

GULF STREAM SYSTEM FLOW CHART # 2450

215865 220867 232869 240874 245876
 253877 259877 265874 270870 270863
 268855 263850 256844 250845 245845
 241840 238840 234838 235832 238825
 239819 243815 244810 246808 249801
 251800 260800//

NOAA Miami SFSS

Date: **02 APR** 1982

Depicted land should not be used for navigation.

Position lines are for the edges of warmer water. The thin streamline is an estimated location for the maximum current. Measured current speeds may be shown.

(——) Position based on data 0 to 2 days old.

(----) Position based on data 3 to 7 days old.

(.....) Position based on data 8 days or more old.

(....) Mean position for month

VK very cold
 K cold
 M mixed
 W warm

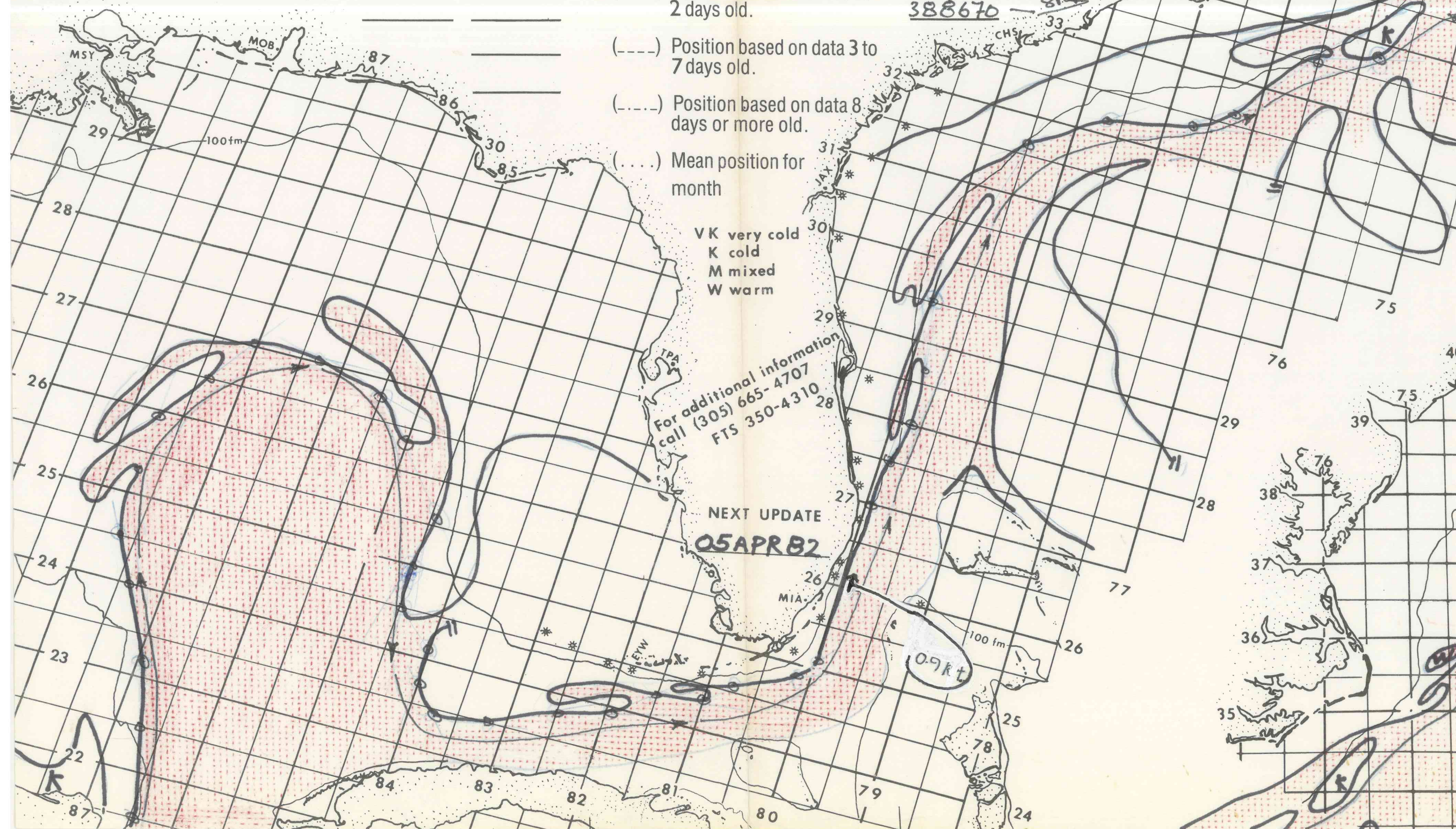
For additional information
 call (305) 665-4707
 FTS 350-4310

NEXT UPDATE

05 APR 82

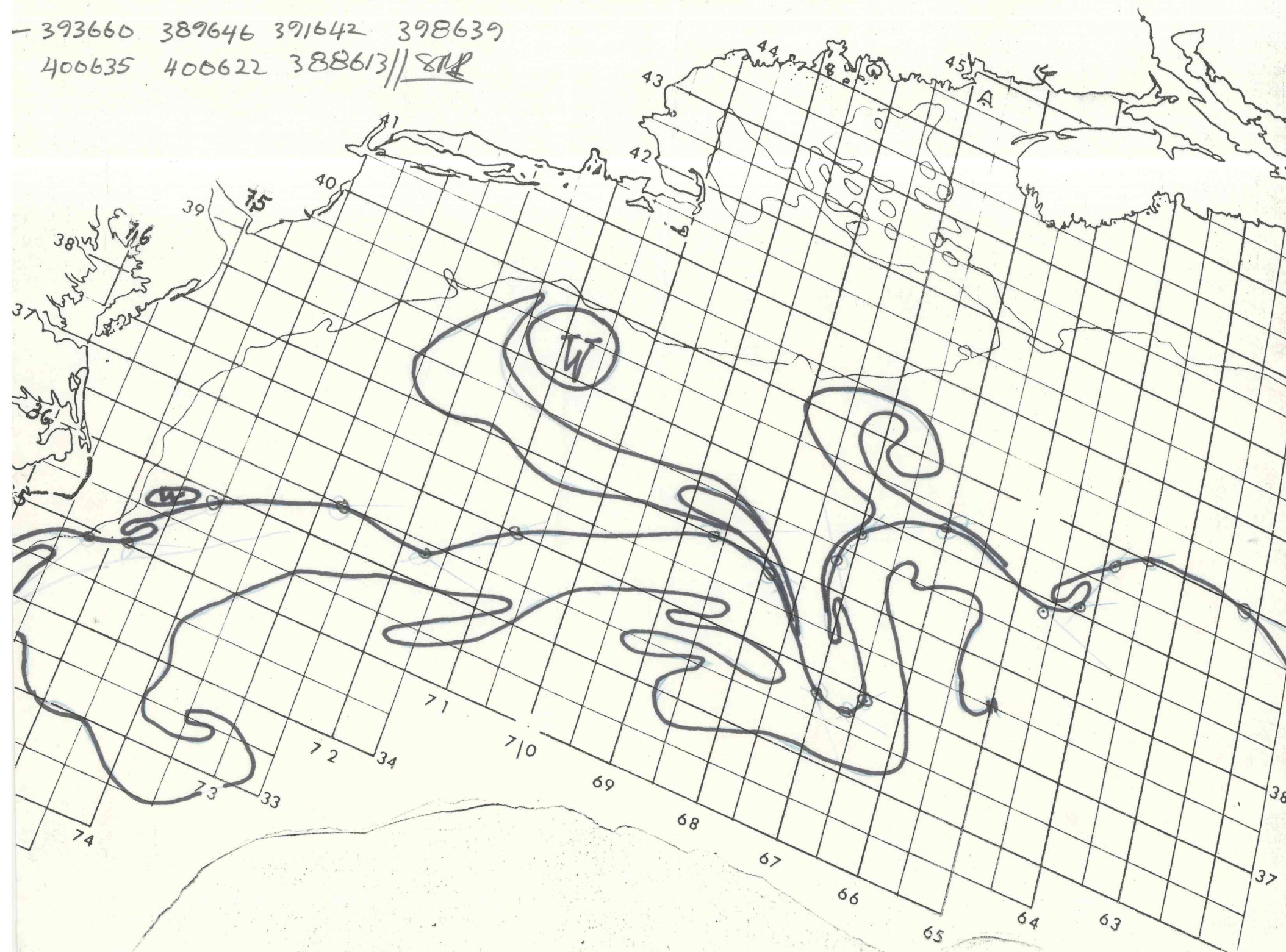
GULF STREAM SYSTEM FLOW CHART # 2450

270799 275799 280798 287798 295800
 317795 322787 324777 326772 335765
 338758 349752 350748 359741
 365728 364717 370709 380686
 379679 368670 367666
 369664 383672
 388670



MIAMI SFSS ANALYSIS OF THE GULF STREAM: 02 APR 1982 PART B

- 393660 389646 391642 398639
400635 400622 388613 || 81P



V

ZCZC

SXNT 1 KWBC 022215

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

27.0/79.9 28.2/79.9 30.1/80.0 31.0/79.8

31.8/79.3 32.4/78.2 32.5/77.5 34.2/75.5

34.4/74.9 35.6/74.9 35.9/74.5 36.3/72.5

37.4/69.8 37.9/68.1 38.0/67.7 36.7/66.9

36.9/66.4 38.1/67.0 38.6/67.0 39.1/66.5

39.1/65.5 39.2/65.0

THE MAXIMUM CURRENT OF THE GULF STREAM LIES BETWEEN 12+15 MILES
SEAWARD OF THIS LINE.

COLD EDDIES 36.3/68.3/55 NMI. DIAM. 34.9/65.7/50 NMI. DIAM. 31.3/75.5/90 NMI. DIAM. 34.7/63.0/45 NMI. DIAM. 37.7/63.3/170 NMI. DIAM. 38.2/54.7/65 NMI. DIAM. 33.5/73.6/50 NMI. DIAM.

WARM EDDIES 38.0/73.0/55 NMI DIAM. 39.4/70.8/80 NMI DIAM. 39.7/67.0/70 NMI DIAM. 41.2/63.6/80 NMI DIAM. 41.7/56.5/60 NMI DIAM. 41.0/49.7/70 NMI DIAM.

LATEST SATELLITE DATA AT 1200Z 4/2/82

NNNN

NNNN

1982 APR -2 AM 10:47

ZCZC MIAGLMMIA

TBXX40 KMIA 021515

MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT
02 APR 1982.

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

215865 220867 232869 240874 245876 253877 259877 265874 270870
270863 268855 263850 256844 250845 245845 241840 238840 234838
235832 238825 239819 243815 244810 246808 249801 251800 260800.

DATA ARE CURRENT.

MIAMI SFSS SELECTED GULFSTREAM DATA FOR NOAA WEATHER RADIO...

A85/37/M/25. B93 62/M/25. C63/62/M/25. D101/69/M/25. E96/34/M/25.
F82/40/M/25. G54/58/M/26. H36/52/M/26. I41/46/M/26. J20/47/M/26.
K11/41/M/26. L07/46/M/26. M07/50/M/26. N07/40/M/26. O07/33/M/26.
P16/41/M/26. Q17/30/M/26. R28/41/M/27. S35/39/M/27. U62/35/M/27.

DATA ARE CURRENT.

AN INSIDE FRONT IS OBSERVED BETWEEN THE MAIN GULFSTREAM FRONT AND
THE COAST AT THE FOLLOWING DISTANCES..25 NM SE OF A..09 NM SE OF B.
A MEANDER IS OBSERVED ALONG THE SHOREWARD EDGE OF THE GULFSTREAM
SE OF A AND B..OR E OF C THROUGH F..WITH AN INSIDE FRONT 58 NM SE
OF A..58 NM SE OF B..64 NM E OF C..62 NM E OF D ..46 NM E OF E AND
46 NM E OF F.

A SECOND MEANDER IS OBSERVED ALONG THE SHOREWARD EDGE OF THE GULF
STREAM BETWEEN H AND I..WITH AN INSIDE FRONT 20 NM E OF H AND
29 NM E OF I.

A THIRD MEANDER IS OBSERVED ALONG THE SHOREWARD EDGE OF THE GULF
STREAM AT Q..WITH AN INSIDE FRONT 10 NM SE OF Q.

A FOURTH MEANDER IS OBSERVED ALONG THE SHOREWARD EDGE OF THE GULF
STREAM BETWEEN R AND T..WITH AN INSIDE FRONT 12 NM S OF R AND
14 NM S OF S.

BAIG

NNNN↓↓A

ZCZC WBC343

TEXX40 KMIA 021515

MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT
02 APR 1982.

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

215865 220867 232869 240874 245876 253877 259877 265874 270870
270863 268855 263850 256844 250845 245845 241840 238840 234838
235832 238825 239819 243815 244810 246808 249801 251800 260800.

DATA ARE CURRENT.

MIAMI SFSS SELECTED GULFSTREAM DATA FOR NOAA WEATHER RADIO...

A85/37/M/25. B93 62/M/25. C63/62/M/25. D101/69/M/25. E96/34/M/25.
F82/40/M/25. G54/58/M/26. H36/52/M/26. I41/46/M/26. J20/47/M/26.
K11/41/M/26. L07/46/M/26. M07/50/M/26. N07/40/M/26. O07/33/M/26.
P16/41/M/26. Q17/30/M/26. R28/41/M/27. S35/39/M/27. U62/35/M/27.

DATA ARE CURRENT.

AN INSIDE FRONT IS OBSERVED BETWEEN THE MAIN GULFSTREAM FRONT AND
THE COAST AT THE FOLLOWING DISTANCES..25 NM SE OF A..09 NM SE OF B.
A MEANDER IS OBSERVED ALONG THE SHOREWARD EDGE OF THE GULFSTREAM
SE OF A AND B..OR E OF C THROUGH F..WITH AN INSIDE FRONT 58 NM SE
OF A..58 NM SE OF B..64 NM E OF C..62 NM E OF D ..46 NM E OF E AND
46 NM E OF F.

A SECOND MEANDER IS OBSERVED ALONG THE SHOREWARD EDGE OF THE GULF
STREAM BETWEEN H AND I..WITH AN INSIDE FRONT 20 NM E OF H AND
29 NM E OF I.

A THIRD MEANDER IS OBSERVED ALONG THE SHOREWARD EDGE OF THE GULF
STREAM AT Q..WITH AN INSIDE FRONT 10 NM SE OF Q.

A FOURTH MEANDER IS OBSERVED ALONG THE SHOREWARD EDGE OF THE GULF
STREAM BETWEEN R AND T..WITH AN INSIDE FRONT 12 NM S OF R AND
14 NM S OF S.

BAIG

1982 APR -2 PM 12:29

Date: 05 APR 1982

Depicted land should not be used for navigation.

Position lines are for the edges of warmer water. The thin streamline is an estimated location for the maximum current. Measured current speeds may be shown.

(——) Position based on data 0 to 2 days old.

(-----) Position based on data 3 to 7 days old.

(.....) Position based on data 8 days or more old.

(....) Mean position for month

V K very cold
K cold
M mixed
W warm

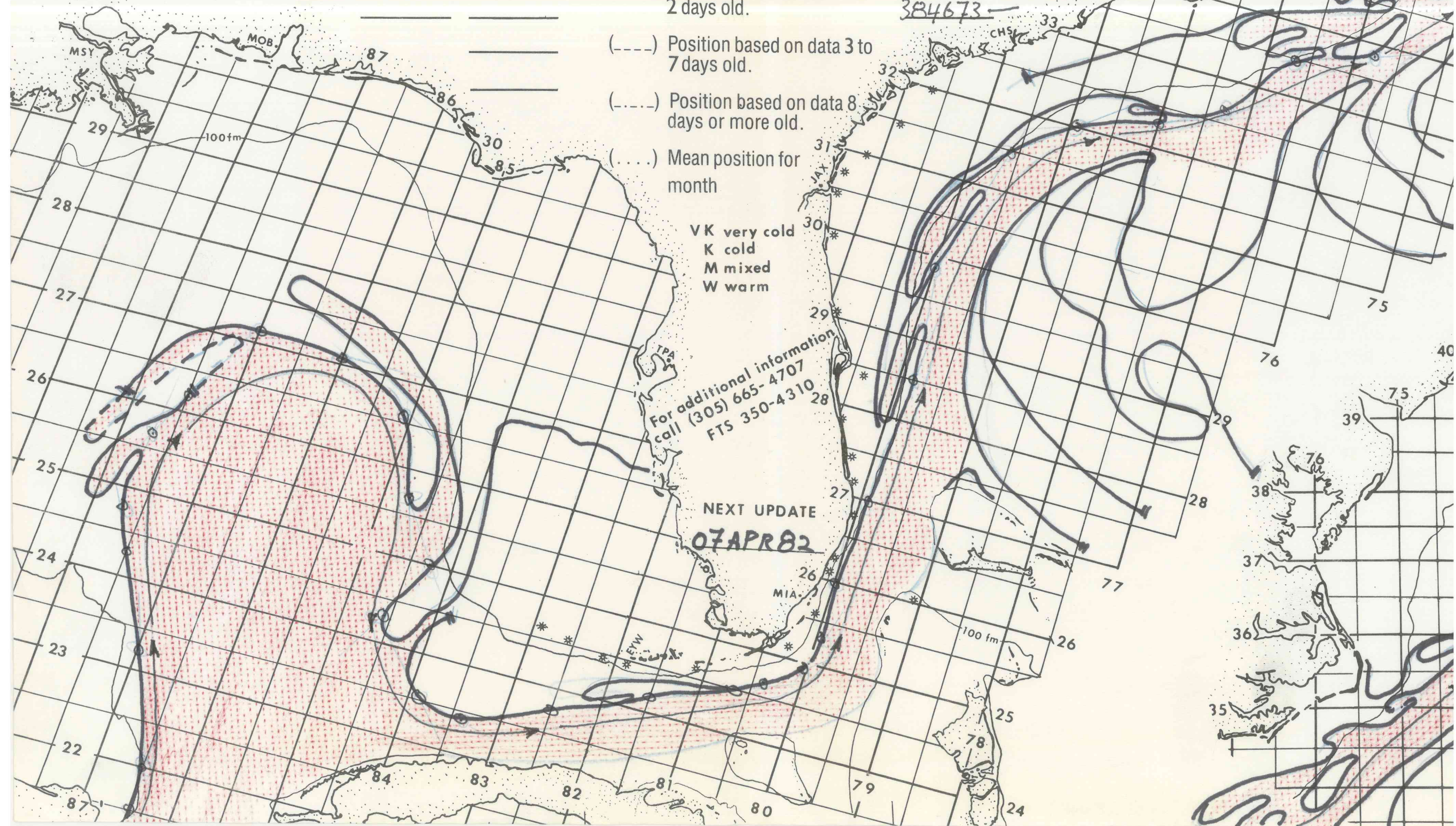
For additional information
call (305) 665-4707
FTS 350-4310

NEXT UPDATE

07 APR 82

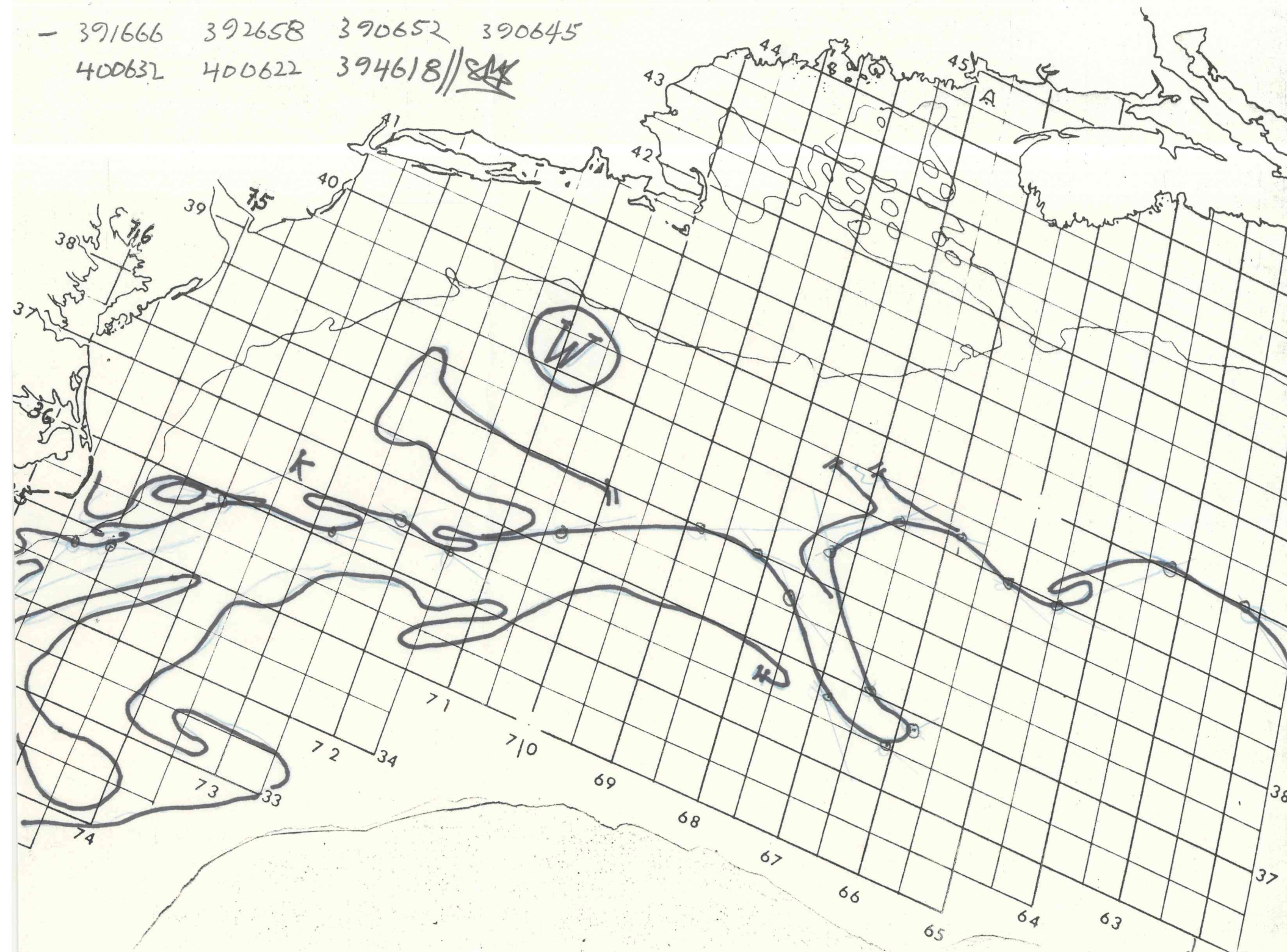
215865 220865 232870 243875 248877
257877 262875 271870 271860 266851
257847 250843 243846 235839 234834
238825 242815 245806 247804 249801
253800 260800 // _____

270799 285798 299800 315796 320789
323780 327773 335766 338758 348753
349750 359740 361728 366721 36
365715 372703 380688 380681
377676 368669 365661
368658 370664
384673 —



MIAMI SFSS ANALYSIS OF THE GULF STREAM: 05 APR 1982 PART B

- 391666 392658 390652 390645
400632 400622 394618//~~814~~



NNNN
ZCZC MIAGLMIA

1982 APR -5 PM 12: 40

TBXX40 KMIA 051730
MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT
05 APR 1982.

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

215865 220865 232870 243875 248877 257877 262875 271870 271860
266851 257847 250843 243846 235839 234834 238825 242815 245806
247804 249801 253800 260800.

DATA ARE CURRENT EXCEPT SMALL PORTION NEAR 268872 FROM 02 APR 82.
MIAMI SFSS SELECTED GULFSTREAM DATA FOR NOAA WEATHER RADIO...

A81/30/M/25. B85 32/M/25. C86/31/M/25. D93/29/M/25. E67/29/M/25.
F56/30/M/25. G63/30/M/26. H33/37/M/26. I37/49/M/26. J21/42/M/26.
K15/38/M/26. L06/47/M/26. M08/50/M/26. N08/39/M/26. O09/31/M/26.
P15/40/M/26. Q16/30/M/26. R27/39/M/27. S35/39/M/27. U63/31/M/27.

DATA ARE CURRENT.

A MEANDER IS OBSERVED ALONG THE SHOREWARD EDGE OF THE GULFSTREAM
SE OF A AND B..OR E OF C THROUGH F..WITH AN INSIDE FRONT 63 NM SE
OF A..62 NM SE OF B..70 NM E OF C..71 NM E OF D ..68 NM E OF E AND
58 NM E OF F.

A SECOND MEANDER IS OBSERVED ALONG THE SHOREWARD EDGE OF THE GULF
STREAM BETWEEN G AND H..WITH AN INSIDE FRONT 45 NM E OF G AND
15 NM E OF H.

A SERIES OF SMALL MEANDERS AND EDDIES IS OBSERVED ALONG THE SHORE
WARD EDGE OF THE GULFSTREAM BETWEEN Q AND S.

BAIG/WHITE

NNNN

ZIV

ZCZC

SXNT1 KWBC 052030

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

27.0/79.9 28.5/79.8 29.9/80.0 31.5/79.6
32.0/78.9 32.3/78.0 32.7/77.3 33.5/76.6
33.8/75.8 34.8/75.3 35.0/75.0 36.0/74.1
36.2/73.1 36.7/72.2 36.8/70.8 37.7/69.5
37.9/68.7 37.5/67.5 36.4/66.7 36.4/66.2
37.1/66.0 38.3/67.7 38.8/67.3 39.1/66.1 39.0/65.0

THE MAXIMUM CURRENT OF THE GULF STREAM LIES BETWEEN 1245 MILES
SEAWARD OF THIS LINE.

COLD EDDIES. 35.5/70.5/60 NMI DIAM/35.0/65.5/40 NMI DIAM/ 37.6/63.2/
100NMI. DIAM.

WARM EDDIES. 37/72/73.3/40 NMI DIAM./39.1/71.0/60 NMI DIAM/39.8/62.5/
40NMI. DIAM.

LATEST SATELLITE DATA. 4/5/81 1200Z STEVE AUER

GULF STREAM SYSTEM FLOW CHART # 2450

NOAA Miami SFSS

GULF STREAM SYSTEM FLOW CHART # 2450

Date: 07 APRIL 1982

Depicted land should not be used for navigation.

Position lines are for the edges of warmer water. The thin streamline is an estimated location for the maximum current. Measured current speeds may be shown.

(——) Position based on data 0 to 2 days old.

(-----) Position based on data 3 to 7 days old.

(.....) Position based on data 8 days or more old.

(....) Mean position for month

VK very cold
K cold
M mixed
W warm

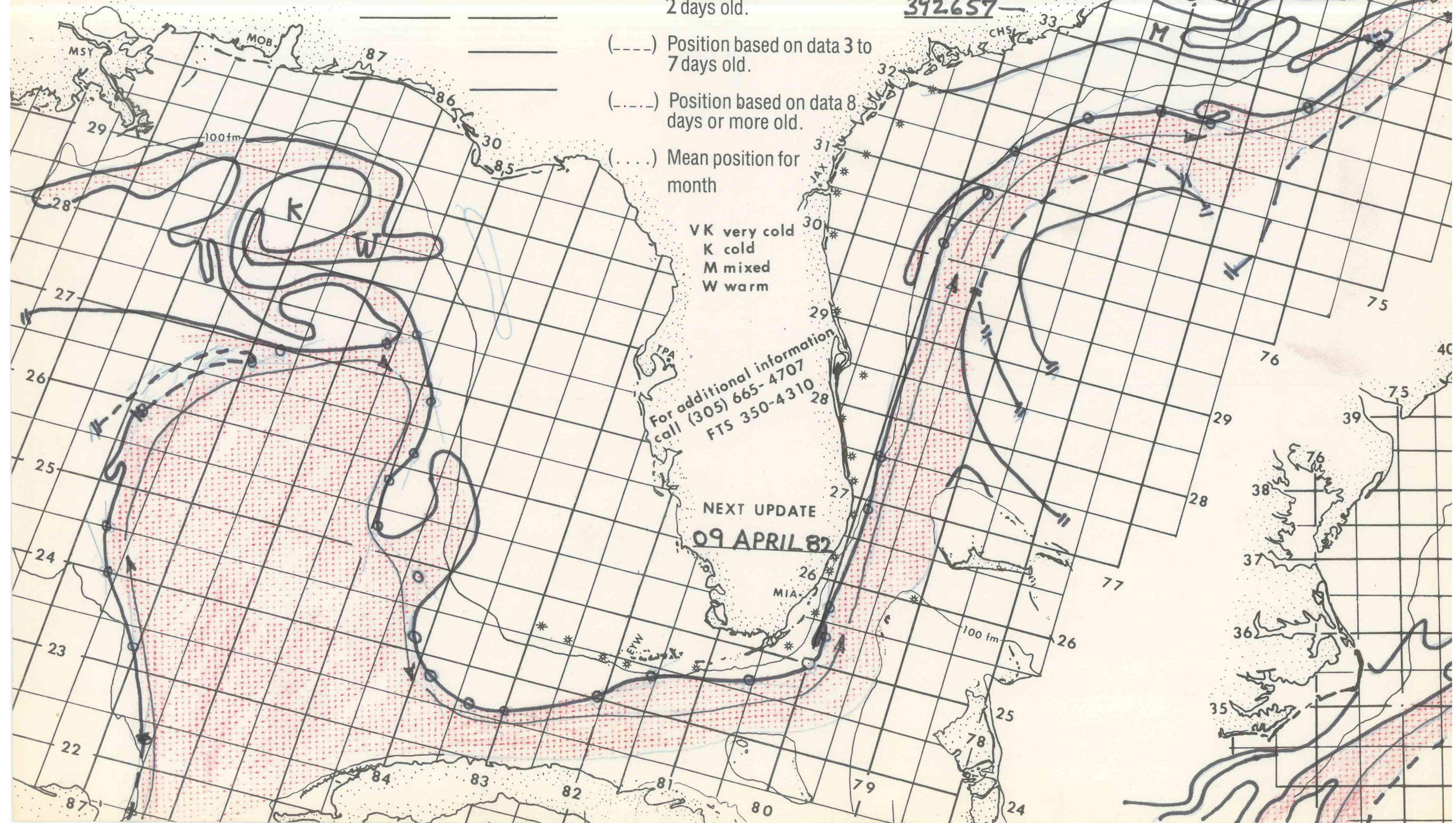
For additional information
call (305) 665-4707
FTS 350-4310

NEXT UPDATE

09 APRIL 82

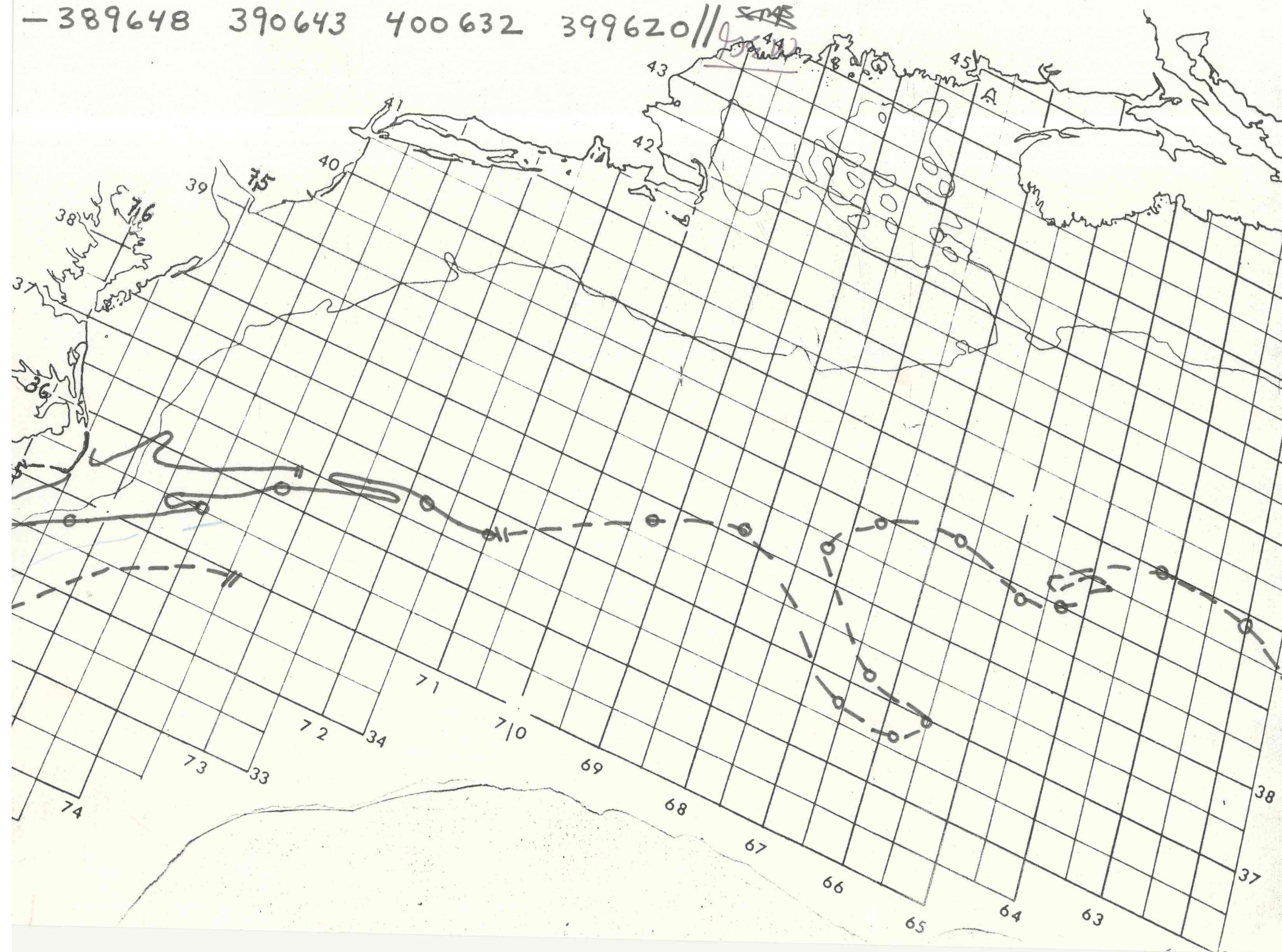
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259878 267869 270867 274856 275853
268848 262848 258850 253850 248844
242842 238838 236834 236830 240821
244815 246805 250800 254799 257800//

269798 275799 302800 309797 315795
321788 325780 325774 329764 340757
347753 355740 361734 367718
367710 377693 381682 367665
366658 370655 373663
384672 390667
392657—



MIAMI SFSS ANALYSIS OF THE GULF STREAM: 07 APRIL 1982 PART B

-389648 390643 400632 399620// ~~STP~~



7072
1982 APR -7 PM 12:43

ABV

ZCZC MIAGLMMIA

TBXX40 KMIA 071645
MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT
07 APR 1982.

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

215864 223866 233870 240876 254877 259878 267869 270867 274856
275853 268848 262848 258850 253850 248844 242842 238838 236834
26830 240821 244815 246805 250800 254799 257800 260799.

DATA ARE CURRENT EXCEPT SMALL PORTION NEAR 265875 FROM 02 APR 82.
MIAMI FSS SELECTED GULFSTREAM DATA FOR NOAA WEATHER RADIO...

A81/30/M/25. B85 32/M/25. C86/31/M/25. D93/29/M/25. E67/29/M/25.
F56/30/M/25. G63/30/M/26. H33/37/M/26. I37/49/M/26. J21/42/M/26.
K15/38/M/26. L06/47/M/26. M08/50/M/26. N08/39/M/26. O09/31/M/26.
P15/40/M/26. Q16/30/M/26. R27/39/M/27. S35/39/M/27. U63/31/M/27.

DATA ARE CURRENT.

A MEANDER IS OBSERVED ALONG THE SHOREWARD EDGE OF THE GULFSTREAM
SE OF A AND B..OR E OF C THROUGH F..WITH AN INSIDE FRONT 63 NM SE
OF A..62 NM SE OF B..70 NM E OF C..71 NM E OF D ..68 NM E OF E AND
58 NM E OF F.

A SECOND MEANDER IS OBSERVED ALONG THE SHOREWARD EDGE OF THE GULF
STREAM BETWEEN G AND H..WITH AN INSIDE FRONT 45 NM E OF G AND
15 NM E OF H.

A SERIES OF SMALL MEANDERS AND EDDIES IS OBSERVED ALONG THE SHORE
WARD EDGE OF THE GULFSTREAM BETWEEN Q AND S.

BAIG/WHITE

NNNN↓

TBXX40 KMIA 071645

MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT
07 APR 1982.

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

215864 223866 233870 240876 254877 259878 267869 270867 274856
275853 268848 262848 258850 253850 248844 242842 238838 236834
236830 240821 244815 246805 250800 254799 257800 260799.

1982 APR -7 PM 12: 35

DATA ARE CURRENT EXCEPT SMALL PORTION NEAR 265875 FROM 02 APR 82.

MIAMI SFSS SELECTED GULFSTREAM DATA FOR NOAA WEATHER RADIO...

A81/30/M/25. B85 32/M/25. C86/31/M/25. D93/29/M/25. E67/29/M/25.

F56/30/M/25. G63/30/M/26. H33/37/M/26. I37/49/M/26. J21/42/M/26.

K15/38/M/26. L06/47/M/26. M08/50/M/26. N08/39/M/26. O09/31/M/26.

P15/40/M/26. Q16/30/M/26. R27/39/M/27. S35/39/M/27. U63/31/M/27.

DATA ARE CURRENT.

A MEANDER IS OBSERVED ALONG THE SHOREWARD EDGE OF THE GULFSTREAM
SE OF A AND B..OR E OF C THROUGH F..WITH AN INSIDE FRONT 63 NM SE
OF A..62 NM SE OF B..70 NM E OF C..71 NM E OF D ..68 NM E OF E AND
58 NM E OF F.

A SECOND MEANDER IS OBSERVED ALONG THE SHOREWARD EDGE OF THE GULF
STREAM BETWEEN G AND H..WITH AN INSIDE FRONT 45 NM E OF G AND
15 NM E OF H.

A SERIES OF SMALL MEANDERS AND EDDIES IS OBSERVED ALONG THE SHORE
WARD EDGE OF THE GULFSTREAM BETWEEN Q AND S.

DAIG/WHITE

Date: **09 APRIL 1982**

Depicted land should not be used for navigation.

Position lines are for the edges of warmer water. The thin streamline is an estimated location for the maximum current. Measured current speeds may be shown.

- (——) Position based on data 0 to 2 days old.
- (----) Position based on data 3 to 7 days old.
- (.....) Position based on data 8 days or more old.
- (....) Mean position for month

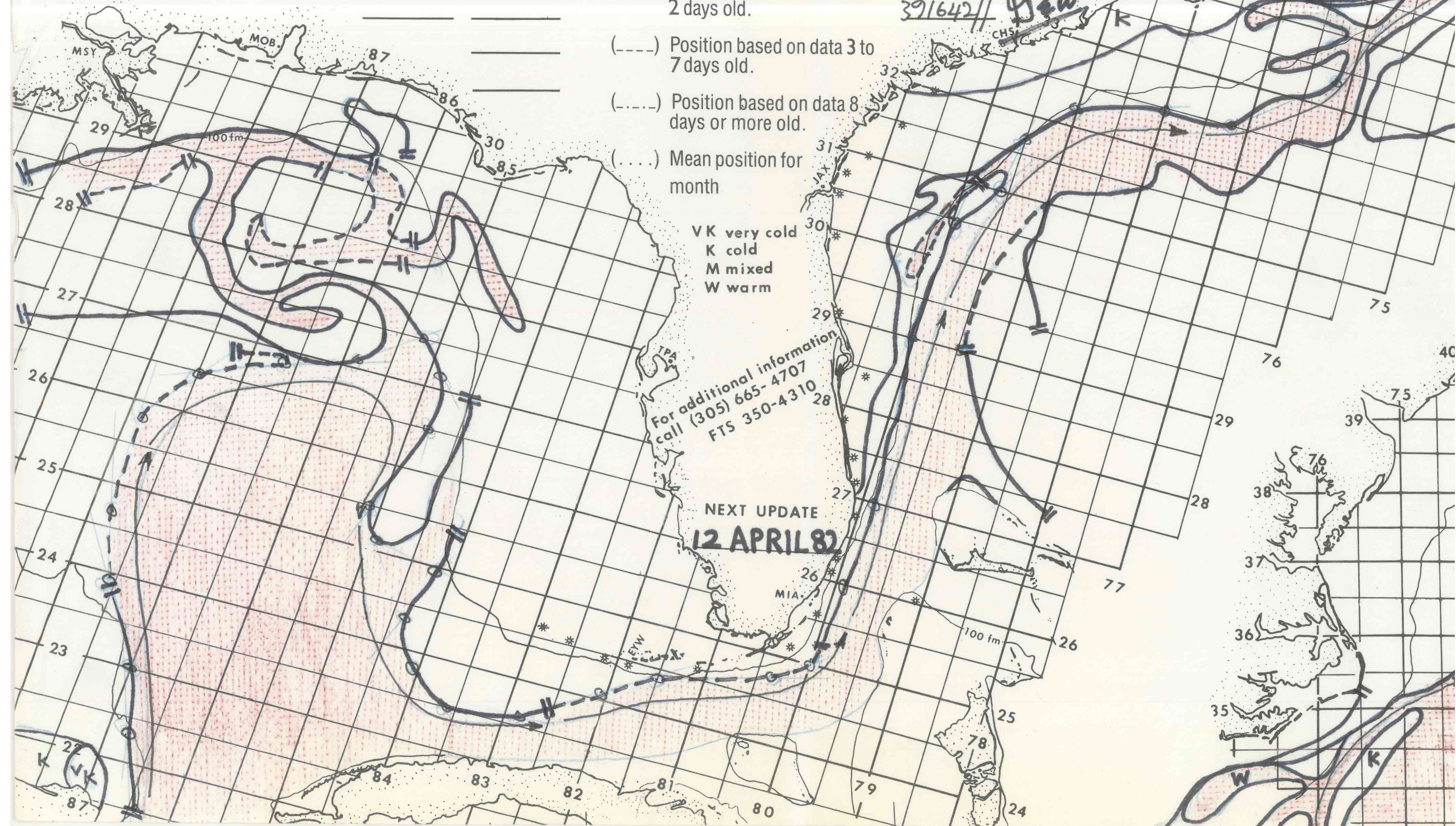
VK very cold
K cold
M mixed
W warm

For additional information
call (305) 665-4707
FTS 350-4310

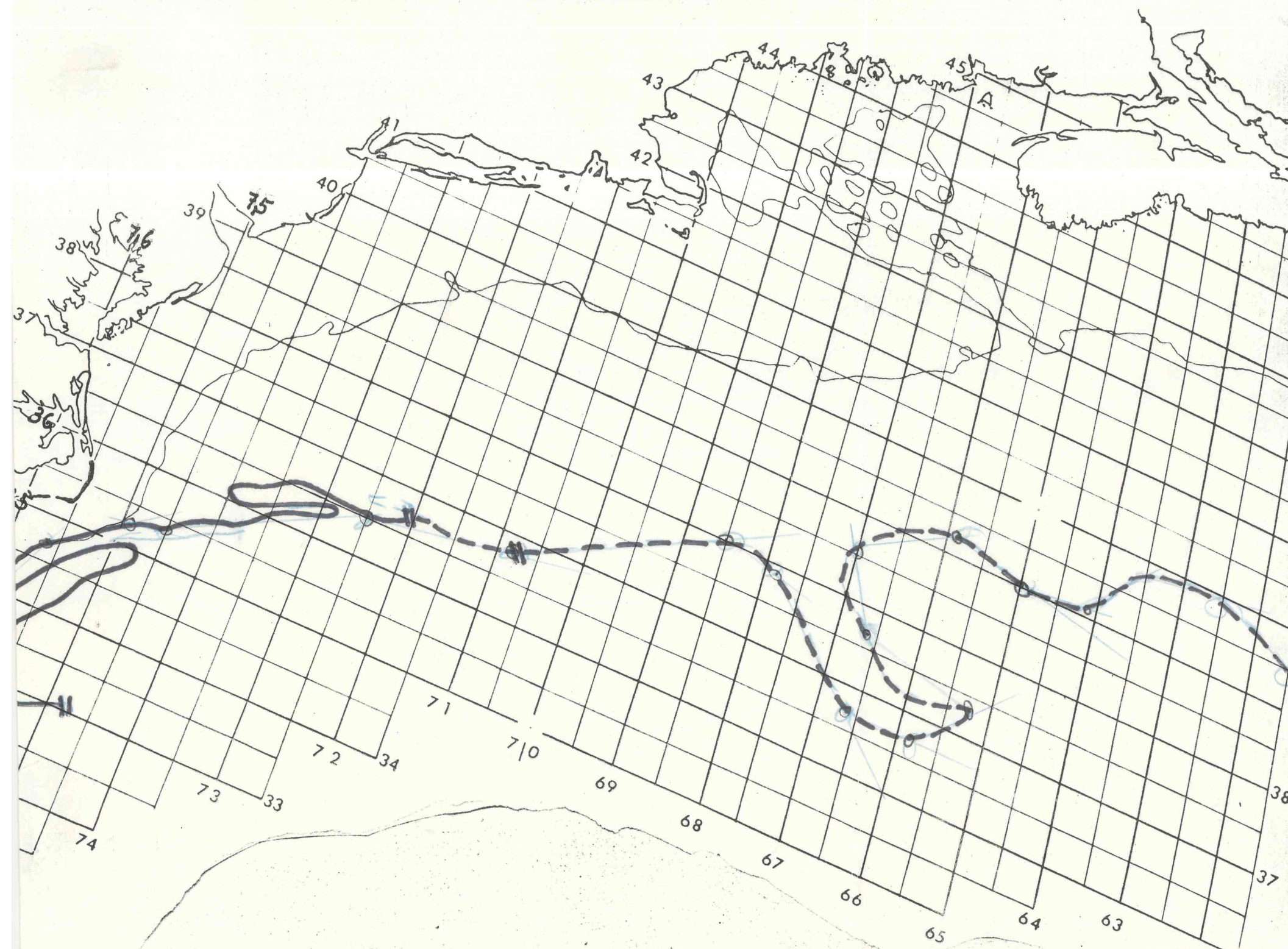
NEXT UPDATE
12 APRIL 82

215864 228868 230870 239876 247878
258879 265875 269866 271859 275852
272849 265848 255851 251849 250842
244844 238841 235836 236828 241821
244815 247804 250800 260799//

270799 290800 305800 310796 317795
322790 325780 325772 333762 347756
352749 354745 365725 368708 367708
380685 379679 367667 367658
373652 377666 385670
392659 390650
391642// **NEW**



MIAMI SFSS ANALYSIS OF THE GULF STREAM: 09 APRIL 1982 PART B



NNNN↓A
ZCZC WBC111
TBXX40 KMIA 091715
MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT
09 APR 1982.

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

215864 228868 230870 239 76 247878 258879 265875 269866 271859
275852 272849 265848 255851 251849 250842 244844 238841 235836
236828 241821 244815 247804 250800 260799.

DATA ARE CURRENT EXCEPT PORTION BETWEEN 239876 AND 269866 FROM
05 AND 07 APRIL 82.

MIAMI SFSS SELECTED GULFSTREAM DATA FOR NOAA WEATHER RADIO...

A87/47/M/25. B81/43/M/25. C95/34/M/25. D98/34/M/25. E86/40/M/25.
F77/33/M/25. G54/36/M/26. H27/50/M/26. I33/54/M/26. J21/50/M/26.
K16/39/M/26. L11/43/M/26. M13/47/M/26. N13/35/M/26. O11/31/M/26.
P17/40/M/26. Q08/40/M/26. R17/55/M/27. S30/47/M/27. U68/33/M/27.

DATA ARE CURRENT EXCEPT FROM P THROUGH S BASED ON DATA FROM 07 APR.
PORTIONS OF A MEANDER ARE OBSERVED ALONG THE SHOREWARD EDGE OF THE
GULFSTREAM SE OF A AND R..OR E OF C THROUGH F.

BAIG/WHITE

NNNN

ZCZC MIAGLMMIA

1982 APR -9 PM 12: 34

TBXX40 KMIA 091715

MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT
09 APR 1982.

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

215864 228868 230870 239876 247878 258879 265875 269866 271859
275852 272849 265848 255851 251849 250842 244844 238841 235836
236828 241821 244815 247804 250800 260799.

DATA ARE CURRENT EXCEPT PORTION BETWEEN 239876 AND 269866 FROM
05 AND 07 APRIL 82.

MIAMI SFSS SELECTED GULFSTREAM DATA FOR NOAA WEATHER RADIO...

A87/47/M/25. B81/43/M/25. C95/34/M/25. D98/34/M/25. E86/40/M/25.

F77/33/M/25. G54/36/M/26. H27/50/M/26. I33/54/M/26. J21/50/M/26.

K16/39/M/26. L11/43/M/26. M13/47/M/26. N13/35/M/26. O11/31/M/26.

P17/40/M/26. Q08/40/M/26. R17/55/M/27. S30/47/M/27. U68/33/M/27.

DATA ARE CURRENT EXCEPT FROM P THROUGH S BASED ON DATA FROM 07 APR.
PORTIONS OF A MEANDER ARE OBSERVED ALONG THE SHOREWARD EDGE OF THE
GULFSTREAM SE OF A AND B..OR E OF C THROUGH F.

BAIG/WHITE

Date: **12 APRIL 1982**

Depicted land should not be used for navigation.

Position lines are for the edges of warmer water. The thin streamline is an estimated location for the maximum current. Measured current speeds may be shown.

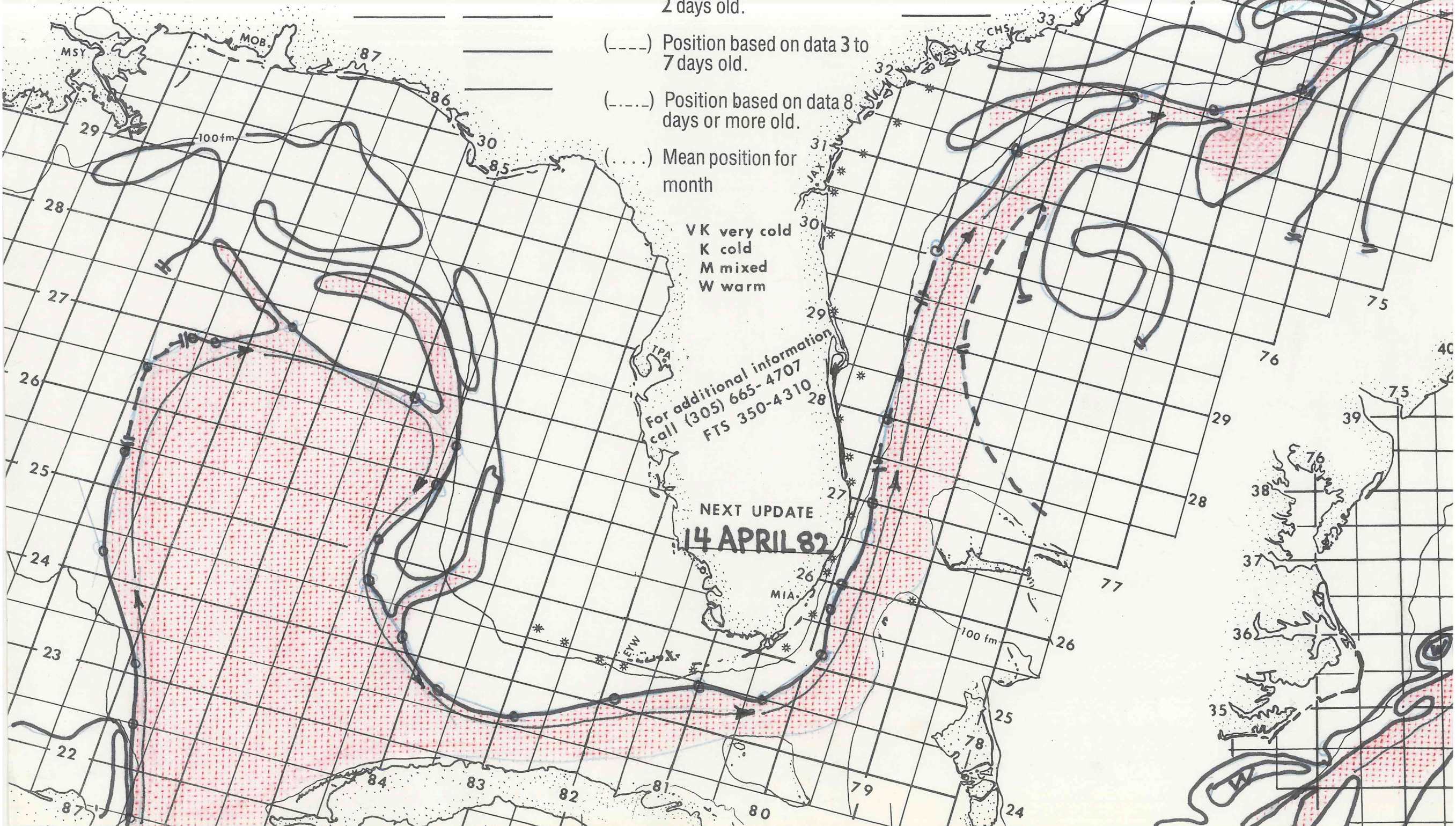
- (——) Position based on data 0 to 2 days old.
- (----) Position based on data 3 to 7 days old.
- (.....) Position based on data 8 days or more old.
- (....) Mean position for month

VK very cold
K cold
M mixed
W warm

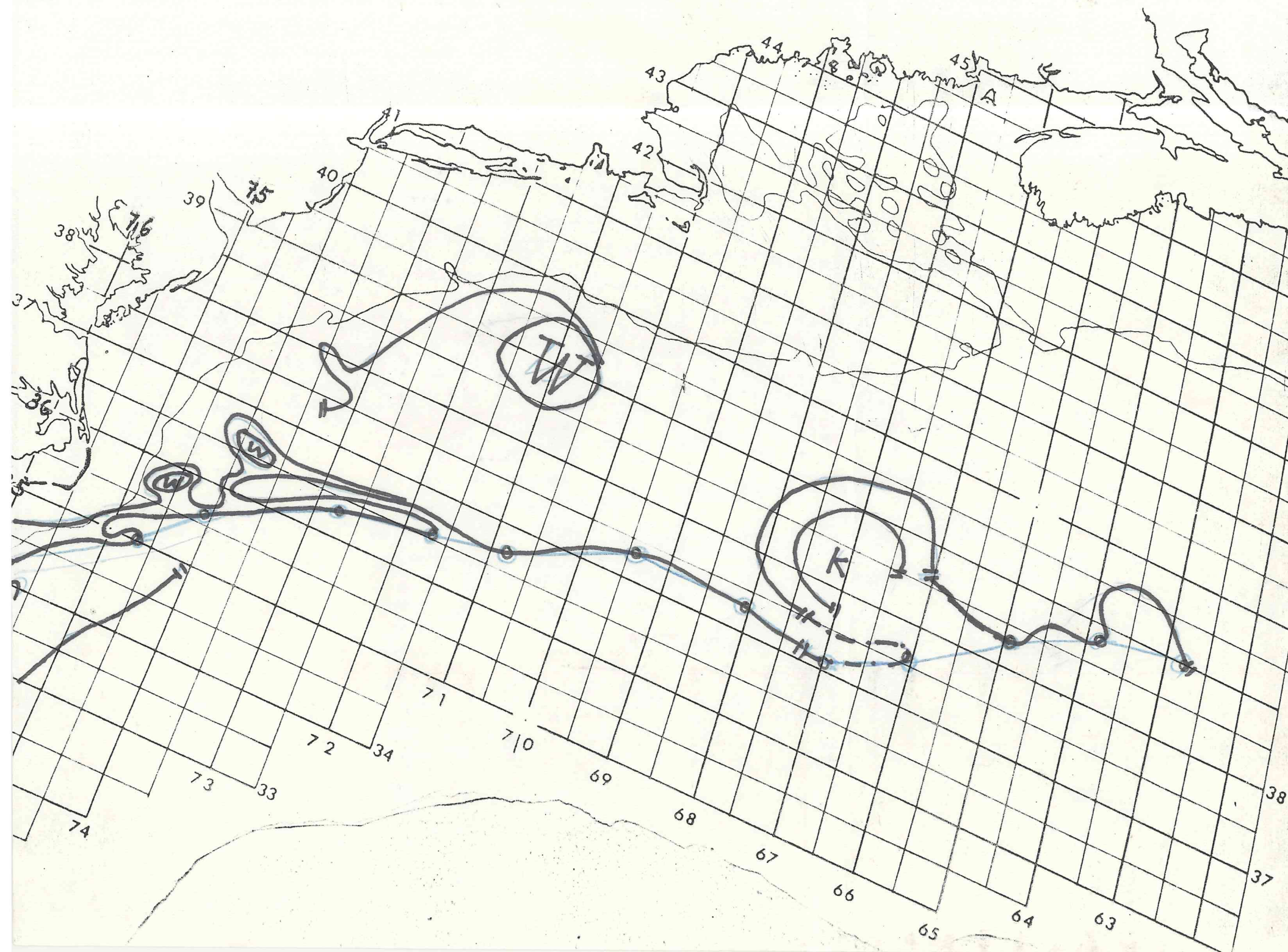
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FTS 350-4310

NEXT UPDATE
14 APRIL 82

270798 280799 300800 315795 325784
326774 331765 340760 348751 350746
356741 364727 366717 367708 36
374694 373680 371670 376661
383649 388638 390628 1181835



MIAMI SFSS ANALYSIS OF THE GULF STREAM: 12 APRIL 1982 PART B



NNNNJ

1982 APR 12 PM 12:30

BV

ZCZC MIAGLMMIA

TBXX40 KMIA 121700
MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT
12 APR 1982.

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

215864 225867 232869 243876 254878 265879 268876 269874 273866
28850 264844 259845 252848 246848 242843 237837 236828 241818
244810 245803 252798 257799 260798.

DATA ARE CURRENT EXCEPT PORTION BETWEEN 254878 AND 268876 FROM
05 AND 07 APRIL 82.

MIAMI SFSS SELECTED GULFSTREAM DATA FOR NOAA WEATHER RADIO...

A86/33/M/25. B83/44/M/25. C94/48/M/25. D99/34/M/25. E89/36/M/25.
F75/36/M/26. G56/38/M/26. H26/50/M/26. I35/45/M/26. J21/40/M/26.
K16/35/M/26. L14/34/M/26. M16/33/M/26. N14/31/M/26. O11/30/M/26.
P23/30/M/26. Q13/35/M/27. R24/43/M/27. S33/41/M/27. U66/30/M/27.

DATA ARE CURRENT EXCEPT FROM G THROUGH J BASED ON DATA FROM 09 APR.
A MEANDER IS OBSERVED ALONG THE SHOREWARD EDGE OF THE GULFSTREAM
SE OF A ..CONTINUING NE OF 32 N..WITH AN INSIDE FRONT 32 NM SE
OF A.

BAIG/WHITE

NNNNJ

NNNN
ZCZC MIAGLNIA

1982 APR 12 PM 12: 22

7073

TBXX40 KMIA 121700
MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT
12 APR 1982.

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

215864 225867 232869 243876 254878 265879 268876 269874 273866
268850 264844 259845 252848 246848 242843 237837 236828 241818
244810 245803 252798 257799 260798.

DATA ARE CURRENT EXCEPT PORTION BETWEEN 254878 AND 268876 FROM
05 AND 07 APRIL 82.

MIAMI SFSS SELECTED GULFSTREAM DATA FOR NOAA WEATHER RADIO...

A86/33/M/25. B83/44/M/25. C94/48/M/25. D99/34/M/25. E89/36/M/25.
F75/36/M/26. G56/38/M/26. H26/50/M/26. I35/45/M/26. J21/40/M/26.
K16/35/M/26. L14/34/M/26. M16/33/M/26. N14/31/M/26. O11/30/M/26.
P23/30/M/26. Q13/35/M/27. R24/43/M/27. S33/41/M/27. U66/30/M/27.

DATA ARE CURRENT EXCEPT FROM G THROUGH J BASED ON DATA FROM 09 APR.

A MEANDER IS OBSERVED ALONG THE SHOREWARD EDGE OF THE GULFSTREAM
SE OF A ..CONTINUING NE OF 32 N..WITH AN INSIDE FRONT 32 NM SE
OF A.

BAIG/WHITE

NNNNJJ

T

ZAWARC

O JJA

ZCZC WBC692

TEXX40 KMIA 121700

1982 APR 12 PM 1:03

MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT
12 APR 1982.

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

215864 225867 232869 243876 254878 265879 268876 269874 273866
288850 264844 259845 252848 246848 242843 237837 236828 241818
24810 245803 252798 257799 260798.

DATA ARE CURRENT EXCEPT PORTION BETWEEN 254878 AND 268876 FROM
05 AND 07 APRIL 82.

MIAMI SFSS SELECTED GULFSTREAM DATA FOR NOAA WEATHER RADIO....

A86/33/M/25. B83/44/M/25. C94/48/M/25. D99/34/M/25. E89/36/M/25.
F75/36/M/26. G56/38/M/26. H26/50/M/26. I35/45/M/26. J21/40/M/26.
K16/35/M/26. L14/34/M/26. M16/33/M/26. N14/31/M/26. O11/30/M/26.
P23/30/M/26. Q13/35/M/27. R24/43/M/27. SEEXRQXM/27. U66/30/M/27.

DATA ARE CURRENT EXCEPT FROM G THROUGH J BASED ON DATA FROM 09 APR.
A MEANDER IS OBSERVED ALONG THE SHOREWARD EDGE OF THE GULFSTREAM
SE OF A ..CONTINUING NE OF 32 N..WITH AN INSIDE FRONT 32 NM SE
OF A.

BAIG/WHITE

GULF STREAM SYSTEM FLOW CHART # 2450

215863 225865 230869 236871 240877
 248882 257883 267877 278870 277863
 269855 266847 262844 251844 246844
 240848 237847 236842 238836 239817
 243813 244809 248803 252799 260794

NOAA Miami SFSS

Date: 14 APR 1982

Depicted land should not be used for navigation.

Position lines are for the edges of warmer water. The thin streamline is an estimated location for the maximum current. Measured current speeds may be shown.

(——) Position based on data 0 to 2 days old.

(----) Position based on data 3 to 7 days old.

(.....) Position based on data 8 days or more old.

(....) Mean position for month

VK very cold
 K cold
 M mixed
 W warm

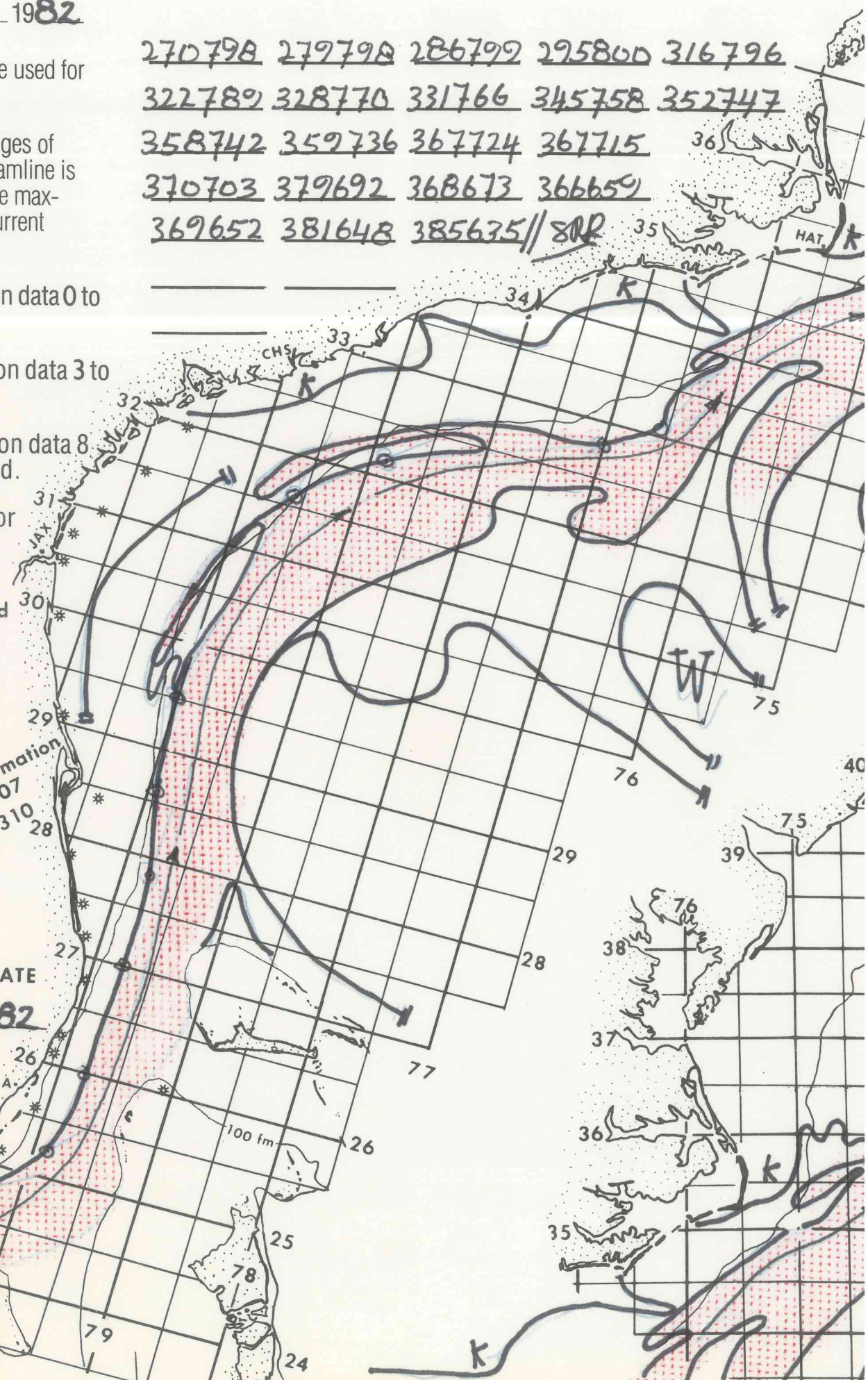
For additional information
 call (305) 665-4707
 FTS 350-4310

NEXT UPDATE

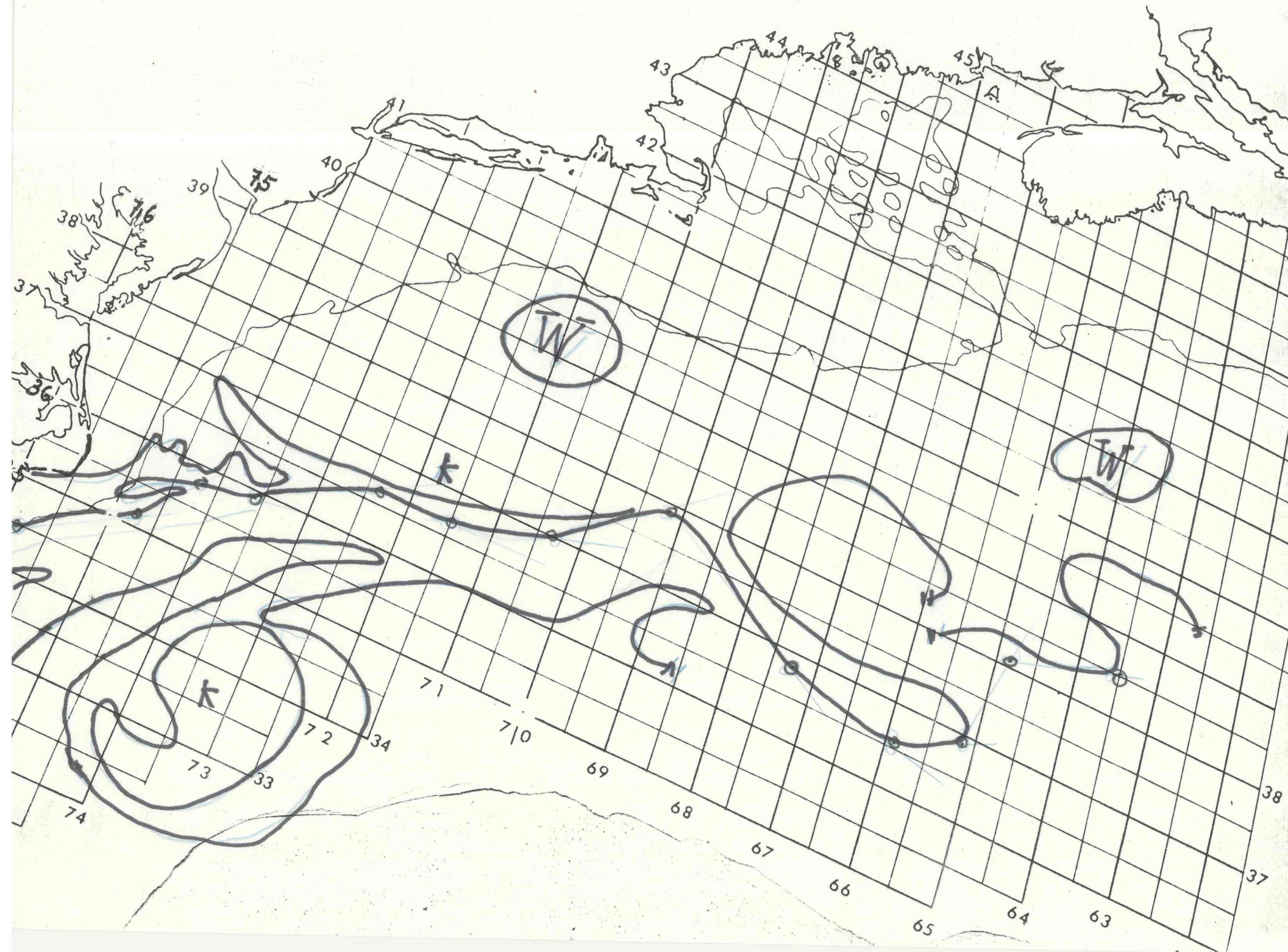
16 APR 82

GULF STREAM SYSTEM FLOW CHART # 2450

270798 279798 286799 295800 316796
 322789 328770 331766 345758 352747
 358742 359736 367724 367715
 370703 379692 368673 366659
 369652 381648 385635//80R



MIAMI SFSS ANALYSIS OF THE GULF STREAM: 14 APR 1982 PART B



1982 APR 14 AM 11:12

ZCZC MIAGLMMIA

TBXX40 KMIA 141600

MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT
14 APR 1982.

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

215863 225865 230869 236871 240877 248882 257883 267877 278870
277863 269855 266847 262844 251844 246844 240848 237847 236842
238836 239817 243813 244809 248803 252799 260798.

DATA ARE CURRENT.

MIAMI SFSS SELECTED GULFSTREAM DATA FOR NOAA WEATHER RADIO...

A78/48/M/25. B88/44/M/25. C86/65/M/25. D95/46/M/25. E92/42/M/25.
F75/39/M/26. G58/38/M/26. H30/44/M/26. I43/40/M/26. J31/35/M/26.
K24/31/M/26. L17/39/M/26. M20/36/M/26. N20/29/M/26. O19/24/M/26.
P13/45/M/26. Q19/29/M/27. R34/31/M/27. S36/35/M/27. U57/39/M/27.

DATA ARE CURRENT.

A MEANDER IS OBSERVED ALONG THE SHOREWARD EDGE OF THE GULFSTREAM
SE OF A AND B..OR EAST OF C THROUGH F..WITH AN INSIDE FRONT NEAR
THE 100 FM LINE.

THE GULFSTREAM APPEARS WELL OFFSHORE FROM I THROUGH U..POSSIBLY AS
A RESPONSE TO EXTREMELY DYNAMIC CHANGES OCCURING ALONG THE EASTERN
FLANK OF THE LOOP CURRENT. UNDER THESE CONDITIONS A SERIES OF
SMALL EDDIES AND MEANDERS IS USUALLY FOUND BETWEEN THE COAST AND
THE SHOREWARD EDGE OF THE GULFSTREAM BETWEEN I AND U. THE FEATURES
USUALLY ARE BEING ADVECTED TO THE NORTH DUE TO THE PROXIMITY OF
THE GULFSTREAM.

BAIG

NNNN

1982 APR 14 AM 11:19

44A

ZCZC WBC110

TRXX40 KMIA 141600

MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT
14 APR 1982.

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

215863 225865 230869 236871 240877 248882 257883 267877 278870
277863 269855 266847 262844 251844 246844 240848 237847 236842
238836 239817 243813 244809 248803 252799 260798.

DATA ARE CURRENT.

MIAMI SFSS SELECTED GULFSTREAM DATA FOR NOAA WEATHER RADIO....

A78/48/M/25. B88/44/M/25. C86/65/M/25. D95/46/M/25. E92/42/M/25.
F75/39/M/26. G58/38/M/26. H30/44/M/26. I43/40/M/26. J31/35/M/26.
K24/31/M/26. L17/39/M/26. M20/36/M/26. N20/29/M/26. O19/24/M/26.
P13/45/M/26. Q19/29/M/27. R34/31/M/27. S36/35/M/27. U57/39/M/27.

DATA ARE CURRENT.

A MEANDER IS OBSERVED ALONG THE SHOREWARD EDGE OF THE GULFSTREAM
SE OF A AND B..OR EAST OF C THROUGH F..WITH AN INSIDE FRONT NEAR
THE 100 FM LINE.

THE GULFSTREAM APPEARS WELL OFFSHORE FROM I THROUGH U..POSSIBLY AS
A RESPONSE TO EXTREMELY DYNAMIC CHANGES OCCURING ALONG THE EASTERN
FLANK OF THE LOOP CURRENT. UNDER THESE CONDITIONS A SERIES OF
SMALL EDDIES AND MEANDERS IS USUALLY FOUND BETWEEN THE COAST AND
THE SHOREWARD EDGE OF THE GULFSTREAM BETWEEN I AND U. THE FEATURES
USUALLY ARE BEING ADVECTED TO THE NORTH DUE TO THE PROXIMITY OF
THE GULFSTREAM.

BAIG

GULF STREAM SYSTEM FLOW CHART # 2450

215863 224865 235871 260880 272871
 271860 266848 262845 248845 238850
 234850 237844 235830 238820 244806
 251800 254798 260797 //

NOAA Miami SFSS

Date: 16 APRIL 1982

Depicted land should not be used for navigation.

Position lines are for the edges of warmer water. The thin streamline is an estimated location for the maximum current. Measured current speeds may be shown.

(——) Position based on data 0 to 2 days old.

(-----) Position based on data 3 to 7 days old.

(.....) Position based on data 8 days or more old.

(....) Mean position for month

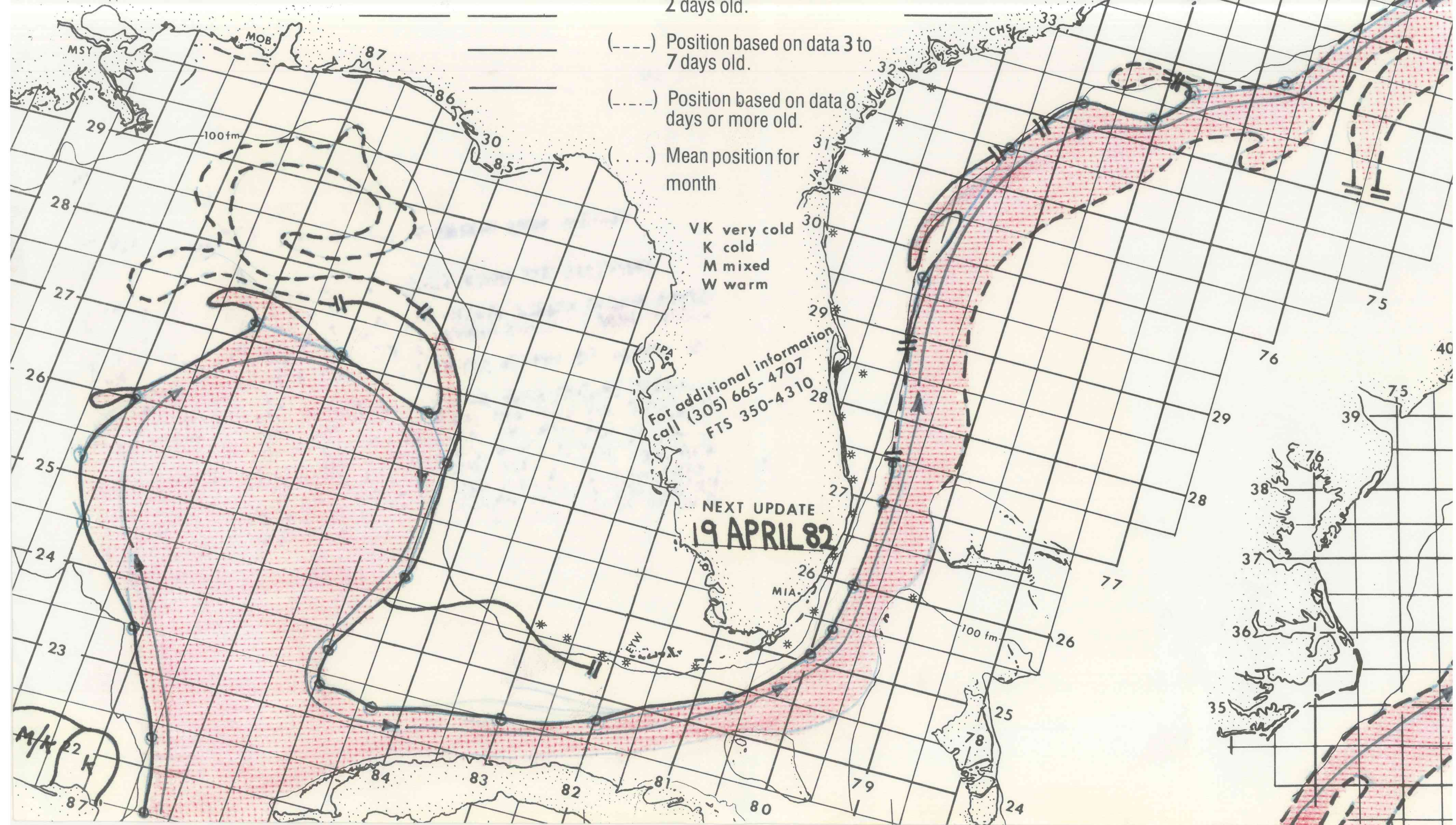
VK very cold
 K cold
 M mixed
 W warm

For additional information
 call (305) 665-4707
 FTS 350-4310

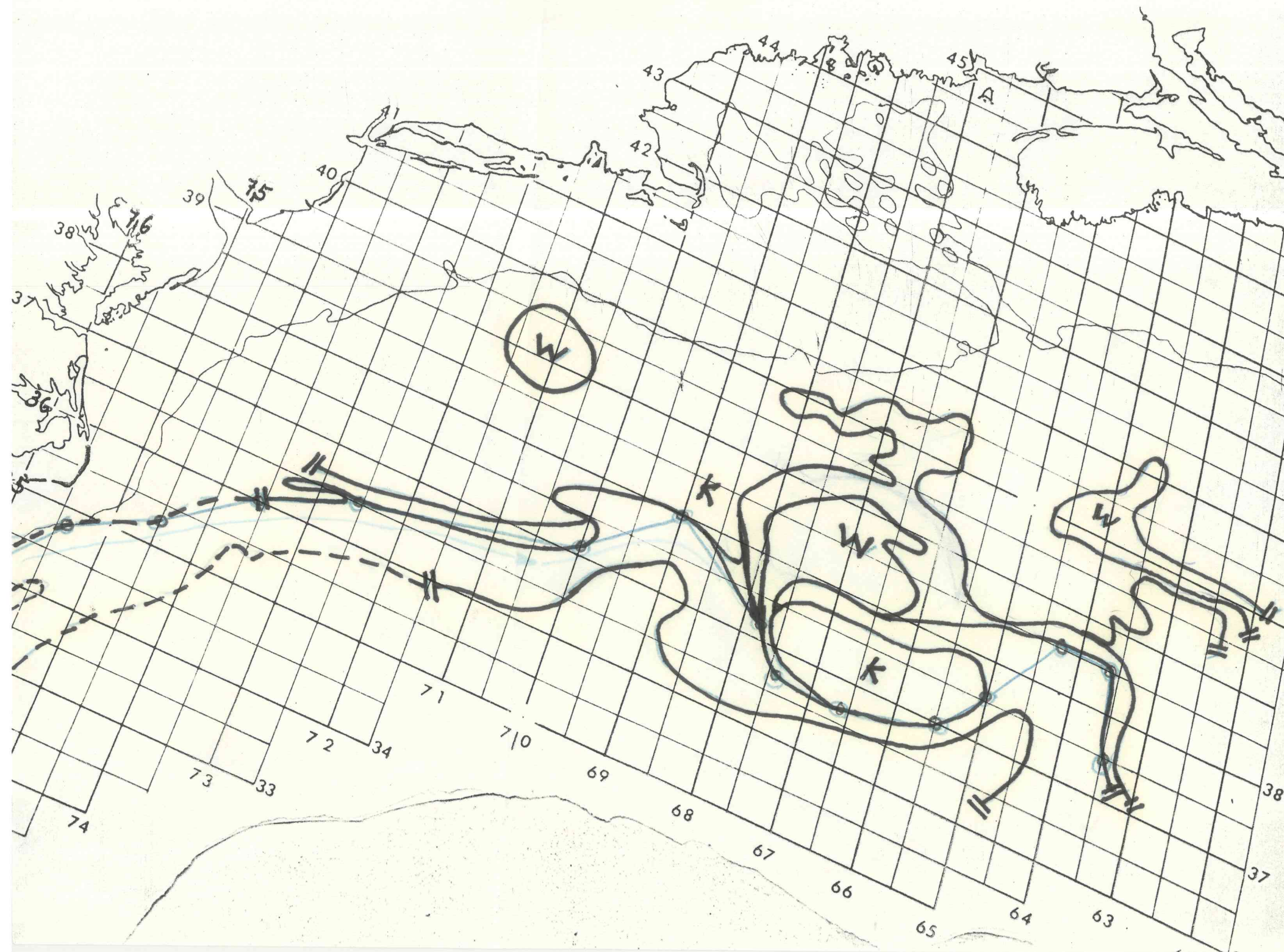
NEXT UPDATE
 19 APRIL 82

GULF STREAM SYSTEM FLOW CHART # 2450

270797 275797 297801 315796 323789
 323780 327777 331767 348754 353745
 360735 365725 371700 380690
 372678 366674 366666 370655
 375650 385643 385636
 375635 372635 // Ydw.



MIAMI SFSS ANALYSIS OF THE GULF STREAM: 16 APRIL 1982 PART B



NNNN↓

17072

1982 APR 16 PM 12:51

ABV

ZCZC MIAGLMMIA

TBXX40 KMIA 161730

MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT
16 APR 1982.

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

215863 224865 235871 260880 272871 271860 266848 262845 248845
238850 234850 237844 235830 238820 244806 251800 254798 260797.

DATA ARE CURRENT.

MIAMI SFSS SELECTED GULFSTREAM DATA FOR NOAA WEATHER RADIO...

A64/64/M/25. B88/45/M/25. C70/87/M/25. D71/78/M/25. E91/46/M/25.

F75/43/M/26. G53/43/M/26. H30/45/M/26. I40/50/M/26. J31/32/M/26.

K25/28/M/26. L17/32/M/26. M20/24/M/26. N20/24/M/26. O16/24/M/26.

P14/30/M/26. Q25/20/M/27. R40/35/M/27. S50/30/M/27. U73/26/M/27.

DATA ARE CURRENT EXCEPT FROM H THROUGH J BASED ON DATA FROM 14 APR.

A MEANDER IS OBSERVED ALONG THE SHOREWARD EDGE OF THE GULFSTREAM

SE OF B ..WITH AN INSIDE FRONT 59 NM SE OF B..67 NM E OF E..AND

57 NM E OF F.

BAIG/WHITE

NNNN

NNNN
ZCZC MIAGLMIA

7073
1982 APR 16 PM 12: 49

TBXX40 KMIA 161730
MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT
16 APR 1982.

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

215863 224865 235871 260880 272871 271860 266848 262845 248845
238850 234850 237844 235830 238820 244806 251800 254798 260797.
DATA ARE CURRENT.

MIAMI SFSS SELECTED GULFSTREAM DATA FOR NOAA WEATHER RADIO...

A64/64/M/25. B88/45/M/25. C70/87/M/25. D71/78/M/25. E91/46/M/25.
F75/43/M/26. G53/43/M/26. H30/45/M/26. I40/50/M/26. J31/32/M/26.
K25/28/M/26. L17/32/M/26. M20/24/M/26. N20/24/M/26. O16/24/M/26.
P14/30/M/26. Q25/20/M/27. R40/35/M/27. S50/30/M/27. U73/26/M/27.

DATA ARE CURRENT EXCEPT FROM H THROUGH J BASED ON DATA FROM 14 APR.

A MEANDER IS OBSERVED ALONG THE SHOREWARD EDGE OF THE GULFSTREAM
SE OF B ..WITH AN INSIDE FRONT 59 NM SE OF B..67 NM E OF E..AND
57 NM E OF F.

BAIG/WHITE

V

ZCZC

SXNT1 KWBC 161920

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

27.0/79.7	27.5/79.7	29.7/80.1	31.5/79.6
32.3/78.9	32.3/78.0	32.7/77.7	33.1/76.7
34.8/75.4	35.0/75.0	35.6/74.6	35.9/74.0
36.1/73.3	36.4/72.4	36.6/71.9	36.7/71.1
37.8/69.6	37.9/68.8	37.4/68.1	36.5/67.6
36.3/67.0	36.7/66.0	37.3/65.1	38.3/65.0

THE MAXIMUM CURRENT OF THE GULF STREAM LIES BETWEEN 12 15 MILES
SEAWARD OF THIS LINE.

COLD EDDIES	33.1/73.0/80W	NMI DIAM	30.1/78.4/40	NMI DIAM
	30.7/76.5/55	NMI DIAM		
WARM EDDIES	37.1/73.8/45	NMI DIAM	39.1/71.1/50	NMI DIAM
	38.3/67.1/110	NMI DIAM		

LATEST SATELLITE DATAO 4/16/82

Date: 19 APR 1982

Depicted land should not be used for navigation.

Position lines are for the edges of warmer water. The thin streamline is an estimated location for the maximum current. Measured current speeds may be shown.

(——) Position based on data 0 to 2 days old.

(-----) Position based on data 3 to 7 days old.

(.....) Position based on data 8 days or more old.

(....) Mean position for month

VK very cold
K cold
M mixed
W warm

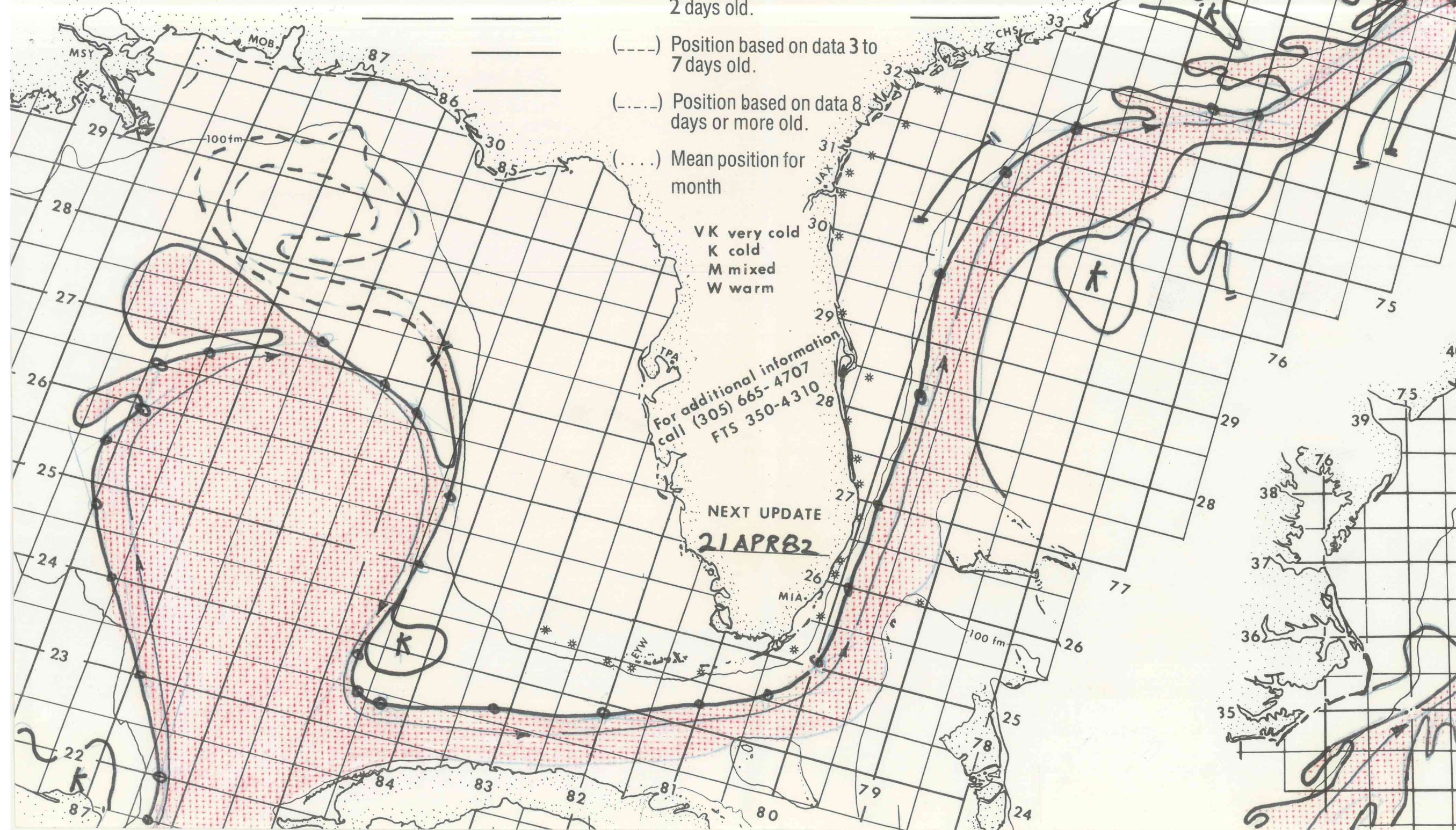
For additional information
call (305) 665-4707
FTS 350-4310

NEXT UPDATE

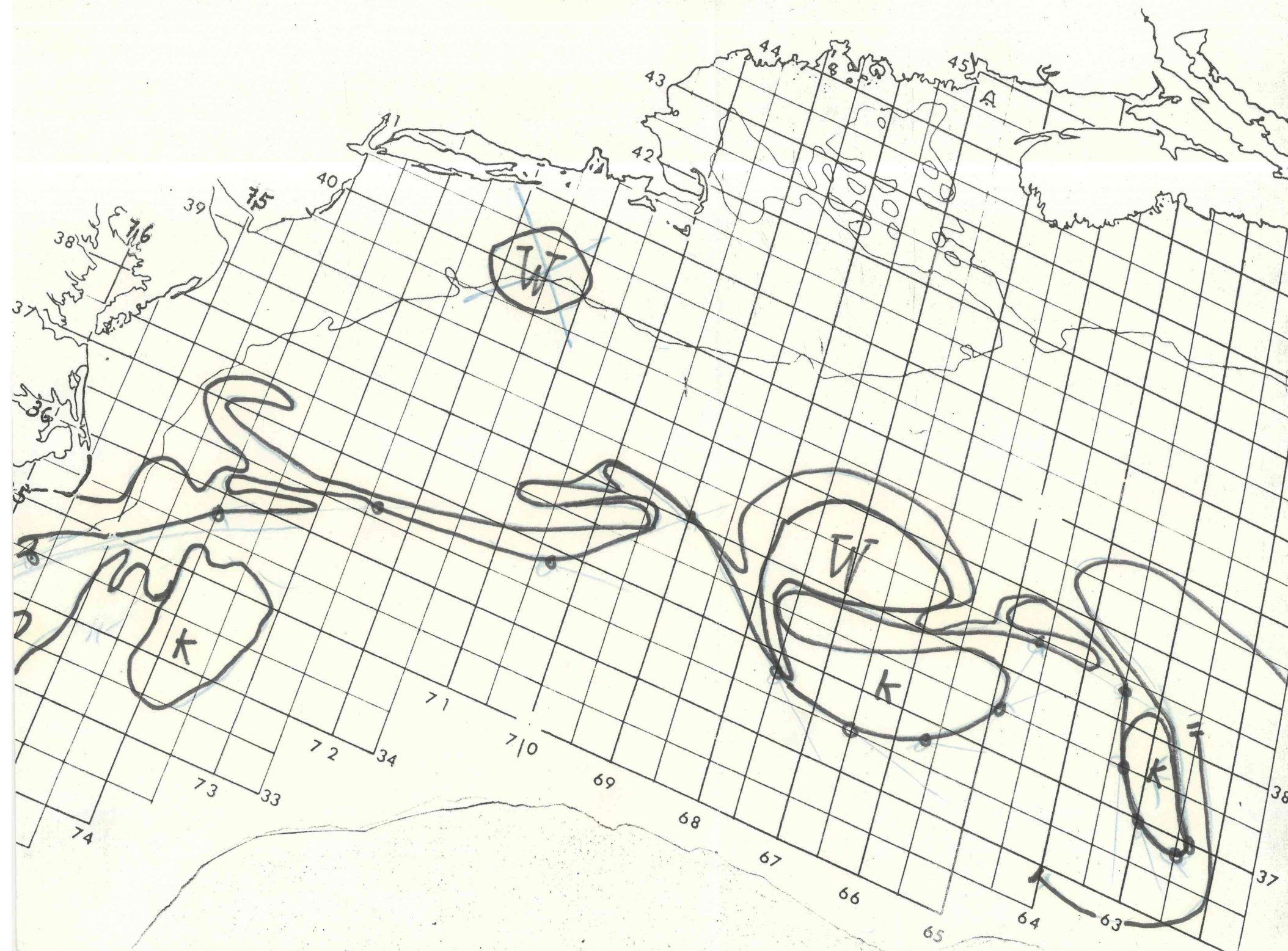
21 APR 82

215863 220864 230869 240876 248880
255881 259879 265879 268875 271863
269855 267850 259844 250844 239847
235846 234844 237832 239820 242810
246804 251800 260799//

270798 283798 298800 312796 320790
326775 327770 344757 358740 366724
368703 381690 368675 365665
367656 375649 385646 384635
375633 370630 368625
370624//8MP



MIAMI SFSS ANALYSIS OF THE GULF STREAM: 19 APR 1982 PART B



NNNN
ZCZC MIAGLNMIA

1982 APR 19 AM 11: 46

TBXX40 KNIA 191630
MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT
19 APR 1982.

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

215863 220864 230869 240876 248880 255881 259879 268875 272863
269855 267850 259844 250844 239847 235846 234844 237832 239820
242810 246804 251800 260799.

DATA ARE CURRENT.

MIAMI SFSS SELECTED GULFSTREAM DATA FOR NOAA WEATHER RADIO...

A82/52/M/25. B88/48/M/25. C89/85/M/25. D96/72/M/25. E92/51/M/25.
F80/42/M/26. G64/36/M/26. H36/39/M/26. I43/35/M/26. J25/38/M/26.
K18/35/M/26. L10/40/M/26. M12/36/M/26. N12/33/M/26. O12/29/M/26.
P20/33/M/26. Q24/24/M/27. R34/35/M/27. S39/36/M/27. U60/36/M/27.

DATA ARE CURRENT.

BAIG/WHITE

1982 APR 19 AM 11:46

ABV

ZCZC MIAGLMMIA

TBXX40 KMIA 191630

MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT
19 APR 1982.

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

215863 220864 230869 240876 248880 255881 259879 268875 272863
269855 267850 259844 250844 239847 235846 234844 237832 239820
242810 246804 251800 260799.

DATA ARE CURRENT.

MIAMI SFSS SELECTED GULFSTREAM DATA FOR NOAA WEATHER RADIO....

A82/52/M/25. B88/48/M/25. C89/85/M/25. D96/72/M/25. E92/51/M/25.
F80/42/M/26. G64/36/M/26. H36/39/M/26. I43/35/M/26. J25/38/M/26.
K18/35/M/26. L10/40/M/26. M12/36/M/26. N12/33/M/26. O12/29/M/26.
P20/33/M/26. Q24/24/M/27. R34/35/M/27. S39/36/M/27. U60/36/M/27.
DATA ARE CURRENT.

BAIG/WHITE

NNNNJ

GULF STREAM SYSTEM FLOW CHART # 2450

NOAA Miami SFSS

GULF STREAM SYSTEM FLOW CHART # 2450

Date: 21 APR 1982

Depicted land should not be used for navigation.

Position lines are for the edges of warmer water. The thin streamline is an estimated location for the maximum current. Measured current speeds may be shown.

(——) Position based on data 0 to 2 days old.

(-----) Position based on data 3 to 7 days old.

(.....) Position based on data 8 days or more old.

(....) Mean position for month

VK very cold
K cold
M mixed
W warm

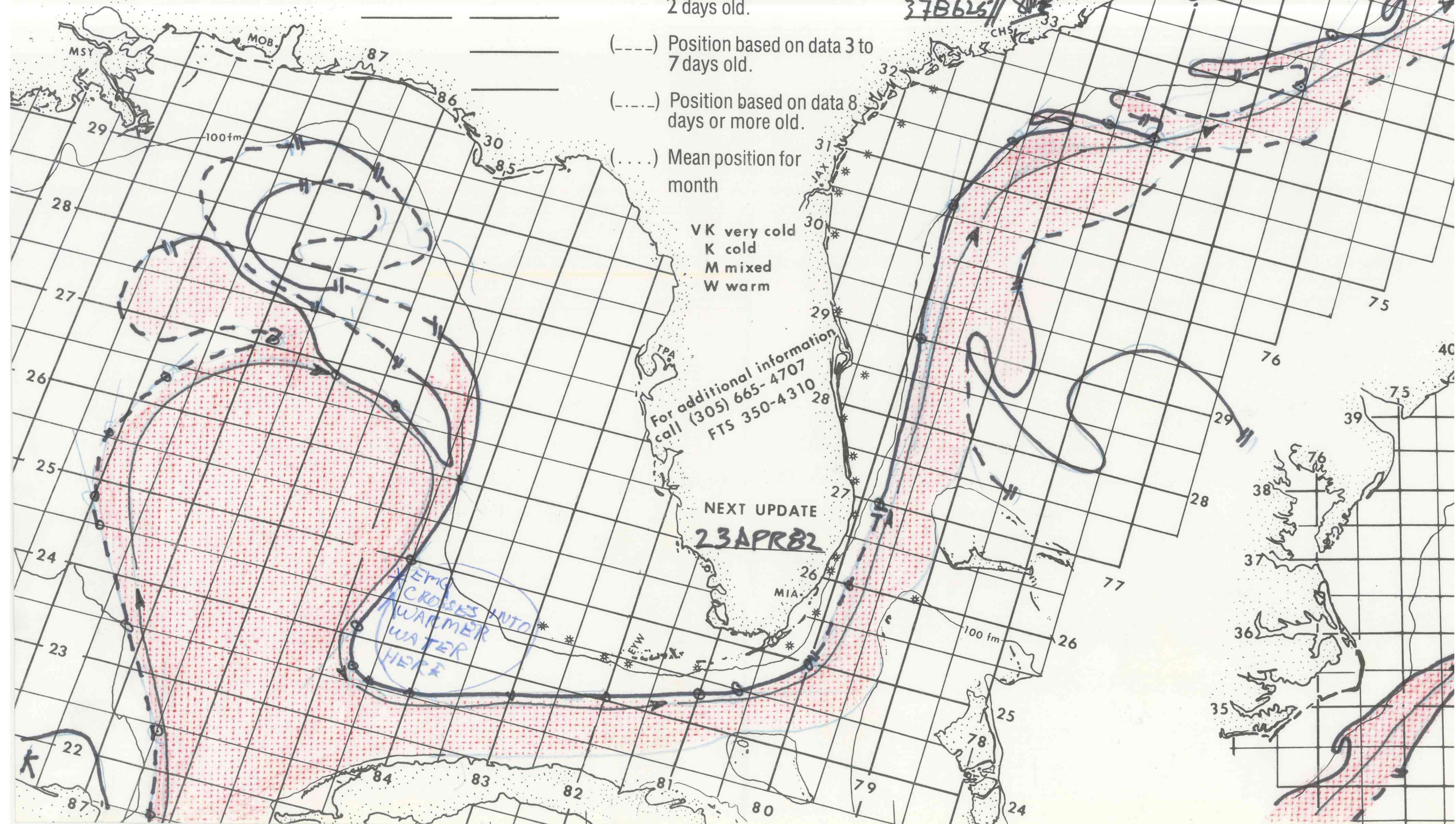
For additional information
call (305) 665-4707
FTS 350-4310

NEXT UPDATE

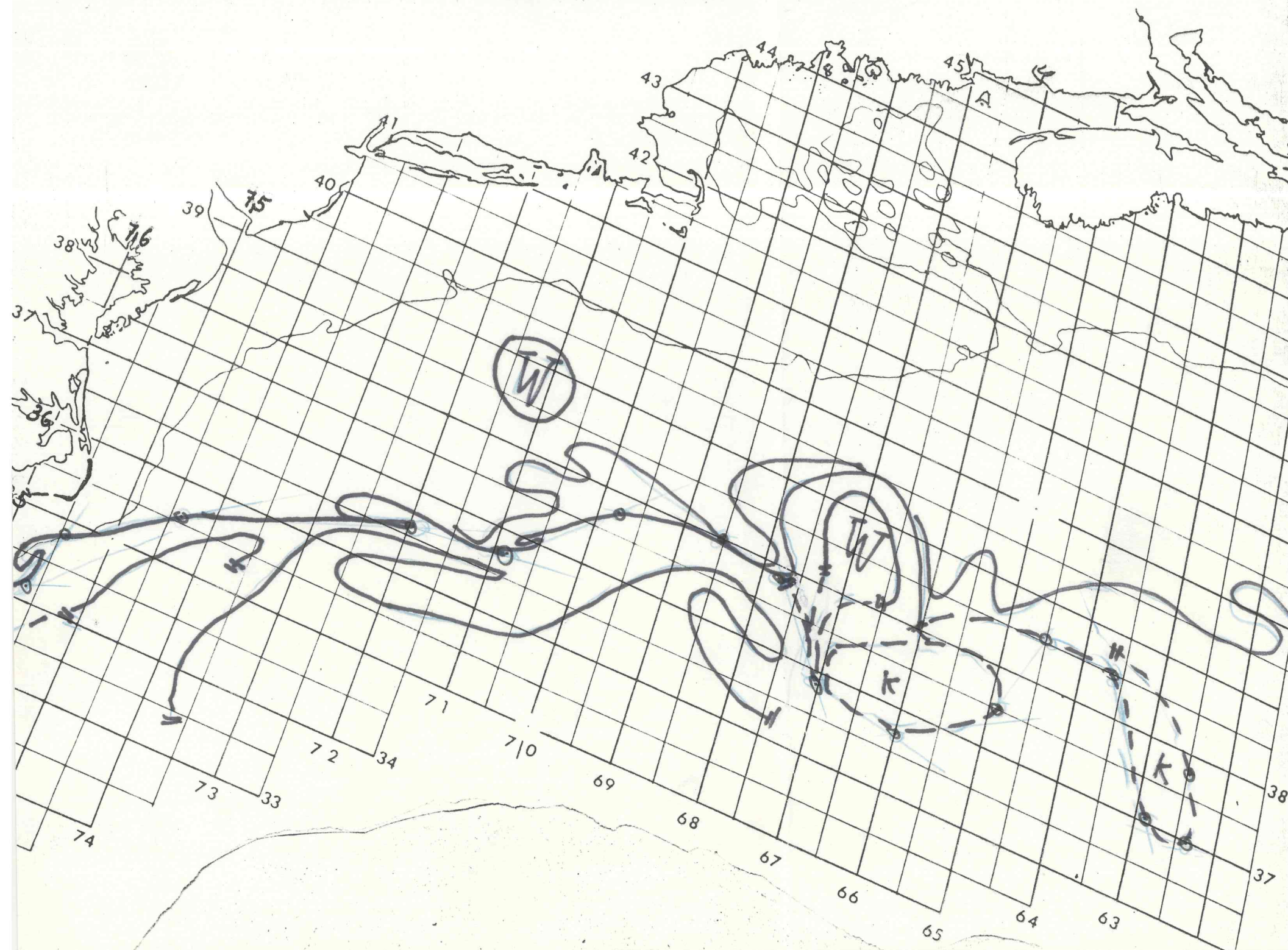
23 APR 82

215863 224865 235872 245878 247880
256881 263878 271868 269860 267852
260842 260845 241848 237847 235845
236840 238830 241820 243810 245806
250800 260798//

270798 290799 306800 316796 321786
321780 331766 339763 342756 348755
356744 366720 368709 378698
380685 379678 369670 367660
375649 385645 385636
370629 370624
378625//



PART B



NNNN

ZCZC MIAGLMMIA

WOU500 KNHC 211700

TBXX40 KMIA 211630

MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT
21 APR 1982.

1982 APR 21 AM 11: 26

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

215863 224865 235872 245878 247880 256881 263878 271868 269860
267852 260842 260845 241848 237847 235845 236840 238830 241820
243810 245806 250800 260798.

DATA ARE CURRENT EXCEPT FOR THE WESTERN EDGE OF THE LOOP BETWEEN
215863 AND 271868 FROM OBSERVATIONS MADE 19 APR.

MIAMI SFSS SELECTED GULFSTREAM DATA FOR NOAA WEATHER RADIO...

A68/65/M/25. B70/60/M/25. C74/92/M/25. D82/77/M/25. E76/63/M/25.
F70/55/M/26. G56/33/M/26. H32/37/M/26. I39/34/M/26. J26/31/M/26.
K21/26/M/26. L15/30/M/26. M15/30/M/26. N15/28/M/26. O11/26/M/26.
P17/29/M/26. Q20/24/M/26. R21/35/M/26. S26/36/M/26. U48/40/M/26.

DATA ARE CURRENT EXCEPT FOR POSITIONS L THROUGH O FROM OBSERVATIONS
MADE 19 APRIL.

BAIG/WHITE

NNNN↓↓A

ZCZC WBC030

SXNT1 KWBC 212100

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

27.0/79.8 29.0/79.9 30.0/80.0 30.7/79.9

32.0/79.0 32.1/78.6 32.3/78.0 33.1/76.6

33.8/76.3 34.2/75.6 34.8/75.5 35.6/74.4

36.6/72.0 36.8/70.9 37.8/69.8 38.0/68.5

37.9/67.8 36.9/67.0 36.7/66.0 37.5/64.9

THE MAXIMUM CURRENT OF THE GULF STREAM LIES BETWEEN 12 ↑ 15 MILES
SEAWARD OF THIS LINE.

COLD EDDIES

35.0/63.3/55NMI. DIAM.⊙ 39.2/47.6/40NMI. DIAM.⊙ 35.7/68.5/50NMI. DIAM.⊙

33.8/73.4/95NMI. DIAM.⊙ 30.9/73.6/90NMI. DIAM.⊙ 29.9/78.4/70NMI. DIAM.⊙

28.8/77.8/65NMI. DIAM.⊙

WARM EDDIES

36.8/74.0/65NMI. DIAM.⊙ 38.7/71.1/55NMI. DIAM.⊙ 38.6/66.8/85NMI. DIAM.⊙

39.8/66.2/50NMI. DIAM.⊙ 40.6/64.0/80NMI. DIAM.⊙ 41.3/56.6/75NMI. DIAM.⊙

41.6/55.3/45NMI. DIAM.⊙

LATEST SATELLITE DATAO 4/21/82 AT 1200Z

Date: **23 APR 1982**

215868 218868 233876 243881 253883
265878 271866 268855 263847 256845
246846 240848 235847 234841 237831
240820 244809 248802 253799 260798 // *fyw*

Depicted land should not be used for navigation.

Position lines are for the edges of warmer water. The thin streamline is an estimated location for the maximum current. Measured current speeds may be shown.

(——) Position based on data 0 to 2 days old.

(----) Position based on data 3 to 7 days old.

(.....) Position based on data 8 days or more old.

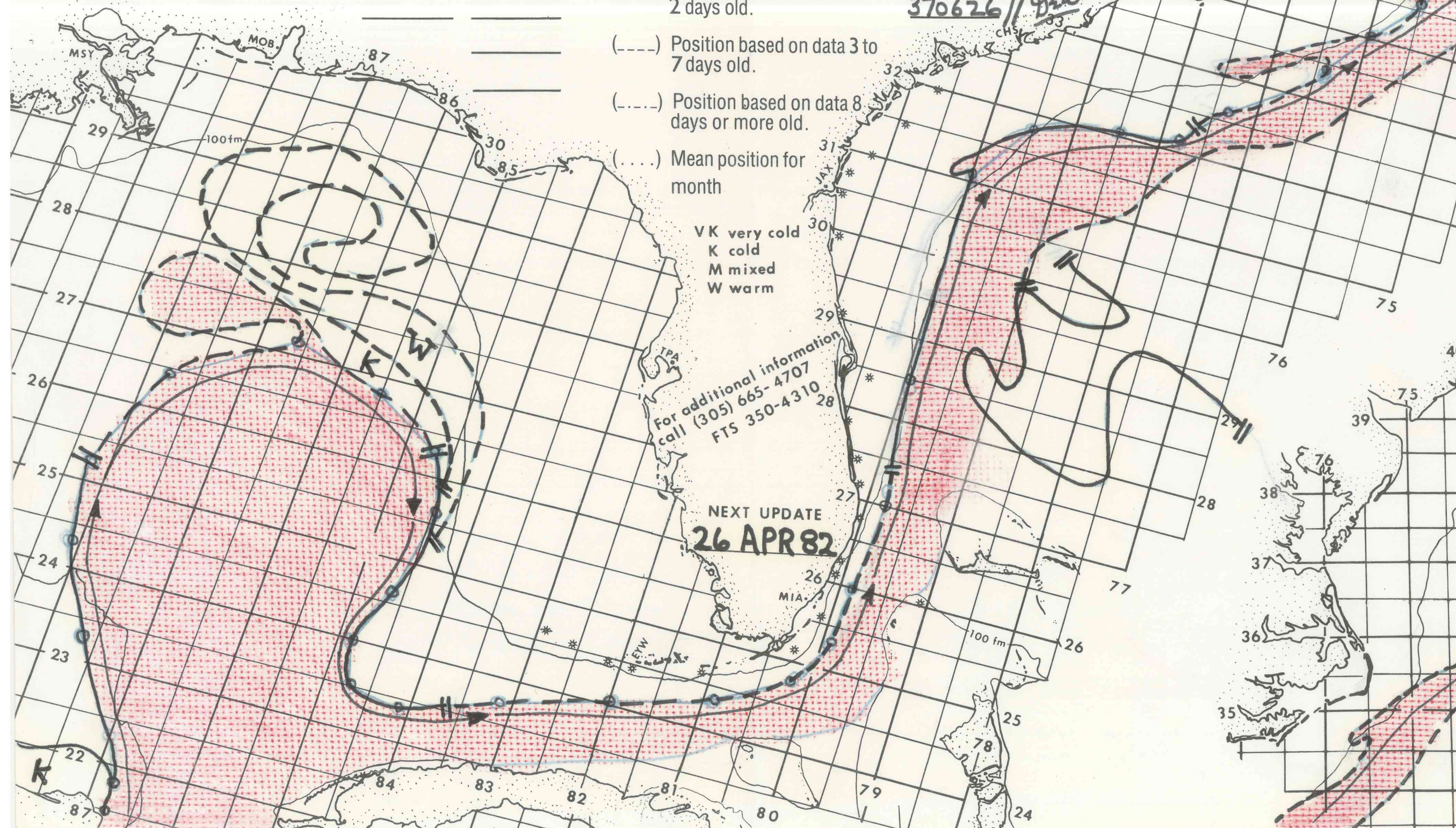
(....) Mean position for month

VK very cold
K cold
M mixed
W warm

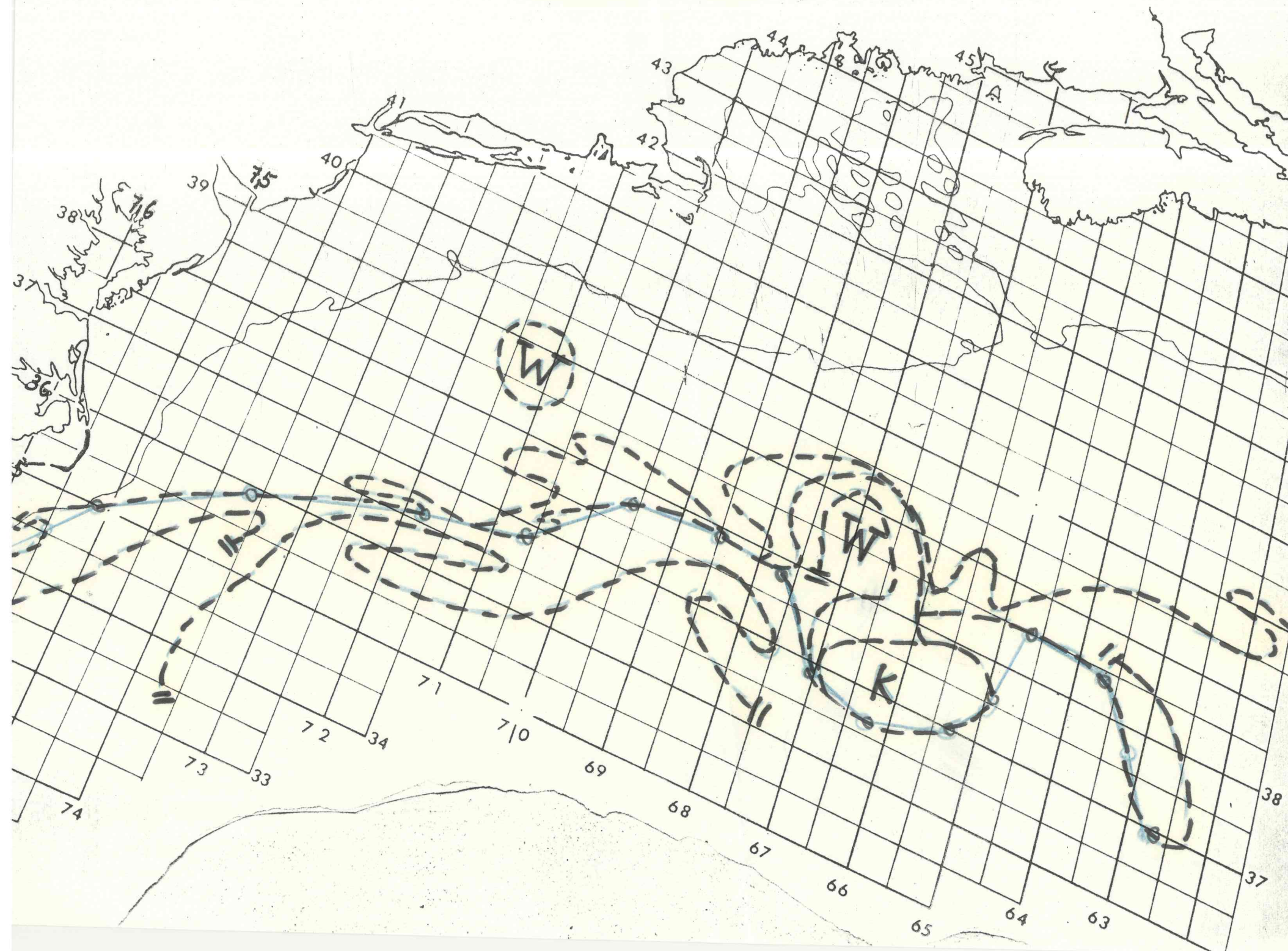
For additional information
call (305) 665-4707
FTS 350-4310

NEXT UPDATE
26 APR 82

270798 285799 311800 318795 320785
321778 326774 334764 340760 346755
350752 359736 366718 368706
378696 379685 378676 369670
366662 370654 375649
385646 384636
370626 // *fyw*



MIAMI SFSS ANALYSIS OF THE GULF STREAM: 23 APR 1982 PART B



NNNN↓↓A

ZCZC WEC491

SXNT1 KWEC 232230

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

27.0/79.8 28.5/79.9 31.1/80.0 31.8/79.5

32.0/78.5 32.1/77.8 32.6/77.4 33.4/76.4

34.0/76.0 34.6/75.5 35.0/75.0 36.0/74.0

↓↓A

ZCZC WEC491

SXNT1 KWEC 232230

GULF STREAM LOCATION † THE LINE DESCRIBED BY LOARNING

ZCZC WEC491

SXNT1 KWEC 232230

GULF STREAM LOCATION † THE LINE DESCRIB

GO SW

↓↓A

V↓↓A

ZCZC WEC491

SXNT1 KWEC 232230

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

27.0/79.8 28.5/79.9 31.1/80.0 31.8/79.5

32.0/78.5 32.1/77.8 32.6/77.4 33.4/76.4

34.0/76.0 34.6/75.5 35.0/75.0 36.0/74.0

36.0/73.4 36.4/72.8 36.6/71.1 37.3/70.4

38.0/69.4 38.0/67.7 36.3/67.3 36.2/66.9

37.0/65.6 38.0/65.0

THE MAXIMUM CURRENT OF THE GULF STREAM LIES BETWEEN 12+15 MILES
SEAWARD OF THIS LINE.

COLD EDDIESO 35.7/68.7/50 NMI. DIAM 35.0/63.3/50 NMI. DIAM
37.2/62.5/65 NMI. DIAM 37.0/55.4/45 NMI. DIAM
39.4/47.4/50 NMI. DIAM 40.1/44.7/55 NMI. DIAM
41.5/47.8/85 NMI. DIAM

WARM EDDIESO 36.8/73.7/55 NMI. DIAM 39.0/71.4/65 NMI. DIAM
39.7/65.9/50 NMI. DIAM 41.0/63.7/55 NMI. DIAM
41.1/56.4/60 NMI. DIAM 41.7/54.9/55 NMI. DIAM
41.0/51.8/90 NMI. DIAM

LATEST SATELLITE DATAO 4/23/82 AT 1200Z

NNNN
ZCZC MIAGLMMIA

1982 APR 23 AM 10:41

TBXX40 KNIA 231600
MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT
23 APR 1982.

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

215868 218868 233876 243881 253883 265878 271866 268855 263847
256845 246846 240848 235847 234841 237831 240820 244809 248802
253799 260798.

DATA ARE CURRENT EXCEPT FOR PORTIONS BETWEEN 253883 TO 263847...
AND 235836 TO 260798... WHICH ARE FROM OBSERVATIONS MADE
21 APRIL.

MIAMI SFSS SELECTED GULFSTREAM DATA FOR NOAA WEATHER RADIO...
A50/81/M/25. B73/73/M/25. C68/96/M/25. D78/73/M/25. E78/56/M/25.
F73/52/M/26. G55/35/M/26. H26/37/M/26. I32/42/M/26. J24/35/M/26.
K20/30/M/26. L15/30/M/26. M15/30/M/26. N15/28/M/26. O11/26/M/26.
P15/29/M/26. Q20/24/M/26. R21/35/M/26. S26/36/M/26. U48/40/M/26.
DATA ARE CURRENT EXCEPT FOR POSITIONS K THROUGH U FROM OBSERVATIONS
MADE 21 APRIL.

WHITE

Date: **26 APR 1982**

Depicted land should not be used for navigation.

Position lines are for the edges of warmer water. The thin streamline is an estimated location for the maximum current. Measured current speeds may be shown.

(——) Position based on data 0 to 2 days old.

(-----) Position based on data 3 to 7 days old.

(.....) Position based on data 8 days or more old.

(....) Mean position for month

VK very cold
K cold
M mixed
W warm

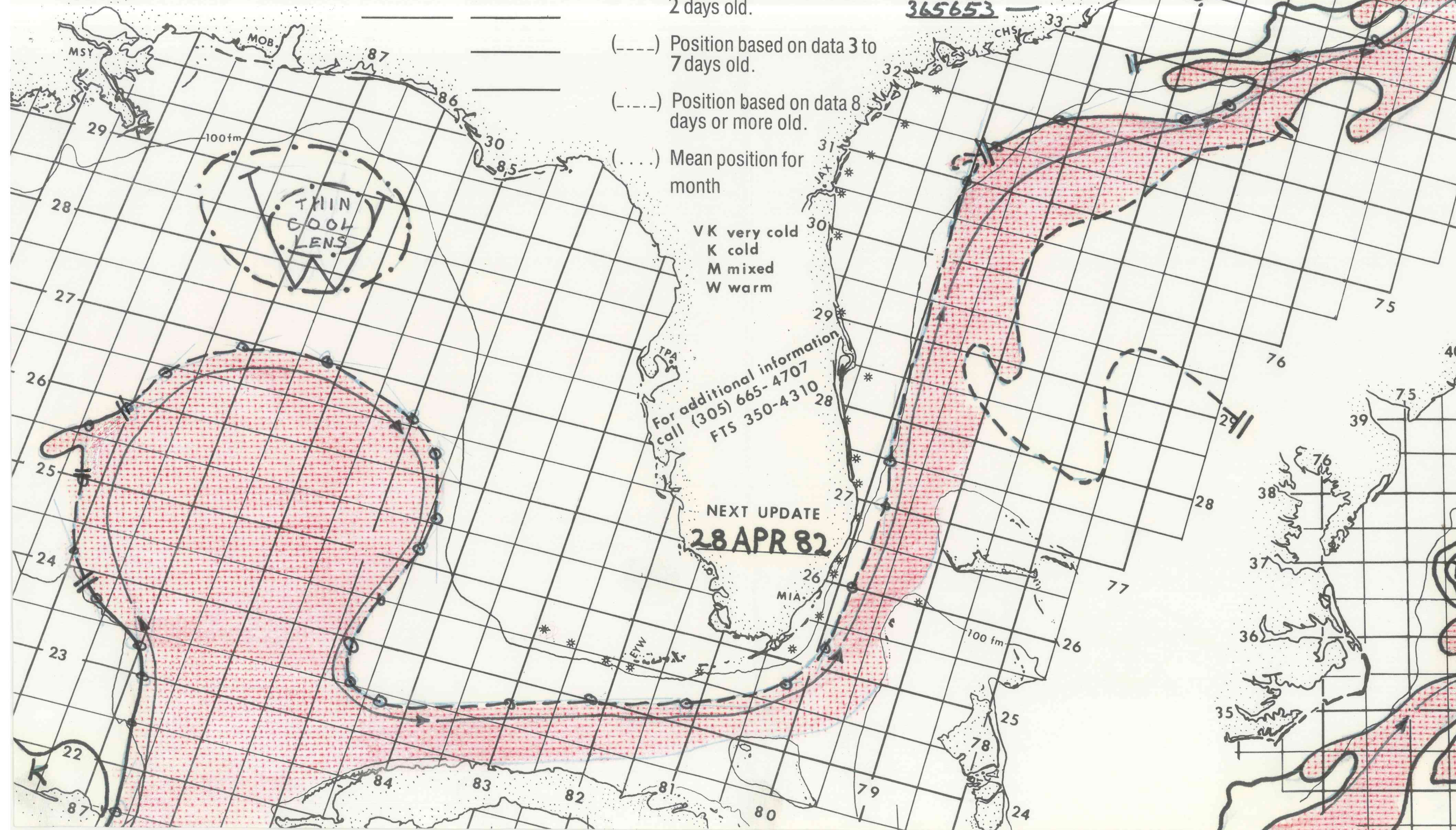
For additional information
call (305) 665-4707
FTS 350-4310

NEXT UPDATE

28 APR 82

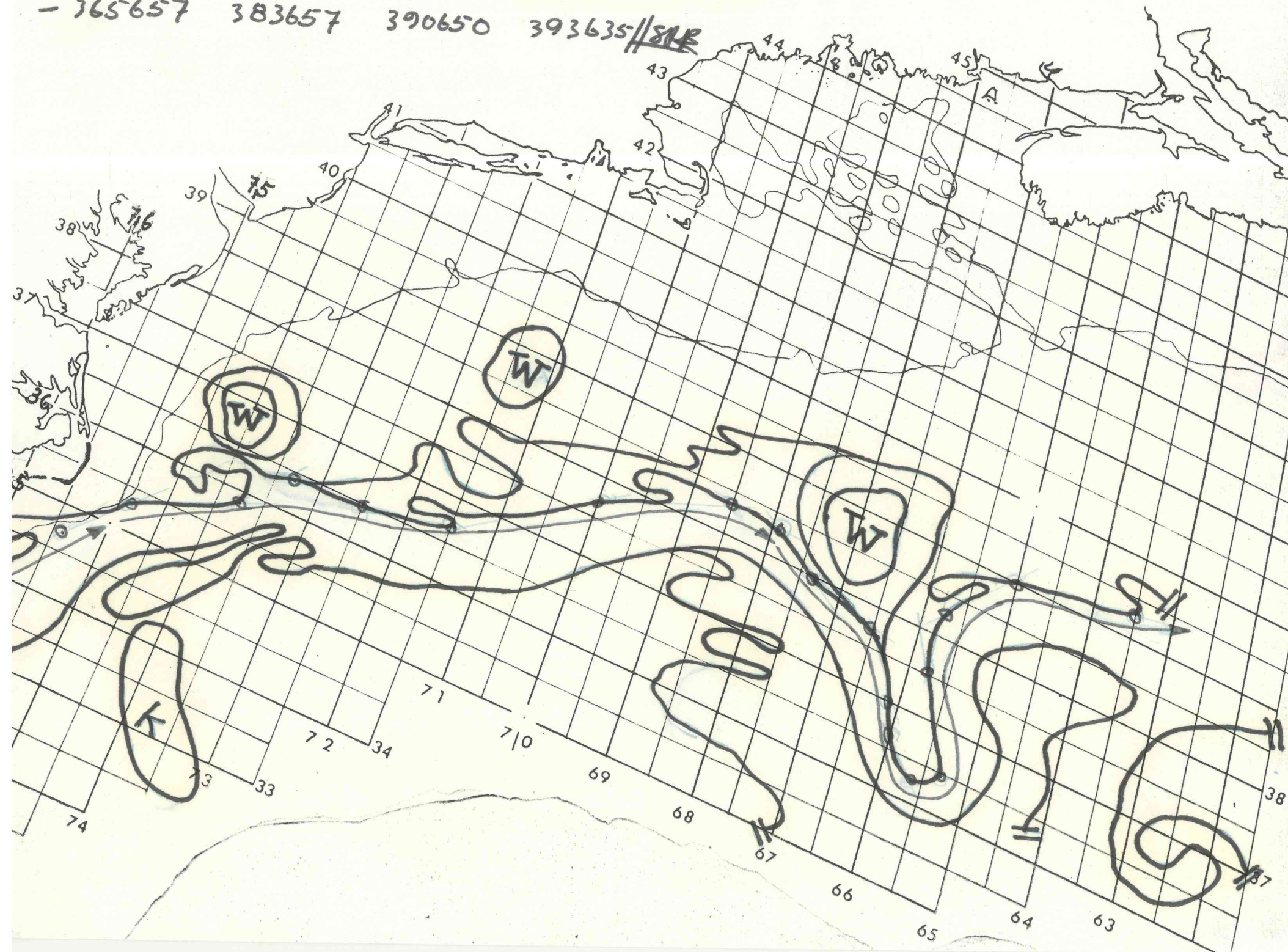
215866 228868 230869 234870 237876
242880 250882 256884 259880 264878
269871 270862 266850 263846 256844
252845 245847 239848 235847 234843
238830 240822 242811 247802 252799
260800//

270798 275799 310800 315798 320792
324777 327773 335767 340758 347754
353749 359737 364733 365725
367715 377700 384685 383679
380674 377665 370662
367660 363657
365653



MIAMI SFSS ANALYSIS OF THE GULF STREAM: **26 APR 1982** PART B

- 365657 383657 390650 393635//~~SLR~~



↓↓A
ZCZC WBC744
SXNT1 KWBC 282030
GULF STREAM LOCATION↑THE LINE DESCRIBED BY THE FOLLOWING
SEQUENCE OF POINTS REPRESENTS THE WEST WALL OF THE GULF STREAM.

27.0/79.8 27.5/79.9 31.0/80.0 31.5/79.8
32.0/79.2 32.4/77.7 32.7/77.3 33.5/76.7
34.0/75.8 34.7/75.4 35.6/74.0 36.1/73.8
38.3/73.0 38.2/68.7 38.1/67.8 37.5/66.6
36.4/65.7 36.4/65.3 36.9/65.2 37.8/65.7
38.3/65.6 38.5/65.0

THE MAXIMUM CURRENT OF THE GULF STREAM LIES BETWEEN 12↑15 MILES
SEAWARD OF THIS LINE.

COLD EDDIES 36.8/62.4/50 NMI⊙ DIAM 33.9/73.3/70 NMI. DIAM.
WARM EDDIES 36.8/73.9/60 NMI. DIAM. 38.8/71.5/60 NMI. DIAM. 39.0/
66.8/80 NMI. DIAM. 40.7/64.2 40 NMI. DIAM. 40.6/57.0/
100 NMI. DIAM. 40.9/52.0/70 NMI. DIAM
LATEST SATELLITE DATA 4/26/82 1200Z

NNNN

Date: **28 APR** 1982

Depicted land should not be used for navigation.

Position lines are for the edges of warmer water. The thin streamline is an estimated location for the maximum current. Measured current speeds may be shown.

(——) Position based on data 0 to 2 days old.

(-----) Position based on data 3 to 7 days old.

(.....) Position based on data 8 days or more old.

(....) Mean position for month

V K very cold
K cold
M mixed
W warm

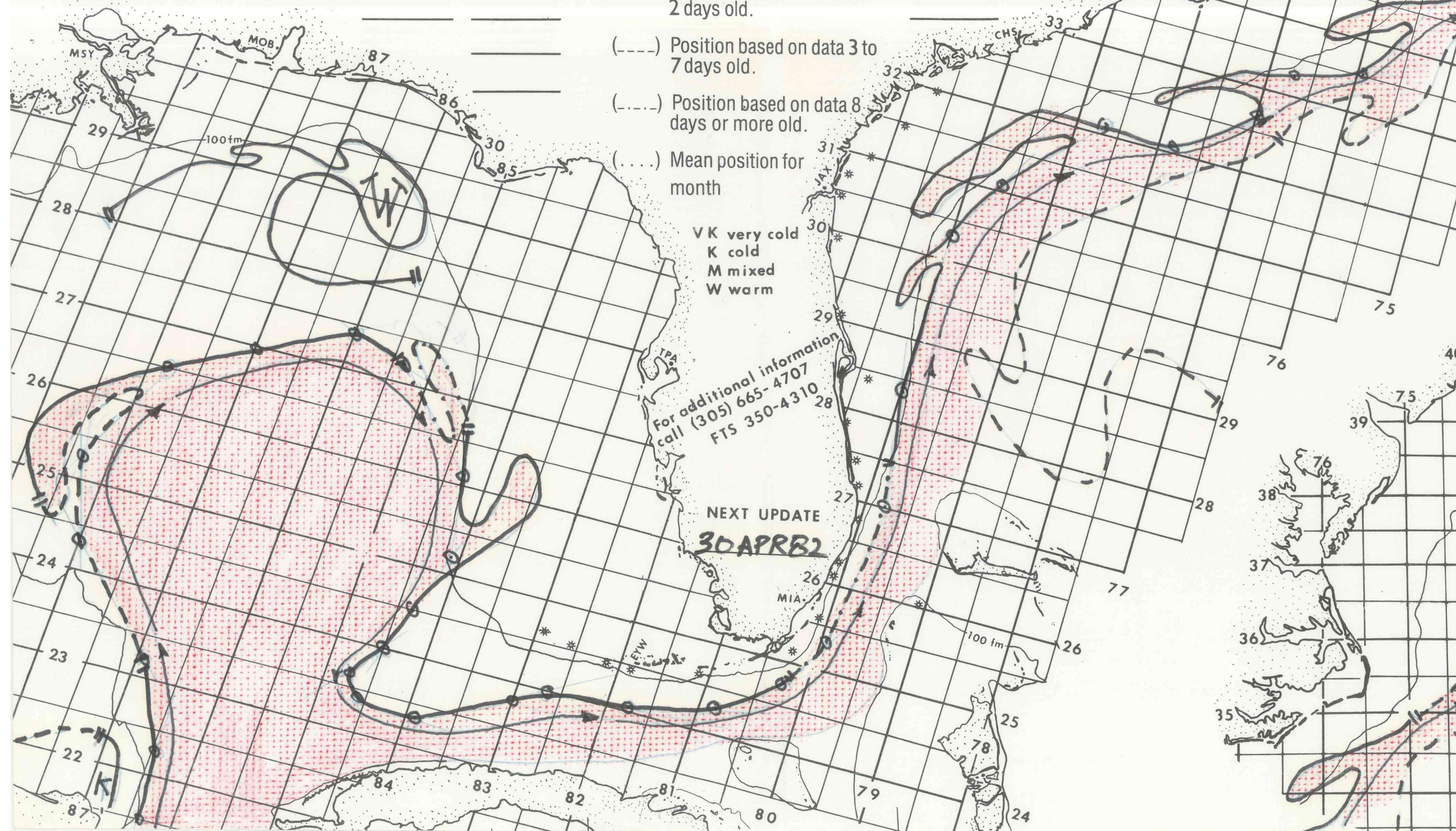
For additional information
call (305) 665-4707
FTS 350-4310

NEXT UPDATE

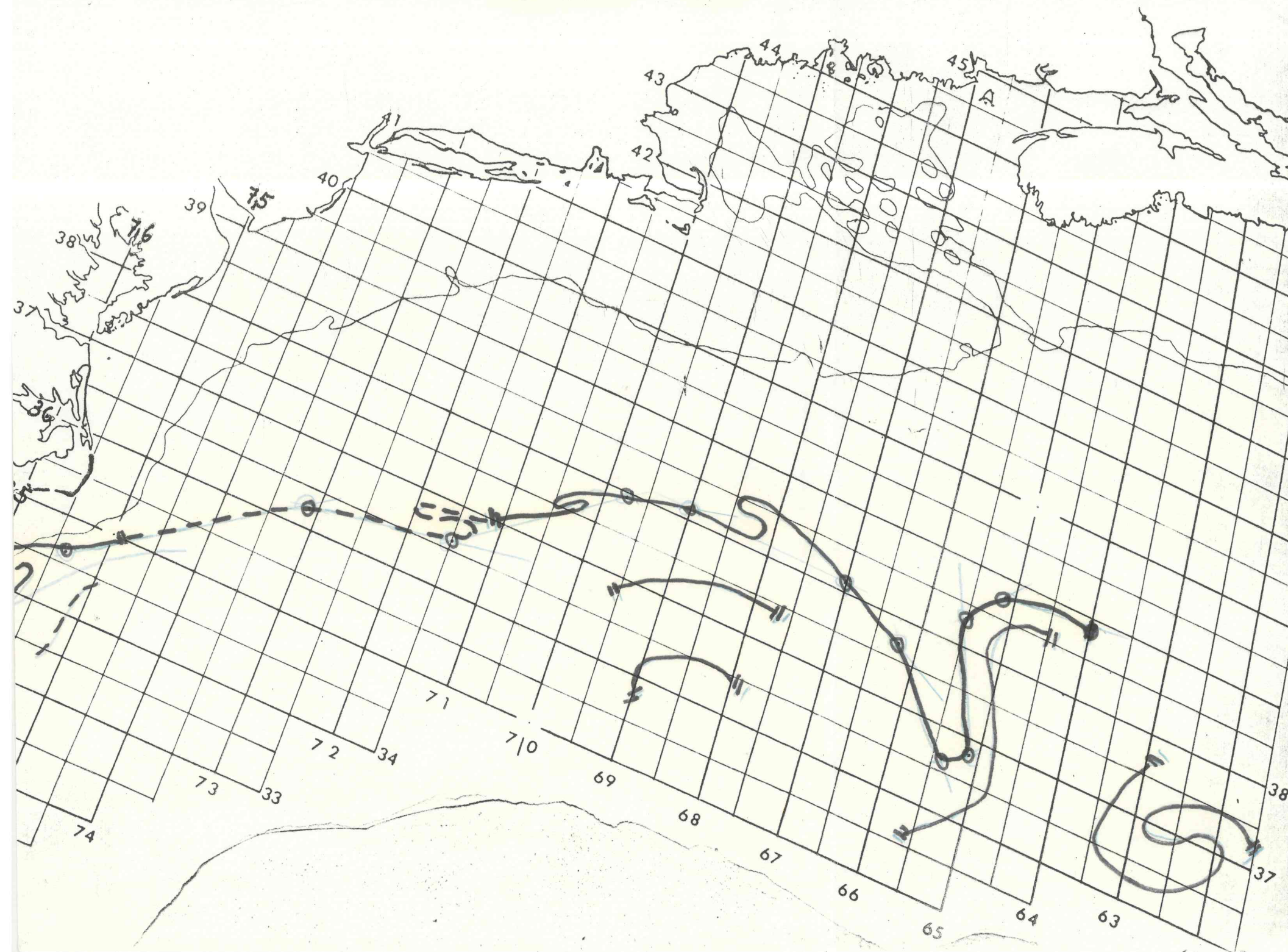
30 APR 82

215864 223865 232869 243880 253883
265878 270870 274860 272854 261843
252841 245843 240845 236847 234846
234839 238830 240826 241817 243808
247802 253799 260799//

270798 284800 303800 311796 321787
321778 327770 333767 335759 346754
363731 366715 380697 381690
381670 377662 366654 368652
383655 387652 389640//



MIAMI SFSS ANALYSIS OF THE GULF STREAM: 28 APR 1982. PART B



NNNN

ZCZC MIAGLMMIA

Lacey

TBXX40 KMIA 281400

MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT
28 APR 1982.

1982 APR 28 AM 10:26

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

215864 223865 232869 243880 253883 265878 270870 274860 272854
261843 252841 245843 240845 236847 234846 234839 238830 240826
241817 243808 247802 253799 260799.

DATA CURRENT EXCEPT POSITIONS FROM 232869 TO 265878 FROM 26 APR...
AND NORTH OF 247802 FROM 21 APR 82.

MIAMI SFSS SELECTED GULFSTREAM DATA FOR NOAA WEATHER RADIO...

A76/50/M/25. B75/60/M/25. C86/66/M/25. D87/56/M/25. E81/51/M/25.
F71/50/M/26. G54/33/M/26. H24/36/M/26. I34/35/M/26. J22/30/M/26.
K20/32/M/26. L15/32/M/26. M16/30/M/26. N15/30/M/26. O11/27/M/26.
P12/30/M/26. Q25/20/M/27. R25/37/M/27. S25/40/M/27. U41/42/M/27.

AN INSIDE FRONT IS OBSERVED ALONG THE SHOREWARD EDGE OF THE GULF
STREAM AT THE FOLLOWING DISTANCES...44 NM SE OF A..37 NM SE OF B..
44 NM E OF C..44 NM E OF D..48 NM E OF E..AND 56 NM E OF F.

DATA FOR J THROUGH P ARE BASED ON OBSERVATIONS OF 21 APR 82...
REMAINDER ARE CURRENT.

WHITE/BAIG

Date: **30 APR 1982**

Depicted land should not be used for navigation.

Position lines are for the edges of warmer water. The thin streamline is an estimated location for the maximum current. Measured current speeds may be shown.

(——) Position based on data 0 to 2 days old.

(----) Position based on data 3 to 7 days old.

(.....) Position based on data 8 days or more old.

(....) Mean position for month

VK very cold
K cold
M mixed
W warm

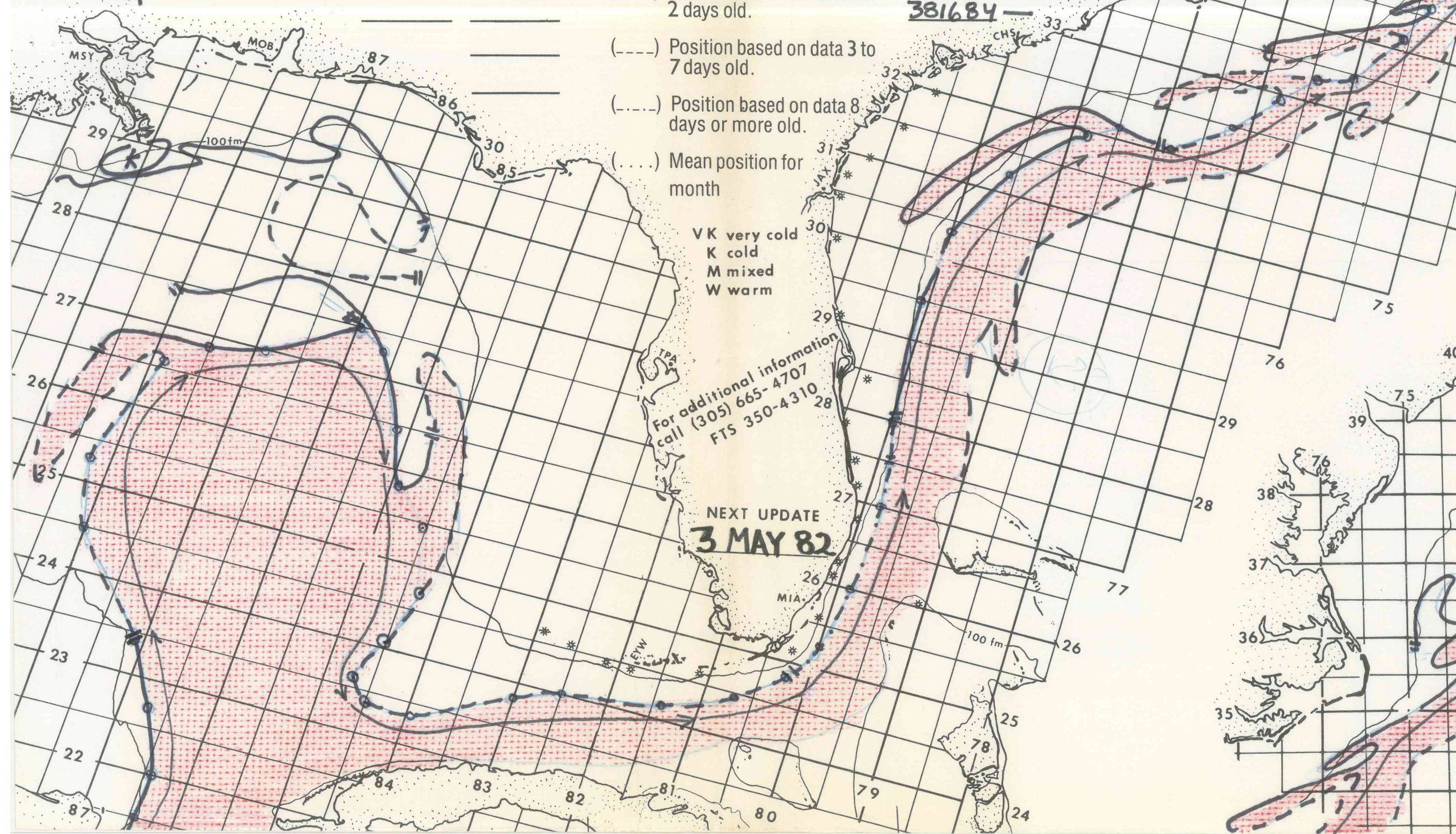
For additional information
call (305) 665-4707
FTS 350-4310

NEXT UPDATE

3 MAY 82

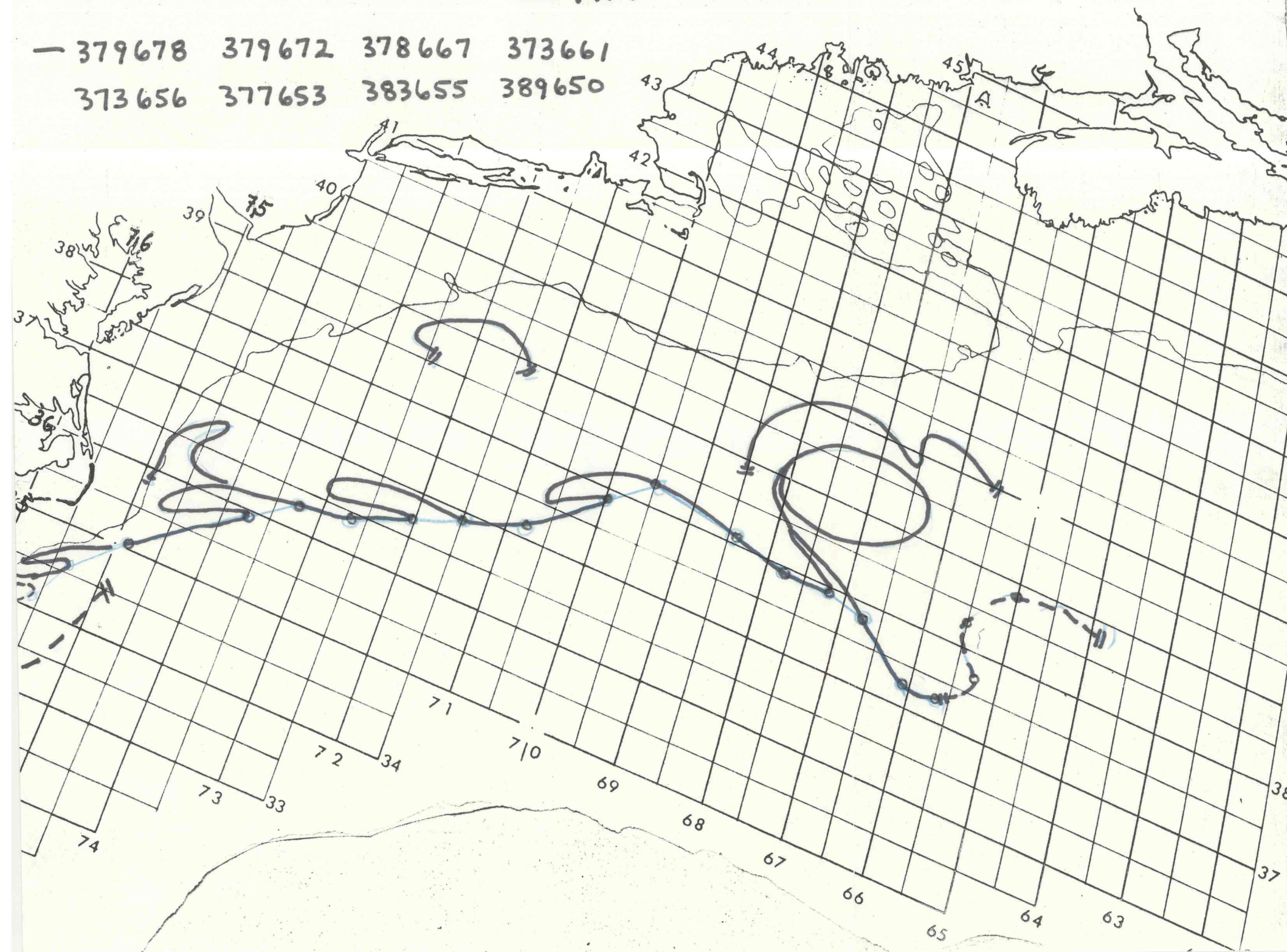
215864 220864 227867 234871 245880
253883 266879 269875 270869 275860
273856 264851 258849 255845 247843
241845 236847 234845 234840 238830
240825 242814 244806 248802 252800
260798//

270798 280800 295801 304800 312796
320788 321785 321778 325772 329768
333764 335760 341756 346754
350749 359737 363733 364726
367720 369715 372708
379700 383695
381684



MIAMI SFSS ANALYSIS OF THE GULF STREAM: 30 APR 1982 PART B

— 379678 379672 378667 373661
373656 377653 383655 389650



V

ZCZC

SXNT1 KWBC 302035

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

27.0/79.8 28.0/80.0 29.5/80.1 30.4/80.0
31.2/79.6 32.0/78.8 32.1/78.5 32.1/78.8
32.5/77.2 32.9/76.8 33.3/76.4 33.5/76.0
34.1/75.6 34.6/75.4 35.2/74.9 36.0/73.9
36.2/72.9 37.4/70.3 38.2/69.4 38.1/68.8
37.9/67.9 37.8/66.9 37.0/66.0 36.9/65.4 37.1/64.9

THE MAXIMUM CURRENT OF THE GULF STREAM LIES BETWEEN 12+15 MILES
SEAWARD OF THIS LINE.

COLD EDDIES 36.6/62.6/60 NMI. DIAM. /32.9/73.3/70 NMI. DIAM.
WARM EDDIES 36.4/74.1/50 NMI. DIAM. /39.0/71.7/55 NMI. DIAM. /39.0/
67.0/90 NMI DIAM. 40.0/66.0/20 NMI. DIAM. /40.4/64.5/
55 NMI. DIAM. /40.7/57.8/100 NMI. DIAM.

LATEST SATELLITE DATAO 4/30/82 AT 1200Z

NNNNJ

NNNN↓↓A

ZCZC WEC233

SXNT1 KWEC 302035

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

27.0/79.8 28.0/80.0 29.5/80.1 30.4/80.0

31.2/79.6 32.0/78.8 32.1/78.5 32.1/78.8

32.5/77.2 32.9/76.8 33.3/76.4 33.5/76.0

34.1/75.6 34.6/75.4 35.2/74.9 36.0/73.9

36.2/72.9 37.4/70.3 38.2/69.4 38.1/68.8

37.9/67.9 37.8/66.9 37.0/66.0 36.9/65.4 37.1/64.9

THE MAXIMUM CURRENT OF THE GULF STREAM LIES BETWEEN 12-15 MILES
SEAWARD OF THIS LINE.

COLD EDDIES 36.6/62.6/60 NMI. DIAM. /32.9/73.3/70 NMI. DIAM.
WARM EDDIES 36.4/74.1/50 NMI. DIAM. /39.0/71.7/55 NMI. DIAM. /39.0/
67.0/90 NMI DIAM. 40.0/66.0/20 NMI. DIAM. /40.4/64.5/
55 NMI. DIAM. /40.7/57.8/100 NMI. DIAM.

LATEST SATELLITE DATA 4/30/82 AT 1200Z

NNNN

NNNN
ZCZC MIAGLMMIA

TBXX40 KNIA 301400
MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT
30 APR 1982.

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

215864 220864 227867 234871 245880 253883 266879 269875 270869
275860 273856 264851 258849 255845 247843 241845 236847 234845
234840 238830 240825 242814 244806 248802 252800 260798.

DATA CURRENT EXCEPT POSITIONS FROM 234871 TO 266879 AND 247843
TO 248802 FROM 28 APR 82... 248802 TO 260798 FROM 21 APR 82.

MIAMI SFSS SELECTED GULFSTREAM DATA FOR NOAA WEATHER RADIO...

A76/52/M/25. B75/63/M/25. C85/65/M/25. D88/60/M/25. E81/54/M/25.

F70/54/M/26. G48/42/M/26. H22/49/M/26. I31/42/M/26. J23/35/M/26.

K19/34/M/26. L14/34/M/26. M15/30/M/26. N15/30/M/26. O11/27/M/26.

P12/30/M/26. Q20/25/M/27. R22/38/M/27. S24/39/M/27. U46/40/M/27.

AN INSIDE FRONT IS OBSERVED ALONG THE SHOREWARD EDGE OF THE GULF
STREAM AT THE FOLLOWING DISTANCES...46 NM SE OF A..40 NM SE OF B..

46 NM E OF C..49 NM E OF D..AND 42 NM E OF E.

DATA FOR J THROUGH P ARE BASED ON OBSERVATIONS OF 21 APR 82...

Q THROUGH U ARE BASED ON OBSERVATIONS OF 28 APR 82.

REMAINDER ARE CURRENT.

WHITE/BAIG