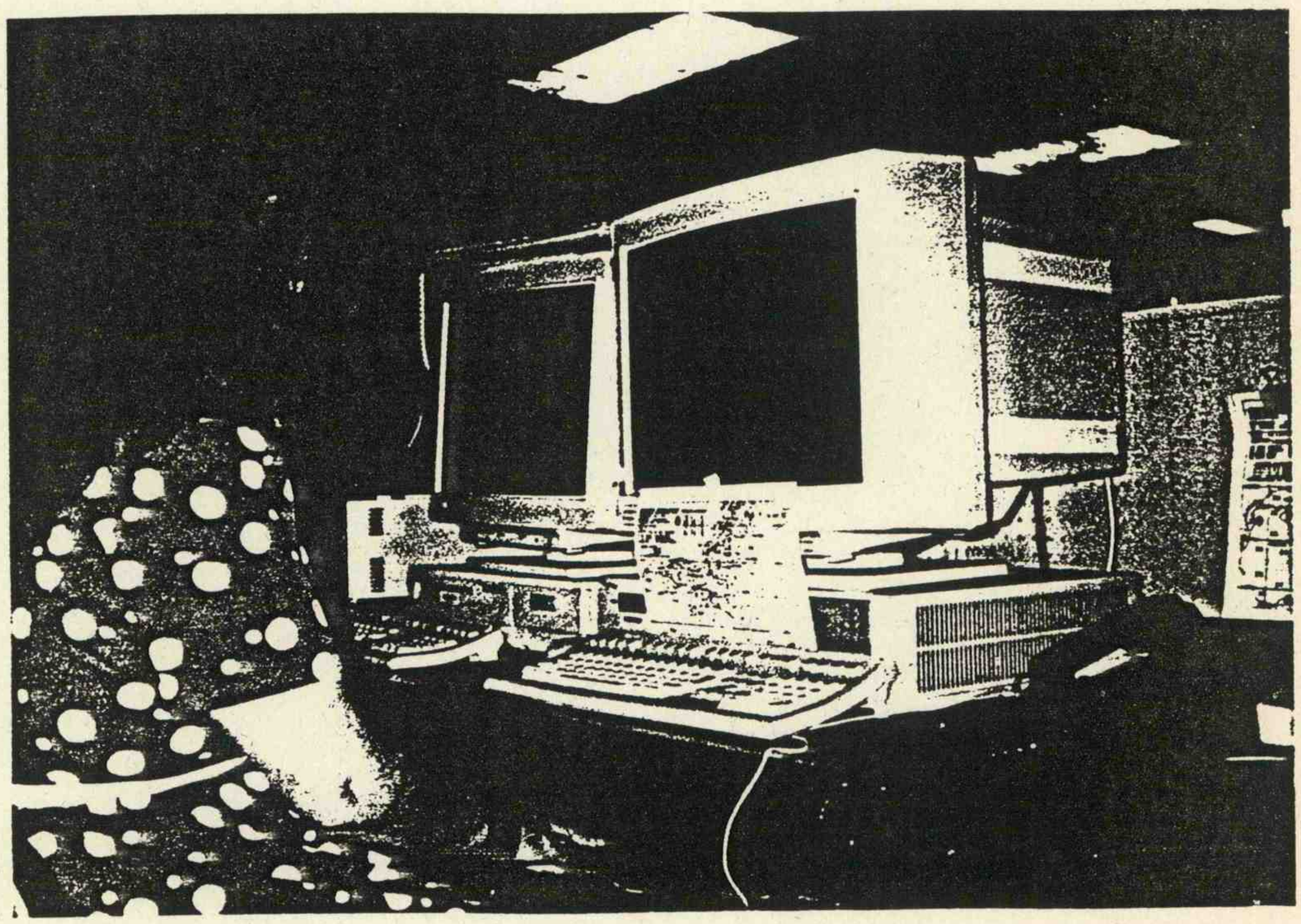
FROM: 00Z 05 FEB

VALID TIME: 00Z 09 FEB

FCSTR: PROSISE



OCEANOGRAPHIC ANALYSES



NOAA'S OCEANOGRAPHIC OPERATIONAL PRODUCTS ON THE ATLANTIC RADIOFAX

There are 11 oceanographic analysis products available on the Atlantic radiofax. The following is a description of each of these analyses and a transmission schedule.

Analysis 1 is the North Panel (NP) Ocean Features Analysis derived from the NOAA polar orbiting thermal infrared satellite imagery. It is produced three times per week from satellite image data that has a resolution of 1 - 5 km (1/2 - 2 1/2 nautical miles), and from in situ surface observations from buoys, ships, etc. This analysis covers the East Coast south of Cape Hatteras to 50N and east to 45W. It depicts the location of the Gulf Stream, clockwise circulating warm eddies, counterclockwise circulating cold eddies, continental shelf water, and continental slope water. Sea surface temperatures in degrees C are from satellite digital retrievals, ships, XBTs (eXpendable BathyThermographs), and buoys. There are 4 line types depicted in the analysis (solid, dashed, dot dashed, and dash dash dot) indicating the age of the thermal fronts and other oceanographic features.

Analysis 2 is the South Panel (SP) Ocean Features Analysis also derived from infrared satellite and in situ data. The analysis is produced on Tuesdays and Thursdays, and covers the area from the Gulf of Mexico, up the East Coast to Cape Hatteras, and out to 62W. The analysis shows the Loop Current and warm eddies in the Gulf of Mexico as well as the Gulf Stream and cold eddies along the Atlantic East Coast.

Enlarged geographic subsets of analysis 1 and 2 are also produced. The North Panel Enlargement (NPE) covers the area from near Cape Hatteras and east to 64W. It is available twice a week. The South Panel Enlargement (SPE) spans the area from the east coast of Florida and north to Cape Hatteras and then east to 70W. It is available once a week. These two analyses are numbers 3 and 4, respectively.

Analyses 5 - 7 are computer generated Sea Surface Temperature (SST) products (SST1, SST2, and SST3, respectively). The satellite data resolution from which the products are derived are 14 km (about 9 miles). These analyses are derived from only satellite data, using a composite of 8 days. Each isotherm, or line of equal SST, is indicated in degrees C. They are available once a week. Analysis 5 covers the area from Cape Hatteras to Cape Cod and east to 65W. The Atlantic area from northern Florida to Cape Hatteras and east to 67W is depicted in analysis 6. Analysis 7 includes the ocean area from Cuba and up the East Coast of Florida to 70W.

Analysis 8 is the Chesapeake Bay (CHB) surface isotherm chart that is interactively generated on a computer once a week. It is produced from one image of satellite thermal infrared data and available in situ observation data. The satellite image data from which the product is derived are 1.5 km resolution (less than one mile!) and covers the area in the Chesapeake Bay, Delaware Bay, and

Pamlico Sound, and the Atlantic Ocean out to approximately 100 miles offshore. This analysis is also referred as the coastal Mid Atlantic Sea Surface Temperature product.

Analysis 9 is the Experimental Feature Tracking (FT) product for the Beaufort, NC, area. Oceanic surface current vectors are derived from tracking surface thermal features over time. The location of the Gulf Stream is superimposed in dashed lines on the analysis. Current vector units are knots and cm/sec. This analysis is produced once a week.

Analysis 10 is the North Carolina to Maine (NC/ME) Ocean Features analysis with canyon location. The Hague Line (boundary between the U.S. and Canadian waters) is indicated by a thickened slashed line. This analysis is produced once a week.

Analysis 11 is the broad Ocean Features Analysis (BROAD) showing major ocean thermal boundaries of the Gulf Stream, Warm Eddies, Cold Eddies, and Labrador Current. It is updated 2 times per week.

Three analyses are currently transmitted each day on radiofax, according to the following schedule. The analysis numbers are shown in parentheses.

Coordinated Universal Time (UTC)

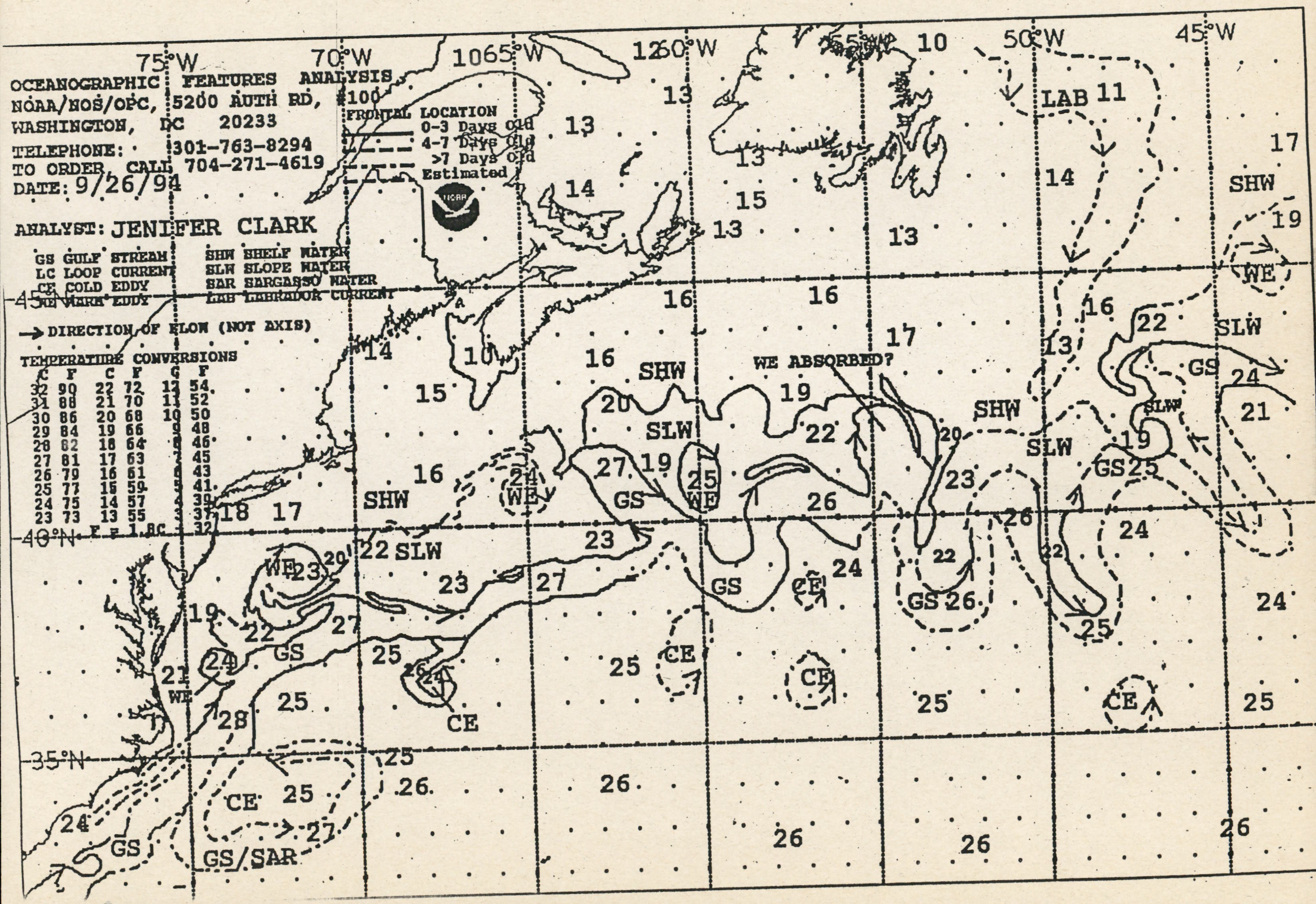
Time	Day						
	MON	TUES	WED	THURS	FRI	SAT	SUN
1006 UTC	NC/ME (10)	NPE (3)	SPE (4)	NPE (3)	CHB (8)	FT (9)	BROAD (11)
1016 UTC	BROAD (11)	BROAD (11)	SST1 (5)	SST2 (6)	SST3 (7)	NC/ME (10)	NC/ME (10)
1946 UTC	NP (1)	SP (2)	NP (1)	SP (2)	NP (1)	NP (1)	NP (1)

FREQUENCIES: 12750 KHZ (NIGHT) (updated August 9)
6340.5 KHZ (DAY)

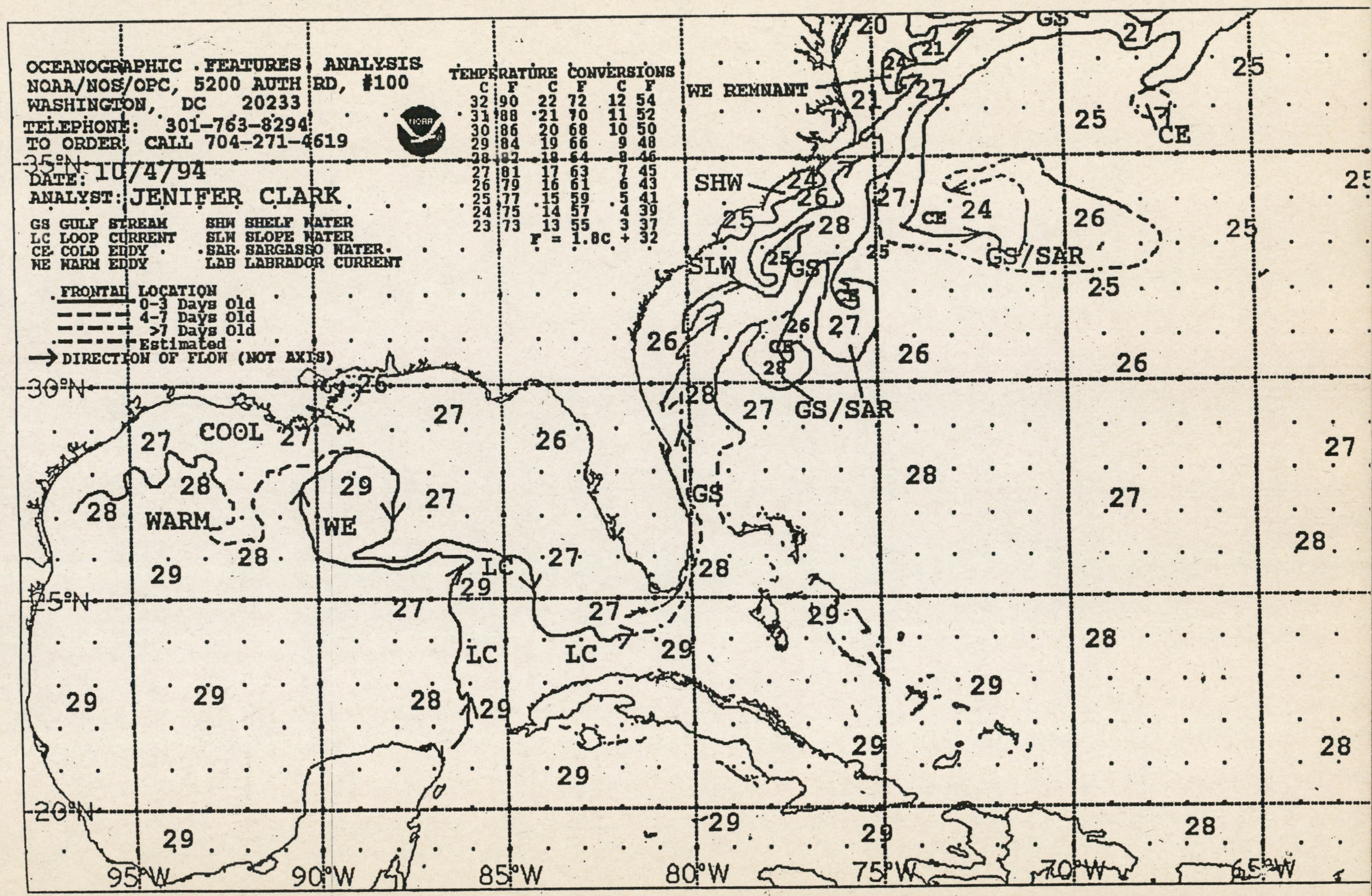
Attachments

Jenifer Clark
October 16, 1994

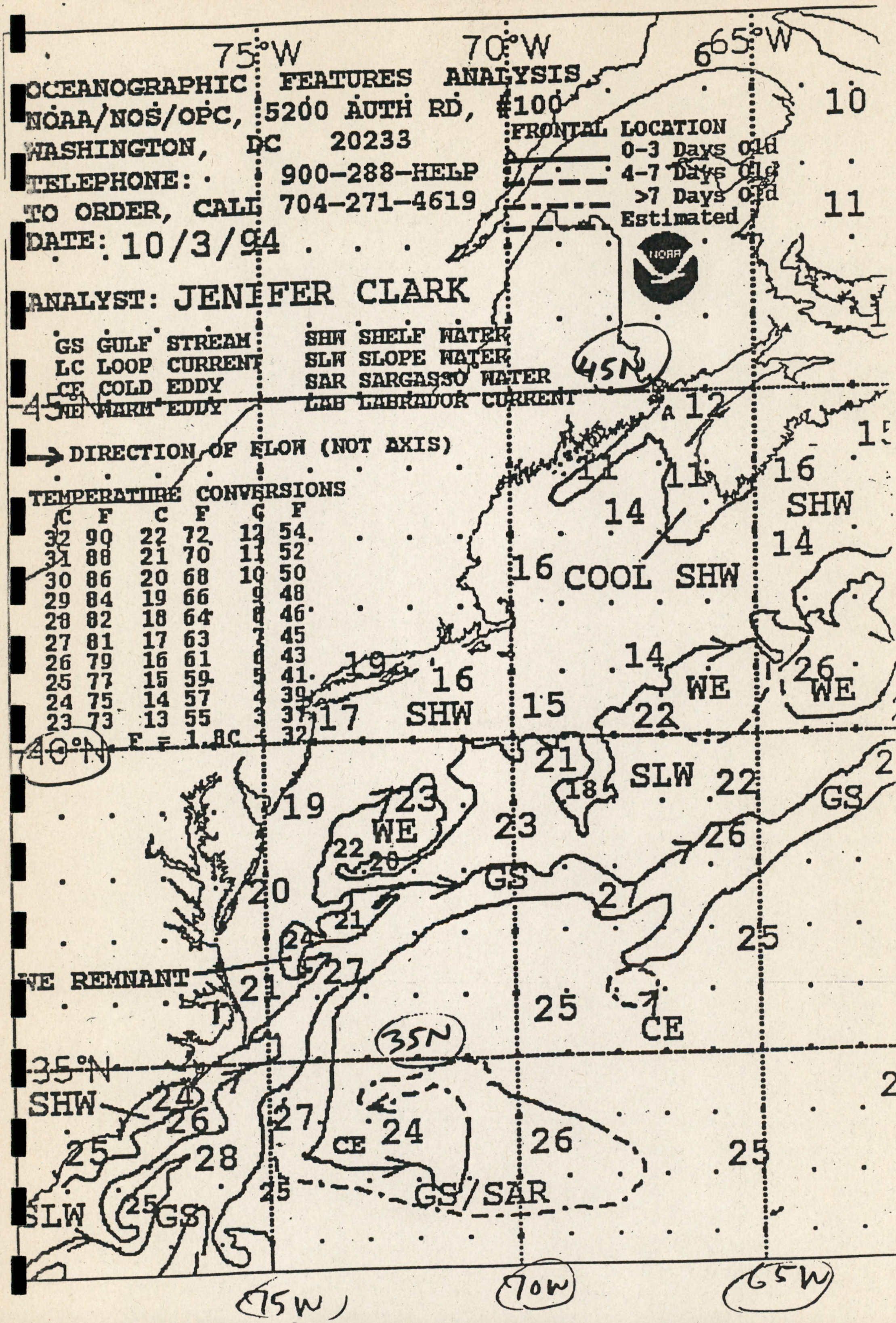
1. North Panel Ocean Features Analysis 1946Z on Monday, Wednesday, & Friday - Sunday



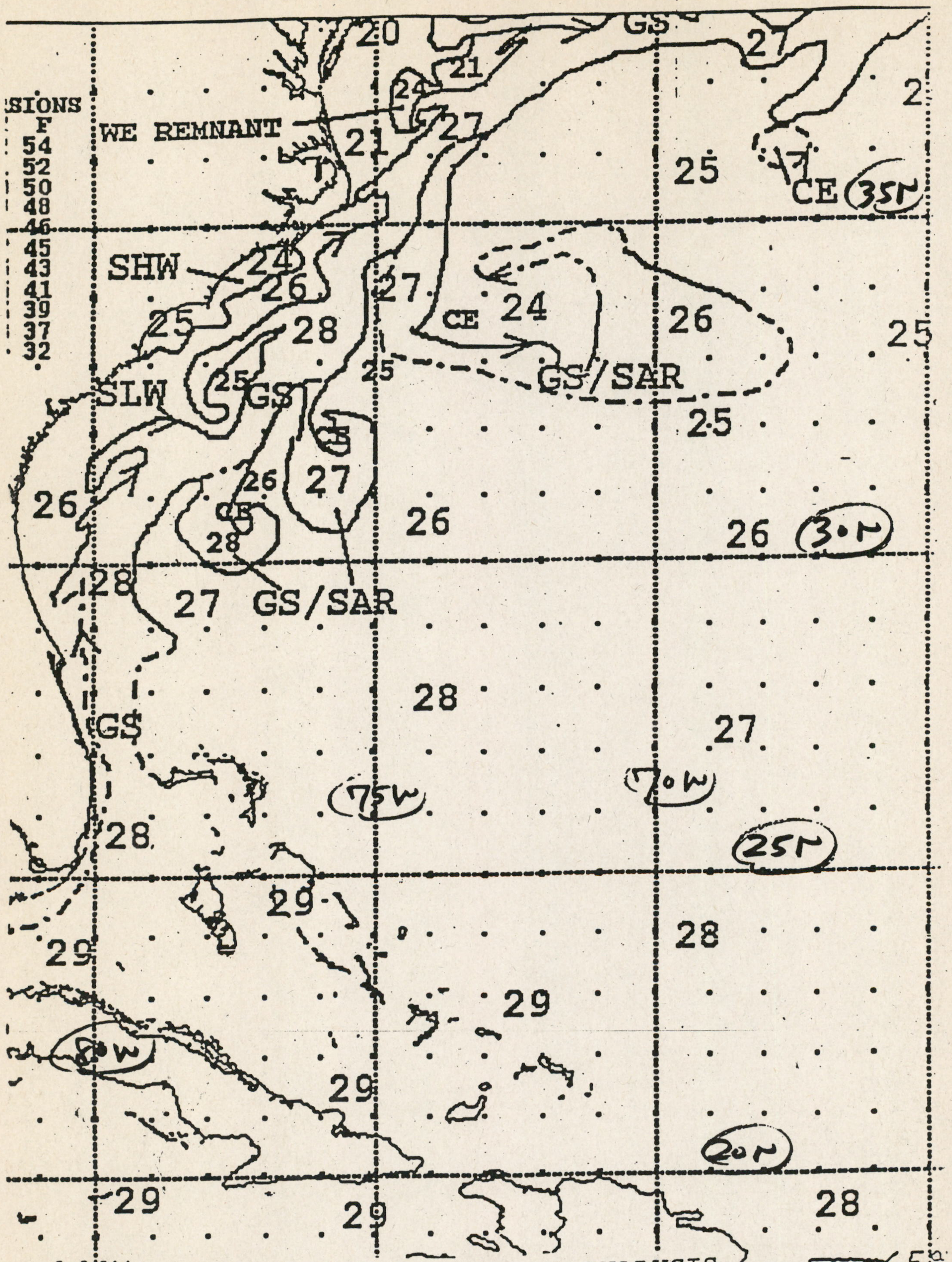
2. South Panel Ocean Features Analysis 1946Z on Tuesdays & Thursdays



3. North Panel Enlargement 10062 on Tuesdays & Thursdays

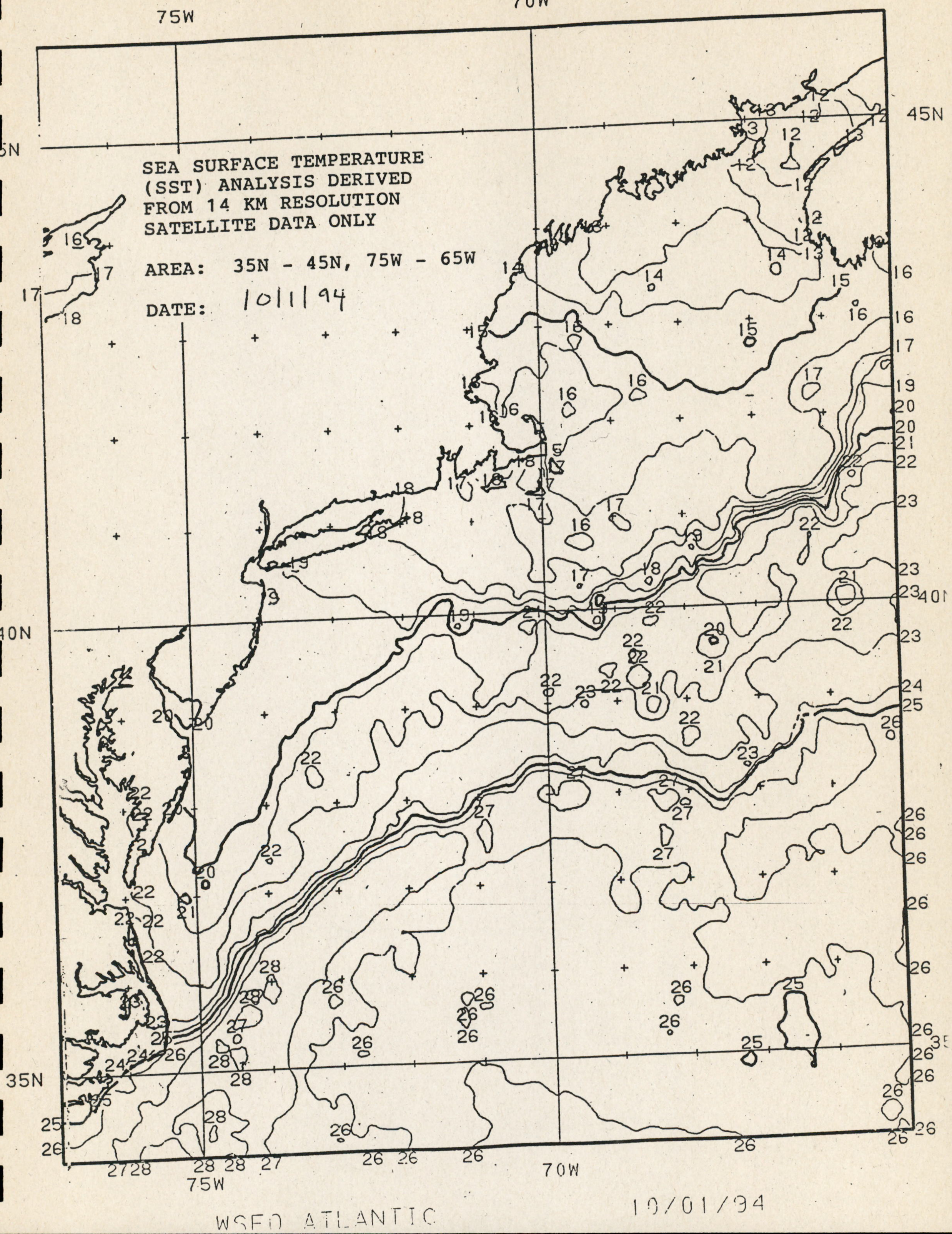


. 4. South Panel Enlargement 1006Z on Wednesdays



OCEANOGRAPHIC FEATURES ANALYSIS
ENLARGEMENT
NOAA/NOS/OPC
ANALYST: Jennifer Clark

5. Multi-channel Sea Surface Temperature Analysis 1016Z on Wednesdays



WSFO ATLANTIC

10/01/94

80W 75W 70W

35N

SEA SURFACE TEMPERATURE
(SST) ANALYSIS DERIVED
FROM 14 KM RESOLUTION
SATELLITE DATA ONLY

AREA: 30N - 40N, 82W - 67W

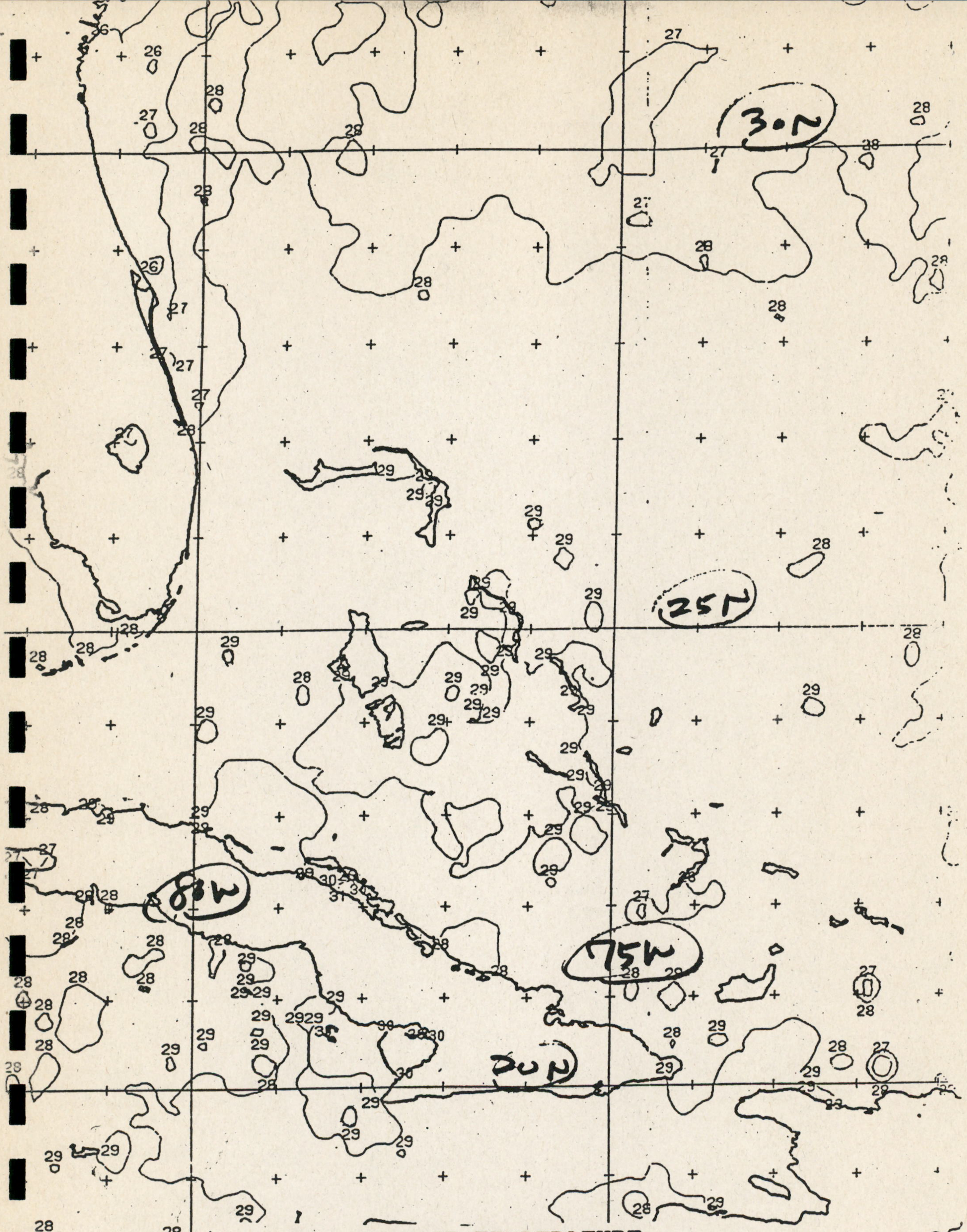
DATE: 10/11/94

35N

80W 75W 70W

10/01/94

Marel-Channel Sea Surface Temperature Analysis 1516Z on Thursdays



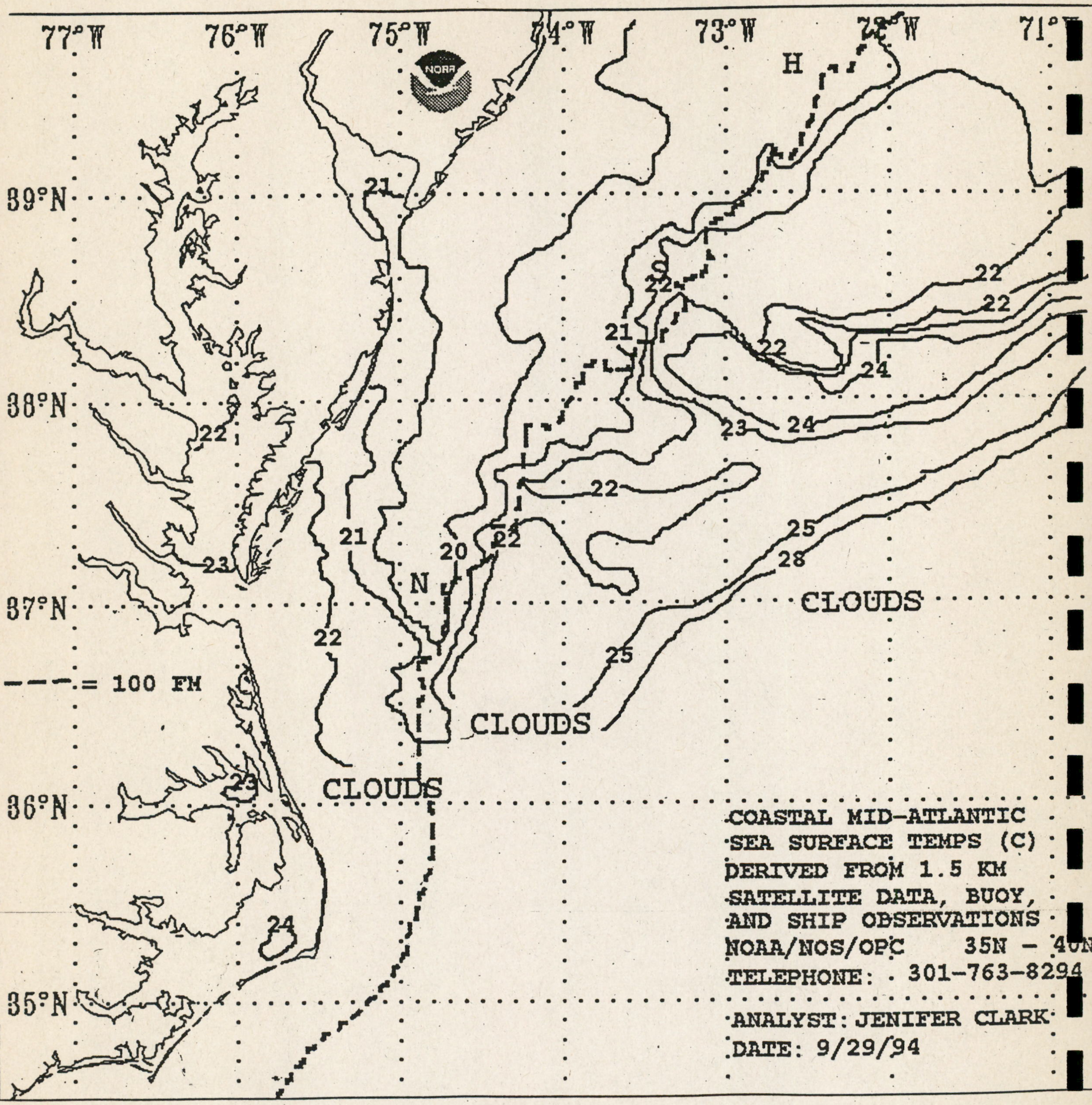
SEA SURFACE TEMPERATURE
(SST) ANALYSIS DERIVED
FROM 14 KM RESOLUTION
SATELLITE DATA ONLY

AREA: 18N - 32N, 82W - 70W

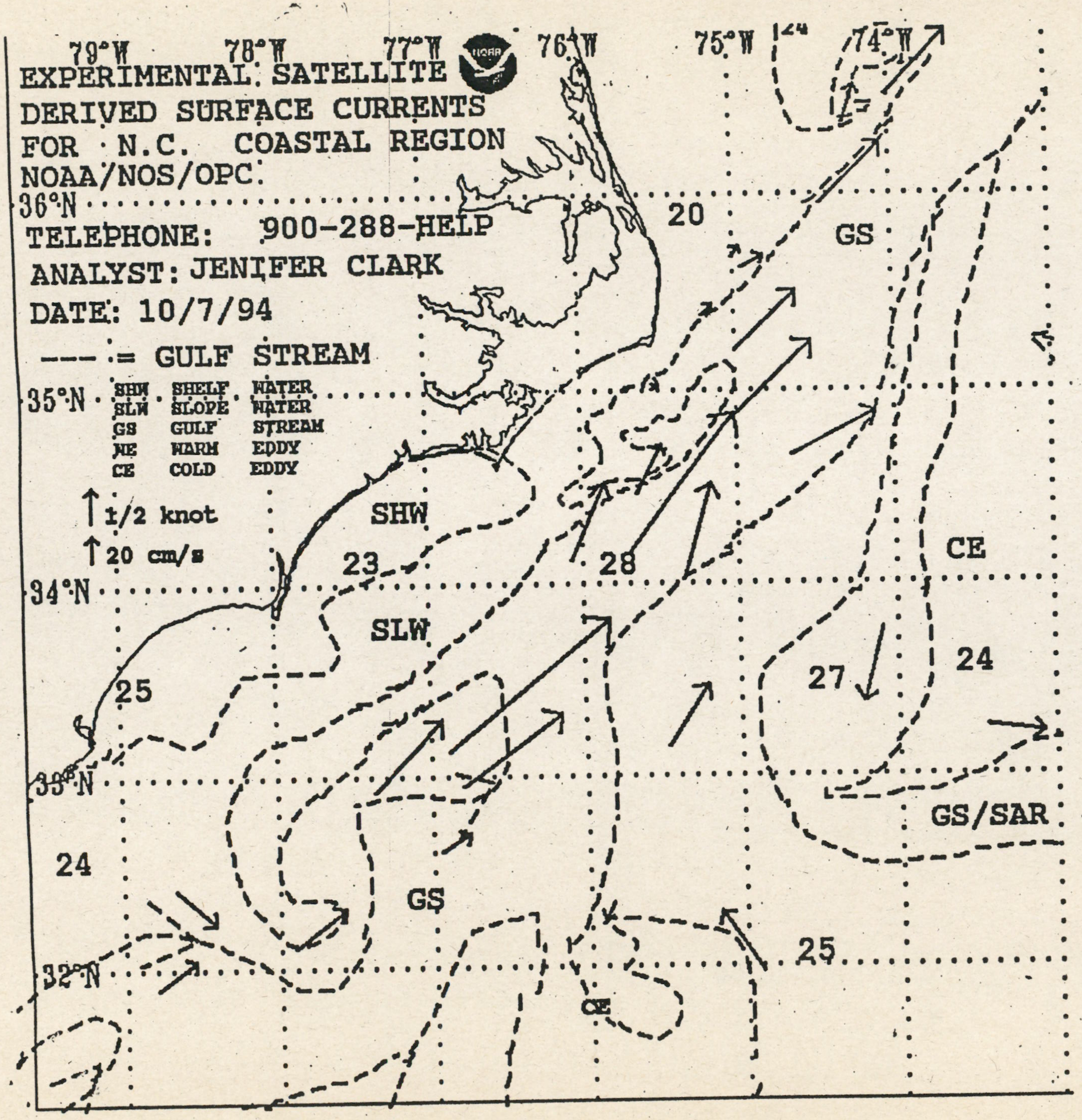
DATE: 10/6/94

7 Multi-Channel Sea Surface Temperature Analysis 1016Z on Fridays

8. Coastal Mid-Atlantic Sea Surface Temperature Analysis 1006Z on Fridays



9. Feature Tracking Analysis of Velocity Vectors near Beaufort, NC 1006Z on Saturdays



OCEANOGRAPHIC FEATURES ANALYSIS
ENLARGEMENT FOR NC to MAINE
NOAA/NOS/OPC
TELEPHONE: 900-288-HELP
ANALYST: JENIFER CLARK

DATE: 10/7/94

N, S, H, etc = CANYONS

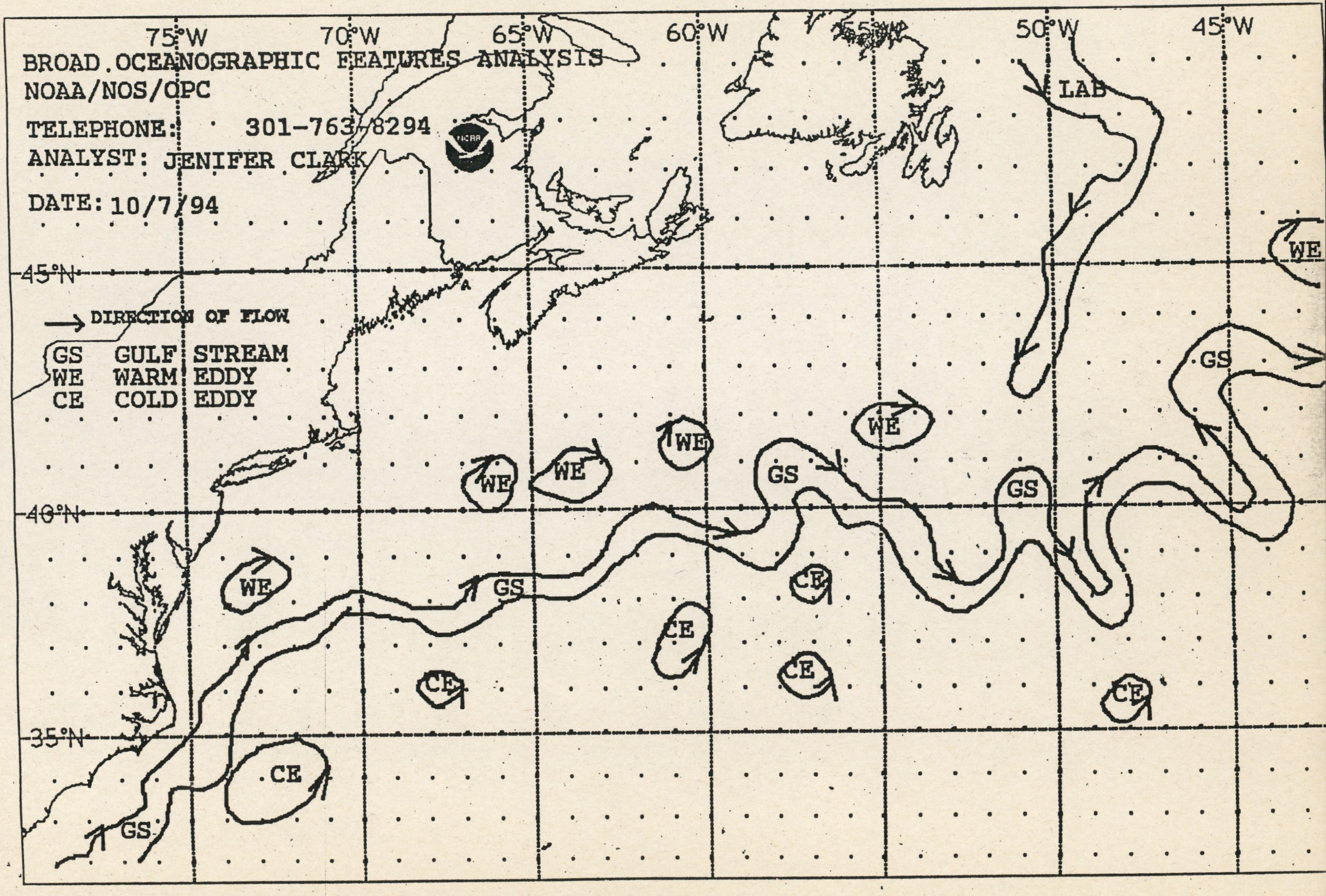
GS GULF STREAM
WE WARM EDDY
CE COLD EDDY
SHW SHELF WATER
SLW SLOPE WATER

SURFACE TEMPS
F = 1.8C + 32

##=HAGUE LINE

75°W 70°W 65°W
44°N 42°N 40°N 38°N 36°N 35°N 34°N

11. Broad Ocean Features Analysis 1006Z on Sundays & 1016Z on Mondays and Tuesdays



NORTH PACIFIC RADIOFACSIMILE SCHEDULE

&

CHARTS

USCG/NMC

8682 kHz

12730 kHz

17151.2 kHz

22528.9 kHz (DAY)

4346 kHz (NIGHT)

UNITED STATES COAST GUARD
NATIONAL WEATHER SERVICE
MARINE RADIOFACSIMILE SCHEDULE
NMC - USCG POINT REYES, CA
4346 (NIGHT), 8682, 12730, 17151.2, 22528.9 (DAY) kHz

TIME(UTC)	PRODUCT		VALID TIME
------/1415	TEST PATTERN		
------/1418	96 HR 500 MB FCST		0000
------/1428	96 HR SURFACE FCST		0000
------/1438	SATELLITE IMAGERY	(AREA 5)	LATEST
0245/------	TEST PATTERN		
0248/------	SATELLITE IMAGE	(AREA 7)	LATEST
------/1449	SATELLITE IMAGE	(AREA 9)	LATEST
0259/------	SATELLITE IMAGE	(AREA 5)	LATEST
------/1500	SEA SURFACE TEMP ANAL	(AREA 5,10)	1200
0310/1510	SURFACE ANALYSIS	(E PAC)	0000/1200
0323/1523	SURFACE ANALYSIS	(W PAC)	0000/1200
0335/------	SEA STATE ANAL (METERS)		0000
------/1535	TROPICAL ANALYSIS	(AREA 4)	1200
0345/1545	SURFACE ANALYSIS	(E PAC)	0000/1200
0358/1558	SURFACE ANALYSIS	(W PAC)	0000/1200
0410/1610	500 MB ANALYSIS		0000
0815/2015	TEST PATTERN (START OF BROADCAST)		
0818/2018	24 HR WIND/WAVE	(AREA 8)	0000/1200
0828/2028	24 HR SURFACE FORECAST	(AREA 8)	0000/1200
0838/2038	48 HR 500 MB FORECAST		0000/1200
0848/2048	48 HR SURFACEFORECAST		0000/1200
0858/2058	48 HR SEA STATE FORECAST		0000/1200
0908/2108	SATELLITE IMAGE	(AREA 7,5)	0600/1800
0919/2119	SURFACE ANALYSIS	(E PAC)	0600/1800
0932/2132	SURFACE ANALYSIS	(W PAC)	0600/1800
0944/------	SATELLITE IMAGERY	(AREA 5)	0600
------/2144	TROPICAL ANALYSIS	(AREA 4)	1800
0955/2154	SURFACE ANALYSIS	(E PAC)	0600/1800
1008/2207	SURFACE ANALYSIS	(W PAC)	0600/1800

1100/2300	TEST PATTERN		
1104/------	FAX SCHEDULE (PART 1)		
------/2304	SST ANALYSIS	(AREA 9)	
------/2314	SST ANALYSIS	(AREA 6)	
1115/------	FAX SCHEDULE (PART 2)		
------/2324	FAX SCHEDULE (PART 1)		
1126/------	REQUEST FOR COMMENTS		
------/2335	FAX SCHEDULE (PART 2)		
1137/------	PRODUCT NOTICE BULLETIN		
1148/------	E PAC SST ANALYSIS	(AREAS 6,12)	LATEST
1158/------	E PAC SST ANALYSIS	(AREAS 9,11)	LATEST

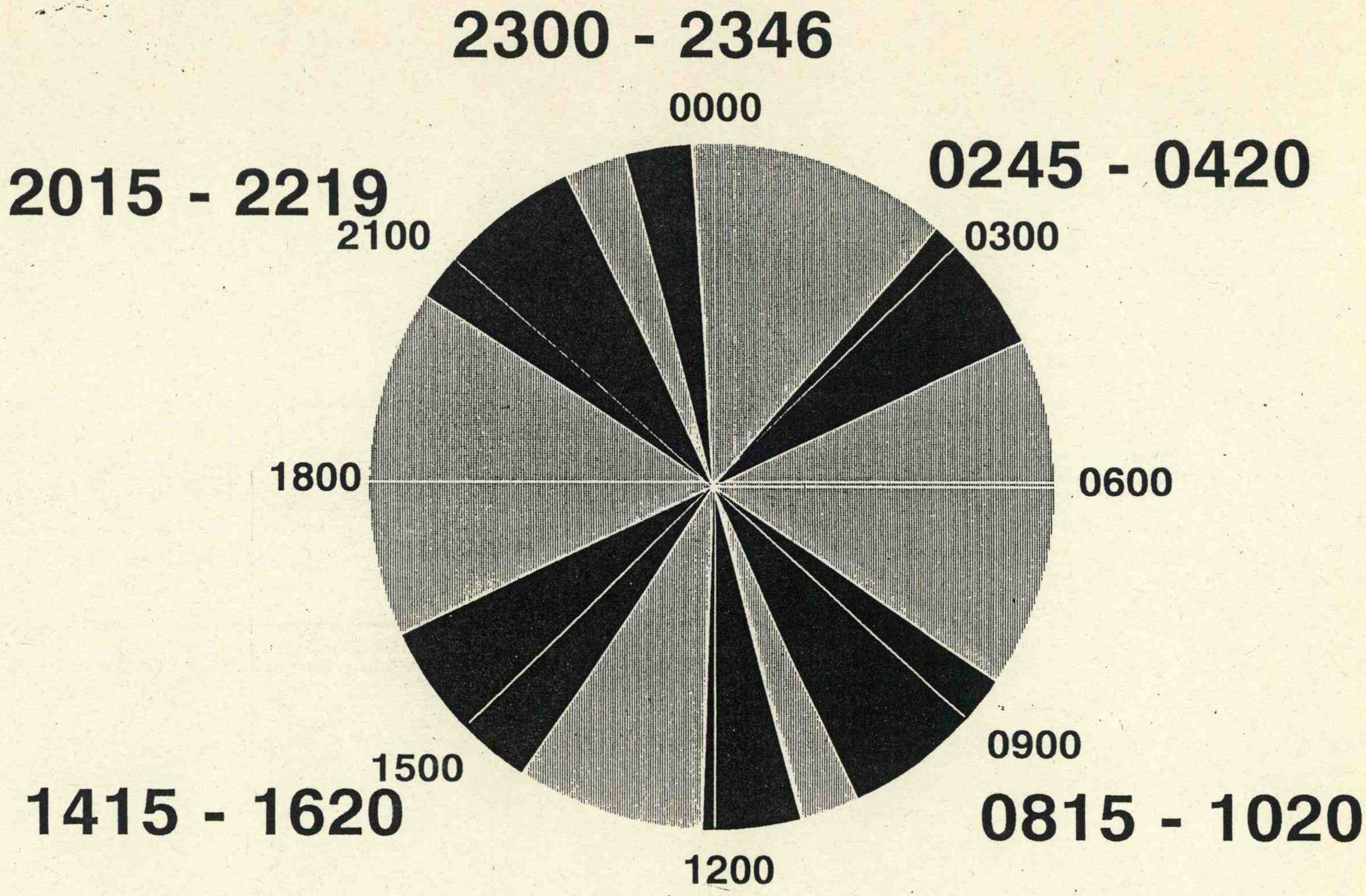
AREAS:
4 - (20S - 30N , E OF 160W)
5 - (05N - 60N, W OF 100W)
6 - (23N - 42N, E OF 136W)
7 - (05N - 55N, E OF 130W)
8 - (25N - 60N, E OF 155W)
9 - (40N - 53N, E OF 136W)
10 - (20S - 50N, E OF 180)
11 - (15N - 60N, 100W - 145W)
12 - (15N - 60N, 145W - 170E)

COMMENTS ON SCHEDULE OR QUALITY OF CHARTS ARE INVITED.
WRITE TO:

NATIONAL WEATHER SERVICE
WWBG/ ROOM 410
5200 AUTH ROAD
WASHINGTON, DC 20233

OR CALL: 301-763-8441 (8442)
OR FAX: 301-899-8903
email: dfeit@smtpgate.ssmc.noaa.gov

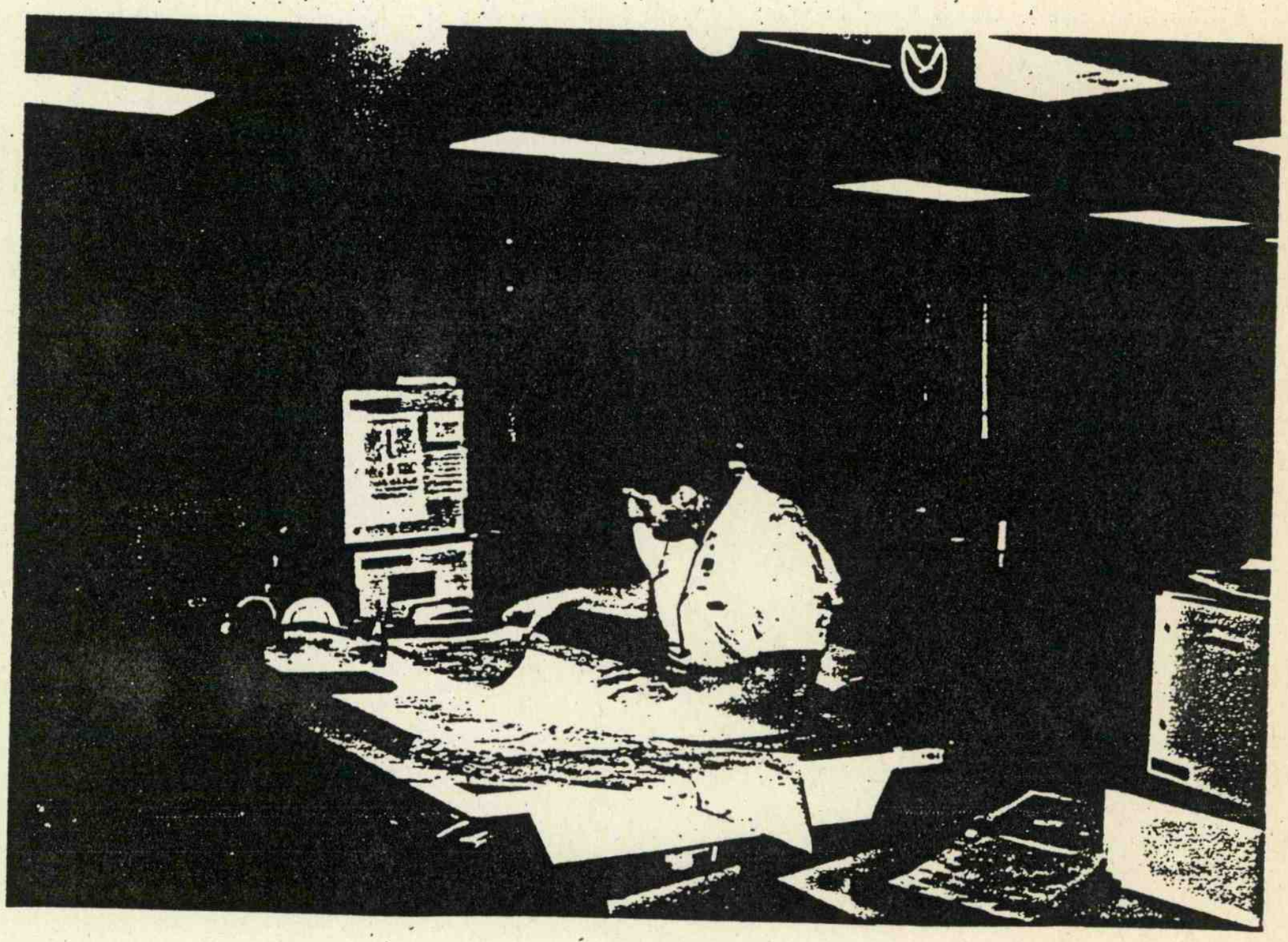
PACIFIC RADIOFACSIMILE SCHEDULE



24 HOUR CLOCK - ALL TIMES UTC

33 CHARTS & 7 SATELLITE PICTURES - DAILY

WEATHER ANALYSIS PRODUCTS



EASTERN PACIFIC SURFACE ANALYSES

4 PER DAY

VALID	BROADCAST	REBROADCAST
0000Z -	0310Z	(0345Z)
0600Z -	0919Z	(0955Z)
1200Z -	1510Z	(1545Z)
1800Z -	2119Z	(2154Z)

★ MANUALLY INTERPOLATED ISOBARIC ANALYSES (4 MB)

★ FRONTS

★ HIGH AND LOW PRESSURE CENTERS

★ 24 HOUR FORECAST TRACKS OF PRESSURE CENTERS

★ WARNING CATEGORIES

★ SHIP OBSERVATIONS

SFC ANALYSIS

FROM: 18 SEP 94

VALID TIME: 1200Z

FCSTR: SIENKIEWIC

60N

50N

30N

150W

140W

H 10Z

994

987

L

991

L

92

96

00

04

08

12

88

DISSIPATE

1005

L

1025

H

43

28

238

136

185

220

180

24

20

16

12

196

183

150

140

157

128

138

TROF

U.S. "MIRIAM"
16.6N 126.8W 18/1200 UTC
MAX WINDS 40 KT G 50 KT
MOV 290 DEG 12 KT

WESTERN PACIFIC SURFACE ANALYSES

4 PER DAY

VALID	BROADCAST	REBROADCAST
0000Z -	0323Z	(0358Z)
0600Z -	0932Z	(1008Z)
1200Z -	1523Z	(1558Z)
1800Z -	2132Z	(2207Z)

★ MANUALLY INTERPOLATED ISOBARIC ANALYSES (4 MB)

★ FRONTS

★ HIGH AND LOW CENTERS

★ 24 HOUR FORECAST TRACKS OF PRESSURE CENTERS

★ WARNING CATEGORIES

★ SHIP OBSERVATIONS

MARINE FORECAST BRANCH

SFC ANALYSIS

ON: 18 SEP 94

LID
ME: 1200Z

TR: SIENKIEWICZ

60N

30N

160E

170E

180

170W

963

1006

1018

TROF

H

L

S. "NAT"
22.6N 156.0E 18/1200 UTC
AX WINDS 40 KT G 50 KT
OV 350 DEG 09 KT

EASTERN PACIFIC TROPICAL ANALYSIS

2 PER DAY

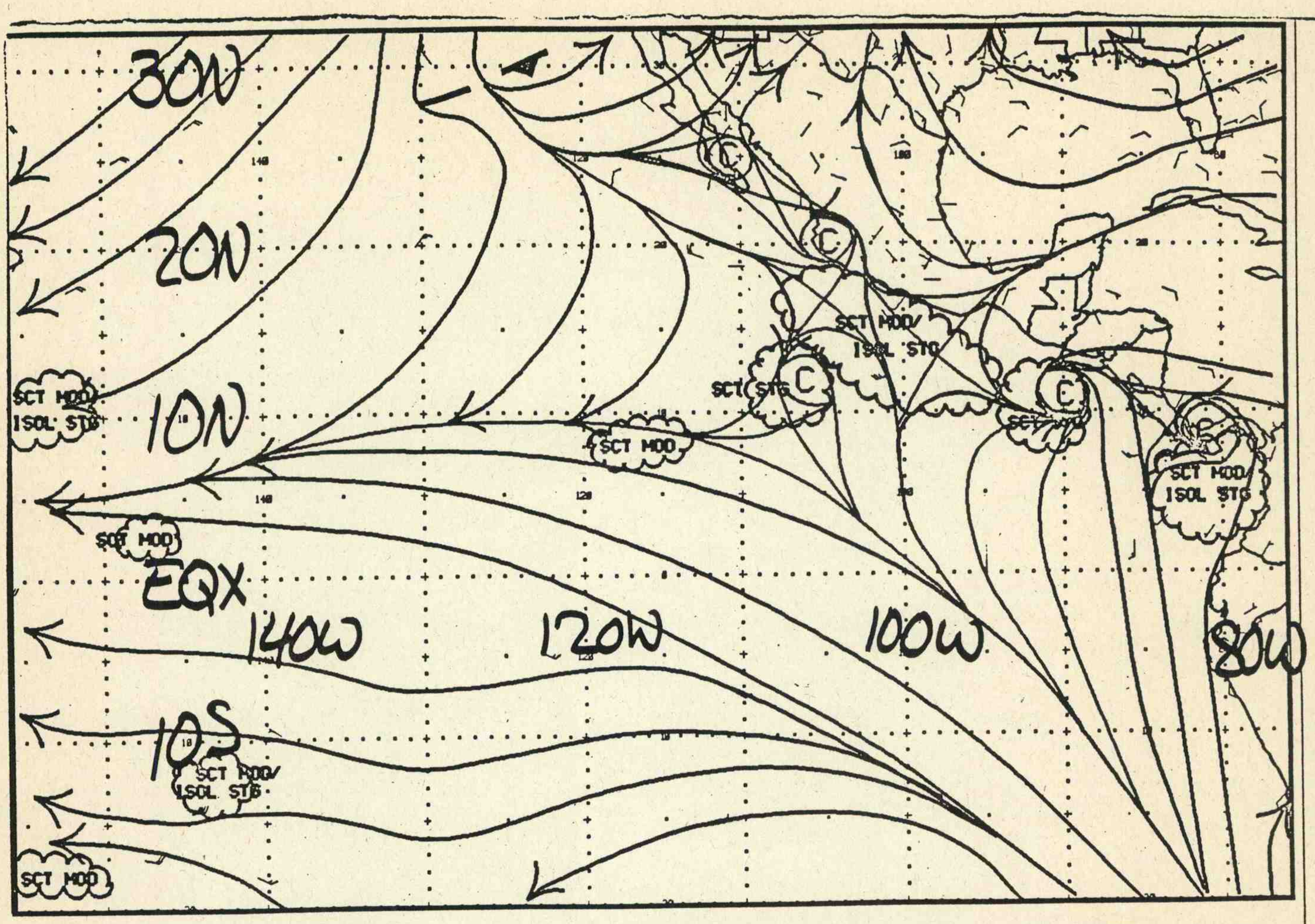
1200Z - 1535Z

1800Z - 2144Z

* STREAMLINE ANALYSIS

* SIGNIFICANT AREAS OF THUNDERSTORMS

* TROPICAL CYCLONES



EAST PACIFIC
SURFACE ANALYSIS

VALID: 18Z JUN 15 1995

ANALYST:

TROPICAL PREDICTION CENTER / TAFB
NATIONAL HURRICANE CENTER
MIAMI, FLORIDA 33146-2976
305-665-4707

SEA STATE ANALYSIS

1 PER DAY

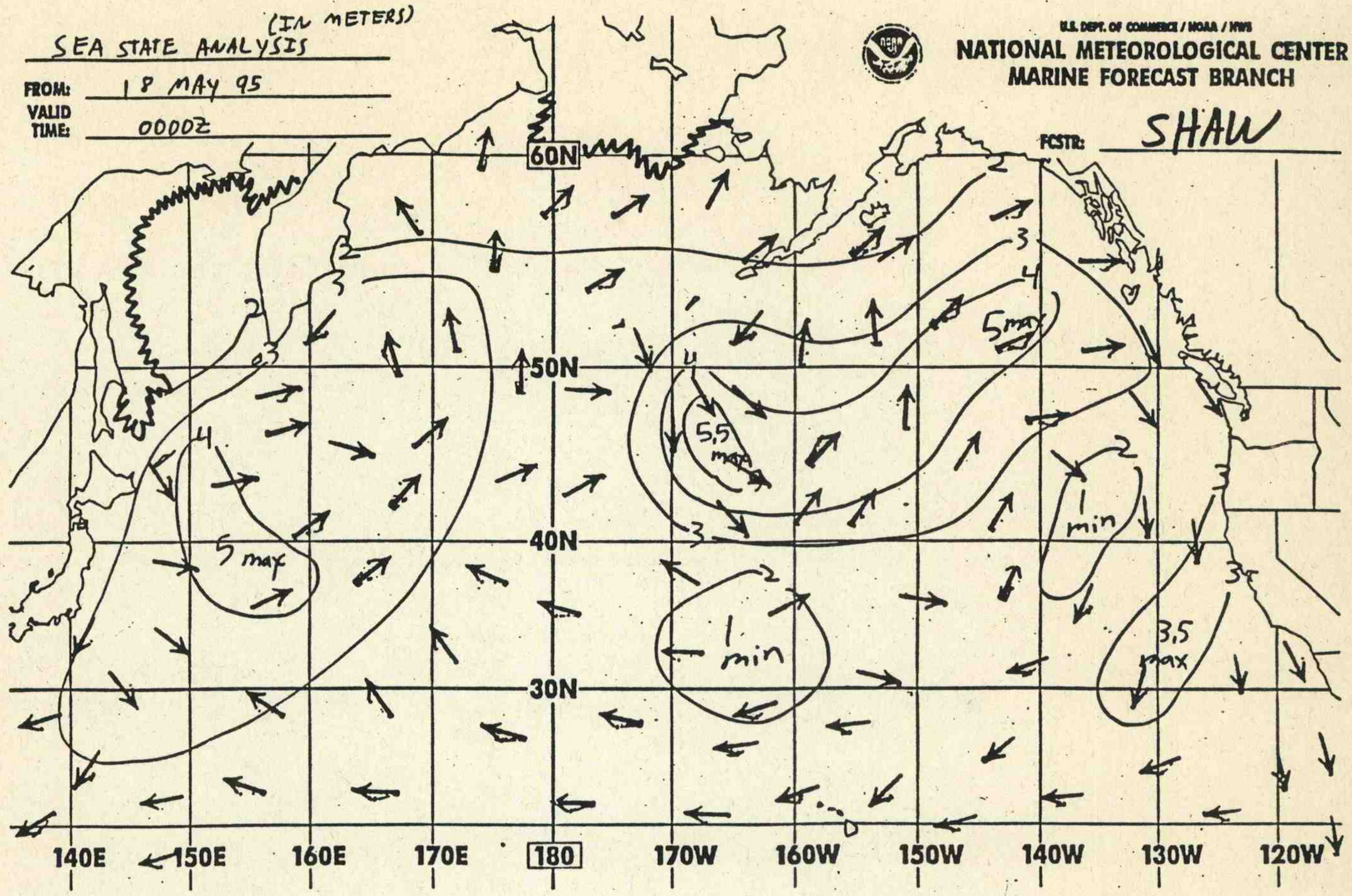
VALID	BROADCAST
0000Z -	0335Z

★ SIGNIFICANT WAVE HEIGHT ANALYSIS
(combined wind wave and swell)

★ CONTOURED EVERY METER

★ SIGNIFICANT SWELL DIRECTION

★ MANUAL INTERPOLATION OF SHIP AND BUOY OBSERVATIONS AND NUMERICAL FORECAST GUIDANCE



SEA STATE ANALYSIS(METERS)

500 MILLIBAR ANALYSES

2 PER DAY

VALID		BROADCAST
0000Z	-	0410Z
1200Z	-	1610Z

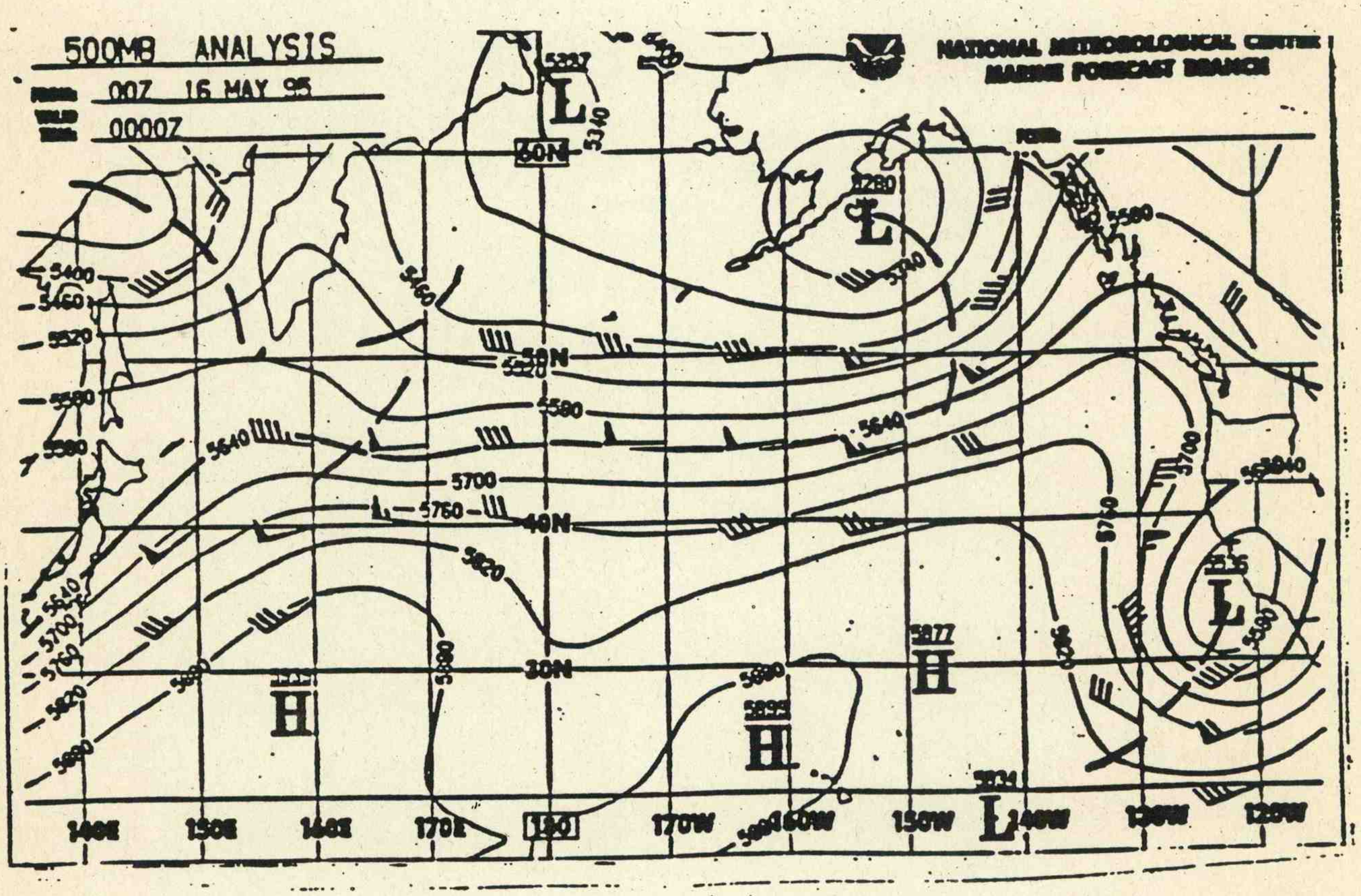
★ COMPUTER GENERATED ANALYSIS

★ 500 MB GEOPOTENTIAL HEIGHT (CONTOURED EVERY 60 METERS)

★ CLOSED LOW AND HIGH CENTERS

★ 500 MB TROUGH AXES (MANUALLY ADDED)

(USE IN CONJUNCTION WITH SURFACE ANALYSES)

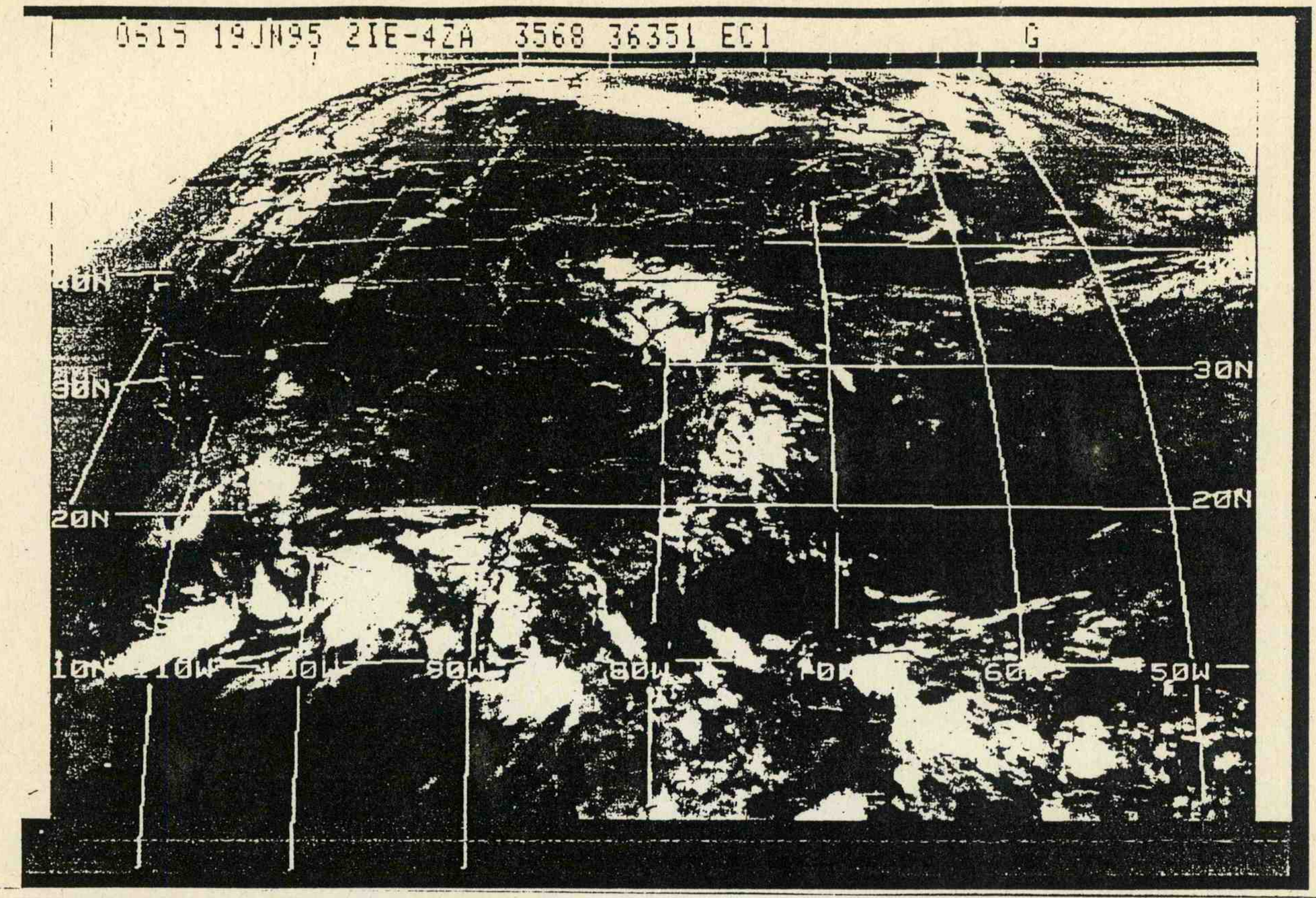

500MB ANALYSIS
007 16 MAY 95
00007
NATIONAL METEOROLOGICAL CENTER
MARINE FORECAST BRANCH
60N
50N
40N
30N
140E
150E
160E
170E
180
170W
160W
150W
140W
130W
120W
5460
5520
5580
5640
5700
5760
5820
5880
5340
5400

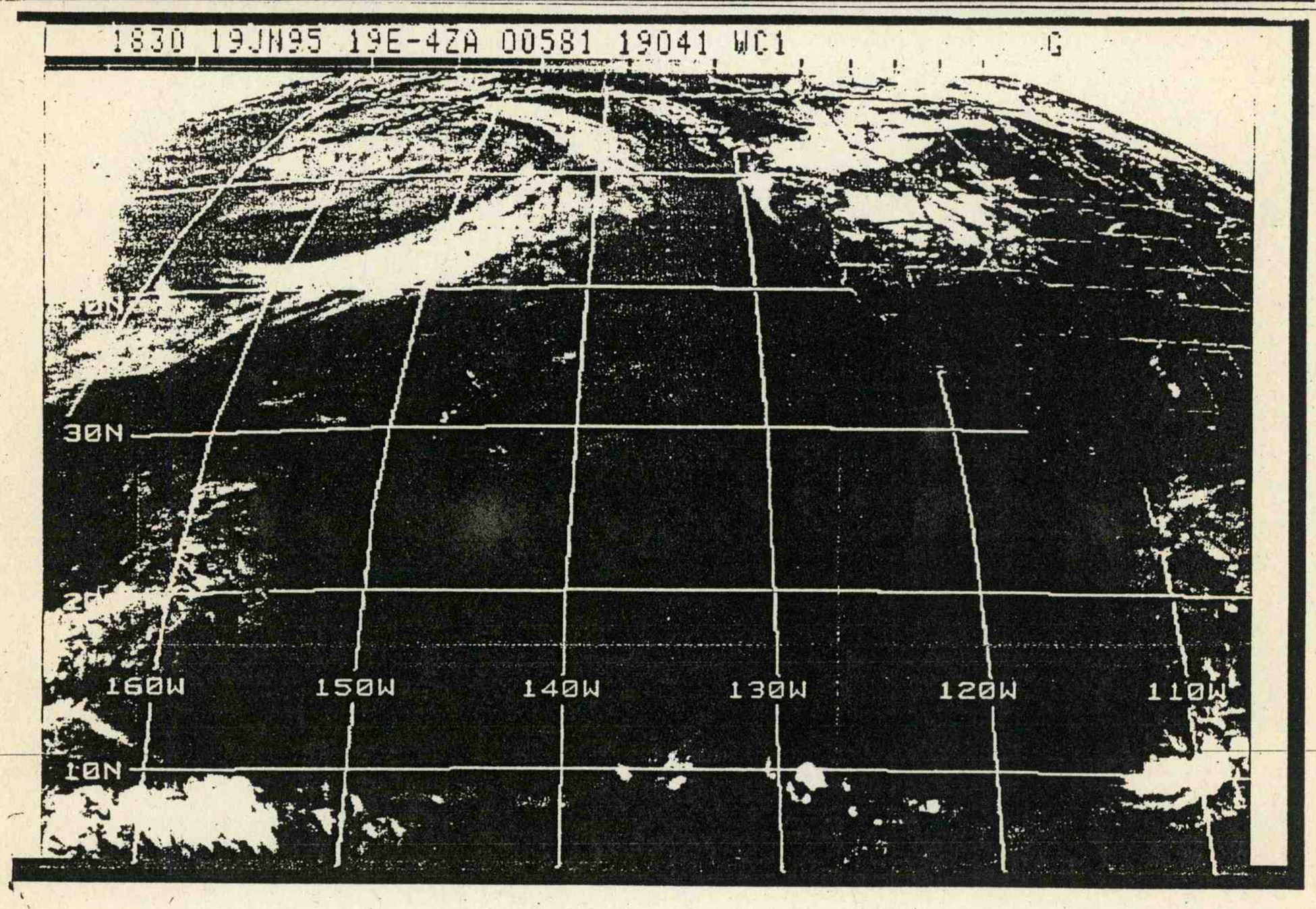
SATELLITE IMAGERY

7 PER DAY

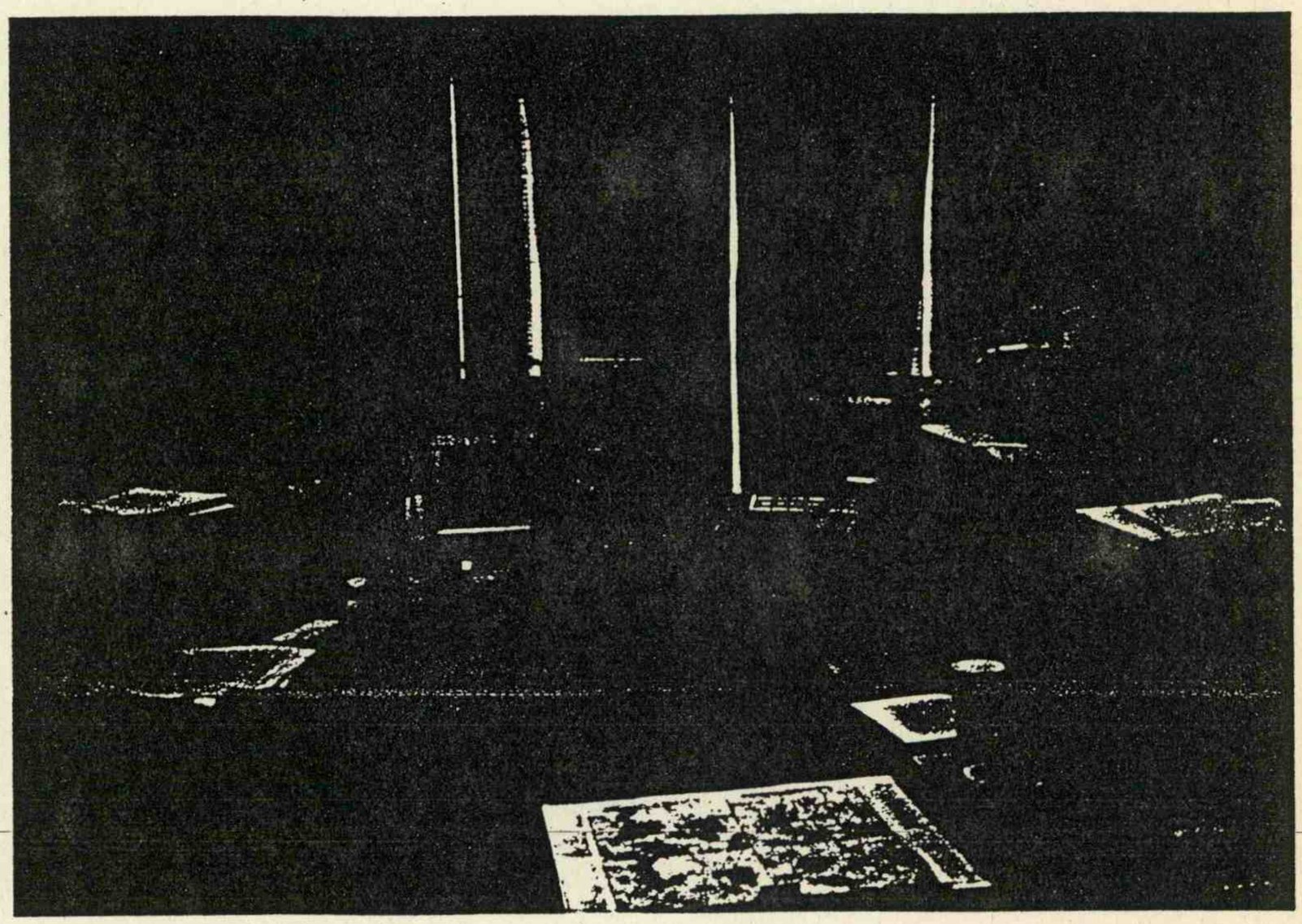
VALID		BROADCAST		
0000Z	-	0248Z	-	0259Z
0600Z	-	0908Z	-	0944Z
1200Z	-	1438Z	-	1449Z
1800Z	-	2108Z		

★ GOES - 7 VISIBLE AND INFRARED IMAGERY


0515 19JN95 2IE-4ZA 3568 36351 EC1 G
30N
20N
10N
110W
100W
90W
80W
70
60
50W


1830 19JN95 19E-4ZA 00581 19041 WC1 G
30N
20
160W
150W
140W
130W
120W
110W
10N

WEATHER FORECAST PRODUCTS



24 HOUR SURFACE FORECASTS

2 PER DAY

VALID	BROADCAST
0000Z -	0828Z
1200Z -	2028Z

★ MANUALLY INTERPOLATED FORECASTS OF SURFACE PRESSURE (4 MB SPACING)

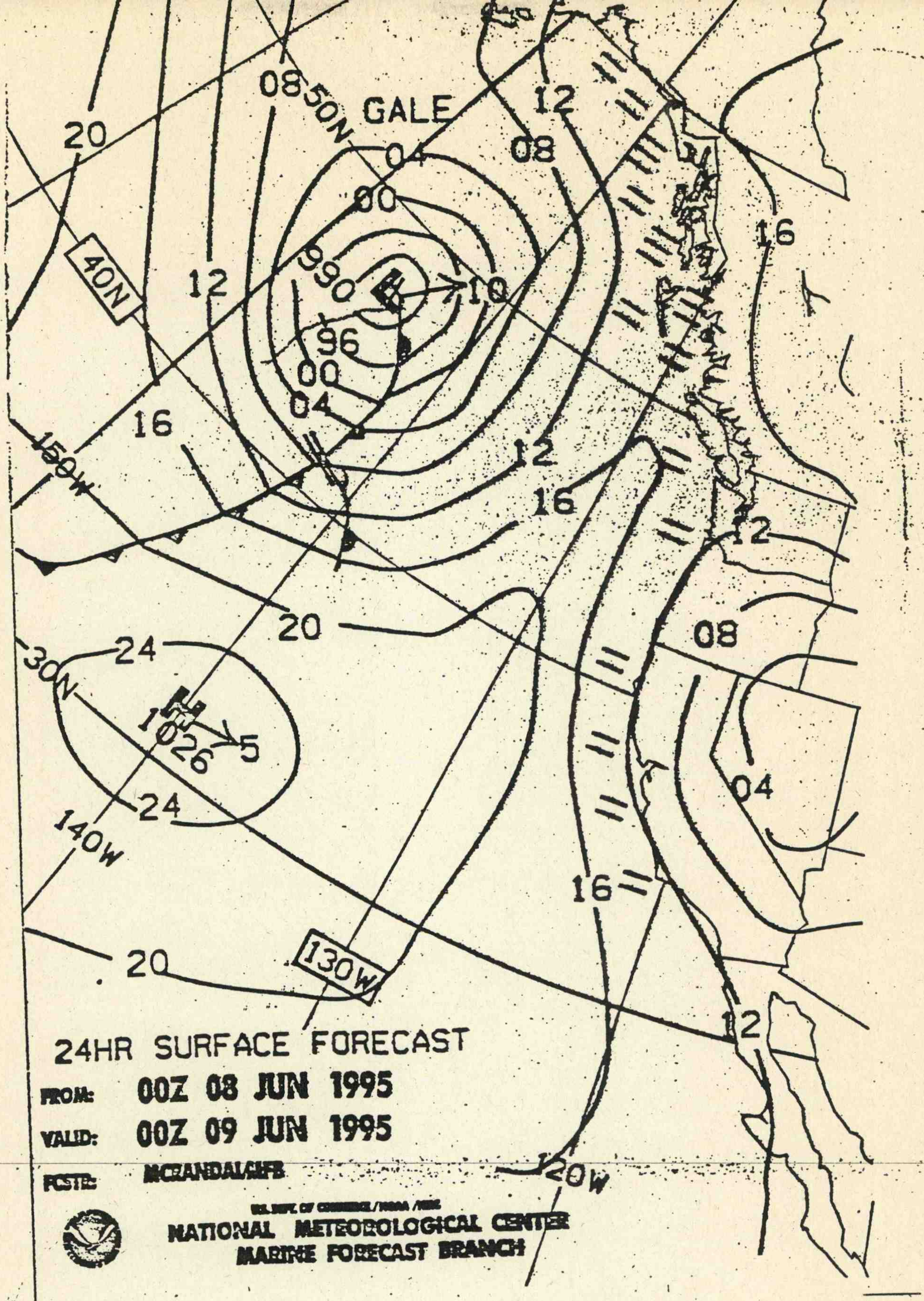
★ FRONTS

★ HIGH AND LOW PRESSURE CENTERS

★ FORECAST DIRECTION AND SPEED OF MOTION OF PRESSURE CENTERS

★ WARNING CATEGORIES

★ EASTERN NORTH PACIFIC



24 HR SURFACE FORECAST

24 HOUR WIND/WAVE FORECASTS

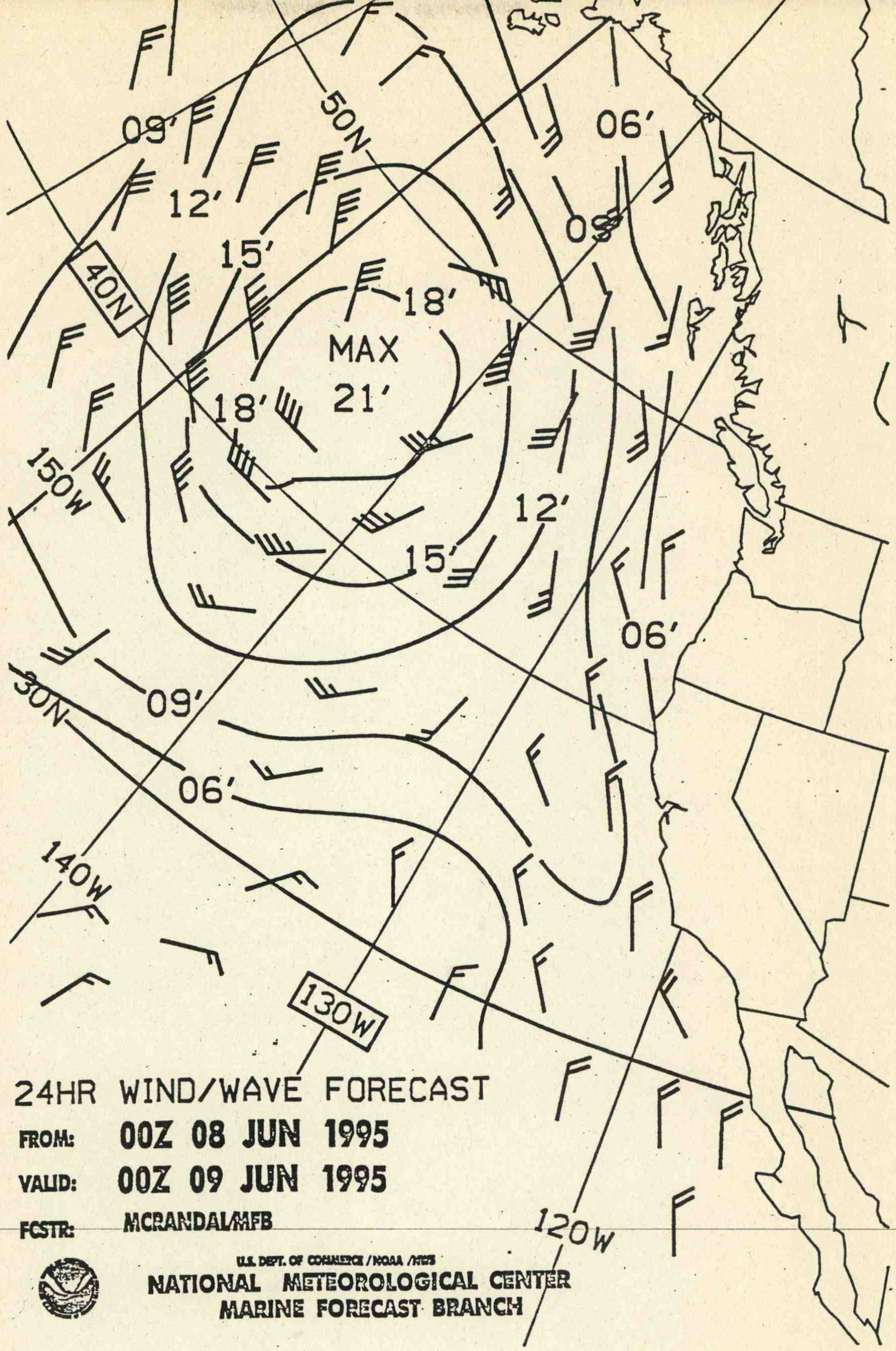
2 PER DAY

VALID	BROADCAST
0000Z -	0818Z
1200Z -	2018Z

★ MANUALLY INTERPOLATED FORECASTS OF SIGNIFICANT WAVE HEIGHT (COMBINED WIND WAVE AND SWELL) (3 FT CONTOURS)
USE: NOAA WAM MODEL
U.S. NAVY WAM MODEL

★ DETAILED WIND FORECASTS

★ EASTERN NORTH PACIFIC



24HR WIND/WAVE FORECAST

FROM: **00Z 08 JUN 1995**

VALID: **00Z 09 JUN 1995**

FCSTR: MCRANDAL/MFB

U.S. DEPT. OF COMMERCE / NOAA / NWS

NATIONAL METEOROLOGICAL CENTER

MARINE FORECAST BRANCH

24 HR WIND/WAVE FORECAST

48 HOUR SURFACE FORECASTS

2 PER DAY

VALID	BROADCAST
0000Z -	0848Z
1200Z -	2048Z

★ MANUALLY INTERPOLATED FORECASTS OF SURFACE PRESSURE (4 MB SPACING)

★ FRONTS

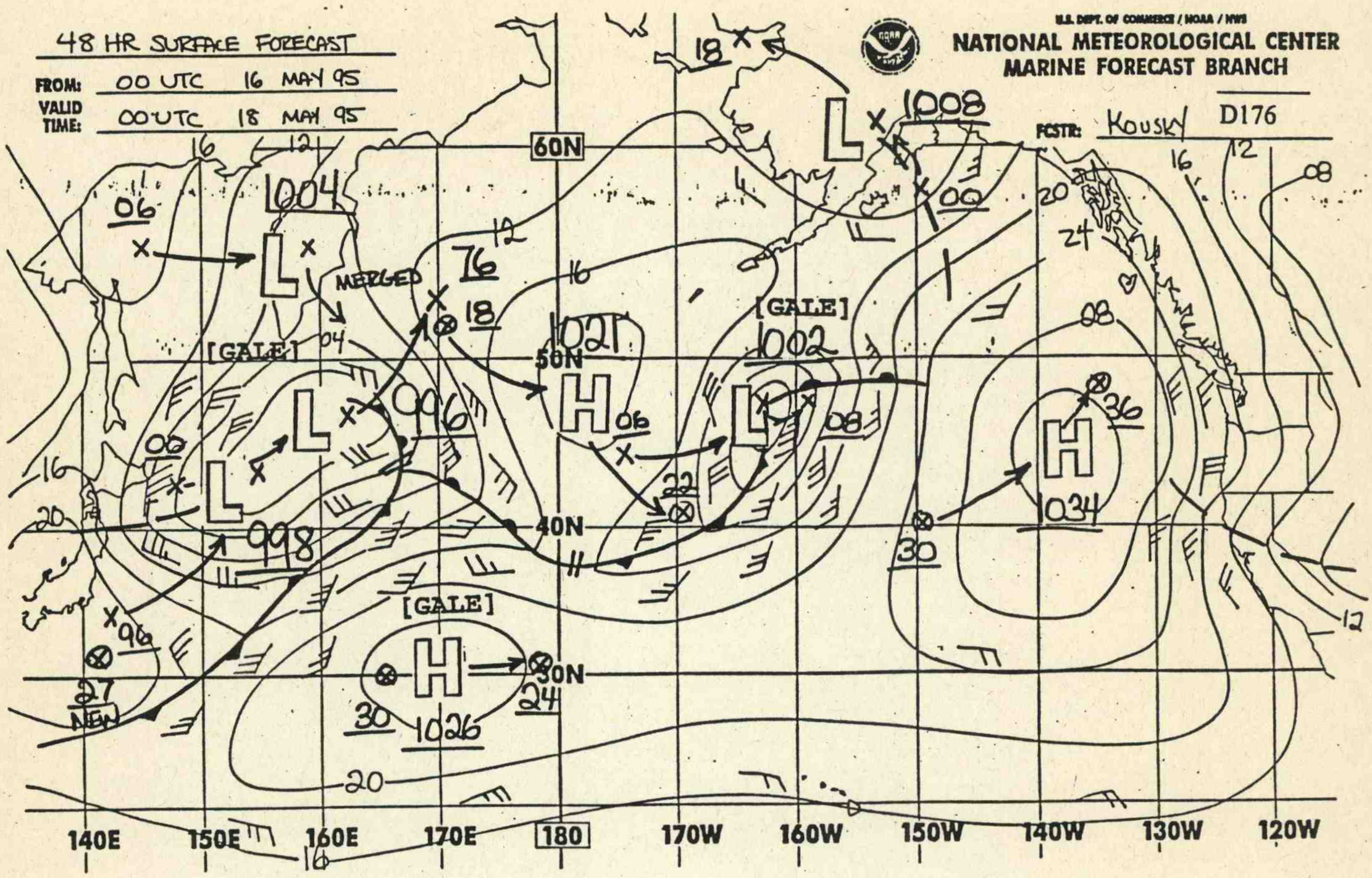
★ HIGH AND LOW PRESSURE CENTERS

★ 24 AND 72 HOUR FORECAST POSITIONS OF PRESSURE CENTERS AND FORECAST TRACKS

★ WARNING CATEGORIES

★ WIND FORECASTS

★ FULL OCEAN COVERAGE



48HR SURFACE FORECAST

48 HOUR SEA STATE FORECASTS

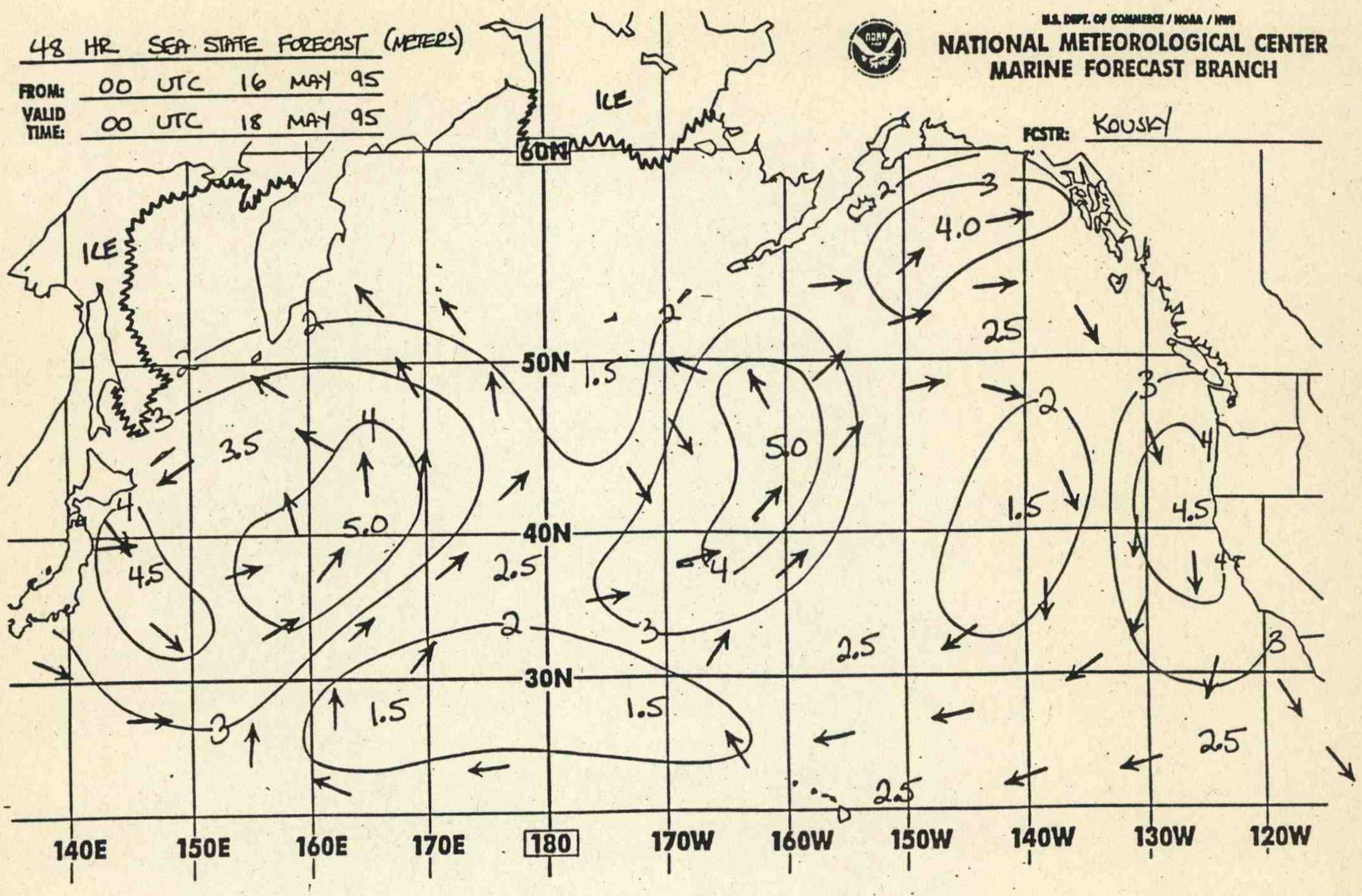
2 PER DAY

VALID	BROADCAST
0000Z -	0858Z
1200Z -	2058Z

★ MANUALLY INTERPOLATED SIGNIFICANT WAVE HEIGHT FORECAST (combined wind wave and swell) USING: NOAA WAM MODEL
U.S. NAVY WAM MODEL

★ CONTOURED EVERY METER

★ SIGNIFICANT SWELL DIRECTION



48 HR SEA STATE FORECAST (METERS)

48 HOUR 500 MILLIBAR FORECASTS

2 PER DAY

VALID		BROADCAST
0000Z	-	0838Z
1200Z	-	2038Z

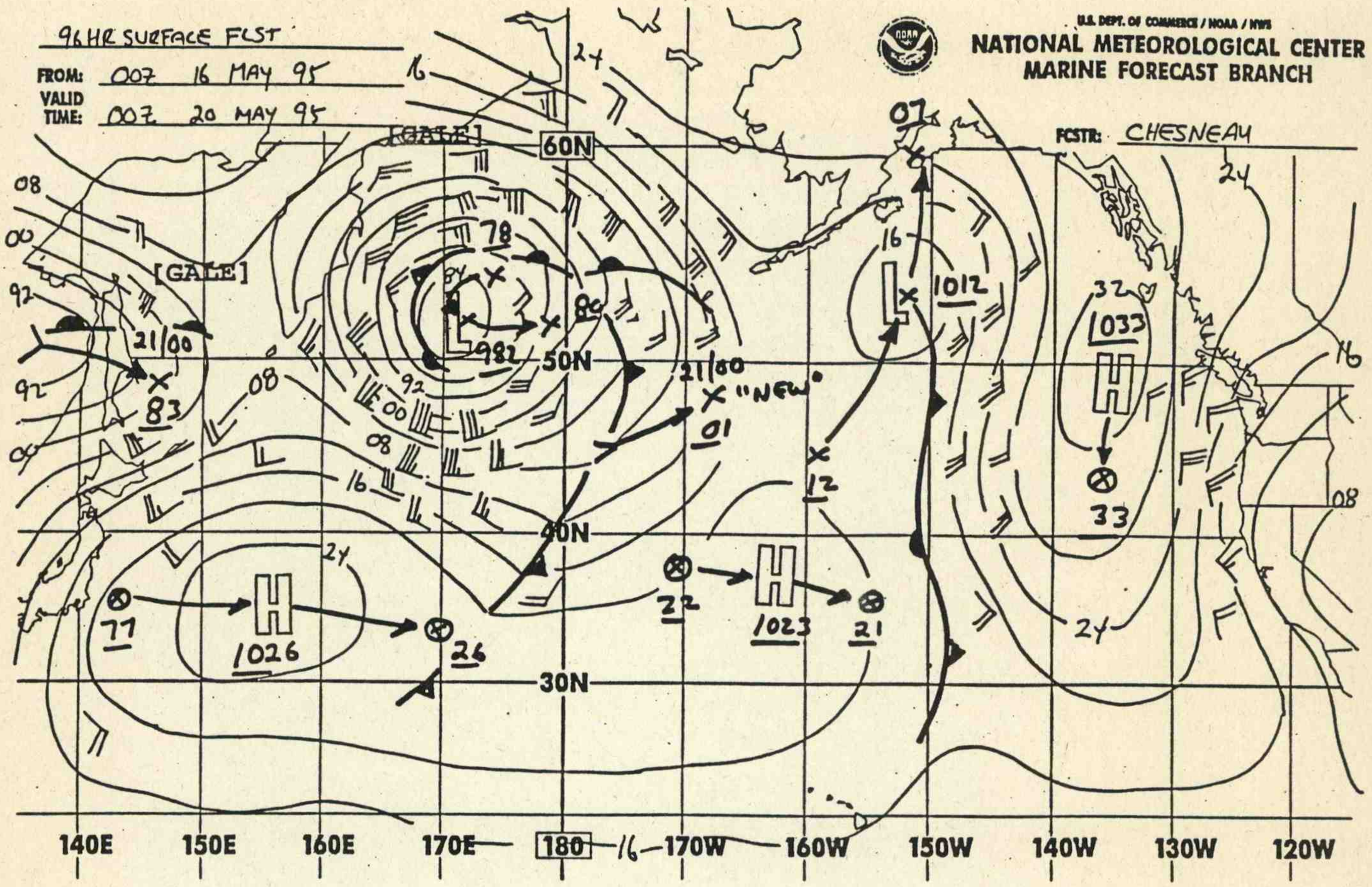
★ COMPUTER GENERATED FORECASTS

★ 500 MB GEOPOTENTIAL HEIGHT (CONTOURED EVERY 60 METERS)

★ CLOSED LOW AND HIGH CENTERS

★ 500 MB TROUGH AXES (MANUALLY ADDED)

(USE IN CONJUNCTION WITH SURFACE FORECASTS)



96HR SURFACE FORECAST

96 HOUR 500 MILLIBAR FORECASTS

1 PER DAY

VALID BROADCAST

0000Z - 1418Z

★ COMPUTER GENERATED FORECASTS
NOAA\NWS MEDIUM RANGE FORECAST
MODEL

★ 500 MB GEOPOTENTIAL HEIGHT (CONTOURED
EVERY 60 METERS)

★ CLOSED LOW AND HIGH CENTERS

★ 500 MB TROUGH AXES (MANUALLY ADDED)

(USE IN CONJUNCTION WITH SURFACE FORECASTS)

96 HOUR SURFACE FORECASTS

1 PER DAY

VALID	BROADCAST
0000Z -	1428Z

★ MANUALLY INTERPOLATED FORECASTS OF SURFACE PRESSURE (4 MB SPACING), FRONTS, PRESSURE CENTERS, WINDS, AND WARNING CATEGORIES

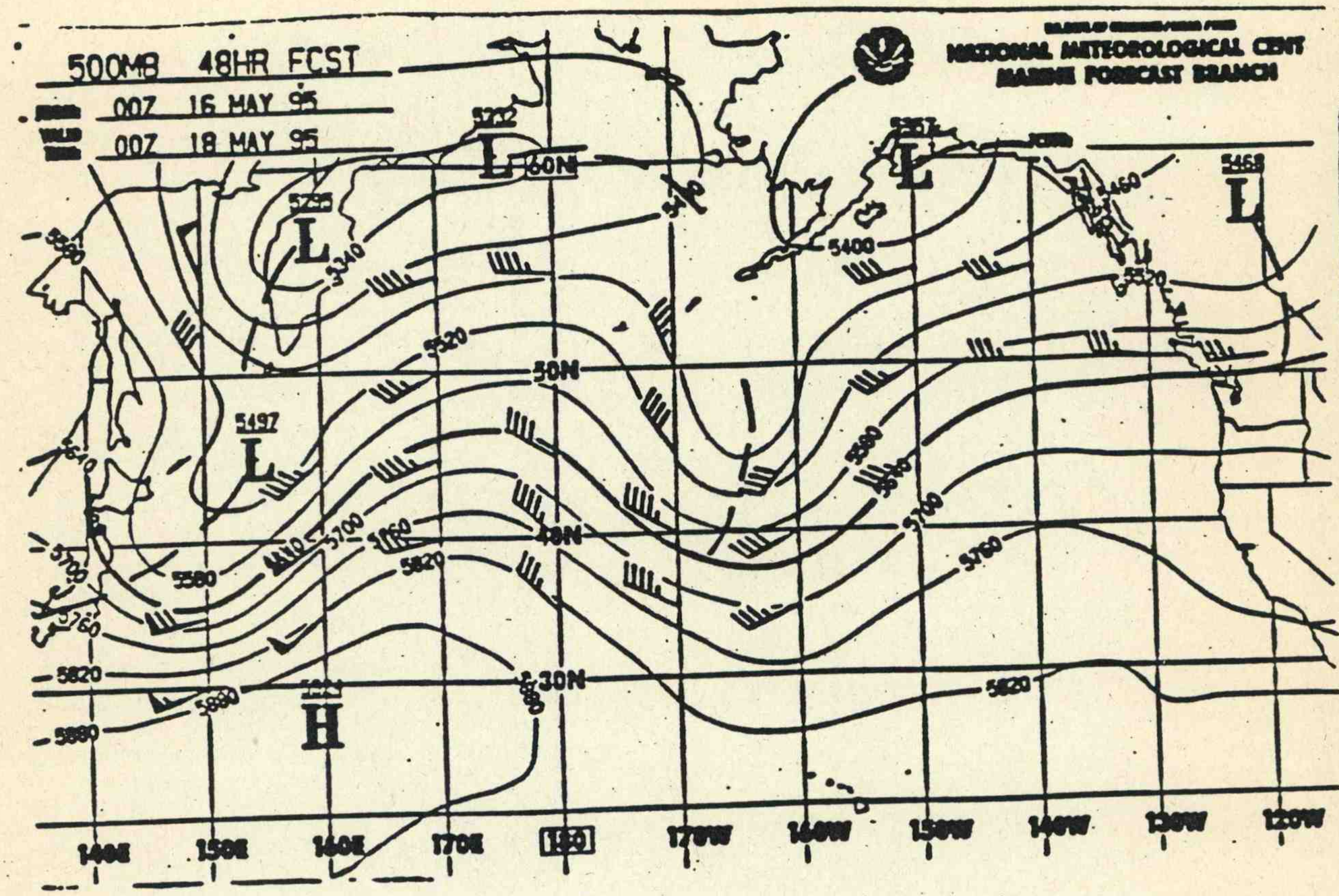
★ USE ALL AVAILABLE MEDIUM RANGE FORECAST GUIDANCE INCLUDING:

* U.S. MEDIUM RANGE FORECAST MODEL
* UNITED KINGDOM METEOROLOGICAL OFFICE FORECAST MODEL
* EUROPEAN CENTER FOR MEDIUM RANGE FORECASTING MODEL

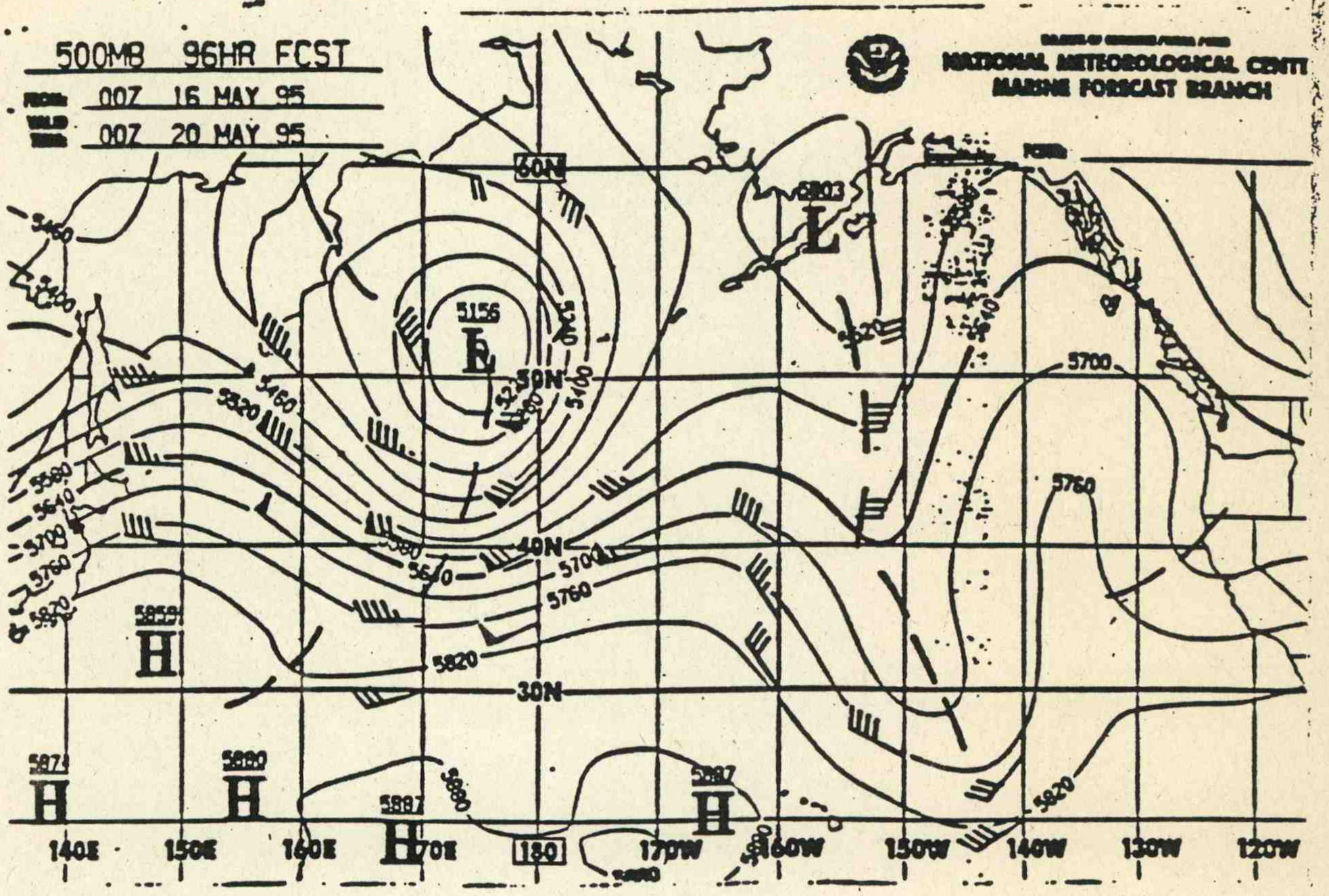
★ 72 AND 120 HOUR FORECAST POSITIONS OF PRESSURE CENTERS AND FORECAST TRACKS

★ FULL OCEAN COVERAGE

500 MB 48HR FORECAST



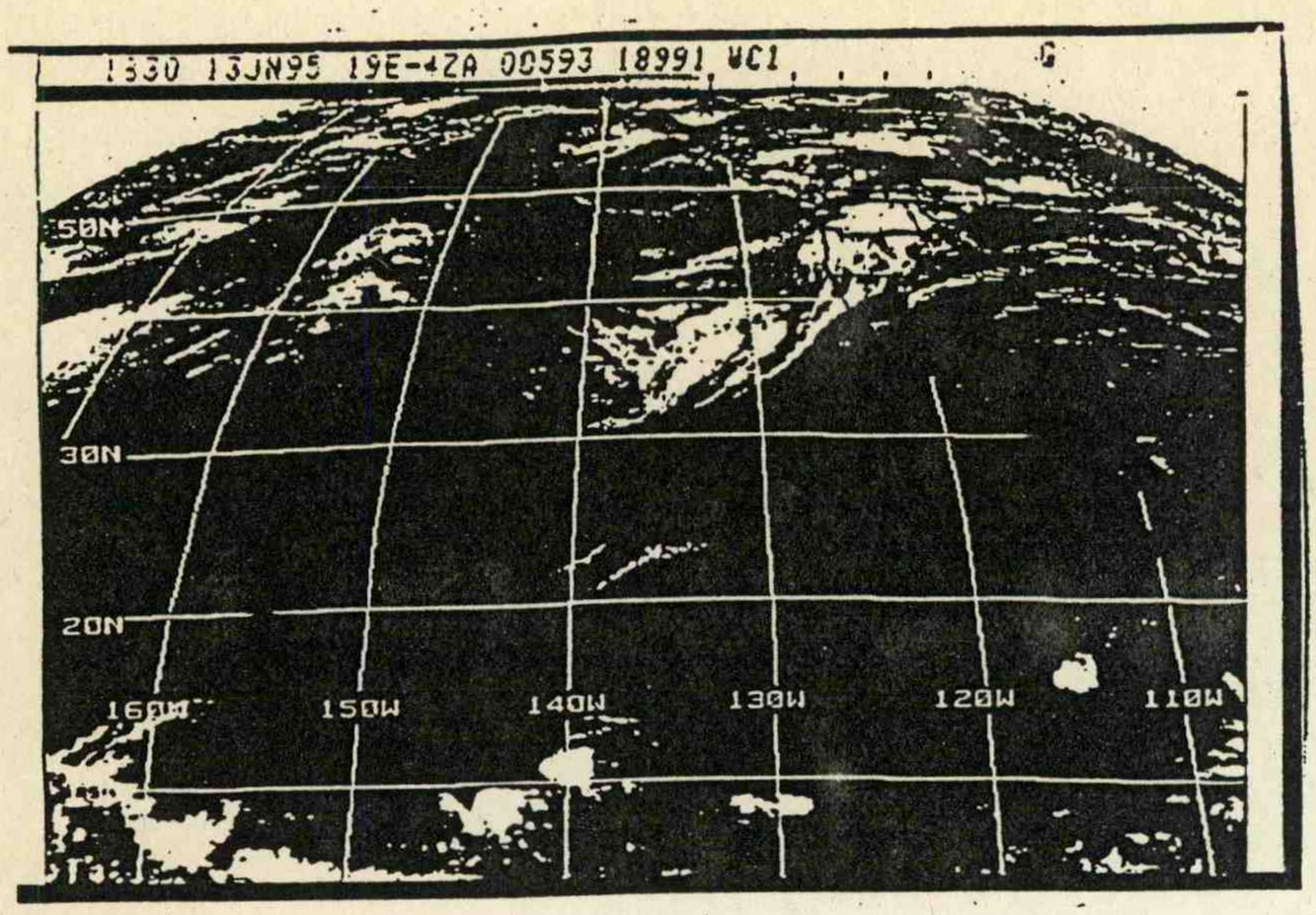
500 MB 96HR FORECAST

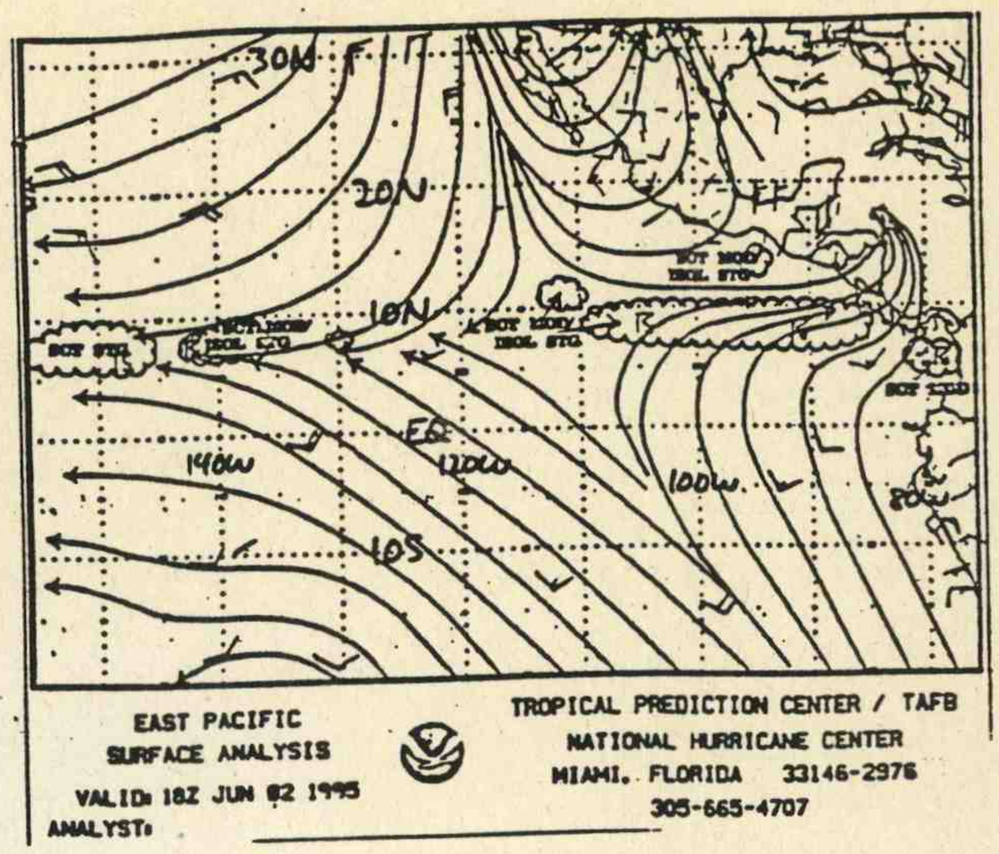


OCEANOGRAPHIC ANALYSES

5 PER DAY
BROADCAST

1148Z
1158Z
1500Z
2304Z
2314Z

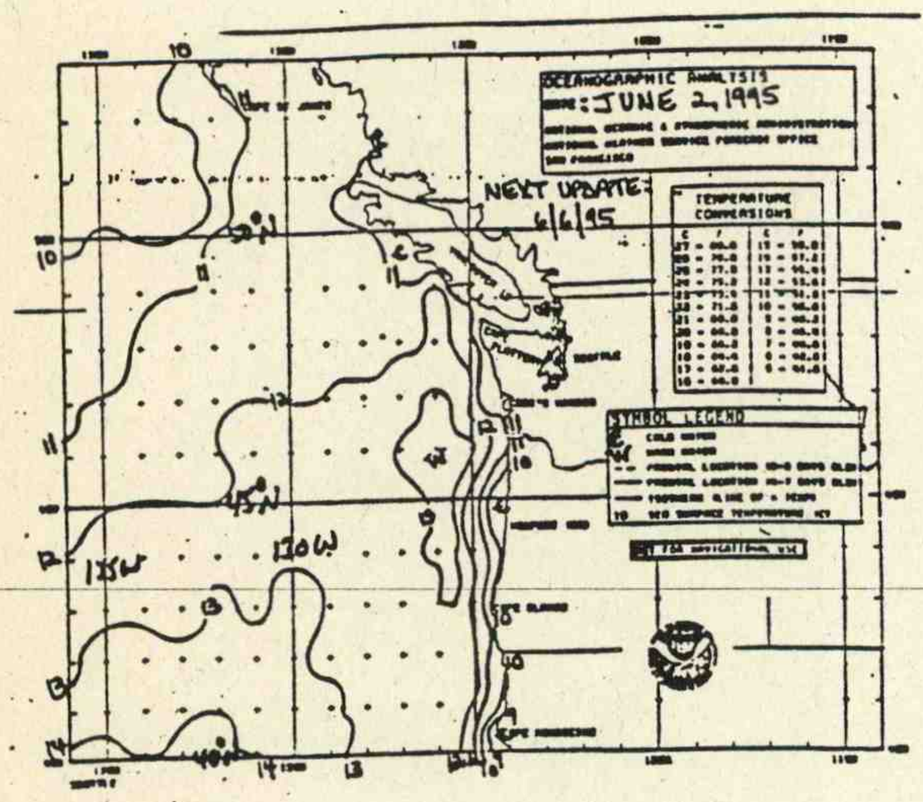


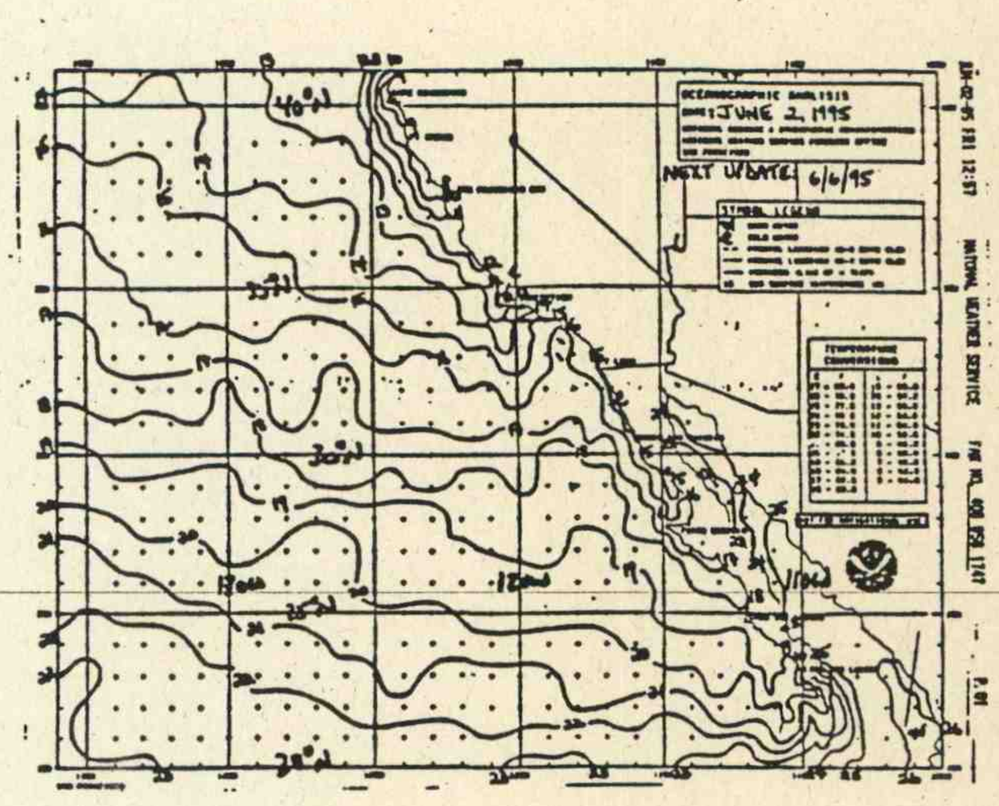


Satellite Imagery

Tropical Analysis

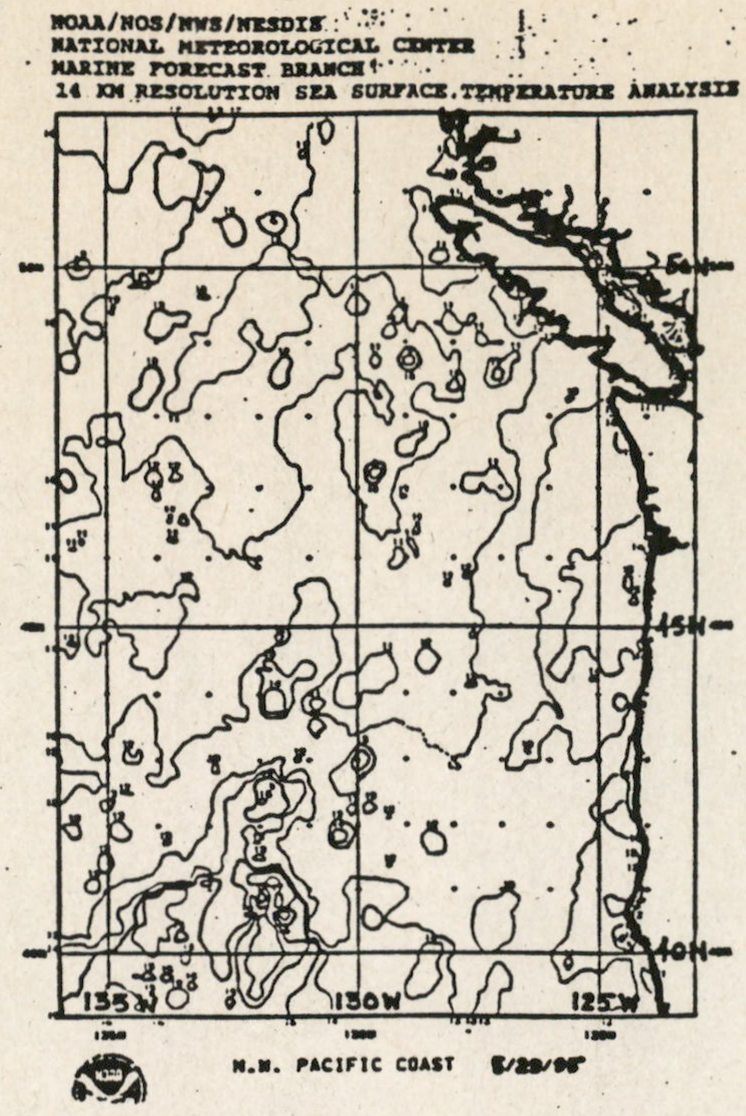
Oceanographic Charts



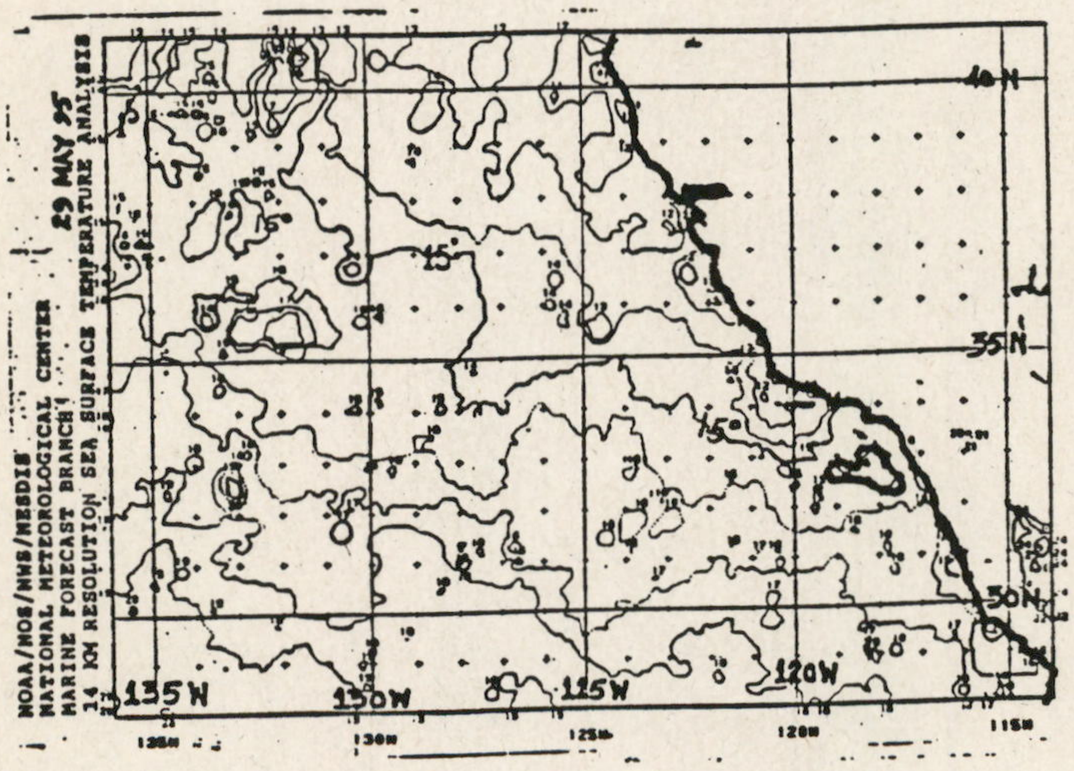


MANUAL SEA-SURFACE TEMPERATURE ANALYSIS(WFO MONTEREY,CA)

Oceanographic Charts continued



N.W. PACIFIC COAST

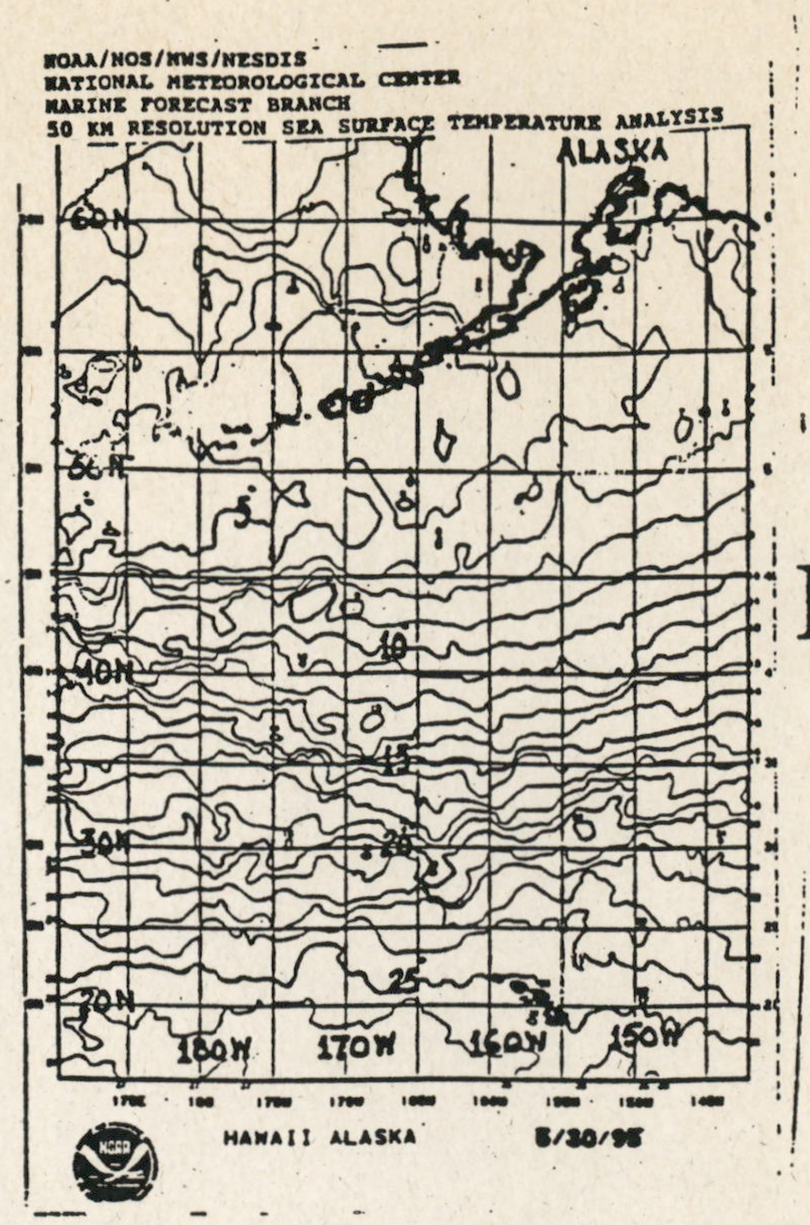


S.W. PACIFIC COAST

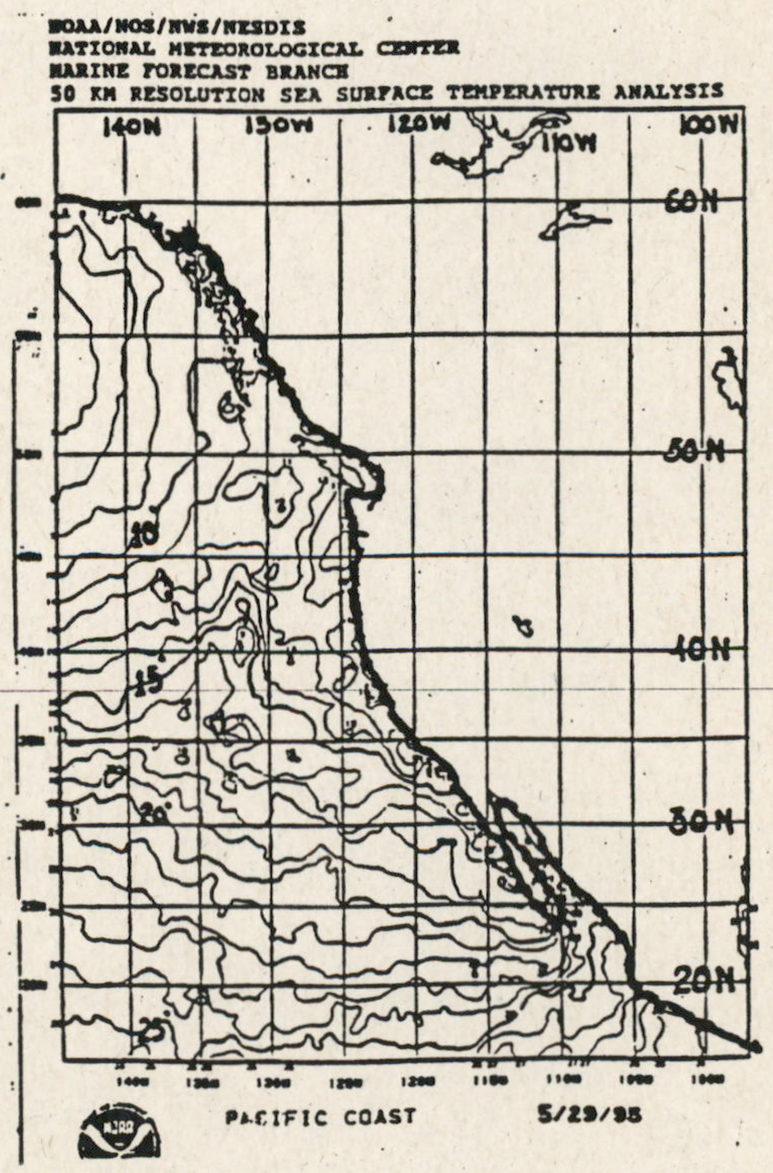
14 KM Resolution Automated Sea Surface Temperature Analysis

Data from National Ocean Service(NOS), National Weather Service(NWS), National Environmental Satellite, Data, and Information Service(NESDIS)

Oceanographic Charts continued



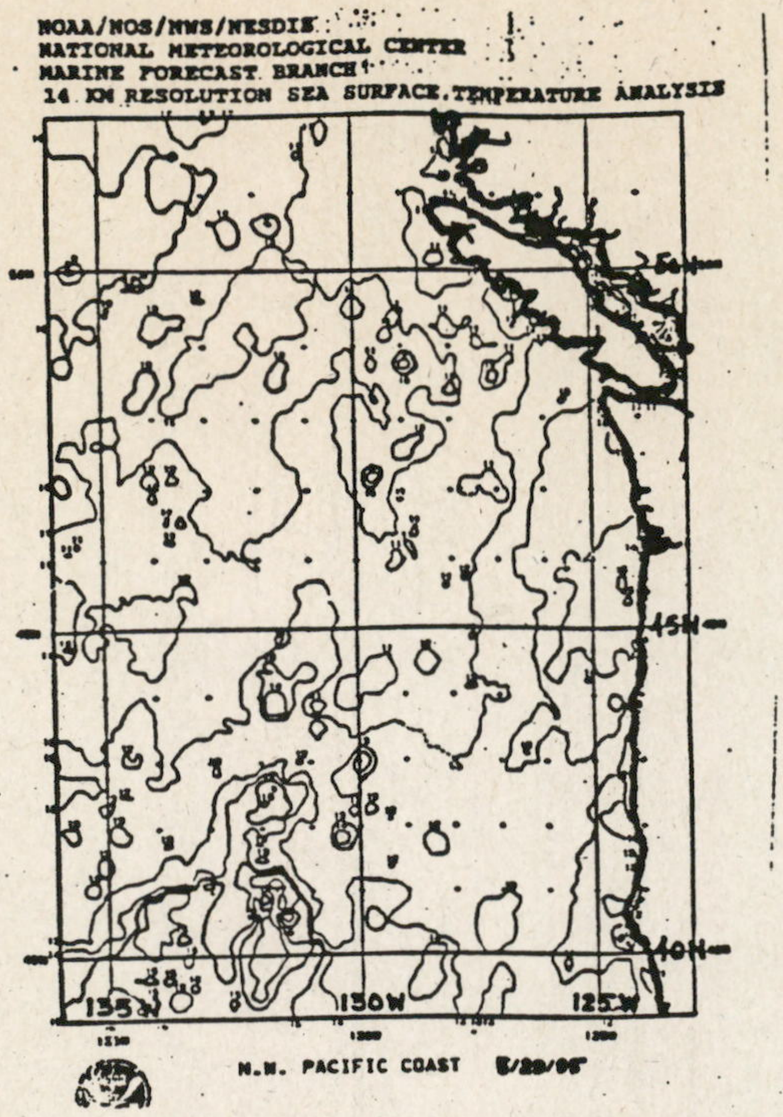
Hawaii/Alaska



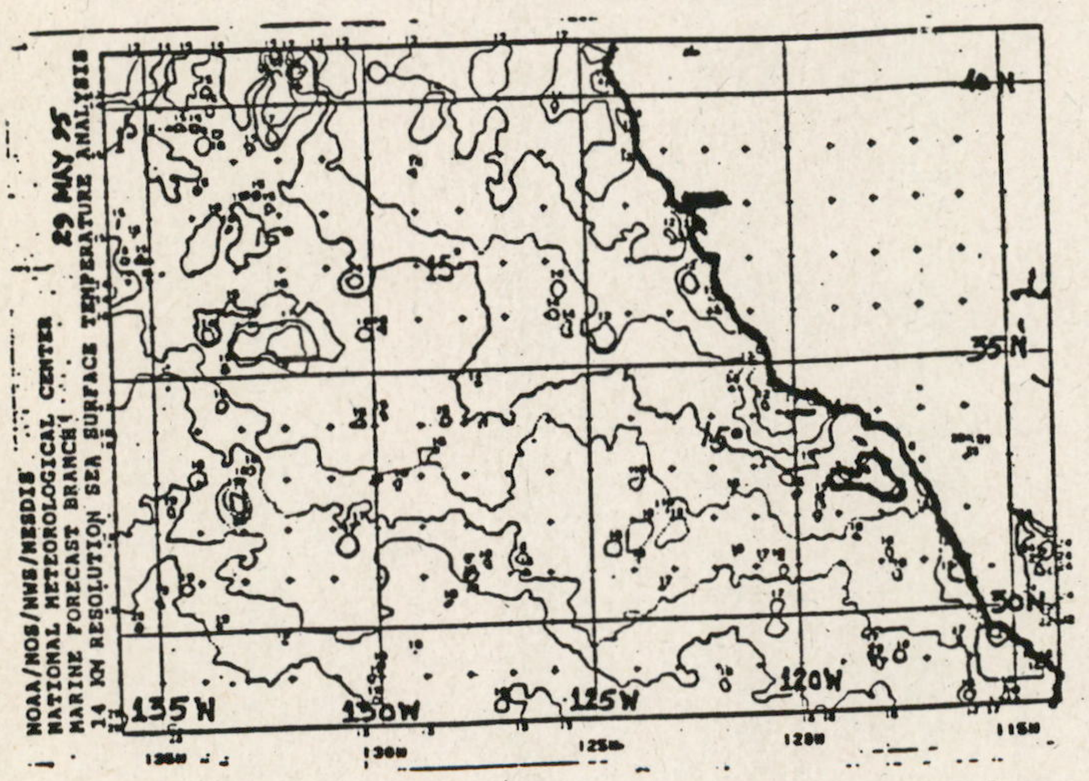
Pacific Coast

50 KM Resolution Automated Sea Surface Temperature Analysis

Oceanographic Charts continued



N.W. PACIFIC COAST

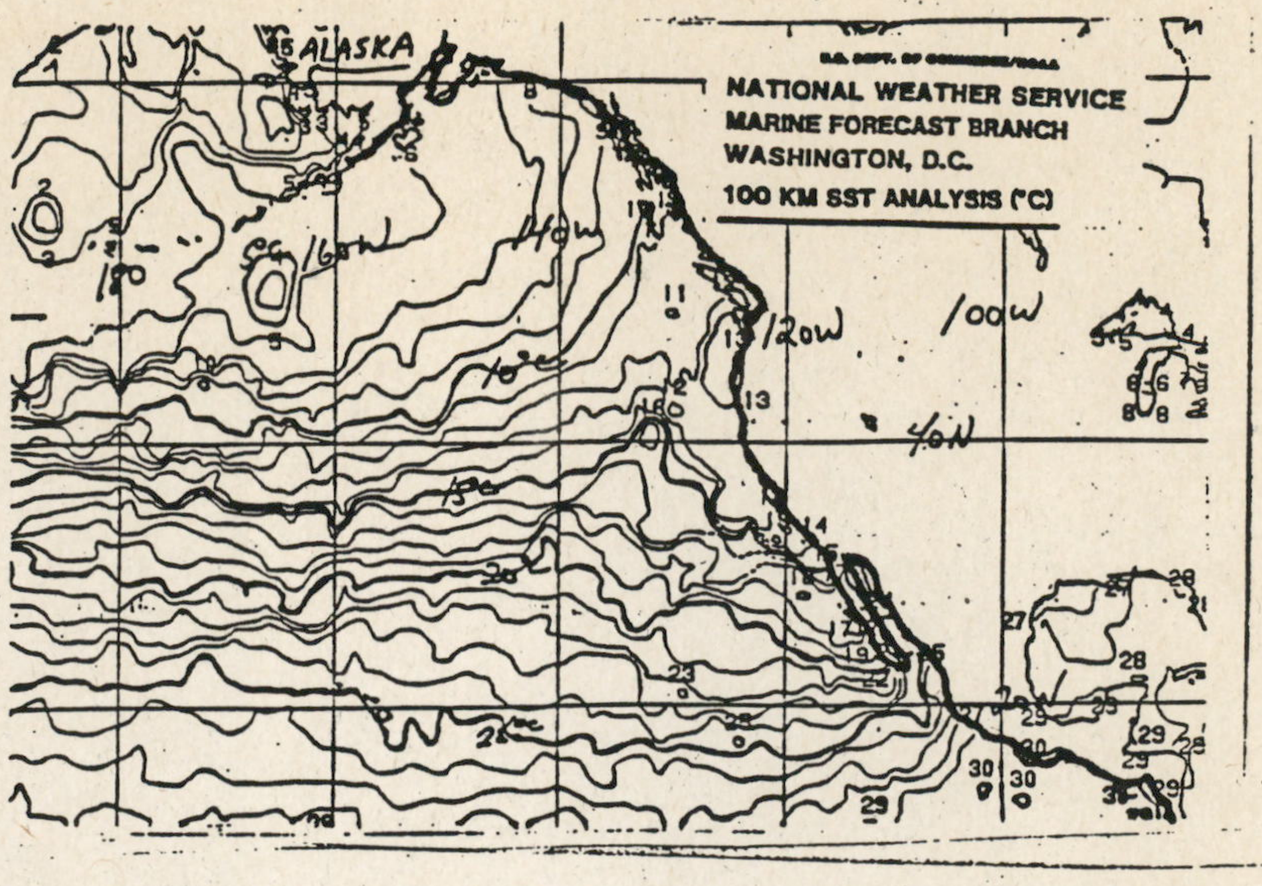


S.W. PACIFIC COAST

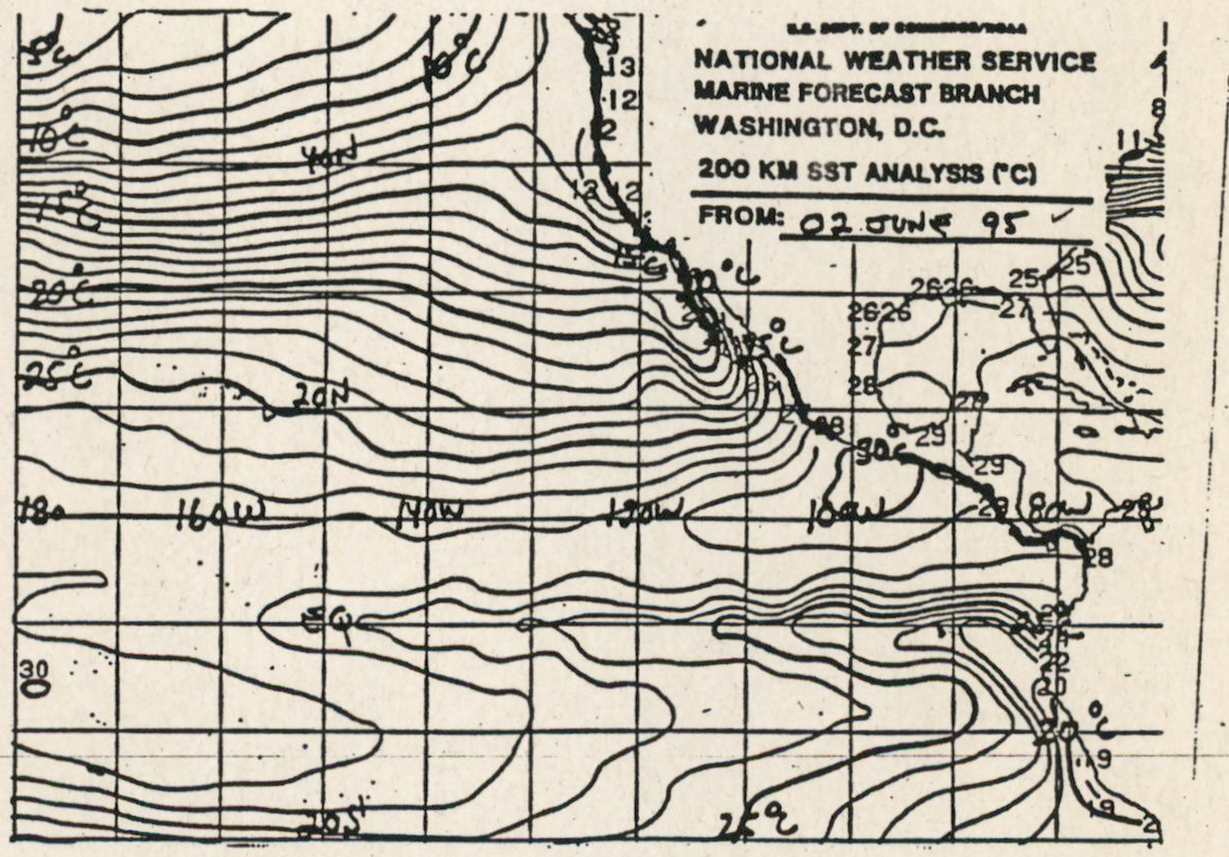
14 KM Resolution Automated Sea Surface Temperature Analysis

Data from National Ocean Service(NOS), National Weather Service(NWS), National Environmental Satellite, Data, and Information Service(NESDIS)

Oceanographic Charts continued



100 KM Resolution Automated Sea Surface Temperature Analysis



200 KM Resolution Automated Sea Surface Temperature Analysis