

220870 225871 230870 234860 237850
242842 244835 243827 244820 245811
243805 254801 //

270800 290801 305802 311800 320790
321785 321779 330769 343757 352750
360735 360718 380704 381690
375681 369671 371660 //

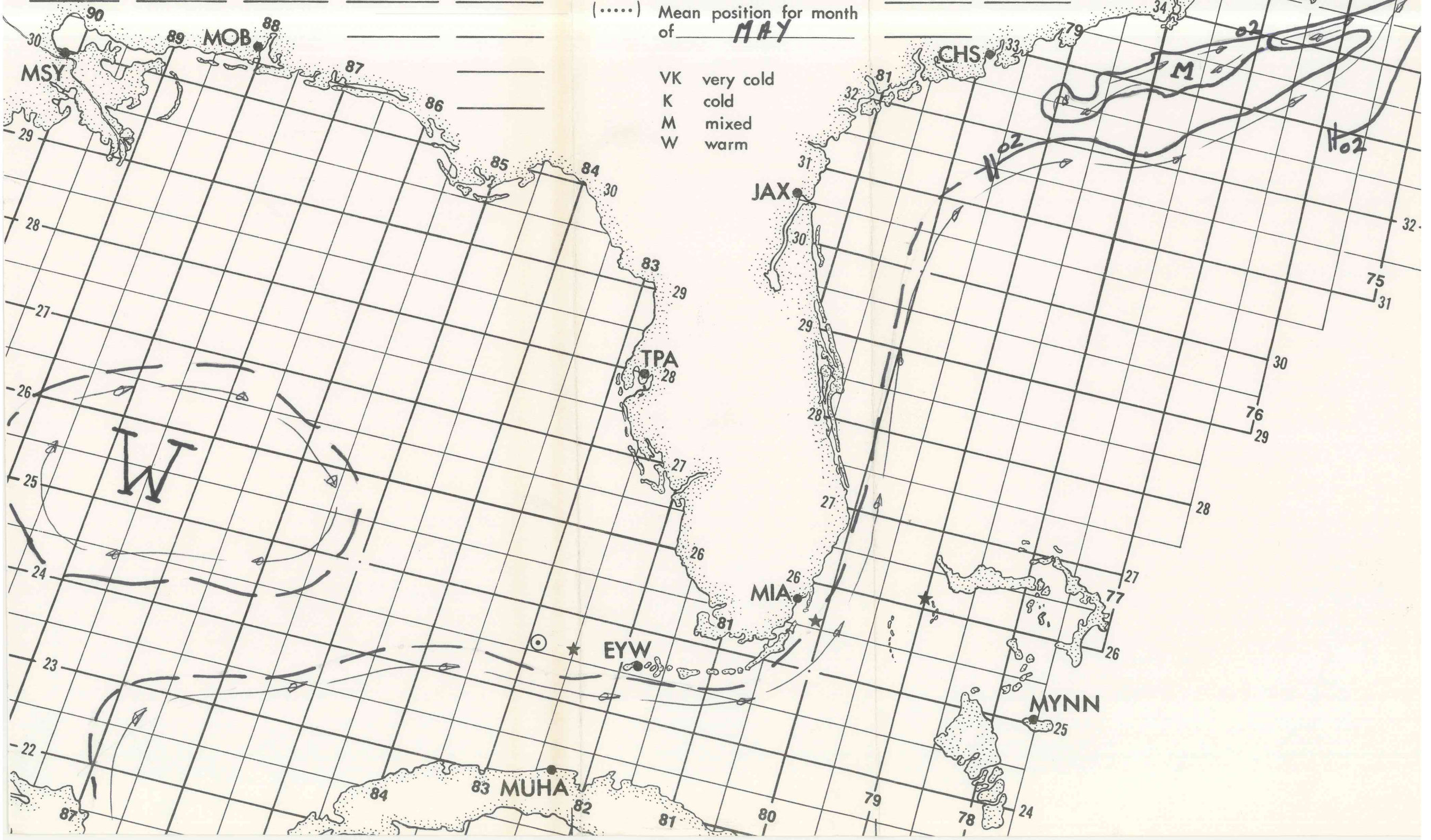
Date: 02 MAY 19 79

Depicted land areas should not be used for navigation.

(-----) Position based on data up to 7 days old.

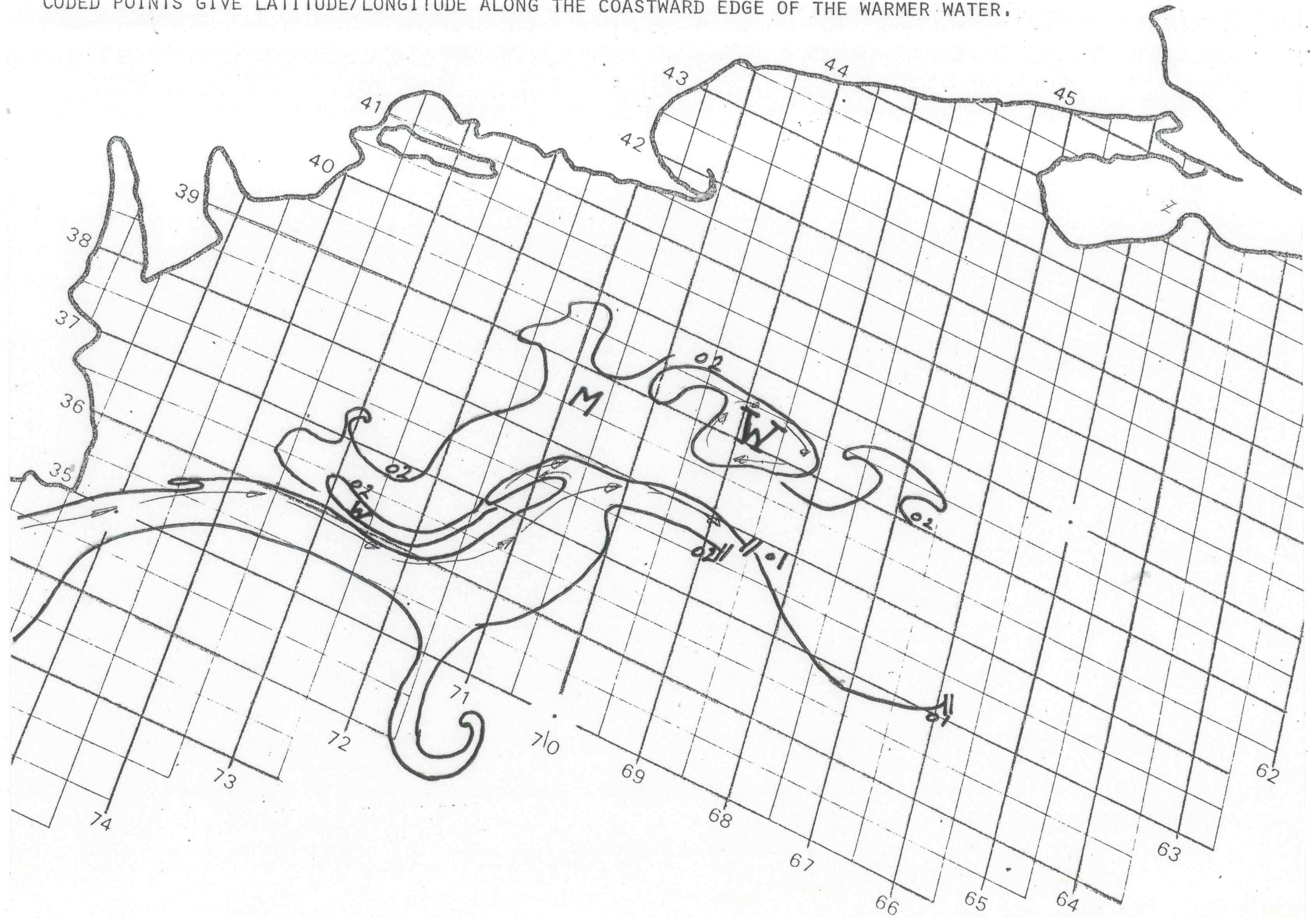
(.....) Mean position for month of MAY

VK very cold
 K cold
 M mixed
 W warm



MIAMI SFSS ANALYSIS OF THE GULF STREAM: 02 MAY 1979 PART B

CODED POINTS GIVE LATITUDE/LONGITUDE ALONG THE COASTWARD EDGE OF THE WARMER WATER.



NNNN

ZCZC WBC652
TBXX40 KMIA 021245

MAY 2 8 53 AM '79

MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT
02 MAY 1979.

CODED POINTS GIVE LATITUDE/LONGITUDE ALONG THE CSTWD
EDGE OF THE WARMER WATER.

220870 225871 230870 234860 237850 242842 244835 243827
244820 245811 243805 254801.

MAX CURRENT LIES ABOUT 8 TO 12 NM SEAWARD OF THIS LINE.

WARM DETACHED CLOCKWISE FLOW FM 24.0N TO 27.0N BTN 85.0W AND
89.0W.

REFER TO CHART 2450 FAX TROPAN CIRCUIT FOR DETAILED ANALYSIS.

DATA FM IMAGERY 01 AND 02 MAY 79.

DUERNBERGER

NNNN+
ZCZC WBC506
TRXX40 KMIA 031300

MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT
03 MAY 1979.

CODED POINTS GIVE LATITUDE/LONGITUDE ALONG THE CSTWD
EDGE OF THE WARMER WATER.

220870 230870 240870 244865 240857 235850 232842 235835
240830 244820 245810 250802.

MAX CURRENT LIES ABOUT 8 TO 12 NBEAWARD OF THIS LINE.

DUE TO GULF SEA SURFACE TEMPERATURES BECOMING INCREASINGLY
ISOTHERM
AUPDRESGONESTIGNEWIFANTHSHANGES TO LOOP
CURENT FLOW WILL BE MADE AS CONDITIONSWARRENT. .

DATA FM IMAGERY 03 MAY 79.

DUERNBERGER/WRIGHT

NNNN

MAY 3 9 37 AM '79

ZCZC WBC008
TBXX40 KMIA 031300

MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT
03 MAY 1979.

CODED POINTS GIVE LATITUDE/LONGITUDE ALONG THE CSTWD
EDGE OF THE WARMER WATER.

220870 230870 240870 244865 240857 235850 232842 235835
240830 244820 245810 250802.

MAX CURRENT LIES ABOUT 8 TO 12 NM SEWARD OF THIS LINE.

DUE TO GULF SEA SURFACE TEMPERATURES BECOMING INCREASINGLY
ISOTHERM
AL DURING NEXT FEW MONTHS UPDATES OF SIGNIFICANT CHANGES TO LOOP
CURRENT FLOW WILL BE MADE AS CONDITIONS WARRENT.

DATA FM IMAGERY 03 MAY 79.

DUERNBERGER/WRIGHT

NNNNJA
ZCZC WBC521
TBXX40 KMIA 031300

MAY 3 9 56 AM '79

MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT
03 MAY 1979.

09232 09805 2803 1585723/LONGITUDE ALONG THE CSTWD
EDGE OF THE WARMER WATERXV

ZWPIUP WEPIUP WRPIUP QRRITY WRPITU WETIIP WEWIRW WETIET
WRPIEP WRRIPW WRTIQP WTIPIWM

MAX CURRENT LIES ABOUT 8 TO 12 NMSEAWARD OF THIS LINE.

DUE TO GULF SEA SURFACE TEMPERATURES BECOMING INCREASINGLY
ISOTHERM
AL DURING NEXT FEW MONTHS UPDATES OF SIGNIFICANT CHANGES TO LOOP
CURRENT FLOW WILL BE MADE AS CONDITIONS WARRANT. .

DATA FM IMAGERY 03 MAY 79.

DUERNBERGER/WRIGHT

GULF STREAM SYSTEM FLOW CHART # 2450

220870 230870 240871 245866 240857
233845 233840 235835 240830 244825
245814 247805 255800 //

NOAA Miami SFSS

Date: 04 MAY 1979

Depicted land areas should not be used for navigation.

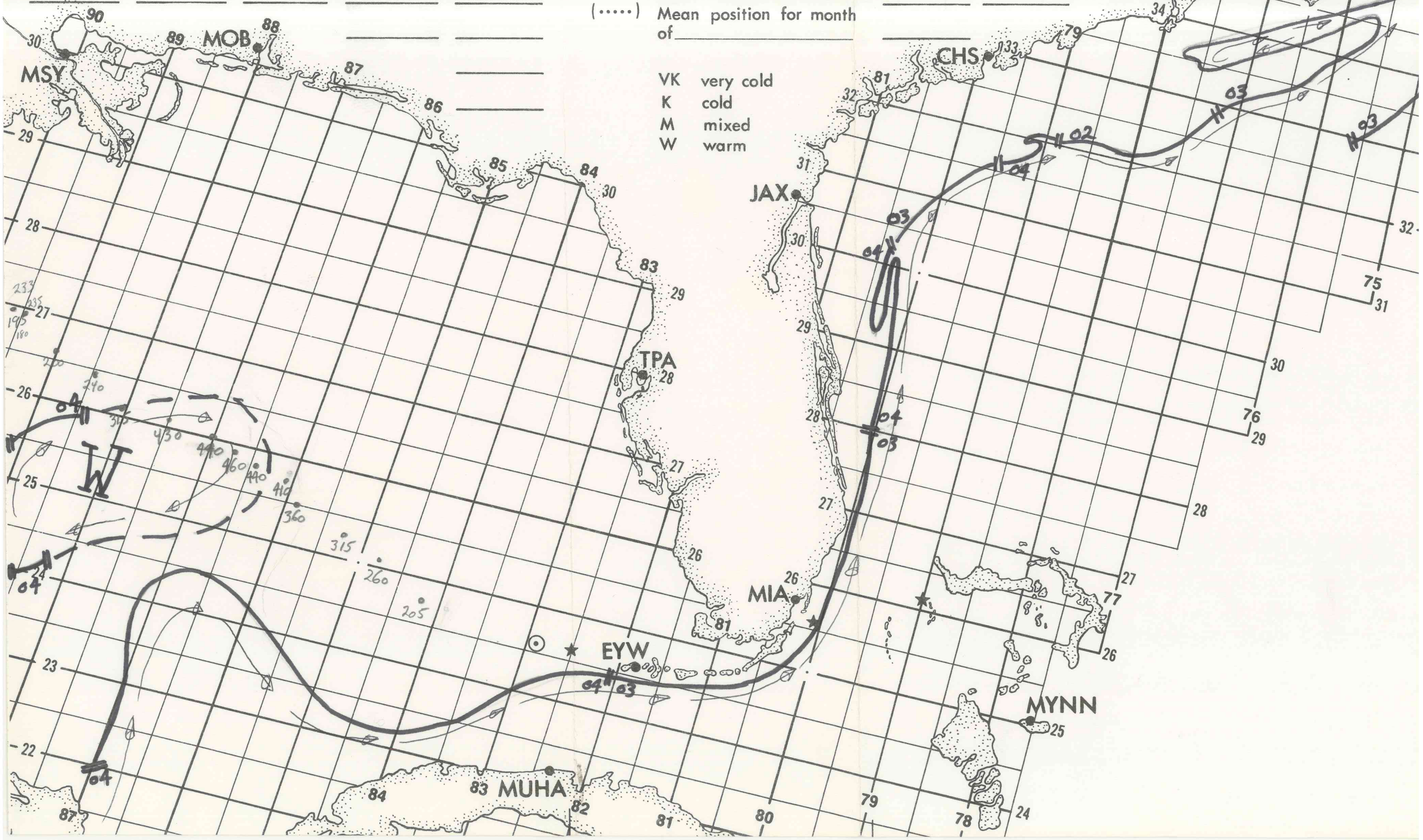
(-----) Position based on data up to 7 days old.

(.....) Mean position for month of _____

VK very cold
 K cold
 M mixed
 W warm

GULF STREAM SYSTEM FLOW CHART # 2450

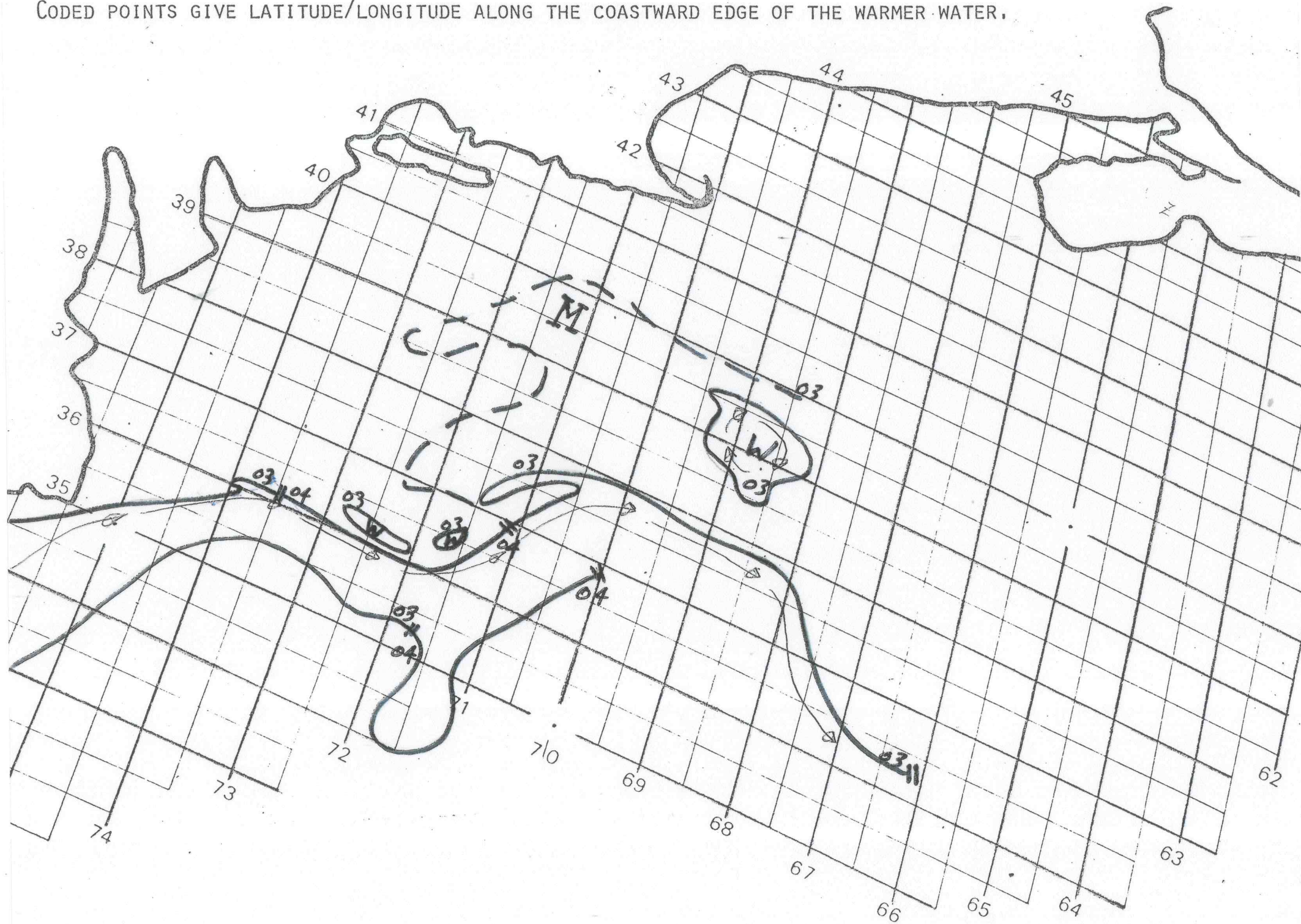
270800 290801 305803 315795 321786
321778 340760 352750 361735 360718
380702 378680 365670 362662 //



MIAMI SFSS ANALYSIS OF THE GULF STREAM: 04 MAY 1979

PART B

CODED POINTS GIVE LATITUDE/LONGITUDE ALONG THE COASTWARD EDGE OF THE WARMER WATER.



NNNN+A
ZCZC WBC006
SXNTI KWBC 041925

MAY 4 3 48 PM '79

GULF STREAM LOCATION: THE LINE DESCRIBED BY THE FOLLOWING
SEQUENCE OF POINTS REPRESENTS THE WEST WALL OF THE GULF STREAM.

27.0/80.0	29.0/80.1	30.5/80.2	31.5/79.5
32.1/78.6	32.7/77.8	34.0/75.8	35.2/75.0
36.2/73.5	36.0/77.	38.1/69.8	37.8/68.0
36.6/66.8	36.5/65.7	37.7/65.7	37.6/65.0

THE MAXIMUM CURRENT OF THE GULF STREAM LIES BETWEEN 12+15 MILES
SEAWARD OF THE THIS LINE. LATEST SATELLITE DATA 5/4/79 0900Z

NNNNLAX

BAJ252/006EKKM

MVAOFKVAORBBRVEVMA

ZCZC WBC913
TBXX40 KMIA 041345

MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT
04 MAY 1979.

CODED POINTS GIVE LATITUDE/LONGITUDE ALONG THE CSTWD
EDGE OF THE WARMER WATER.

220870 230870 240871 245866 240857 233845 233840 235835
240830 244825 245814 247805 255800.

MAX CURRENT LIES ABOUT 8 TO 12 NM SEAWARD OF THIS LINE

WEAK WARM CUTOFF EDDY IN CENTRAL GLF CNTRD NR 25.5N88.0W HAS 40
TO 60 NM RADIUS..

DUE TO GULF SEA SURFACE TEMPERATURES BECOMING INCREASINGLY
ISOTHERM
AL DURING NEXT FEW MONTHS UPDATES OF SIGNIFICANT CHANGES TO LOOP
CURRENT FLOW WILL BE MADE AS CONDITIONS WARRANT. .

DATA FM IMAGERY 03 AND 04 MAY 79.

DERNBERGER/BAIG

MAY 4 10 11 AM '79

NNNN1A

ZCZC WBC473

SXNT1 KWBC 161954

GULF STREAM LOCATION† THE LINE DESCRIBED BY THE FOLLOWING
SEQUENCE OF POINTS REPRESENTS THE WEST WALL OF THE GULF STREAM.

27.00.0 30.6/80.1 32.1/79.0

33.4/77.09GGGGGGGGGG9GGGGGGGGGG9GGGGGGGGGG9GGGGGGGGGG9GGGGGGGGGG9GGGGGGGGGG9

ZCZC WBC473

SXNT1 KWBC 161954

GULF STREAM LOCATION† THE LINE DESCRIBED BY THE FOLLOWING
SEQUENCE OF POINTS REPRESENTS THE WEST WALL OF THE GULF STREAM.

27.0/80.0 30.6/80.1 32.1/79.0

33.4/77.0 35.0/75.1 36.1/73.5

36.2/71.0 38.2/70.0 36.5/66.5

37.0/65.0 38.7/64.4 38.4/62.0

THE MAXIMUM CURRENT OF THE GULF STREAM LIES BETWEEN 12+15 MILES
SEAWARD OF THIS LINE. LATEST SATELLITE DATA 5/6/79 AT 0900Z.

GULF STREAM SYSTEM FLOW CHART # 2450

221869 240870 245868 246863 234848
 232843 233835 241828 244823 246808
 249803 255801 260800//

NOAA Miami SFSS

Date: 07 MAY 1979

Depicted land areas should not be used for navigation.

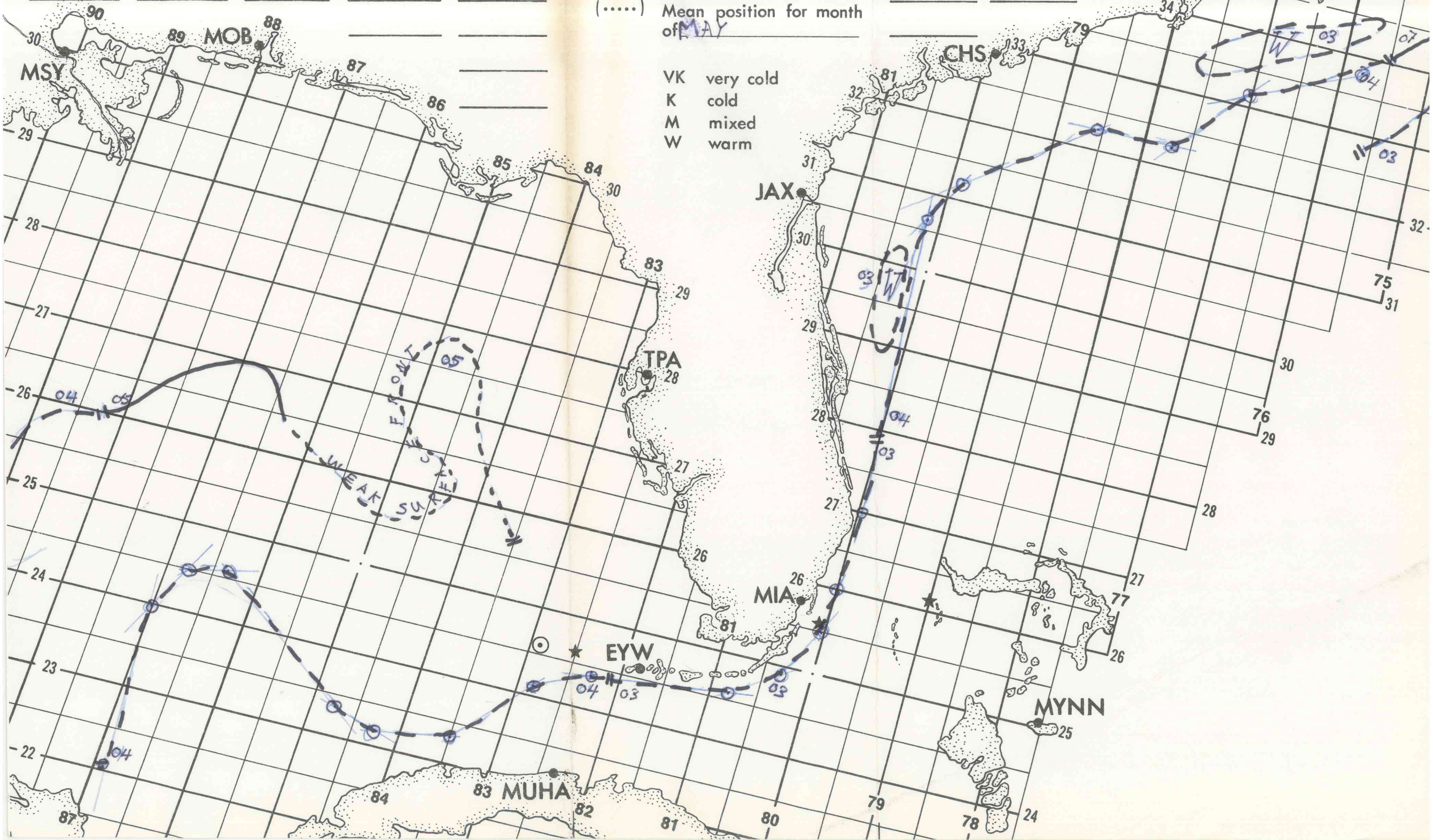
(-----) Position based on data up to 7 days old.

(.....) Mean position for month of MAY

VK very cold
 K cold
 M mixed
 W warm

GULF STREAM SYSTEM FLOW CHART # 2450

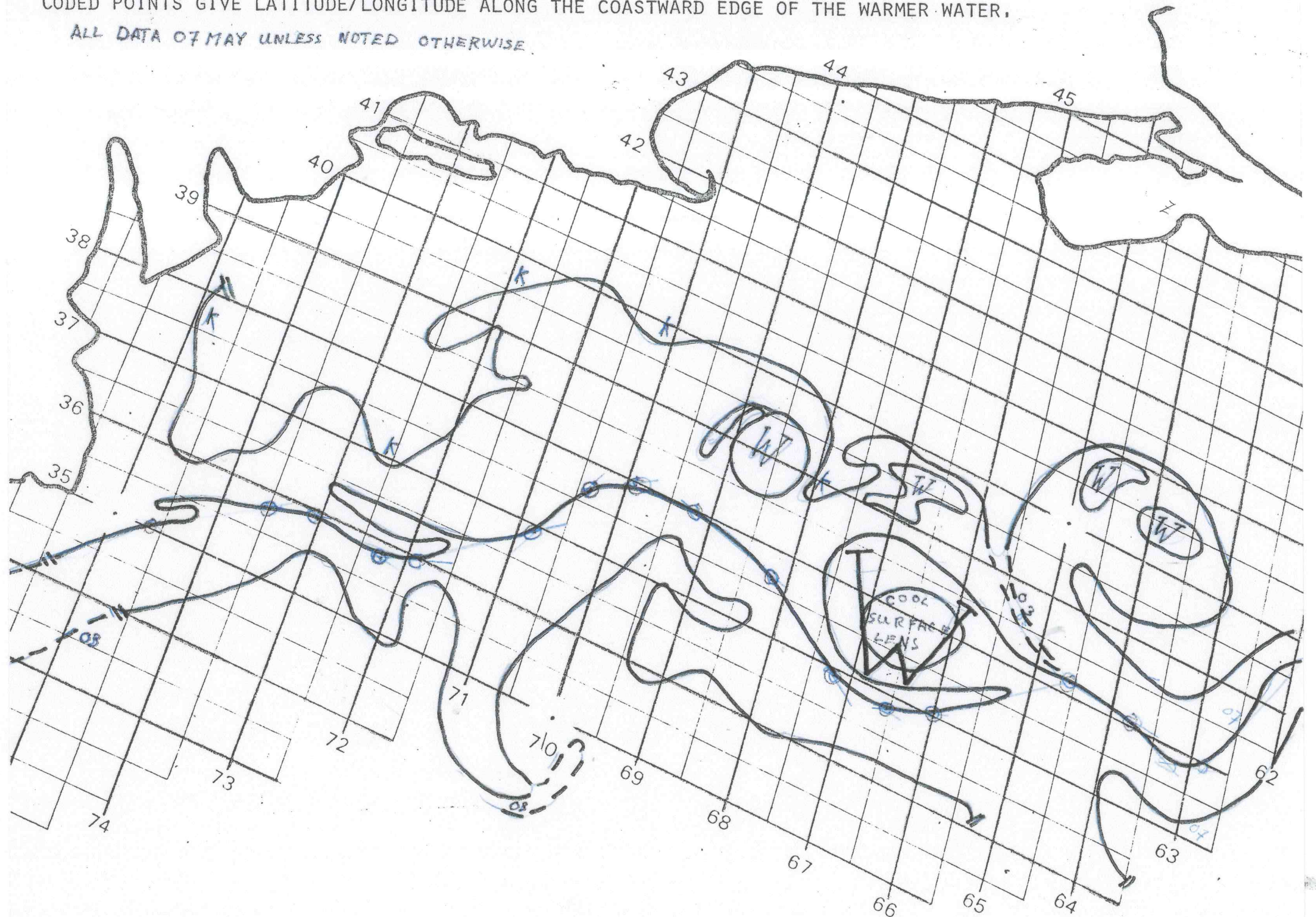
270800 307801 312799 323785 323777
 331770 338757 356746 358735 359731
 358723 360719 369708 377704
 380699 380692 377682 369672
 368665 370660 382646 380637//



MIAMI SFSS ANALYSIS OF THE GULF STREAM: 07 MAY 1979 PART B

CODED POINTS GIVE LATITUDE/LONGITUDE ALONG THE COASTWARD EDGE OF THE WARMER WATER.

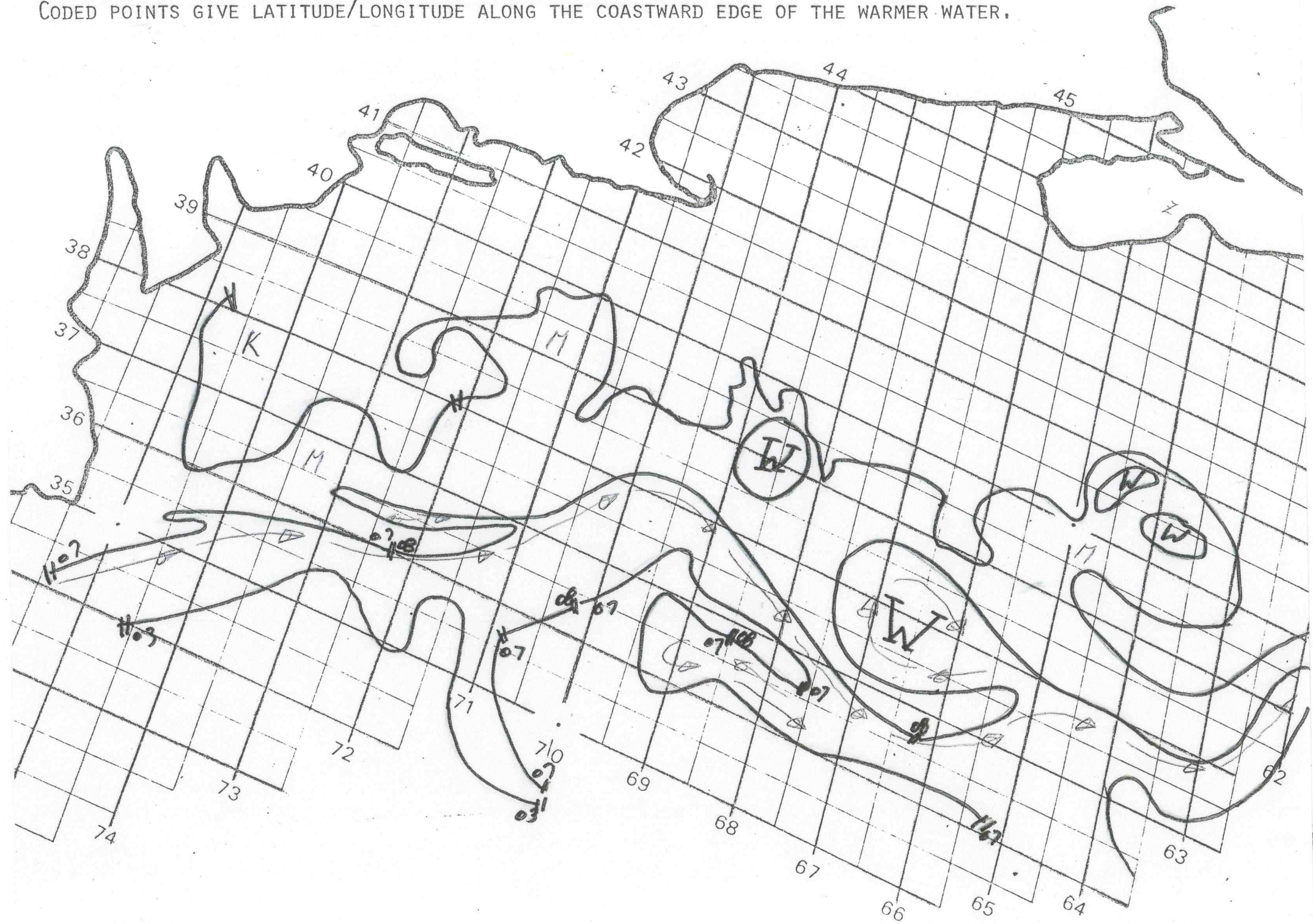
ALL DATA OF MAY UNLESS NOTED OTHERWISE.



MIAMI SFSS ANALYSIS OF THE GULF STREAM: 07008 MAY 1979

PART B

CODED POINTS GIVE LATITUDE/LONGITUDE ALONG THE COASTWARD EDGE OF THE WARMER WATER.



GULF STREAM SYSTEM FLOW CHART # 2450

220869 230869 240872 249870 243860
236850 232840 235834 240828 244820
245810 250802 //

NOAA Miami SFSS

Date: 09 MAY 19 79

Depicted land areas should not be used for navigation.

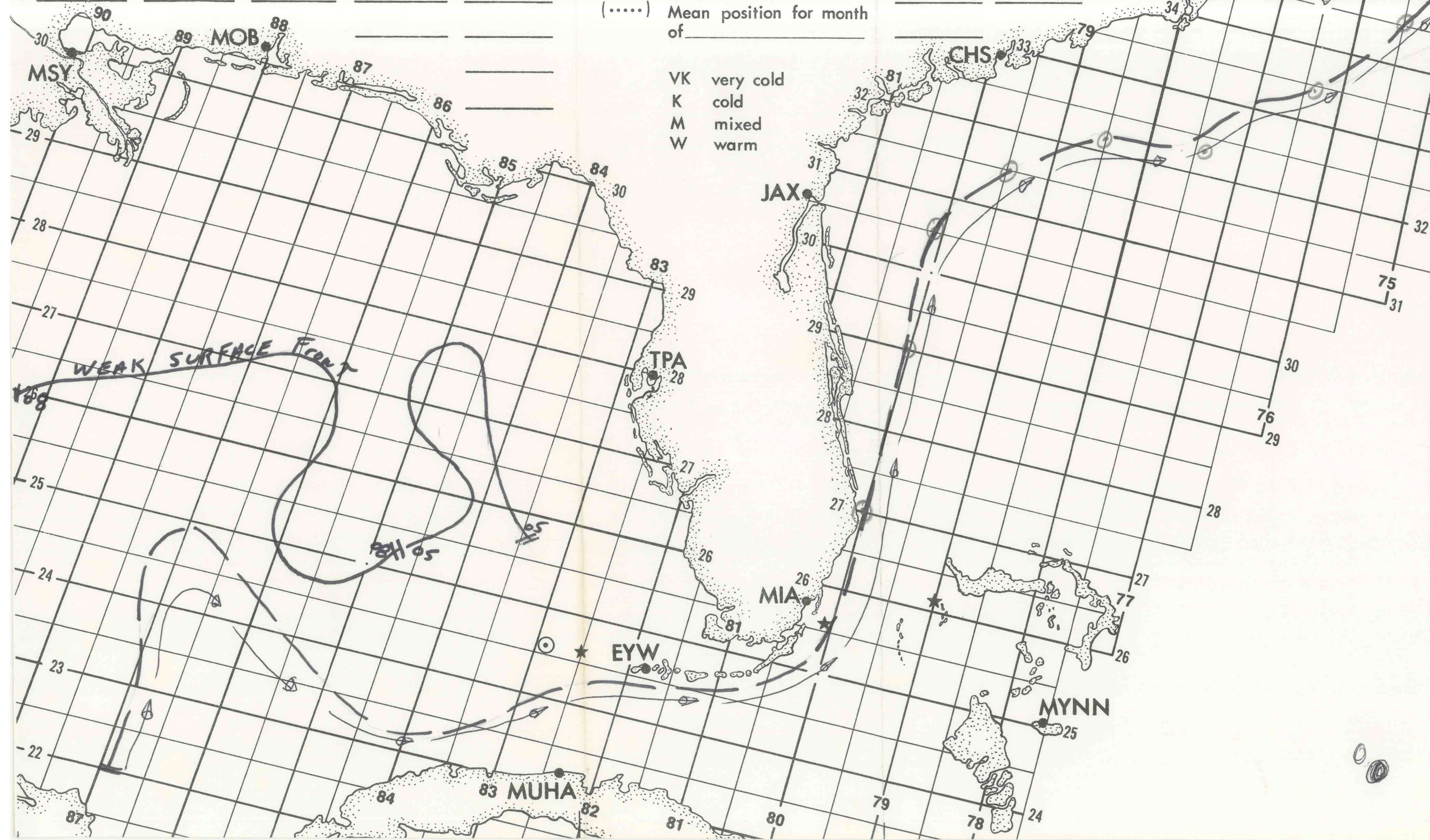
(-----) Position based on data up to 7 days old.

(.....) Mean position for month of _____

VK very cold
 K cold
 M mixed
 W warm

GULF STREAM SYSTEM FLOW CHART # 2450

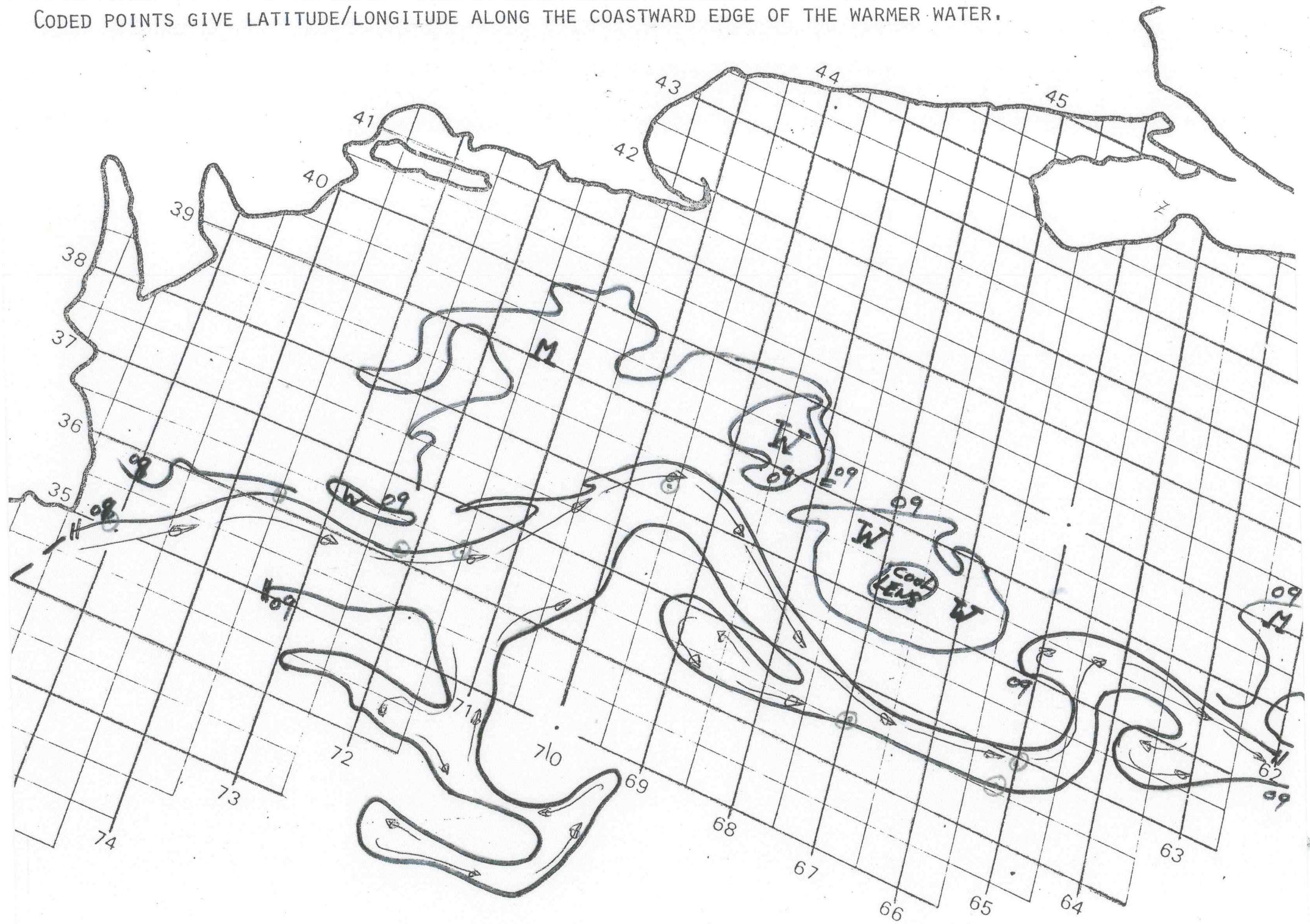
270800 290800 305801 315795 322785
322777 335764 345755 350751 361735
361722 365715 385695 369669
372646 388643 385620 //



MIAMI SFSS ANALYSIS OF THE GULF STREAM: 09 MAY 1979

PART B

CODED POINTS GIVE LATITUDE/LONGITUDE ALONG THE COASTWARD EDGE OF THE WARMER WATER.



NNNN:JA
ZCZC WBC909
TBXX40 KMIA 091330

MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT
09 MAY 1979.

CODED POINTS GIVE LATITUDE/LONGITUDE ALONG THE CSTWD
EDGE OF THE WARMER WATER.

220869 230869 240872 249870 243860 236850 232840 235834
240828 244820 245810 250802

MAX CURRENT LIES ABOUT 8 TO 12 NM SEAWARD OF THIS LINE

WEAK WARM CUTOFF EDDY IN CENTRAL GLF CCNTRD NR 25.5N88.0W HAS 40
TO 60 NM RADIUS..

DUE TO GULF SEA SURFACE TEMPERATURES BECOMING INCREASINGLY
ISOTHERAL
DURING NEXT FEW MONTHS UPDATES OF SIGNIFICANT CHANGES TO LOOP
CURRENT FLOW WILL BE MADE AS CONDITIONS WARRANT.

DATA FM IMAGERY 03 AND 04 MAY 79.

DUERNBERGER/BAIG

NNNN

ZCZC WBC210
TBXX40 KMIA 091330

MAY 9 9 29 AM '79

MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT
09 MAY 1979.

CODED POINTS GIVE LATITUDE/LONGITUDE ALONG THE CSTWD
EDGE OF THE WARMER WATER.

220869 230869 240872 249870 243860 236850 232840 235834
240828 244820 245810 250802

MAX CURRENT LIES ABOUT 8 TO 12 NM SEWARD OF THIS LINE

WEAK WARM CUTOFF EDDY IN CENTRAL GLF CCNTRD NR 25.5N88.0W HAS 40
TO 60 NM RADIUS..

DUE TO GULF SEA SURFACE TEMPERATURES BECOMING INCREASINGLY
ISOTHERAL
DURING NEXT FEW MONTHS UPDATES OF SIGNIFICANT CHANGES TO LOOP
CURRENT FLOW WILL BE MADE AS CONDITIONS WARRANT.

DATA FM IMAGERY 03 AND 04 MAY 79.

DUERNBERGER/BAIG

NNNN↓A
ZCZC WBC907
TBXX6 KMKC 091300
SFSS MKC SIM BASED ON DATA THRU 12Z

SFSS SECTOR 1 IS 1 MI VSB CNTRD 34N 94W AND SECTOR 2 IS 2 MI
IR WITH CURVE MB CNTRD 35N 90W...BOTH GRIDDED.

QSTNRY INTRMIN LO IS 30NE OGD. VORT MAX NE CORNER AZ IS BEST
DEFINED IN MID CLDS. TROF EXTDG SWWD TO 30N 115W IS MOVG E
15-20KT ALG AZ/MEX BDR.

VORT LOBE FM W CNTRL WY-W OK PNHDL IS ROTG ENE ABT 25KT.

JET SEGMENT CURVES ACYCLY FM SW KS ACRS S MN-SW QUEBEC. ERYR
SPD MAX IS DFUSG OVR SW ONT. OVRNG CNVTN SHOWS GRDL DCRG TREND
AS IT SHFTS RPDLY NEWD. STGST UPR DIFLUENCE ATTM IS OVR E DAKS.

UPR IMPL SW AR-S CNTRL LA IS MOVG NE 25KT WITH LA PTN SWINGING
EWD ABT 30KT. BKN LO/MID CLDS OVR MS/AL ARE SPRDG NNE OVR W TN.

NWD FLOW OF LWR CLDS FM E TX-CNTRL KS IS SHFTG E ABT 15KT OVR
SRN KS. OLSON

↓A
ZCZC WBC015
SXNTI KWBC 092100
GULF STREAM LOCATION † THE LINE DESCRIBED BY THE FOLLOWING
SEQUENCE OF POINTS REPRESENTS THE WEST WALL OF THE GULF STREAM.

27.0/80.0 29.0/80.0 30.5/80.1 31.5/79.5
32.2/78.5 32.3/77.4 33.5/76.4 34.5/75.5
35.0/75.1 36.1/73.5 36.2/72.2 36.4/71.5
38.3/69.6 36.6/66.9 36.6/65.2 36.9/65.0

THE MAXIMUM CURRENT OF THE GULF STREAM LIES BETWEEN 12+15 MILES
SEAWARD OF THIS LINE. LATEST SATELLITE DATA 09 MAY 79 AT 0900Z

GULF STREAM SYSTEM FLOW CHART # 2450

220869 230873 240878 250885 260890
 266880 268870 268860 265854 255853
 246850 246845 249839 245831 245824
 244819 247805 255800 //

NOAA Miami SFSS

Date: 11 MAY 1979

Depicted land areas should not be used for navigation.

(-----) Position based on data up to 7 days old.

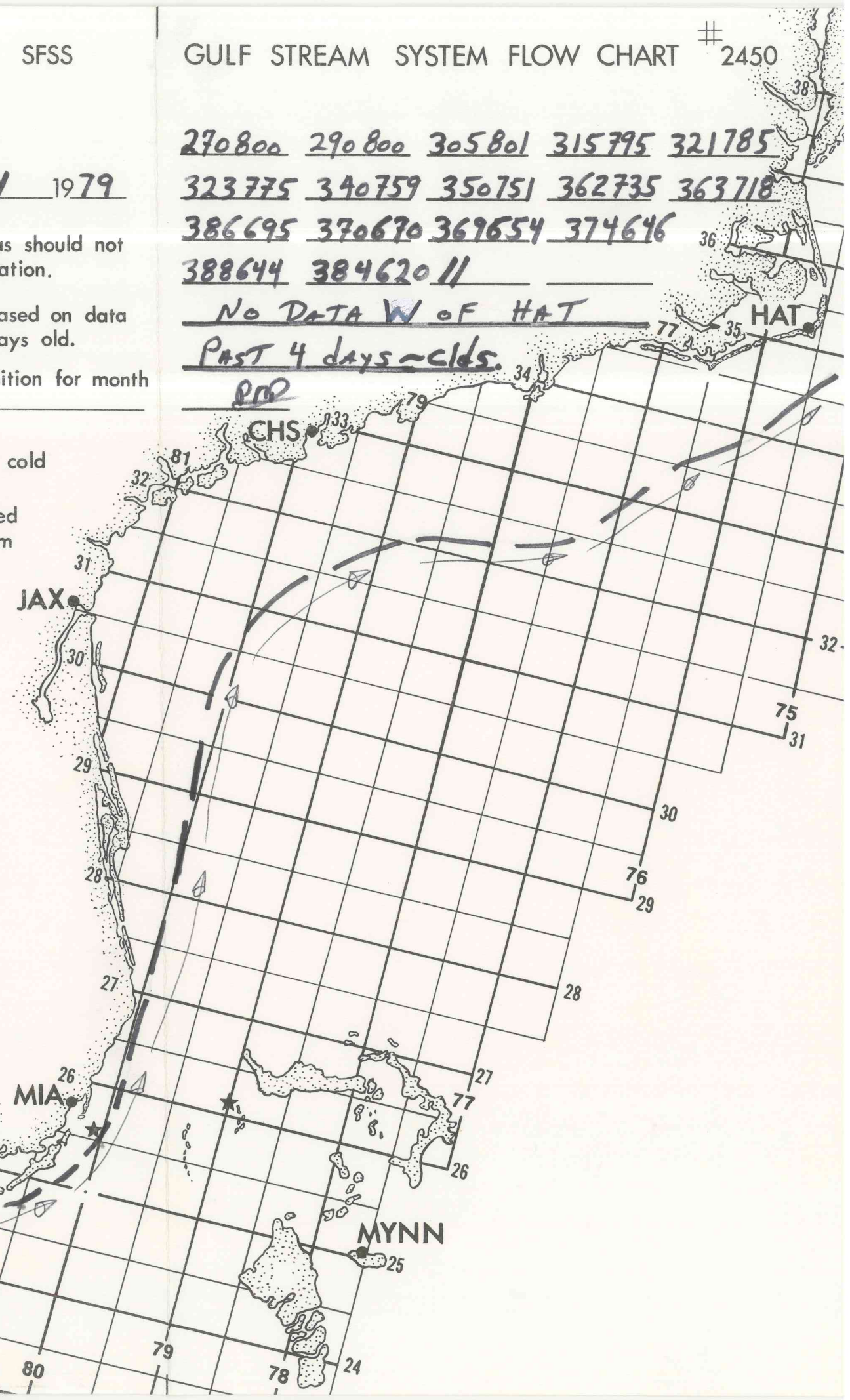
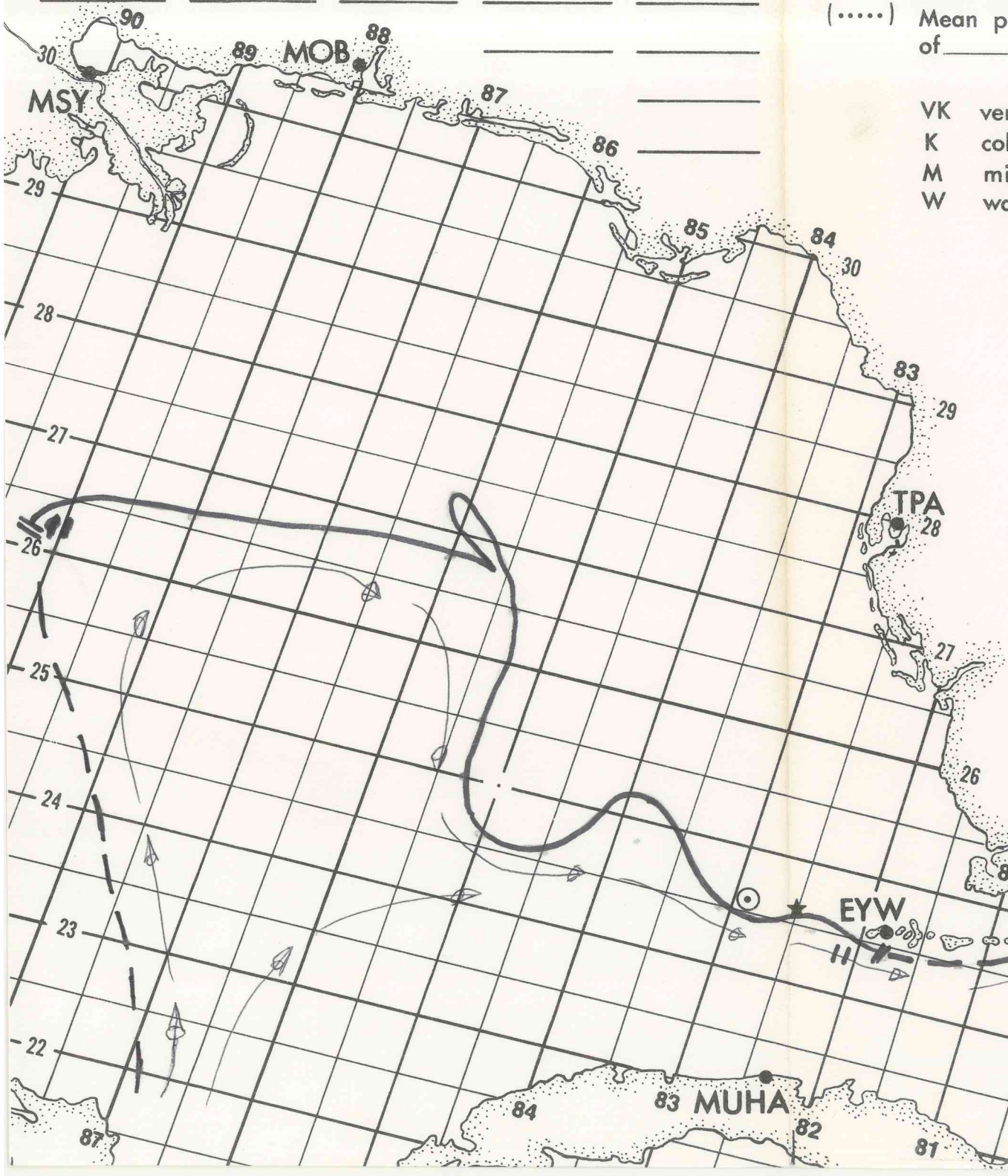
(.....) Mean position for month of _____

VK very cold
 K cold
 M mixed
 W warm

GULF STREAM SYSTEM FLOW CHART # 2450

270800 290800 305801 315795 321785
 323775 340759 350751 362735 363718
 386695 370670 369654 374646
 388644 384620 //

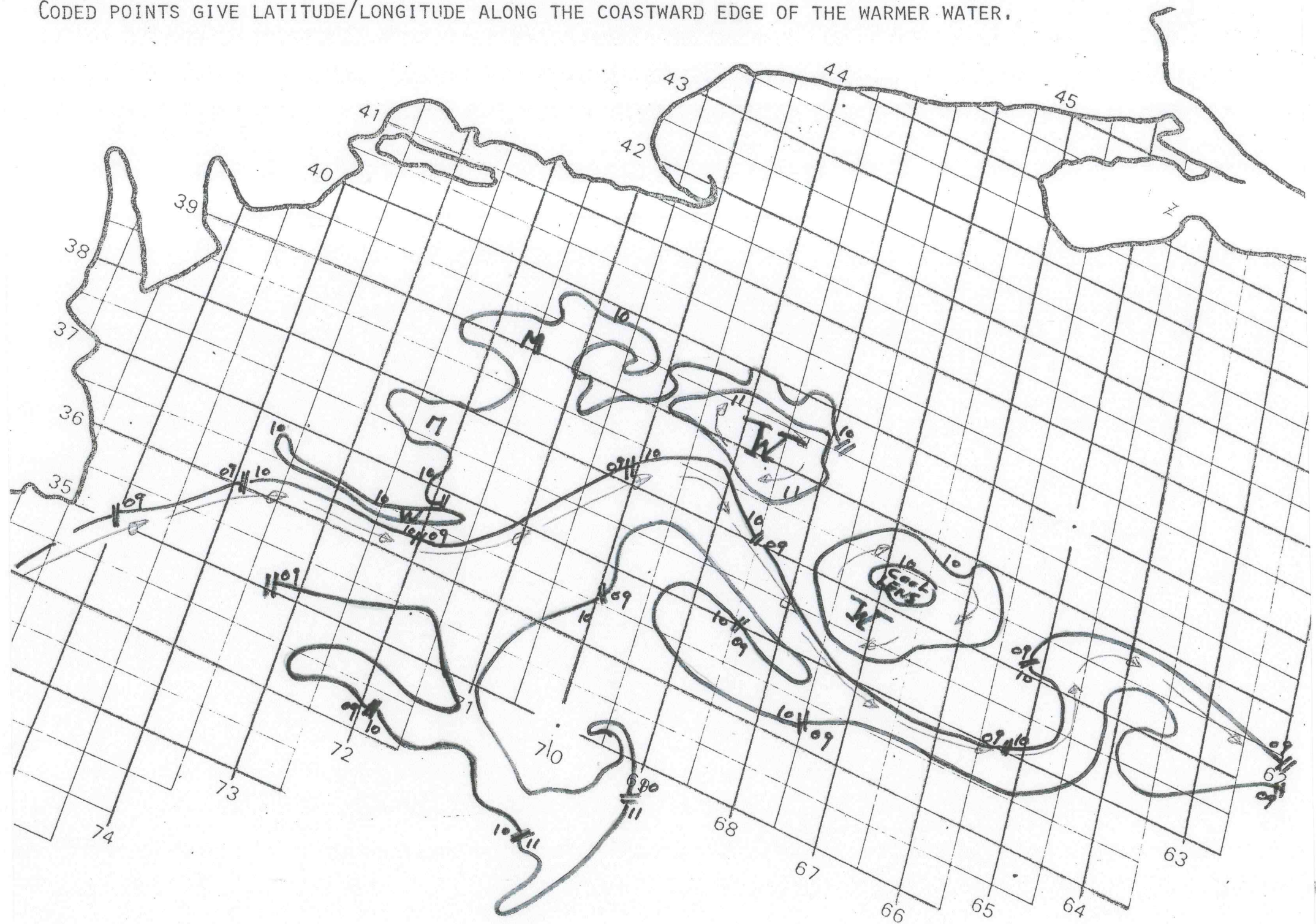
No DATA W OF HAT
Past 4 days - clds.



MIAMI SFSS ANALYSIS OF THE GULF STREAM: 11 MAY 1979

PART B

CODED POINTS GIVE LATITUDE/LONGITUDE ALONG THE COASTWARD EDGE OF THE WARMER WATER.



NNNN↓
ZCZC WBC393
TBXX40 KMIA 111345

MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT
11 MAY 1979.

CODED POINTS GIVE LATITUDE/LONGITUDE ALONG THE CSTWD
EDGE OF THE WARMER WATER.

220869 230873 240878 250885 260890 266880 268870 268860
265854 255853 246850 246845 249839 245831 245824 244819
247805 255800

MAX CURRENT LIES ABOUT 8 TO 12 NM SEAWARD OF THIS LINE

ISOTHERMAL CONDITIONS MAKE GLF LOOP CURRENT ANALYSIS DIFFICULT.
DIGITAL DATA INDICATES FLOW HAS OPENED
N OF YUCATAN THIS WEEK. COOLER TEMPS INDICATED BTWN
84 TO 85W IN E GLF..

DATA FM IMAGERY 10 AND 11 MAY 79.

DUERNBERGER/BAIG

NNNN

ZCZC WBC964
TBXX40 KMIA 111345

MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT
11 MAY 1979.

CODED POINTS GIVE LATITUDE/LONGITUDE ALONG THE CSTWD
EDGE OF THE WARMER WATER.

220869 230873 240878 250885 260890 266880 268870 268860
265854 255853 246850 246845 249839 245831 245824 244819
247805 255800

MAX CURRENT LIES ABOUT 8 TO 12 NM SEAWARD OF THIS LINE

ISOTHERMAL CONDITIONS MAKE GLF LOOP CURRENT ANALYSIS DIFFICULT.
DIGITAL DATA INDICATES FLOW HAS OPENED
N OF YUCATAN THIS WEEK. COOLER TEMPS INDICATED BTWN
84 TO 85W IN E GLF..

DATA FM IMAGERY 10 AND 11 MAY 79.

DUERNBERGER/BAIG

MM 11 9 59 AM '79

20869 230873 240878 250885 260890
 66880 268870 268860 265854 255853
 46850 246845 249839 245831 245824
 44819 247805 255800 //

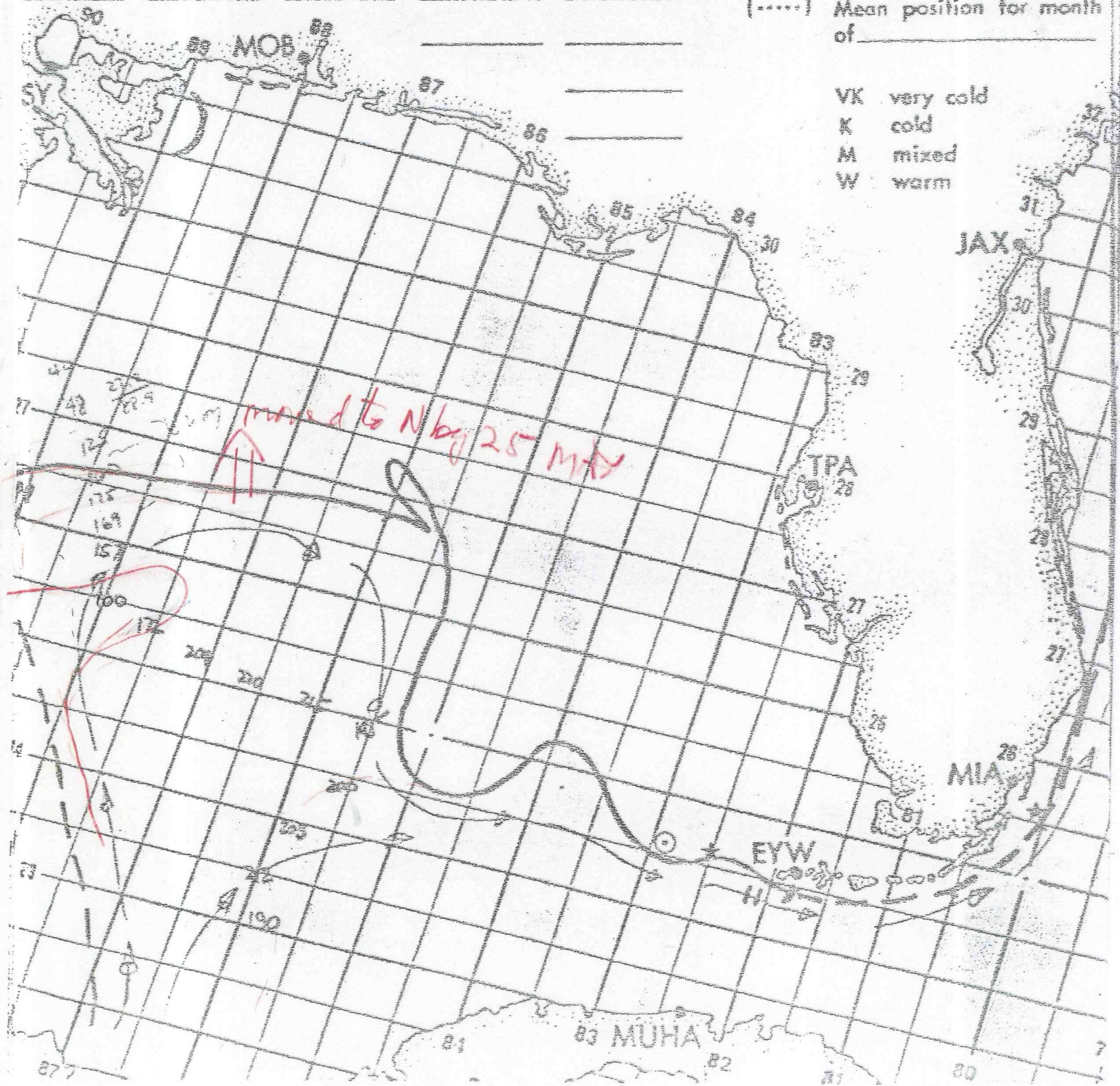
Date: 11 MAY 1979

Depicted land areas should not be used for navigation.

(-----) Position based on data up to 7 days old.

(.....) Mean position for month of _____

VK very cold
 K cold
 M mixed
 W warm



GULF STREAM SYSTEM FLOW CHART # 2450

249861 250855 246848 249840 248835
 244830 245824 245817 246810 248805
 255800 260797//

NOAA Miami SFSS

Date: 14 MAY 1979

Depicted land areas should not be used for navigation.

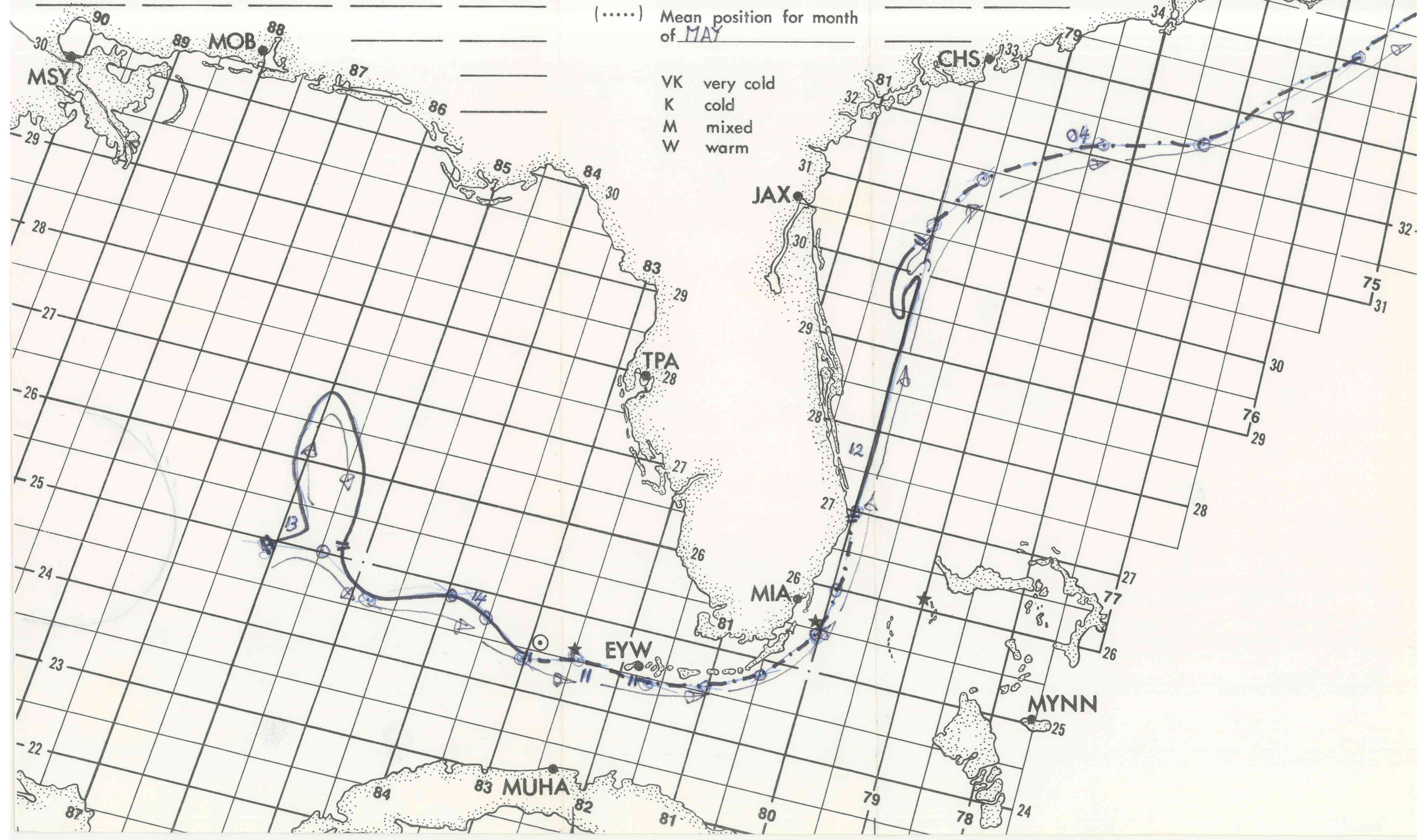
(---) Position based on data up to 10 days old.

(.....) Mean position for month of MAY

VK very cold
 K cold
 M mixed
 W warm

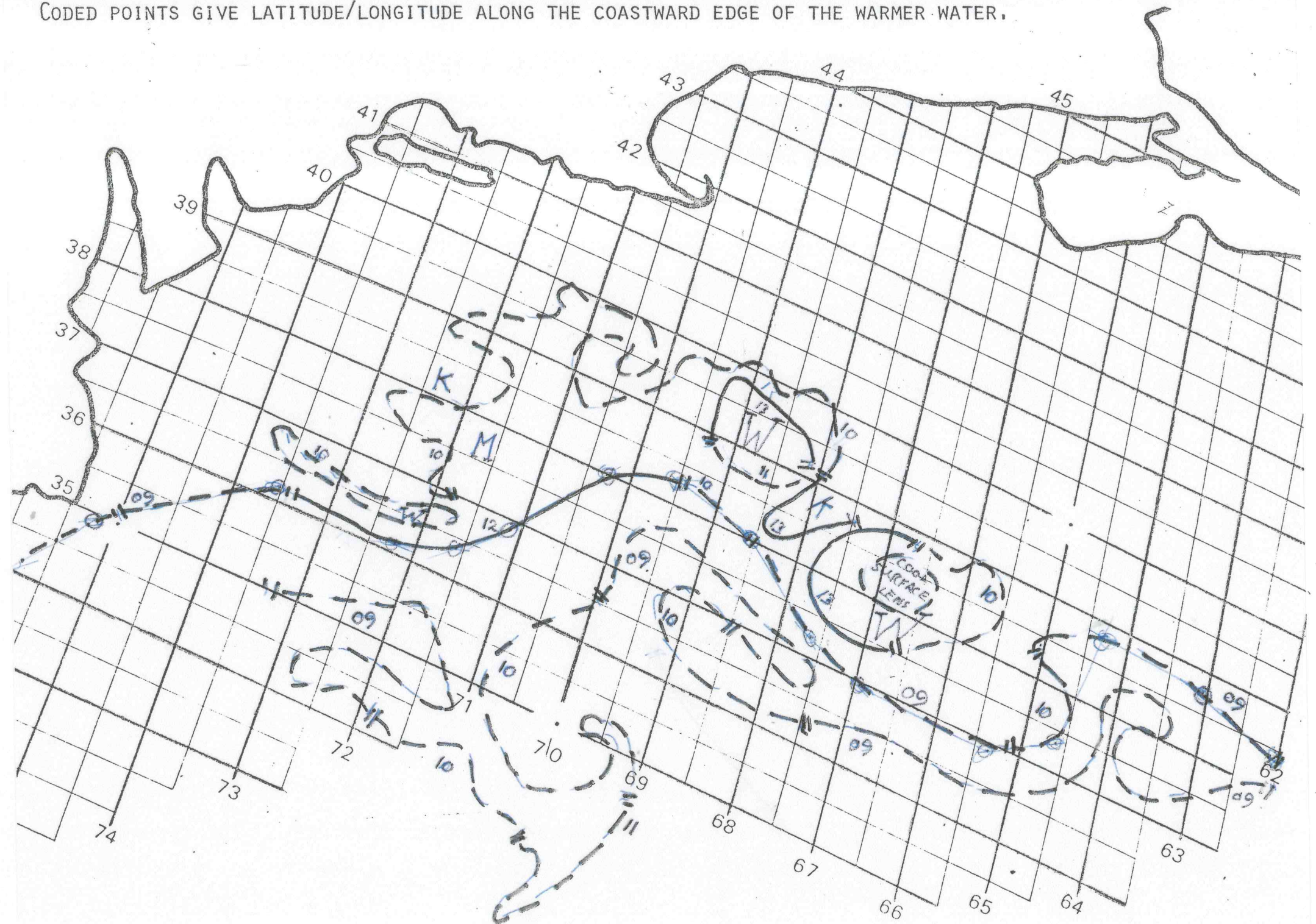
GULF STREAM SYSTEM FLOW CHART # 2450

270800 307800 314796 322784 325773
 341757 341752 361735 361722 364716
 369711 380702 383695 380685
 372676 370670 369652 374646
 388643 387630 384620//



MIAMI SFSS ANALYSIS OF THE GULF STREAM: 14 MAY 1979 PART B

CODED POINTS GIVE LATITUDE/LONGITUDE ALONG THE COASTWARD EDGE OF THE WARMER WATER.



ZCZC WBC052
TBXX40 KNIA 141345

MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT
14 MAY 1979.

CODED POINTS GIVE LATITUDE/LONGITUDE ALONG THE CSTWD
EDGE OF THE WARMER WATER.

249861 250855 246848 249840 248835 244830 245824 245817
246810 248805 255800 260799.

MAX CURRENT LIES ABOUT 8 TO 12 NM SEWARD OF THIS LINE.

NEARLY ISOTHERMAL CONDITIONS MAKE GLF LOOP CURRENT ANALYSIS
DIFICULT.

MEANDER FM 25N TO 27N BTN 85W AND 86W.

DATA FM IMAGERY 13 AND 14 MAY 79.

BAIG

MAY 14 10 03 AM '79

NNNNJA
ZCZC WBC020
BXX40 KMIA 141345

MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT
14 MAY 1979.

CODED POINTS GIVE LATITUDE/LONGITUDE ALONG THE CSTWD
EDGE OF THE WARMER WATER.

249861 250855 246848 249840 248835 244830 245824 2
5817
246810 248805 255800 260799.

MAX CURRENT LIES ABOUT 8 TO 12 NM SEAWARD OF THIS LINE.

NEARLY ISOTHERMAL CONDITIONS MAKE GULF LOOP CURRENT ANALYSIS
DIFFICULT.
MEANDER FM 25N TO 27N BTN 85W AND 86W.

DATA FROM MAGERY 13 AND 14 MAY 79.

BAIG

MAY 14 11 03 AM '79

NNNNJA
ZCZC WBC080
SXNT1 KWBC 142010
GULF STREAM LOCATION + THE LINE DESCRIBED BY
THE FOLLOWING SEQUENCE OF POINTS REPRESENTS
THE WEST WALL OF THE GULF STREAM.

27.0/80.0 30.7/80.0 31.4/79.6 32.2/78.4
32.5/77.3 34.1/77.7 34.1/75.2 36.1/73.5
36.1/72.2 36.3/71.6 36.9/71.1 37.9/70.2
38.1/69.5 38.0/68.5 37.2/67.6 37.0/67.0
36.9/65.3 37.4/64.6 38.8/64.3 38.9/63.0
38.7/62.0

THE MAXIMUM CURRENT OF THE GULF STREAM LIES
BETWEEN 12 TO 15 MILES SEAWARD OF THIS
LINE. LATEST SATELLITE DATA
5/14/79 0900Z

220865 230863 238857 240850 245840

245831 243827 245810 250803 255800

//

Date: 16 MAY 1979

270800 306801 321790 334770 350751

361735 362710 382700 369665 370650

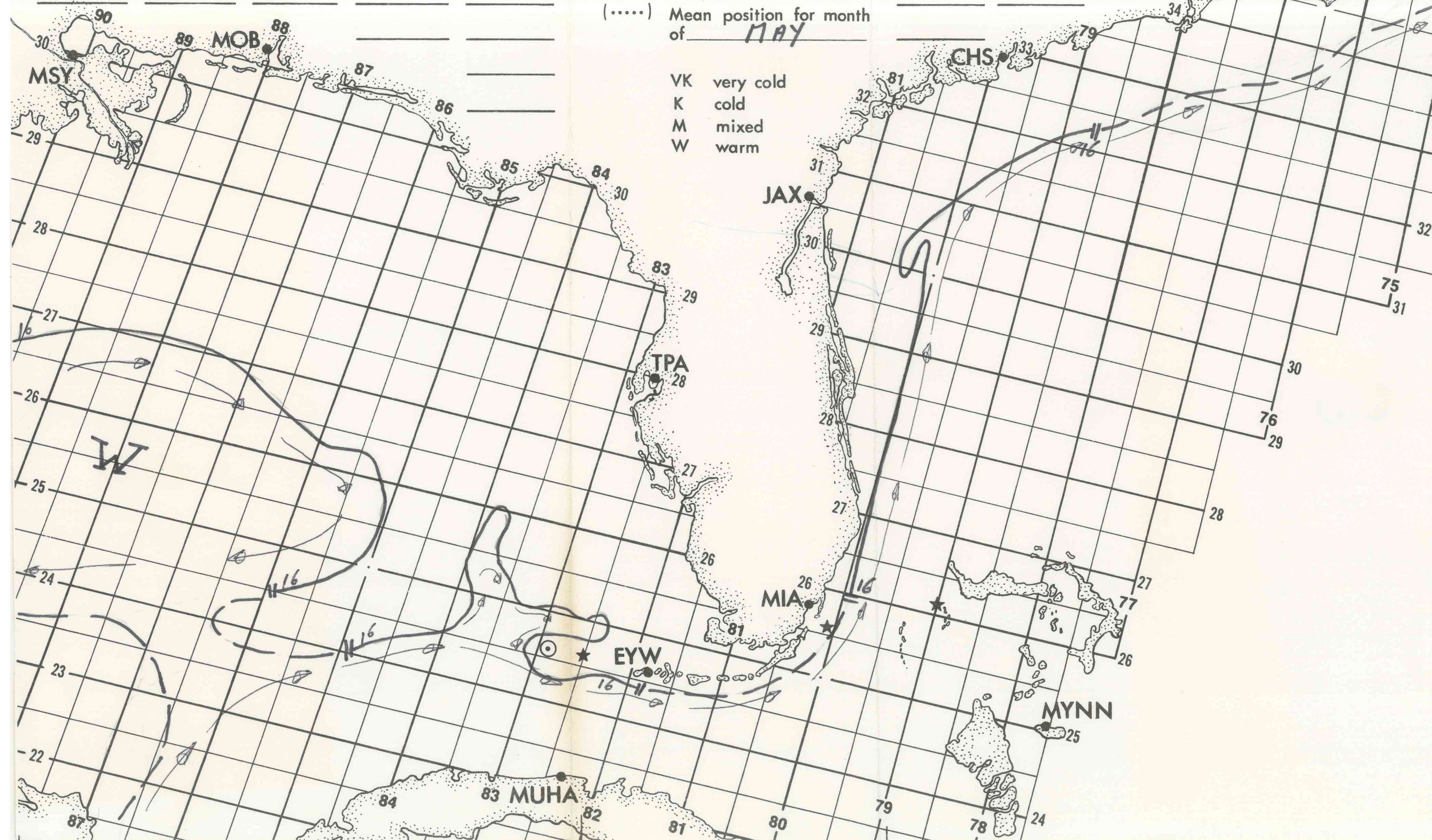
375645 387644 38262 //

Depicted land areas should not be used for navigation.

(-----) Position based on data up to 7 days old.

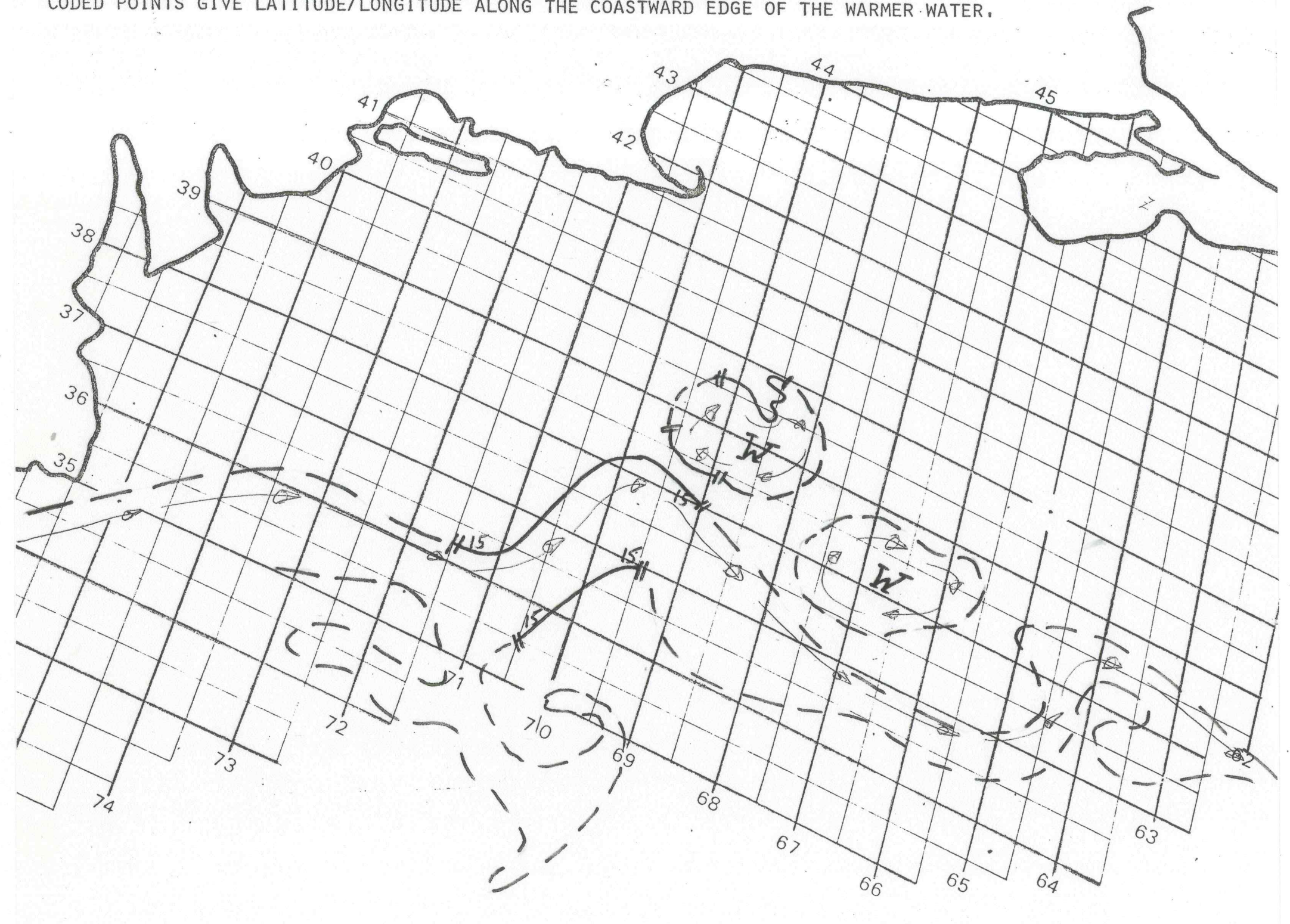
(.....) Mean position for month of MAY

VK very cold
K cold
M mixed
W warm



MIAMI SFSS ANALYSIS OF THE GULF STREAM: 16 MAY 1979 PART B

CODED POINTS GIVE LATITUDE/LONGITUDE ALONG THE COASTWARD EDGE OF THE WARMER WATER.



NNNN

ZCZC WBC771
TBXX40 KNIA 161330

MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT
16 MAY 1979.

CODED POINTS GIVE LATITUDE/LONGITUDE ALONG THE CSTWD
EDGE OF THE WARMER WATER.

220865 230863 238857 240850 245840 245831 243827 245810
250803 255800.

MAX CURRENT LIES ABOUT 8 TO 12 NM SEAWARD OF THIS LINE.

NEARLY ISOTHERMAL CONDITIONS MAKE GLF LOOP CURRENT ANALYSIS
DIFICULT. DIGITAL DATA OF LTL HELP IN DEFINITION OF CURRENT
LOCATION..

PREVIOUS CUTOFF EDDY IN CNTRL GLF HAS GOOD DEFINITION INDICATING
SOME WARM INFLUX PAST SEVERAL WEEKS..

DATA FM IMAGERY 15 AND 16 MAY 79.

DUERNBERGER

MAY 16 9 38 AM '79

NNNN

NNNN↓A
ZCZC WBC401
TBXX40 KMIA 161330

MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT
16 MAY 1979.

CODED POINTS GIVE LATITUDE/LONGITUDE ALONG THE CSTWD
EDGE OF THE WARMER WATER.

220865 230863 238857 240850 245840 245831 243827 245810
250803 255800.

MAX CURRENT LIES ABOUT 8 TO 12 NM SEAWARD OF THIS LINE.

NEARLY ISOTHERMAL CONDITIONS MAKE GLF LOOP CURRENT ANALYSIS
DIFICULT. DIGITAL DATA OF LTL HELP IN DEFINITION OF CURRENT
LOCATION..

PREVIOUS CUTOFF EDDY IN CNTRL GLF HAS GOOD DEFINITION INDICATING
SOME WARM INFLUX PAST SEVERAL WEEKS..

DATA FM IMAGERY 15 AND 16AM 79.

DUERNBERGER

MAY 16 9 50 AM '79

NNNN↓A

15°C	35.6	74.2
150 ⁿ	35.8	73.7
200 ⁿ	35.9	72.9

Ocean surface for

20 m depth 15°C line

GULF STREAM SYSTEM FLOW CHART # 2450

NOAA Miami SFSS

GULF STREAM SYSTEM FLOW CHART # 2450

MAIN FLOW
 236861 242847 242840 245835 243828
 245822 245813 248804 255801 260799 //
INSIDE EDDY (ALYC) FLOW
 255966 268894 270888 270873 268865
 263860 263854 253848 249852 //
XTSV CLD CUR S OF 25N W OF 85W.

270800 285800 310802 312795 325780
 326775 335771 339762 358747 362738
 363727 362722 364709 383697
 382691 370671 368655 373644
 386639

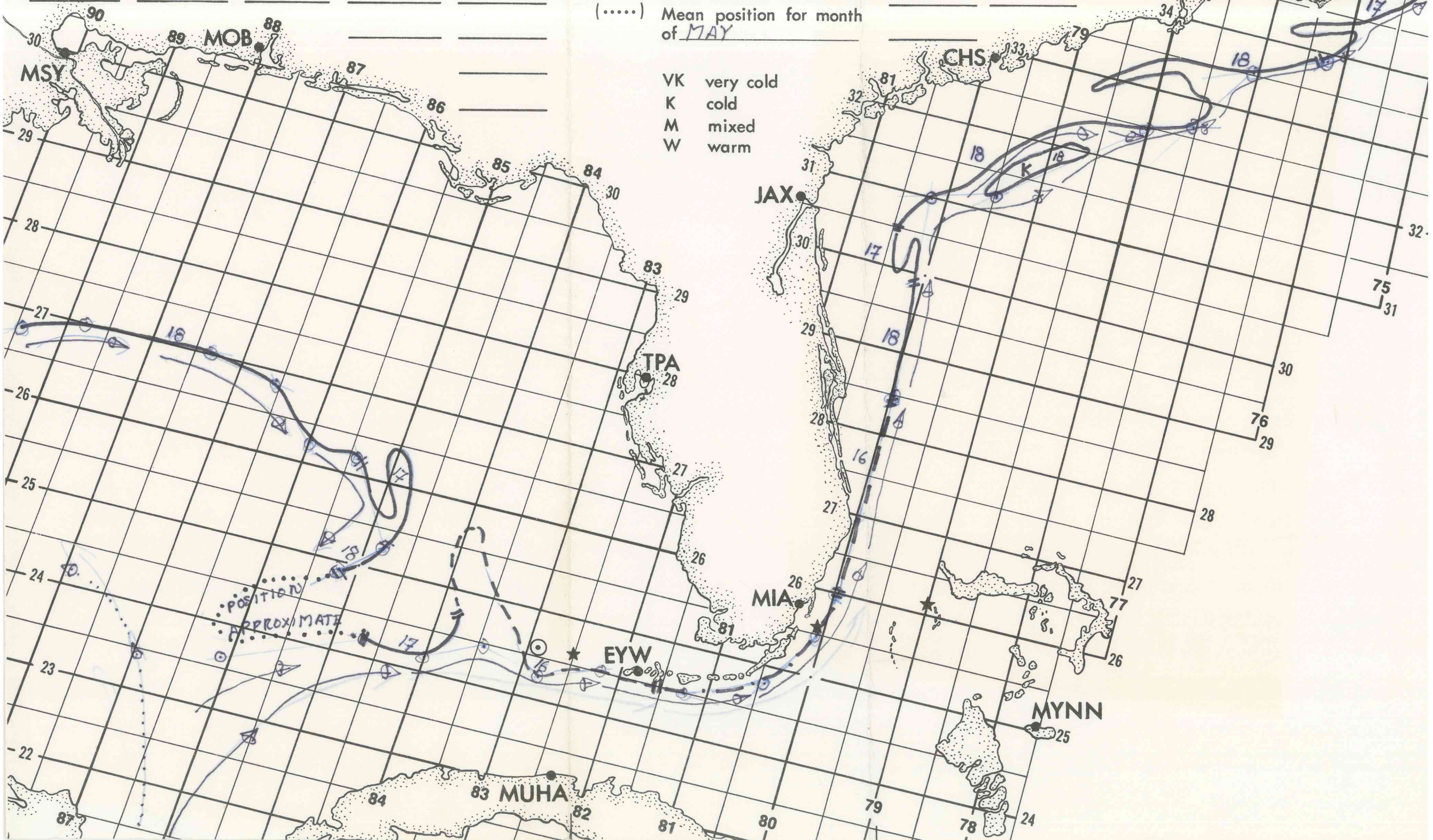
Date: 18 MAY 1979

Depicted land areas should not be used for navigation.

(-----) Position based on data up to 7 days old.

(.....) Mean position for month of MAY

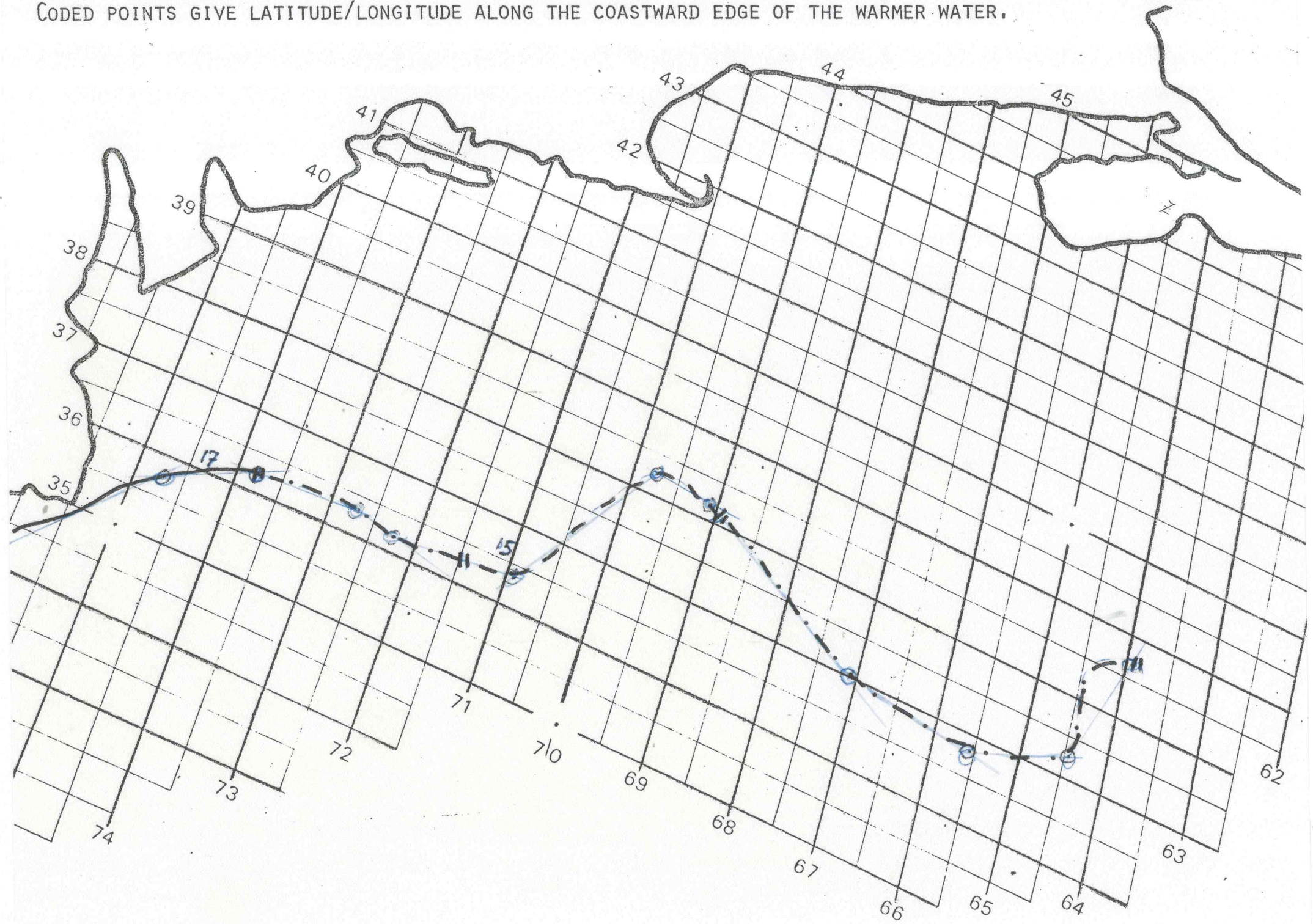
VK very cold
 K cold
 M mixed
 W warm



MIAMI SFSS ANALYSIS OF THE GULF STREAM: 18 MAY 1979

PART B

CODED POINTS GIVE LATITUDE/LONGITUDE ALONG THE COASTWARD EDGE OF THE WARMER WATER.



NNNNJA
ZCZC WBC824
TBXX40 KMIA 181345

MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT
18 MAY 1979.

CODED POINTS GIVE LATITUDE/LONGITUDE ALONG THE CSTWD
EDGE OF THE WARMER WATER.

MAIN FLOW 236861 242847 242840 245835 243828 245822
245813 248804 255801 260799.

MAX CURRENT LIES ABOUT 8 TO 12 NM SEAWARD OF THIS LINE.
MAIN FLOW REMAINS APT 80 NM SEAWARD OF CUBAN CST W OF 81W.

INSIDE EDDY...ACYC...FLOW 255906 268894 270888 270873
268865 263860 263854 253848 249852.
MEANDER VCNTY 26N85W SUGGESTS SOME INFLOW CONTS N OF YUCATAN
CHANNEL INTO MAIN EDDY WHICH NOW XTDS FM 85W TO 91W S OF 27N

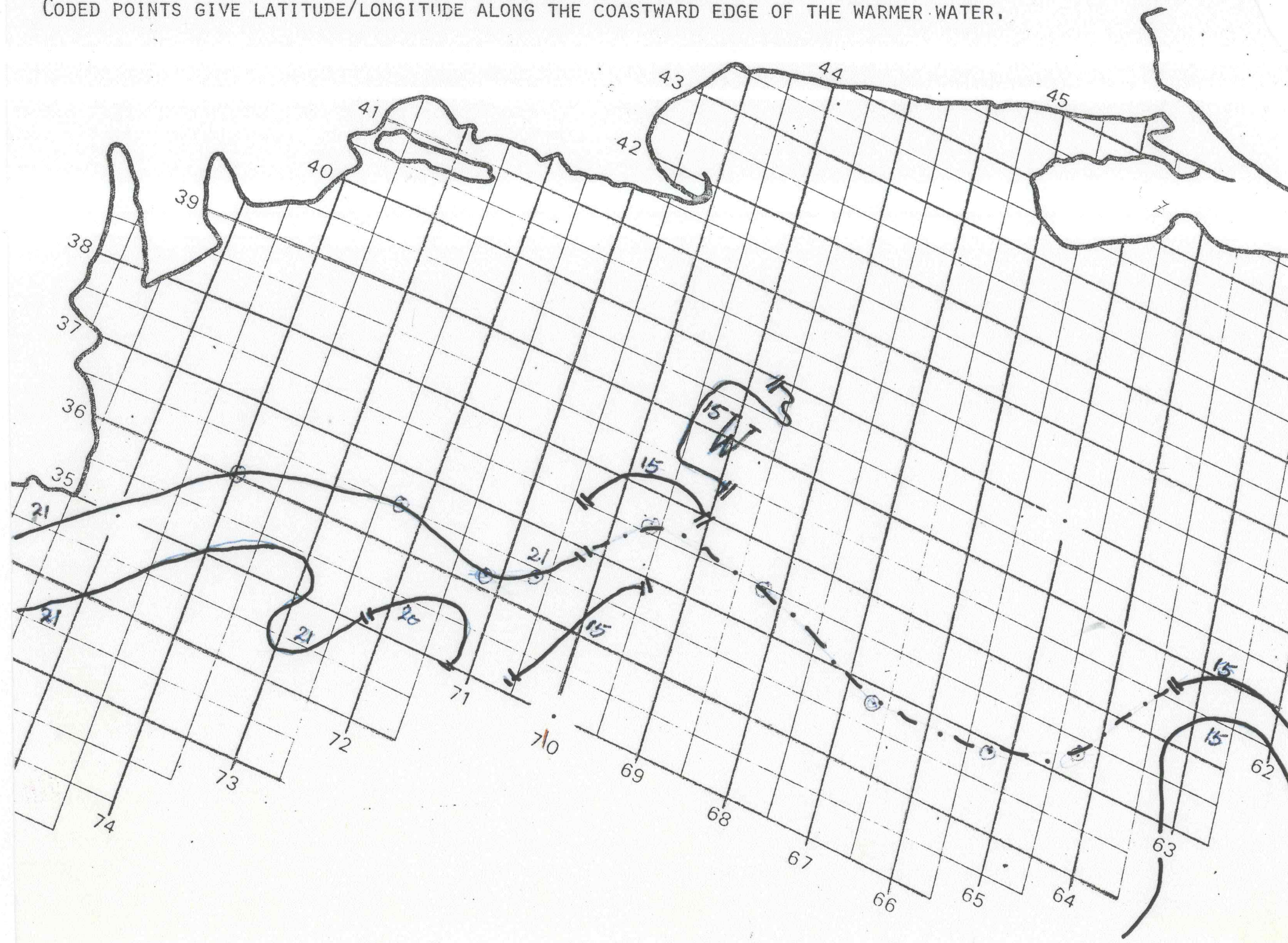
XTSV CLD CVR S OF 25N W OF 85W PREVENTS ANALYSIS OF FRONTS
THIS AREA. SEE TROPAN CHART 2450 FOR DETAILS.
DATA FM IMAGERY 17 AND 18 MAY 79.

BAIG/DUERNBERGER

MIAMI SFSS ANALYSIS OF THE GULF STREAM: 21 MAY 1979

PART B

CODED POINTS GIVE LATITUDE/LONGITUDE ALONG THE COASTWARD EDGE OF THE WARMER WATER.



GULF STREAM SYSTEM FLOW CHART #2450

220865 230862 240855 242846 240840
243830 244820 245810 250801 //

LARGE Warm Eddy remains bTWN
24 To 27 N from 85 W to 91 W.

NOAA Miami SFSS

Date: 23 MAY 19 79

Depicted land areas should not be used for navigation.

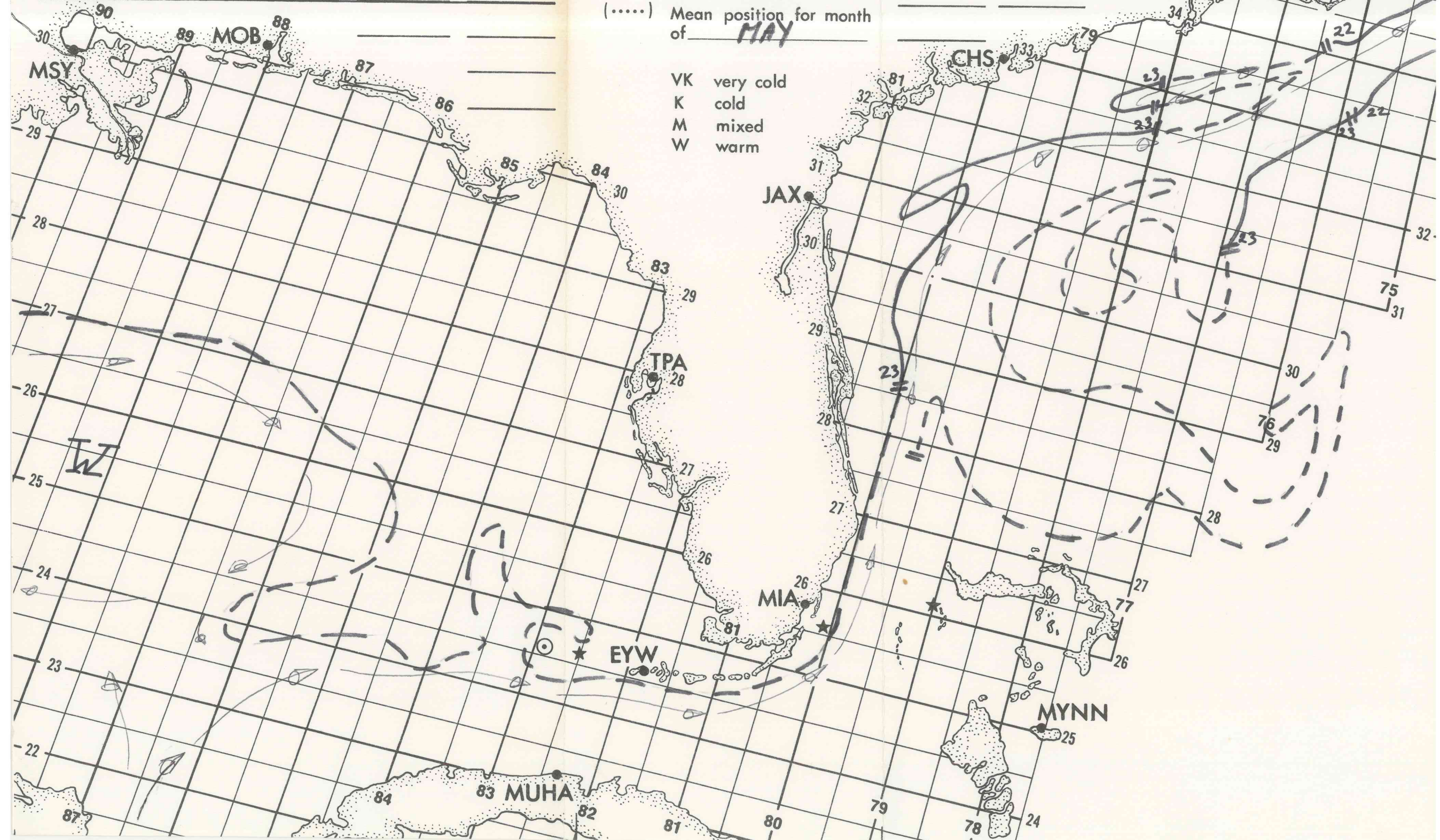
(-----) Position based on data up to 7 days old.

(.....) Mean position for month of MAY

VK very cold
 K cold
 M mixed
 W warm

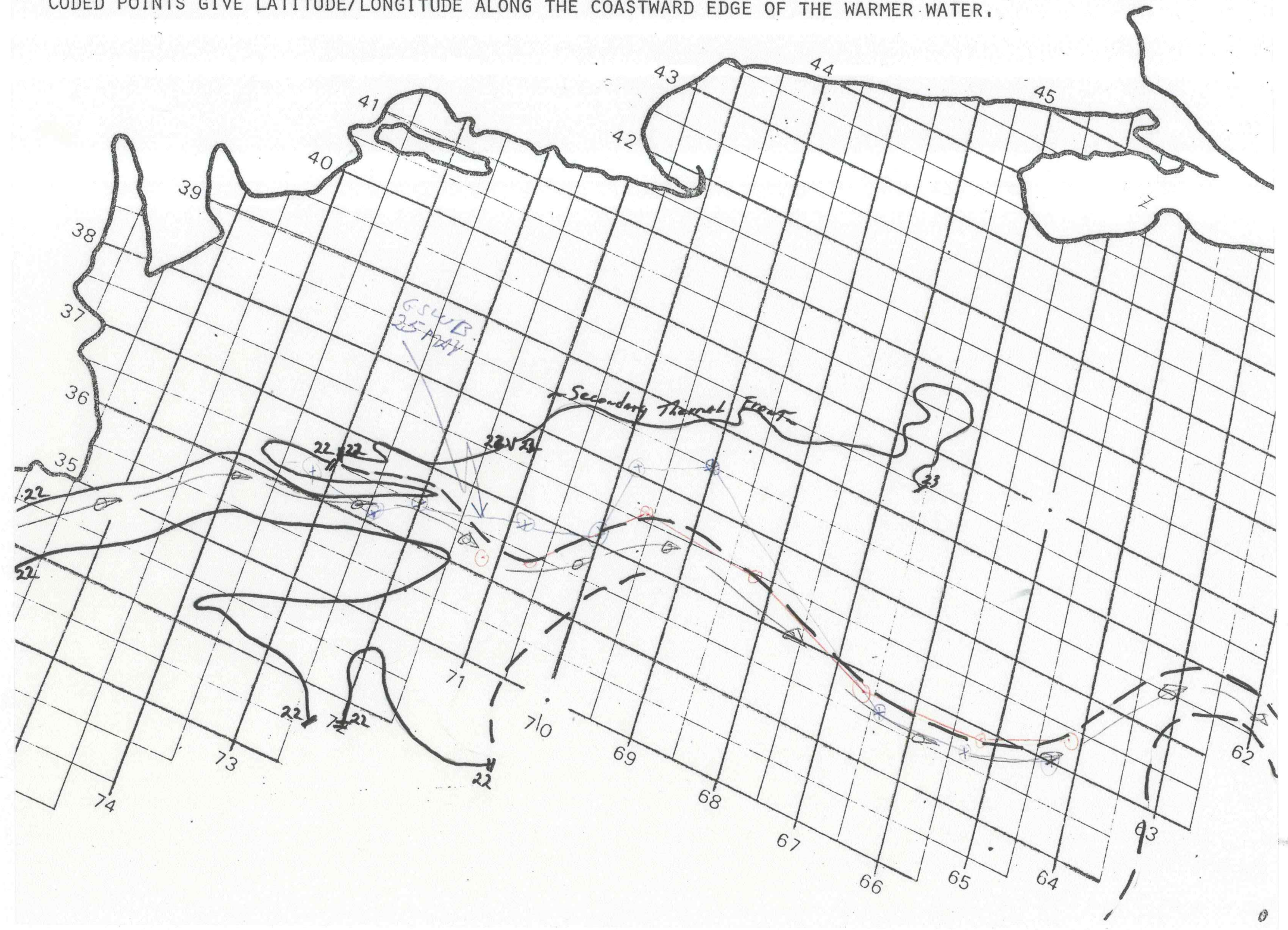
GULF STREAM SYSTEM FLOW CHART #2450

270800 288800 297803 317796 326775
350752 362740 360730 367718 364708
376695 368660 370645 390628
389618 //



MIAMI SFSS ANALYSIS OF THE GULF STREAM: 23 MAY 1979 PART B

CODED POINTS GIVE LATITUDE/LONGITUDE ALONG THE COASTWARD EDGE OF THE WARMER WATER.



VMMMMMMMMMM

*
NHC NWS CGBL
LOOKS OK NOW FOR SVC WU MIAMI

..
DTHANK YOUO
WU INFOMASTER

*
NHC NWS CGBL

012479CI43 1112EST
ZCZC 00001 COLLECT CORAL GABLES FL MAY 23
TWX 710 933 5961 WU FYISVC MAWA
FYI SVC UPPER SADDLE RIVER NJ
BT
LOOP REPORT 23 MAY 1979

MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT
23 MAY 1979.

CODED POINTS GIVE LATITUDE/LONGITUDE ALONG THE CSTWD
EDGE OF THE WARMER WATER.

MAIN FLOW 236361 242345 239341 244334 242327 245327.

MAX CURRENT LIES ABOUT 3 TO 12 NM SEAWARD OF THIS LINE.
MAIN FLOW REMAINS APT 30 NM SEAWARD OF CUBAN CST W OF 31W.

INSIDE EDDY...ACYC...FLOW 255906 263394 270333 270373
263365 263360 263354 253343 249352.
MEANDER VCNTY 26N35W SUGGESTS SOME INFLOW CONTS N OF YUCATAN
CHANNEL INTO MAIN EDDY WHICH NOW XTDS FM 85W TO 91W S OF 27N
LTL NEW DATA FRM 21 TO 23 MAY DUE TO CLD COVER. DATA FM IMAGERY 17
THRU 23 MAY 79.

D

NESS/NWS VIA WESTERN UNION
NATIONAL WEATHER SERVICE CORAL GABLES FL
TELEX 515769 NHC NWS CGBL
NNNN

ACCEPTED
00001

1-PC

NNNN

ZCZC WBC393
TBXX40 KMIA 231330

MAY 23 9:40 AM '79

MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT
23 MAY 1979.

CODED POINTS GIVE LATITUDE/LONGITUDE ALONG THE CSTWD
EDGE OF THE WARMER WATER.

MAIN FLOW 236861 242845 239841 244834 242827 245820.

MAX CURRENT LIES ABOUT 8 TO 12 NM SEWARD OF THIS LINE.
MAIN FLOW REMAINS ABT 80 NM SEWARD OF CUBAN CST W OF 81W.

INSIDE EDDY...ACYC...FLOW 255906 268894 270888 270873
268865 263860 263854 253848 249852.

MEANDER UCNTY 26N85W SUGGESTS SOME INFLOW CONTS N OF YUCATAN
CHANNEL INTO MAIN EDDY WHICH NOW XTDS FM 85W TO 91W S OF 27N
LTL NEW DATA FRM 21 TO 23 MAY DUE TO CLD COVER. DATA FM IMAGERY 17
THRU 23 MAY 79.

DUERNBERGER/BAIG

GULF STREAM SYSTEM FLOW CHART # 2450

MAIN FLOW
 239856 240847 240836 242827 244821
 244811 248804 252801 260800//
 INSIDE EDDY (REYO) FLOW
 247882 256886 262882 266874 269864
 263857 250852 243859//

NOAA Miami SFSS

Date: 25 MAY 1979

Depicted land areas should not be used for navigation.

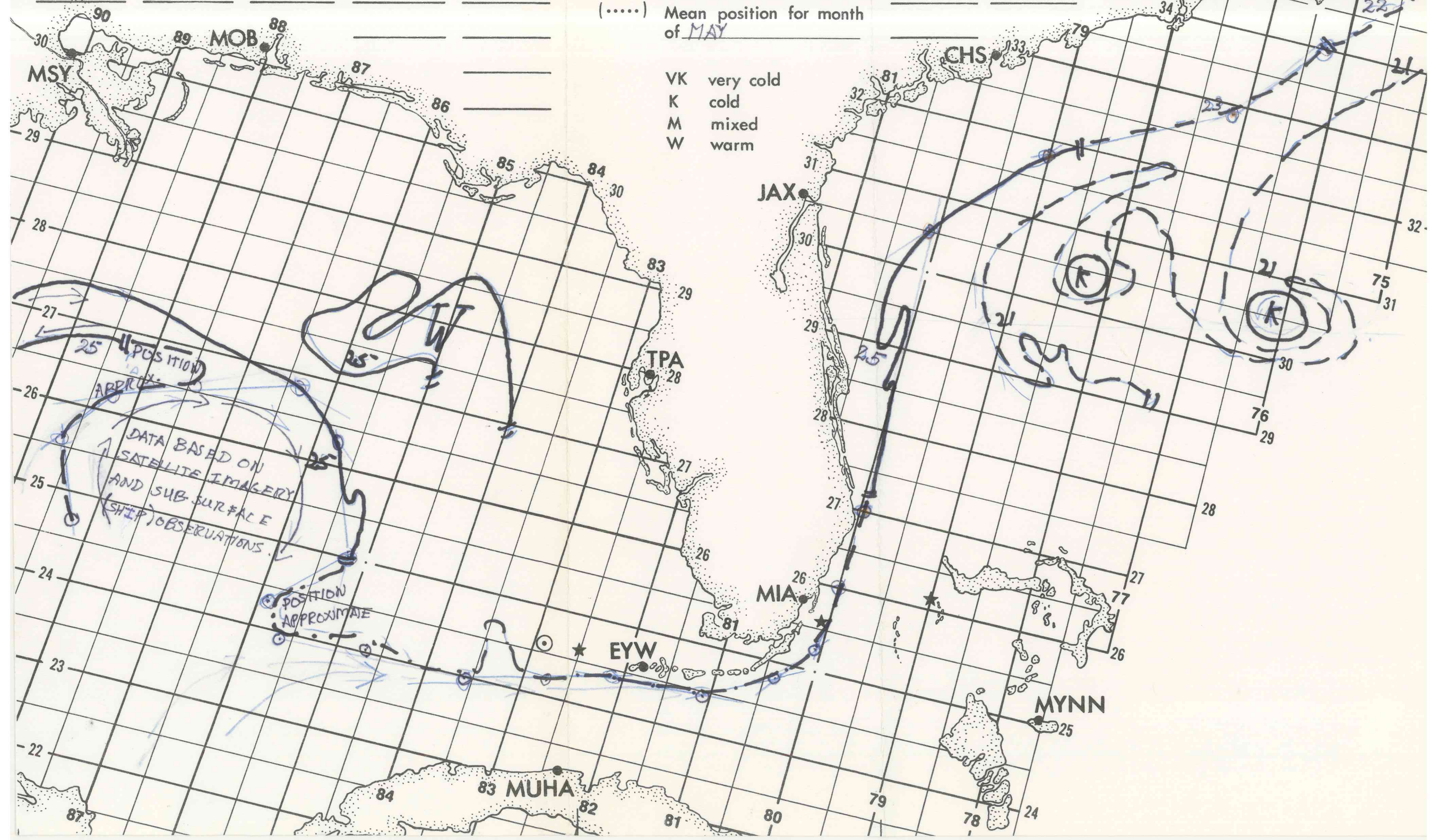
(-----) Position based on data up to 7 days old.

(.....) Mean position for month of MAY

VK very cold
 K cold
 M mixed
 W warm

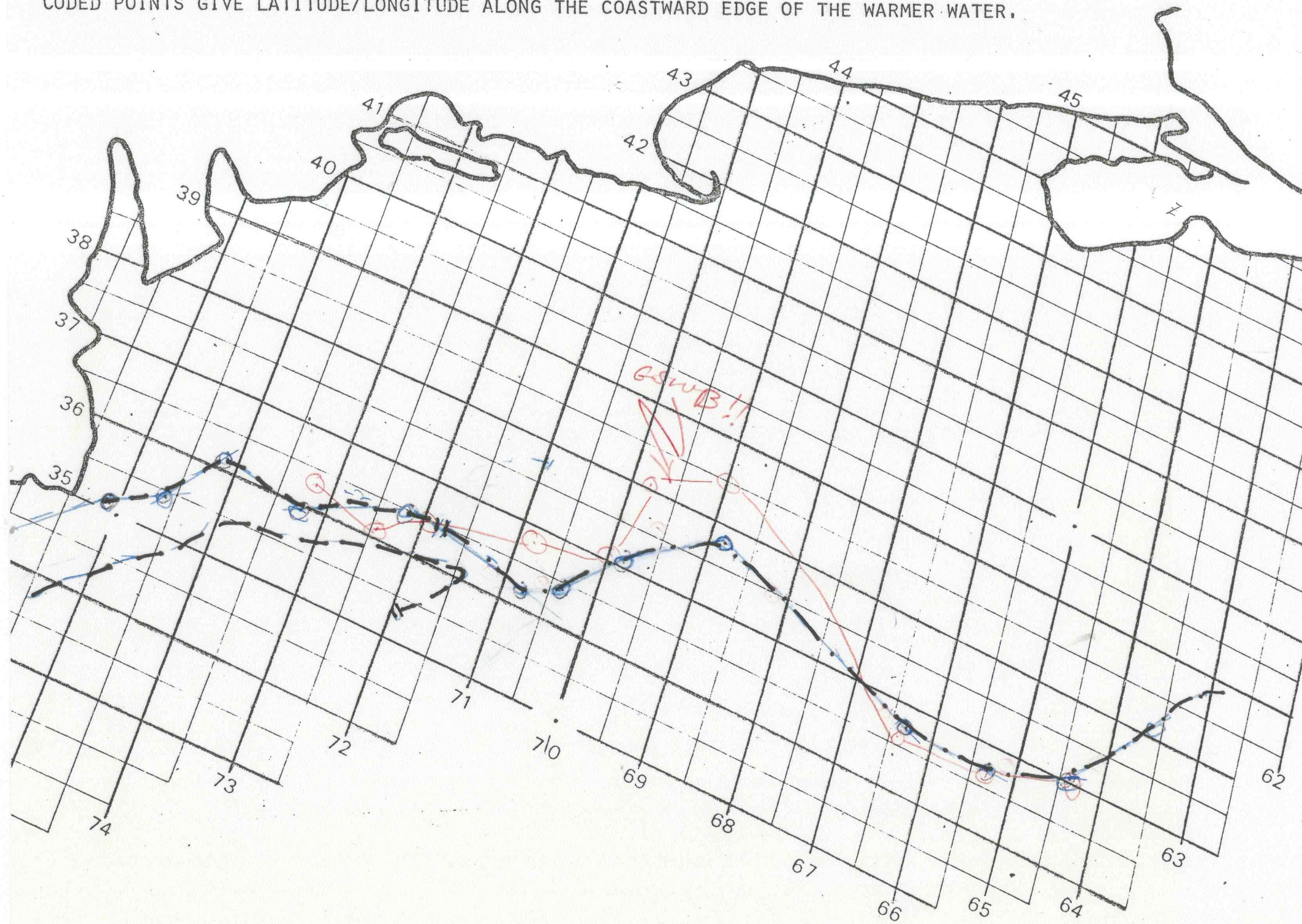
GULF STREAM SYSTEM FLOW CHART # 2450

270799 305801 318790 329771 340762
 351751 354746 361741 360732 365722
 362708 364704 371698 378688
 367664 367653 370644//



MIAMI SFSS ANALYSIS OF THE GULF STREAM: 25 MAY 1979 PART B

CODED POINTS GIVE LATITUDE/LONGITUDE ALONG THE COASTWARD EDGE OF THE WARMER WATER.



GULF STREAM SYSTEM FLOW CHART # 2450

NOAA Miami SFSS

MAIN FLOW

239856 240847 240836 242827 244821

244811 248804 252801 260800//

247882 256886 262882 266874 269864

263857 250852 243859//

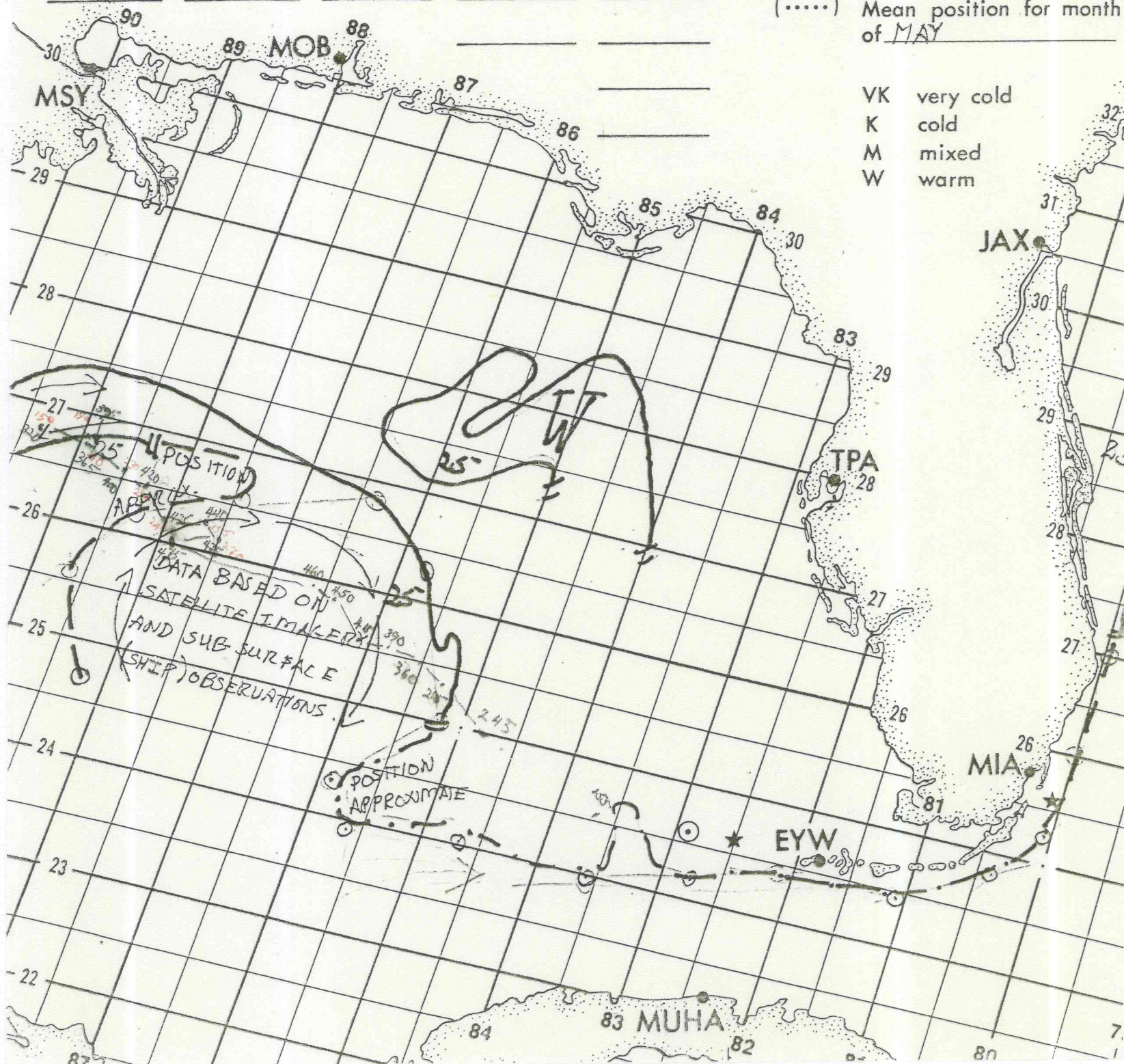
Date: 25 MAY 1979

Depicted land areas should not be used for navigation.

(-----) Position based on data up to 7 days old.

(.....) Mean position for month of MAY

VK very cold
K cold
M mixed
W warm



NNNN

ZCZC WBC205
TBXX40 KMIA 251415

MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT
25 MAY 1979.

CODED POINTS GIVE LATITUDE/LONGITUDE ALONG THE CSTWD
EDGE OF THE WARMER WATER.

MAIN FLOW 239856 240847 240836 242827 244821 244811
248804 252801 260800.

MAX CURRENT LIES ABOUT 8 TO 12 NM SEWARD OF THIS LINE.
MAIN FLOW REMAINS APT 80 NM SEWARD OF CUBAN CST W OF 81W.

INSIDE EDDY...ACYC...FLOW 247882 256886 262882 266874
269864 263857 250852 243859.
ANALYSIS W OF 85W BASED ON SATELLITE DATA AND OBSERVATIONS
FM NOAA SHIP MT. MITCHELL.
SATELLITE DATA W OF 85W FM IMAGERY 25 MAY 79.

BTIG

MAY 25 10 53 AM '79

NNNN

ZCZC
S

FAROVI MIA
TKS

TTTUNKO
WU INFOMASTER
*
NHC NWS CGBL

011061C145 1053EST
ZCZC 00001 COLLECT CORAL GABLES FL MAY 25
TWX 710 933 5961 WU FYISVC MAWA
FYI SVC UPPER SADDLE RIVER NJ
BT
LOOP REPORT 25 MAY 1979

MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT
25 MAY 1979.

CODED POINTS GIVE LATITUDE/LONGITUDE ALONG THE CSTWD
EDGE OF THE WARMER WATER.

MAIN FLOW 239356 240347 240336 242327 244321 244311
243304 252301 260300.

MAX CURRENT LIES ABOUT 3 TO 12 NM SEAWARD OF THIS LINE.
MAIN FLOW REMAINS ABT 30 NM SEAWARD OF CUBAN CST W OF 31W.

INSIDE EDDY...ACYC...FLOW 247332 256336 262332 266374
269364 263357 250352 243359.
ANALYSIS W OF 35W BASED ON SATELLITE DATA AND OBSERVATIONS
FM NOAA SHIP MT. MITCHELL.
SATELLITE DATA W OF 35W FM IMAGERY 25 MAY 79.

B

NESS/NWS VIA WESTERN UNION
NATIONAL WEATHER SERVICE CORAL GABLES FL
TELEX 515769 NHC NWS CGBL
NNNNXQ

ACCEPTED
00001 SENDING STOPPED-MSG INCOMPLETE - ERROR CORRECTED

I-PC

NHC NWS CGBL
WU INFOMASTER 12011061D145 05/25/79
SVC FROM WU INFOMASTER RTS
TLX 515769 NHC NWS CGBL
THE MESSAGE IDENTIFIED BY THE NUMBER AND HEADER SHOWN BELOW HAS BEEN
CANCELLED BECAUSE OF ERROR
SENDING STOPPED-MSG INCOMPLETE
I-011061C145 1053 EST
ZCZC 00001 COLLECT CORAL GABLES FL MAY 25
TWX 710 983 5961 WU FYISVC MAWA
FYI SVC IPPER SADDLE RIVER NJ
BT
LOOP REPORT 25 MAY 1979

VT
MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT
25 MWY 1975.

CODED POINTS GIVE LATITUDE/LONGITUDE ALONG THE CSTWD
EDGZ OF THE WARMER WATER.

MAIN FLOW 29355 243347 243336 242327 244321 244311
243304 252301 260300.

MAX

CURRENT LIES ABOUT 3 TO 12 NM SEAWARD OF THIS LINE.
MAIN FLOW REMAINS ABT 30 NM SEWARD OF CUBAN CST W OF 31W.

INSIDE EDDY.: ACYC...&/)53)5267332 :.72
/01:)&70:73&354&":7.254 26330
REBUSHW OF 35W BASDD ON SATELLITE DATA
FM COAA SHIP MT. MITCHELL.
SAETLITHYNPVUICFBVWMVB:

-234# -5 MAY G
EMO EE
B

00SZZBRKTNVBVBVBOTRNIUNNON
00E5B000ZNC0HIDNGV NBLFL
JEB569 (2?)
NNCNVX(/.)(VXKKVUXIFXCCQCVDNNMHUWMTQUQ
YGLGBUVKM/UGHCUV7:;:;)0LVRKAQOBXQKZ MNM6BTWMB&ZEXCVSXR
V00000000002001VABORVIXGSXOMS (3-HP
M TWXHLZ VNV
VXRGGGYGVS AXQSVKXPVILL QFQC0M0B0B0B0XGV/:0(&GKVUWMXLKMOV9QLQF
011061

GULF STREAM SYSTEM FLOW CHART # 2450

257879 267877 272872 268863 257854
 245851 240848//

NOAA Miami SFSS

Date 28 MAY 1979

Depicted land areas should not be used for navigation.

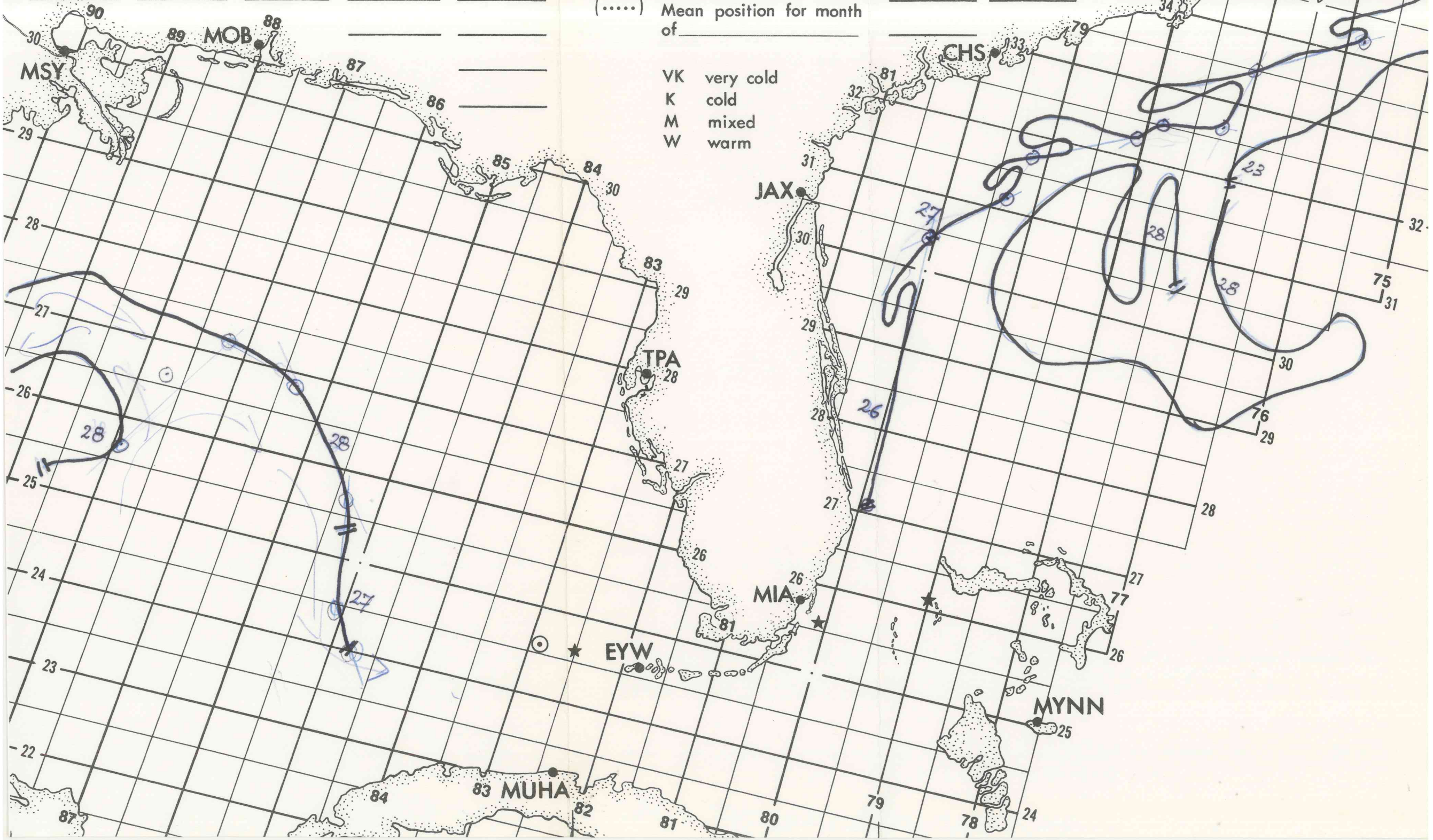
(-----) Position based on data up to 7 days old.

(.....) Mean position for month of _____

VK very cold
 K cold
 M mixed
 W warm

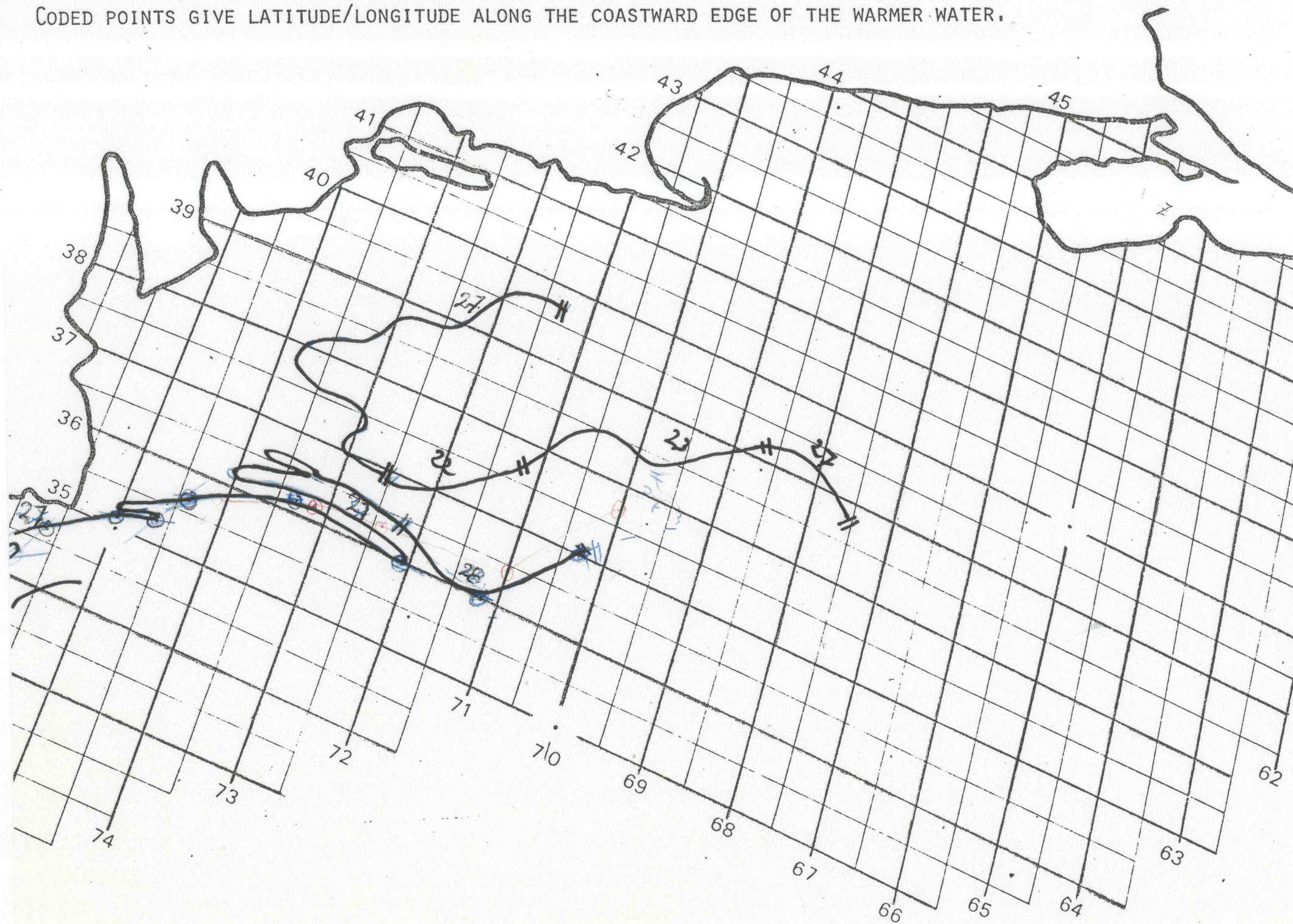
GULF STREAM SYSTEM FLOW CHART # 2450

270799 304801 311793 323781 325778
 327772 335770 342758 347756 351750
 353746 357744 362733 360721
 360712 370702//



MIAMI SFSS ANALYSIS OF THE GULF STREAM: 28 MAY 1979 PART B

CODED POINTS GIVE LATITUDE/LONGITUDE ALONG THE COASTWARD EDGE OF THE WARMER WATER.



NNNN

MAY 30 9 08 AM '79

ZCZC WBC024
TBXX40 KMIA 301345

MIAMI SFSS ANALYSIS OFM

ZCZC WBC024
TBXX40 KMIA 301345

MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT
30 MAY 1979.

CODED POINTS GIVE LATITUDE/LONGITUDE ALONG THE CSTWD
EDGE OF THE WARMER WATER.

INSIDE EDDY...ACYC...FLOW 248842 259874 272871 271865
265855 257850 250849 245845.

MAX CURRENT LIES ABT 10 NM SEWARD OF THIS LINE.
ANALYSIS W OF 87M BASED ON SATELLITE DATA AND OBSERVATIONS
FM NOAA SHIP MT. MITCHELL.
SATELLITE DATA FM IMAGERY 29 MAY 79.

THE LOOP CURRENT BULLETIN WILL NOT BE TRANSMITTED AFTER 01 JUNE
79

UNTIL AUTUMN OF 1979. THE MIAMI SFSS WILL CONTINUE TO MONITOR THE
GULF OF MEXICO DURING THE SUMMER MONTHS. TELEPHONE -305-
350-4310

FOR THE LATEST ANALYSIS DURING THIS PERIOD ...OR REQUEST FAX
CHART
NUMBER 2450.

DUERNBERGER/BAIG

NNNN

GULF STREAM SYSTEM FLOW CHART #2450

248872 259874 272871 271865 265855

257850 250849 245845 //

NOAA Miami SFSS

GULF STREAM SYSTEM FLOW CHART #2450

270799 295801 313799 318792 317787

323776 329774 331768 344758 351751

352747 358742 361732 361724

359716 361710 370701 //

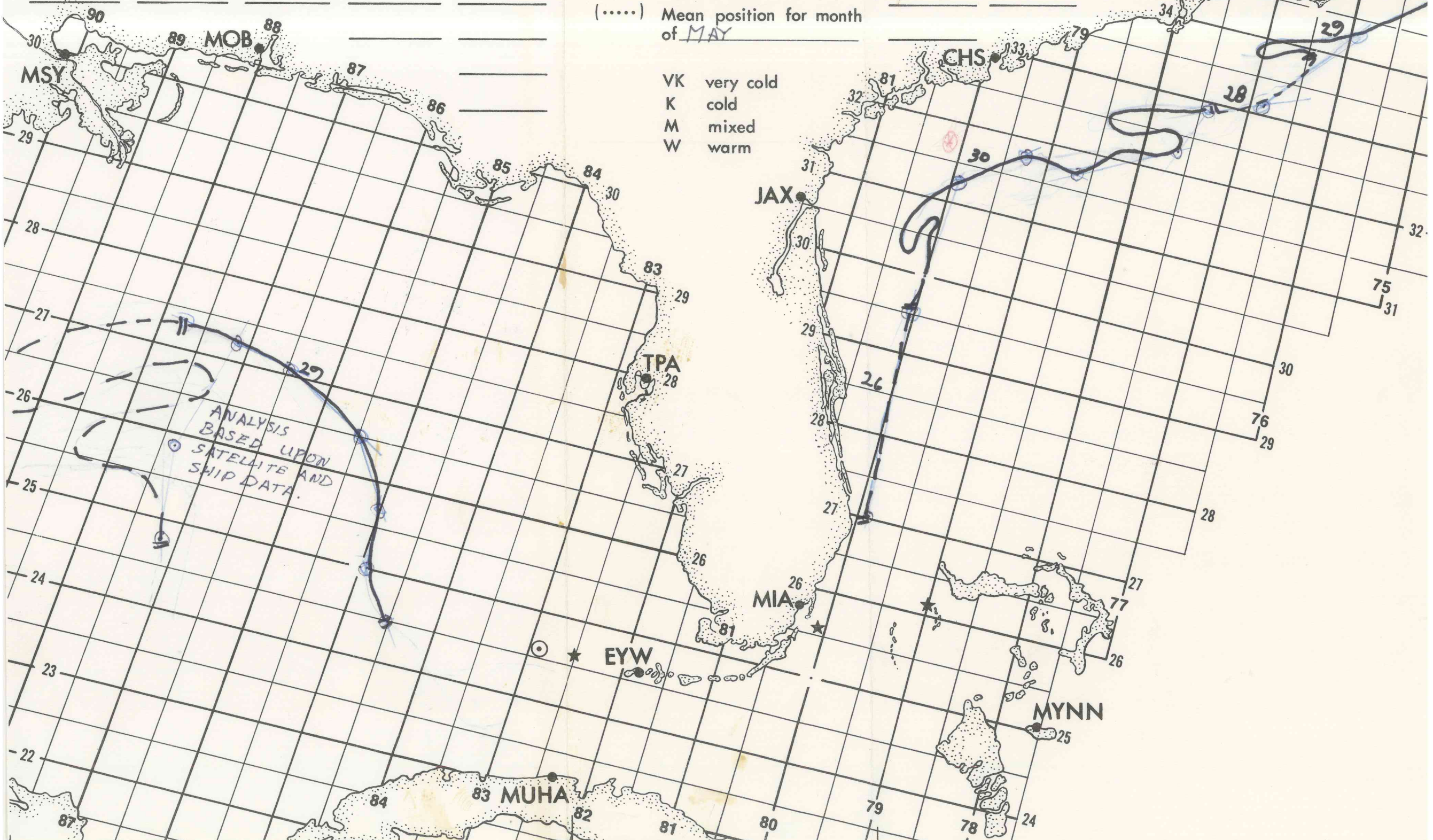
Date: 30 MAY 1979

Depicted land areas should not be used for navigation.

(-----) Position based on data up to 7 days old.

(.....) Mean position for month of MAY

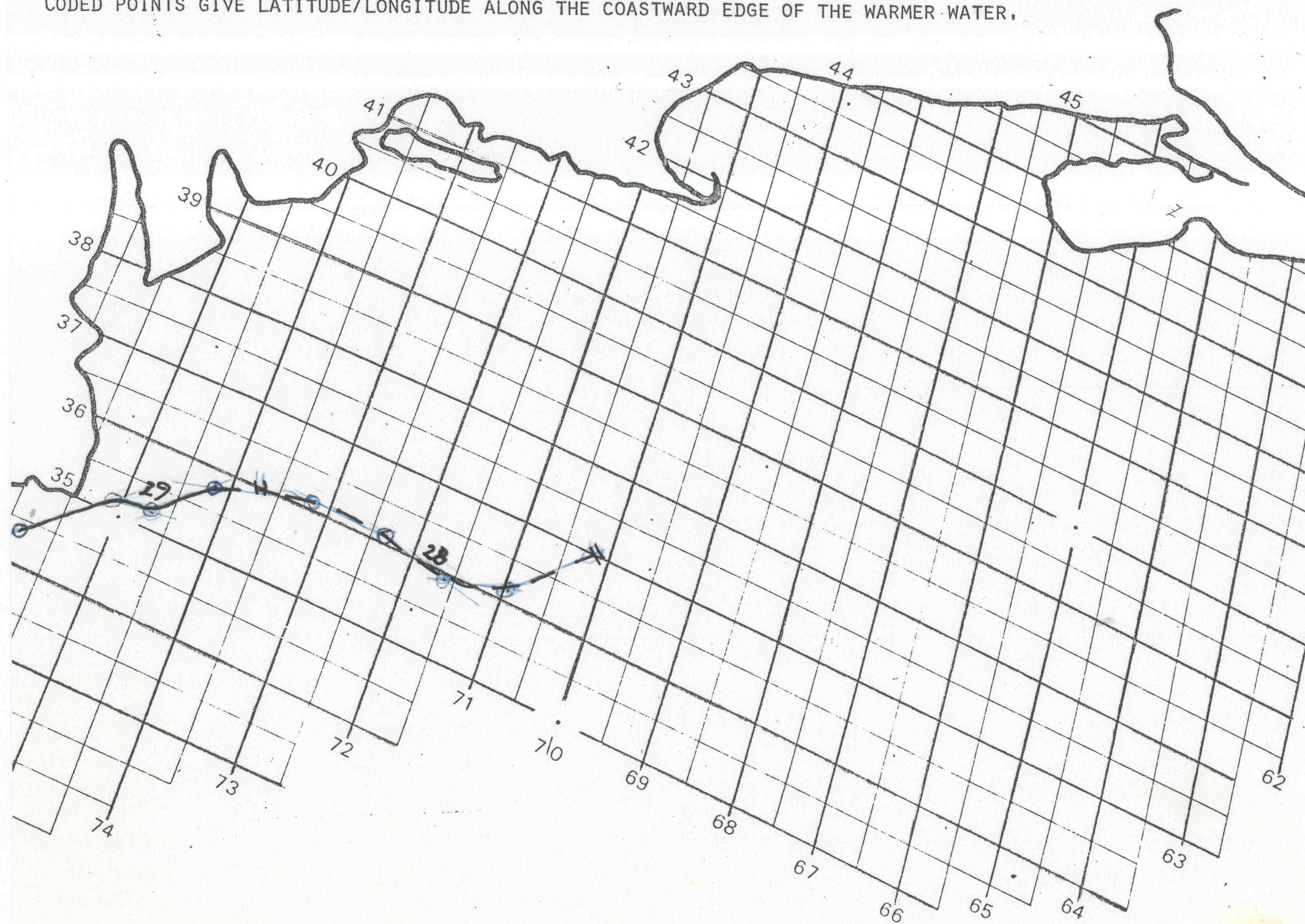
VK very cold
K cold
M mixed
W warm



MIAMI SFSS ANALYSIS OF THE GULF STREAM: 30 MAY 1979

PART B

CODED POINTS GIVE LATITUDE/LONGITUDE ALONG THE COASTWARD EDGE OF THE WARMER WATER.



NNNNJA
ZCZC WBC829
TBXX40 KMIA 301345

MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT
30 MAY 1979.

CODED POINTS GIVE LATITUDE/LONGITUDE ALONG THE CSTWD
EDGE OF THENWARMER WATER.
INSIDE EDDY...ACYC...FLOW 248842 259874 272871 271865
265855 257850 250849 245845.
MAX CURRENT LIES ABT 10 NM SEAWARD OF THIS LINE.
ANALYSIS W OF 87W BASED ON SATELLITE DATA AND OBSERVATIONS
FM NOAA SHIP MT. MITCHELL.
SATELLITE DATA FM IMAGERY 29 MAY 79.

THE LOOP CURRENT BULLETIN WILL NOT BE TRANSMITTED AFTER 01 JUNE
79
UNTIL AUTUMN OF 1979. THE MIAMI SFSS WILL CONTINUE TO MONITOR THE
GULF OF MEXICO DURING THE SUMMER MONTHS. TELEPHONE -305-
350-4310
FOR THE LATEST ANALYSIS DURING THIS PERIOD ...OR REQUEST FAX
CHART
NUMBER 2450.

DUERNBERGER/BAIG

NNNNJA
ZCZC WBC977
SXNT1 KWBC 302207

GULF STREAM LOCATION+THE LINE DESCRIBED BY THE FOLLOWING
SEQUENCE OF POINTS REPRESENTS THE WEST END OF THE GULF STREAM.

27.0/79.9 29.5/80.1 31.3/79.9
31.8/79.2 31.7/78.7 32.3/77.6
32.9/77.4 33.1/76.8 34.4/75.8
35.1/75.1 35.2/74.7 35.8/74.2
36.2/73.2 36.3/72.4 36.4/71.0
37.7/70.0 38.4/68.5 38.2/67.8
37.1/67.4

THE FM STREAM CORRECTION IS 2+15 MILES
SEAWARD OF THIS LINE. LATEST SATELLITE DATA 5/30/79 AT 0900Z