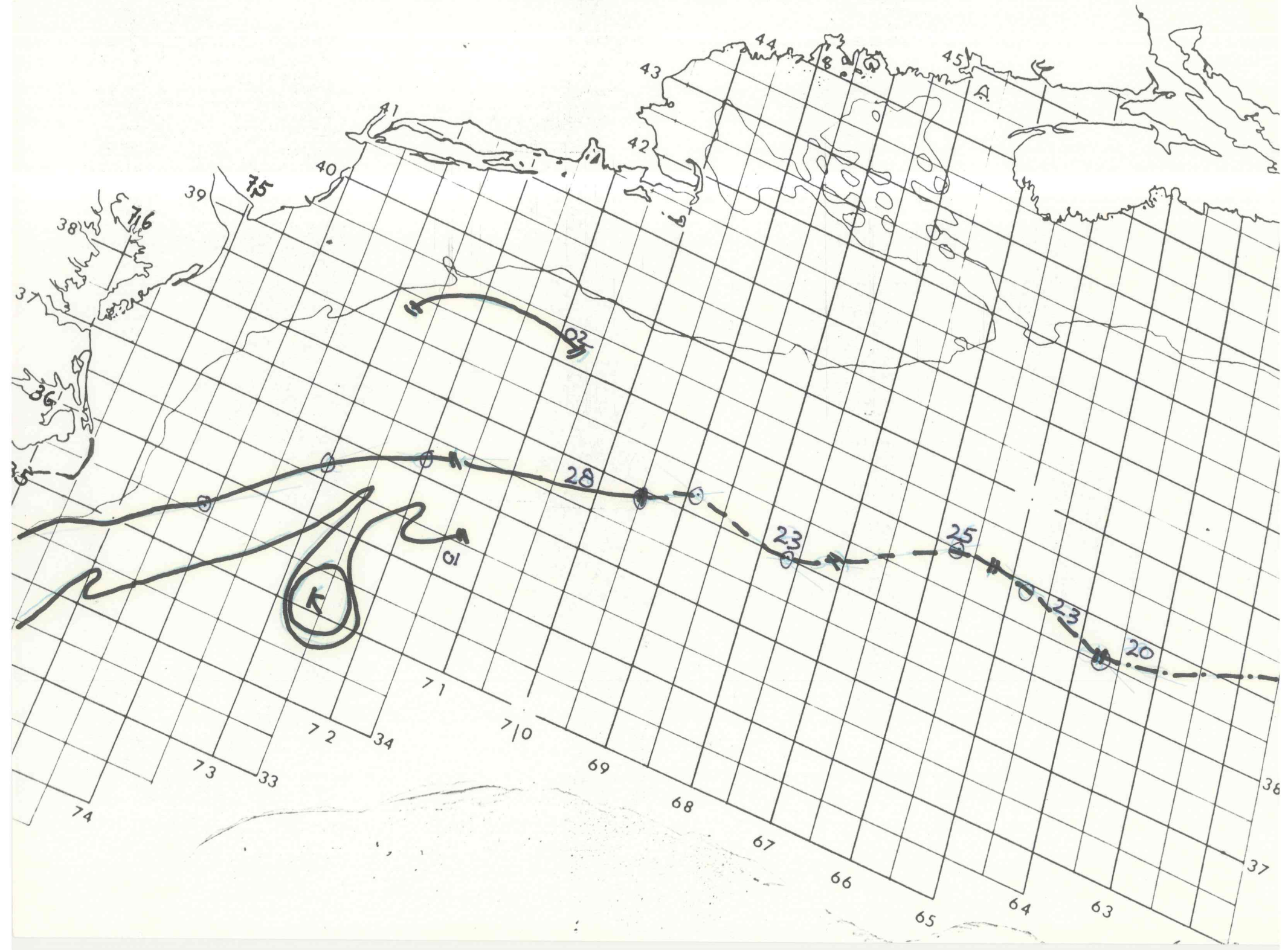


MIAMI SFSS ANALYSIS OF THE GULF STREAM: 02 MAR 1981 PART B



ZCZC WBC083
TBXX40 KNIA 021645

MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT
02 MARCH 1981.

MAR 2 11 50 AM '81

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

215864 220862 226862 232871 237873 241869 244869 243856
244850 251845 257841 256834 253833 246835 233825 241815
246807 249801 254799 260800.

LOOP CURRENT HAS CUT OFF A MAJOR DOUBLE EDDY NORTH OF 25N. ONE
EDDY IS CENTRED NEAR 27N 86W WITH A DIAMETER OF 180 NM...THE
SECOND IS CENTRED NEAR 25N 88.5W WITH A DIAMETER OF 100 NM.
PAST THREE DAYS HAVE SEEN A RAPID READJUSTMENT OF THE WESTERN
EDGE OF THE LOOP CURRENT SOUTH OF 24N.

POSITION BASED ON DATA FROM 01 AND 02 MAR 81.
MIAMI SFSS SELECTED GULFSTREAM DATA FOR NOAA WEATHER RADIO....
D83/68/M/24. E91/58/M/24. F75/80/M/24. G55/58/M/24.
H24/45/M/24. I33/53/M/24. J19/53/M/24. K12/44/M/24.
L01/56/M/25. M6/52/M/25. N4/48/M/25. O09/24/M/25. P13/45/M/25.
Q17/36/M/26. R30/38/M/26. S33/46/M/26. U32/69/M/26.

MEANDERS ON EDGE OF STREAM DUE EAST OF D AND E.. BETWEEN L AND
M...DUE EAST OF O...BETWEEN Q AND R...AND DUE SOUTH OF T.

BAIG

GULF STREAM SYSTEM FLOW CHART # 2450

217864 225864 233868 239872 246875
 246865 247855 247845 246840 245834
 240829 238820 240818 244810 249802
 254800 256800 260801//

NOAA Miami SFSS

Date: 04 MAR 1981

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.

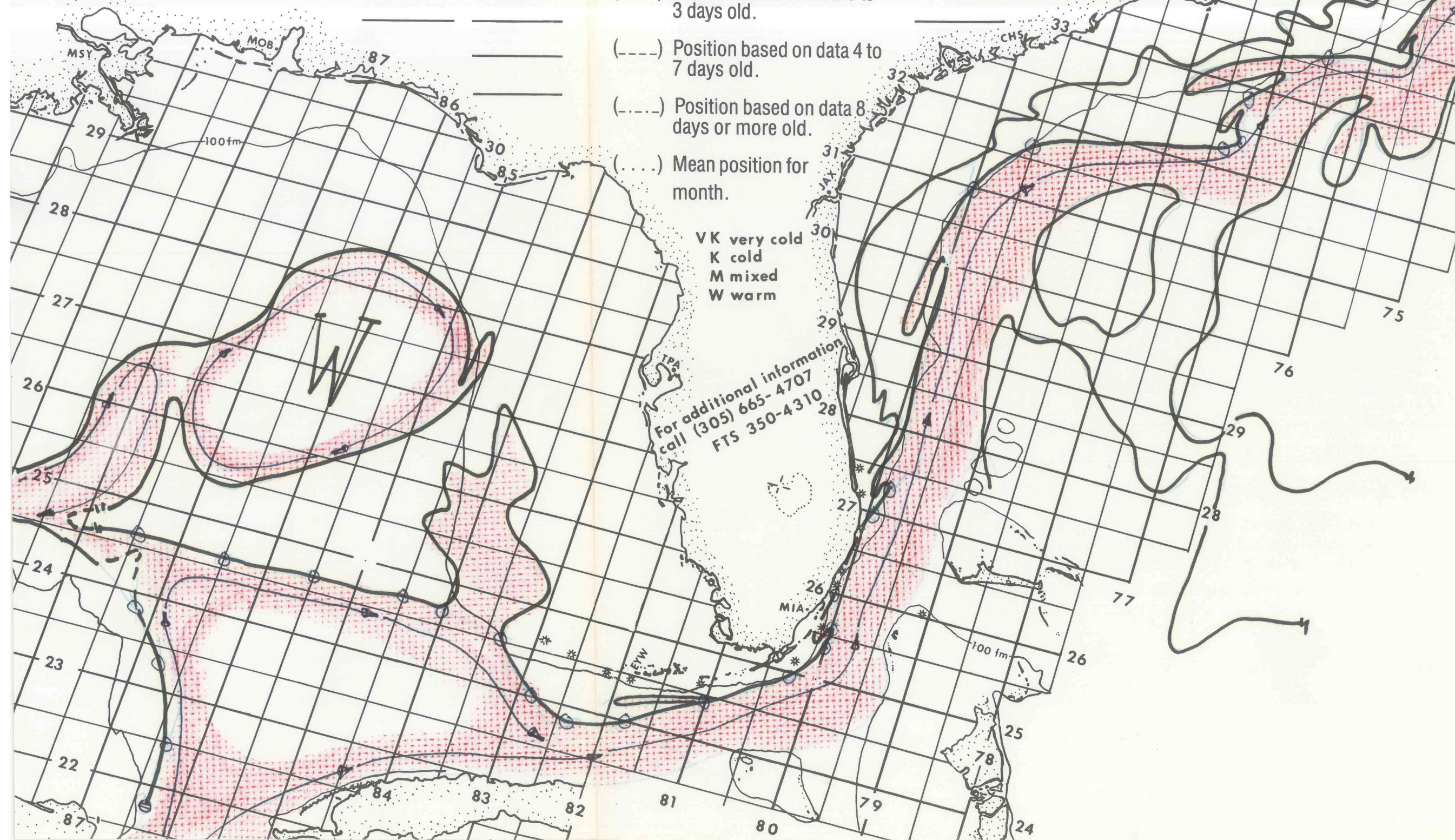
- (——) Position based on data 0 to 3 days old.
- (----) Position based on data 4 to 7 days old.
- (-----) Position based on data 8 days or more old.
- (....) Mean position for month.

GULF STREAM SYSTEM FLOW CHART # 2450

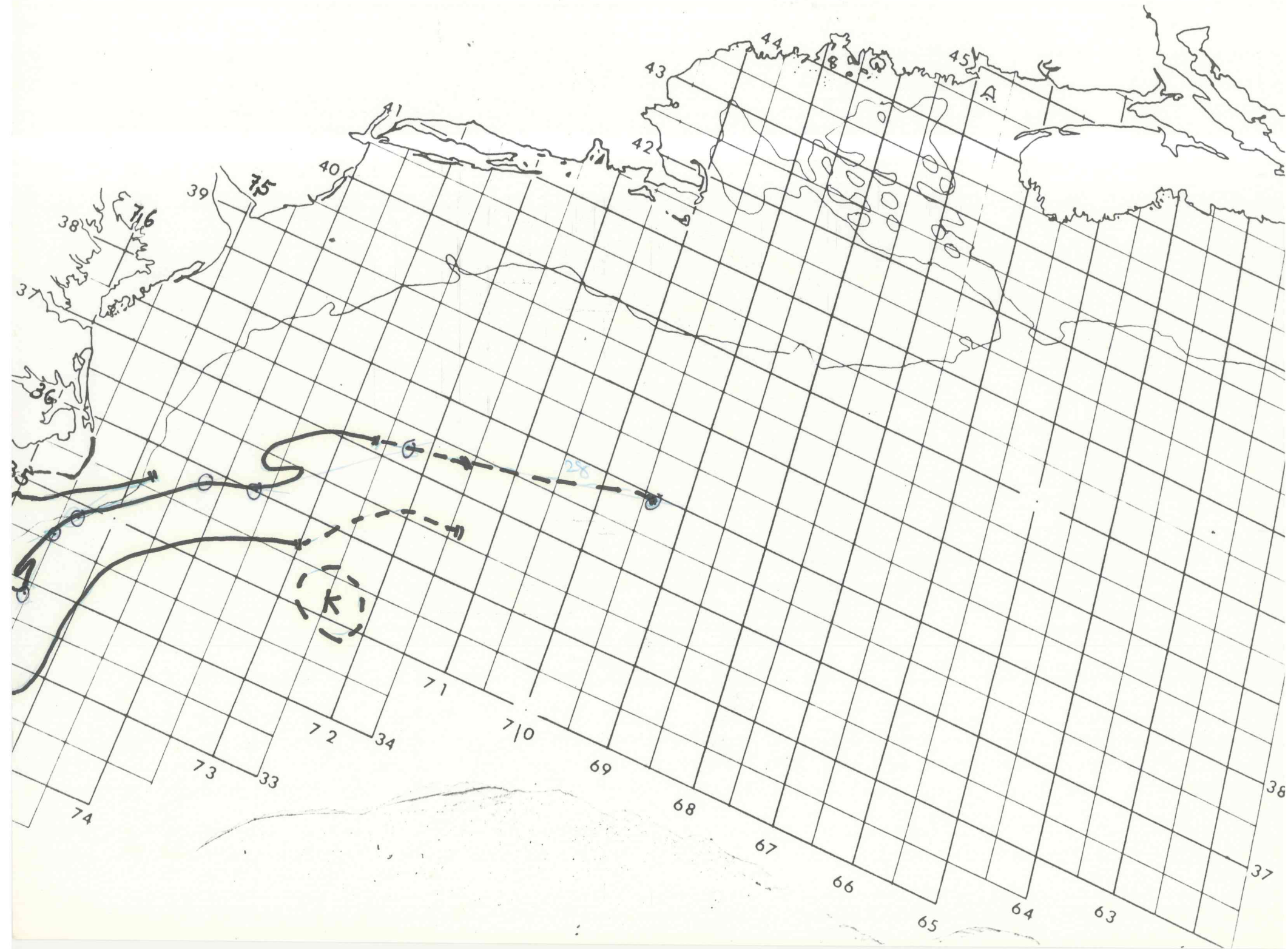
270800 273798 310800 310795 322774
 324772 329772 336765 339755 346755
 349753 359742 360737 372722 36
 380694//SRD

VK very cold
 K cold
 M mixed
 W warm

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



MIAMI SFSS ANALYSIS OF THE GULF STREAM: 04 MAR 1981 PART B



NNNN

ZCZC W3C657

TBXX40 KNIA 041700

MAR 4 12 21 PM '81

MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT
04 MARCH 1981.

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

217864 225864 233868 239872 246875 246865 247855 247845
246840 245834 240829 238820 240818 244810 249802 254800
256800 260801.

LOOP CURRENT HAS CUT OFF A MAJOR DOUBLE EDDY NORTH OF 25N. ONE
EDDY IS CENTRED NEAR 27N 86W WITH A DIAMETER OF 180 NM...THE
SECOND IS CENTRED NEAR 25N 88.5W WITH A DIAMETER OF 100 NM.

POSITION BASED ON DATA FROM 04 MAR 81.

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

D73/60/W/23. E71/63/W/23. F74/57/W/24. G55/47/W/24.

H27/54/W/24. I33/67/W/24. J13/53/W/24. K15/42/W/24.

L00/59/W/24. M0/53/W/24. N0/49/W/24. O09/35/W/24. P08/55/W/25.

Q13/47/W/25. R31/42/W/25. S37/43/W/25. U34/67/W/25.

LARGE MEANDER ON EDGE OF STREAM FROM E TO G. SMALL MEANDERS ALONG
EDGE OF STREAM BETWEEN J AND K...AND EAST OF O.LONG NARROW
MEANDER ALONG EDGE OF STREAM FROM Q TO R.

BAIG

GULF STREAM SYSTEM FLOW CHART # 2450

216860 221858 228859 235861 242860
247860 248850 249845 246836 244829
240825 238820 240816 244812 246806
249802 255800 262799 270798 //

NOAA Miami SFSS

Date: 06 MARCH 19 81

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 3 days old.
- (----) Position based on data 4 to 7 days old.
- (-----) Position based on data 8 days or more old.
- (.....) Mean position for month.

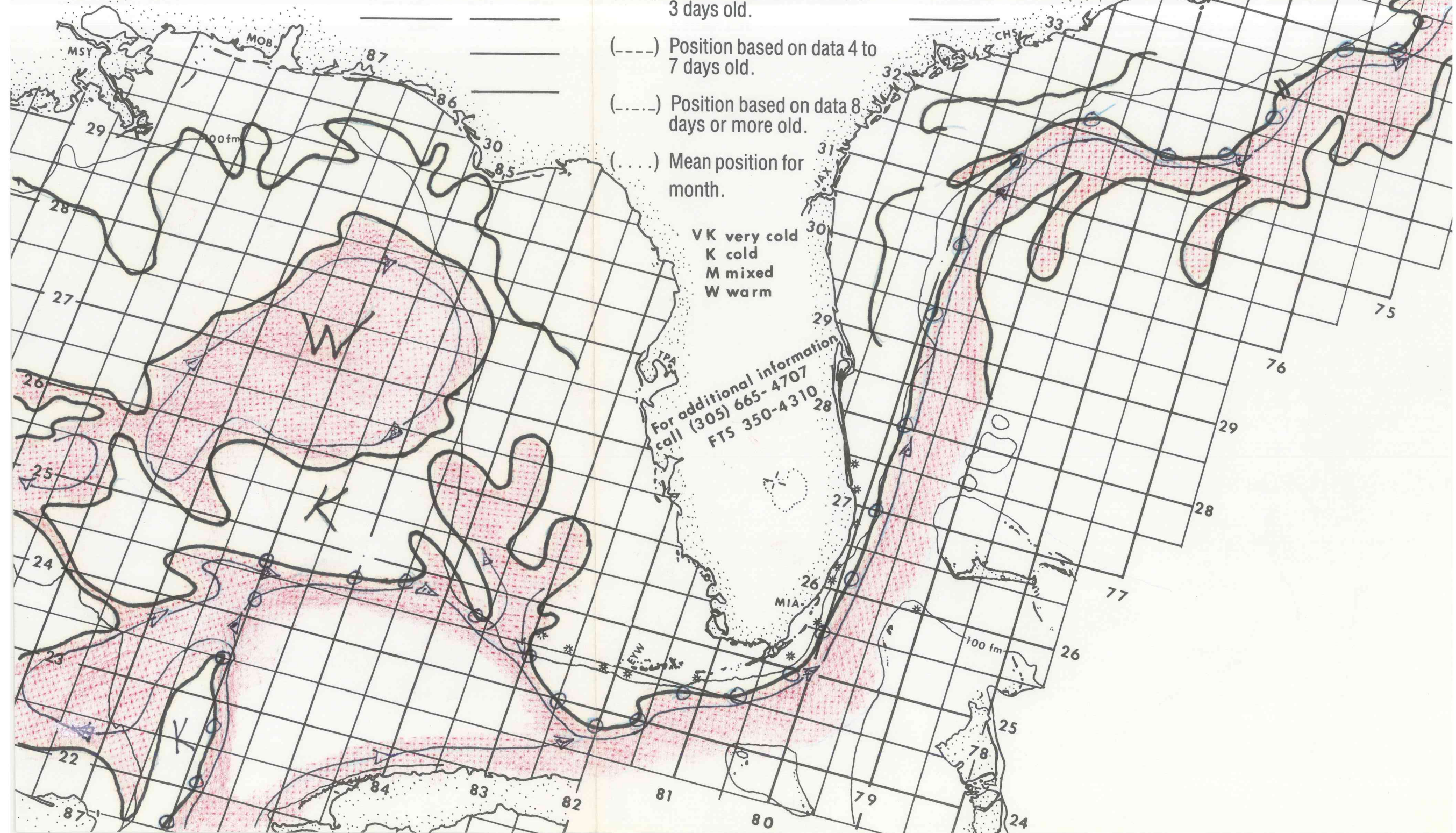
VK very cold
 K cold
 M mixed
 W warm

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

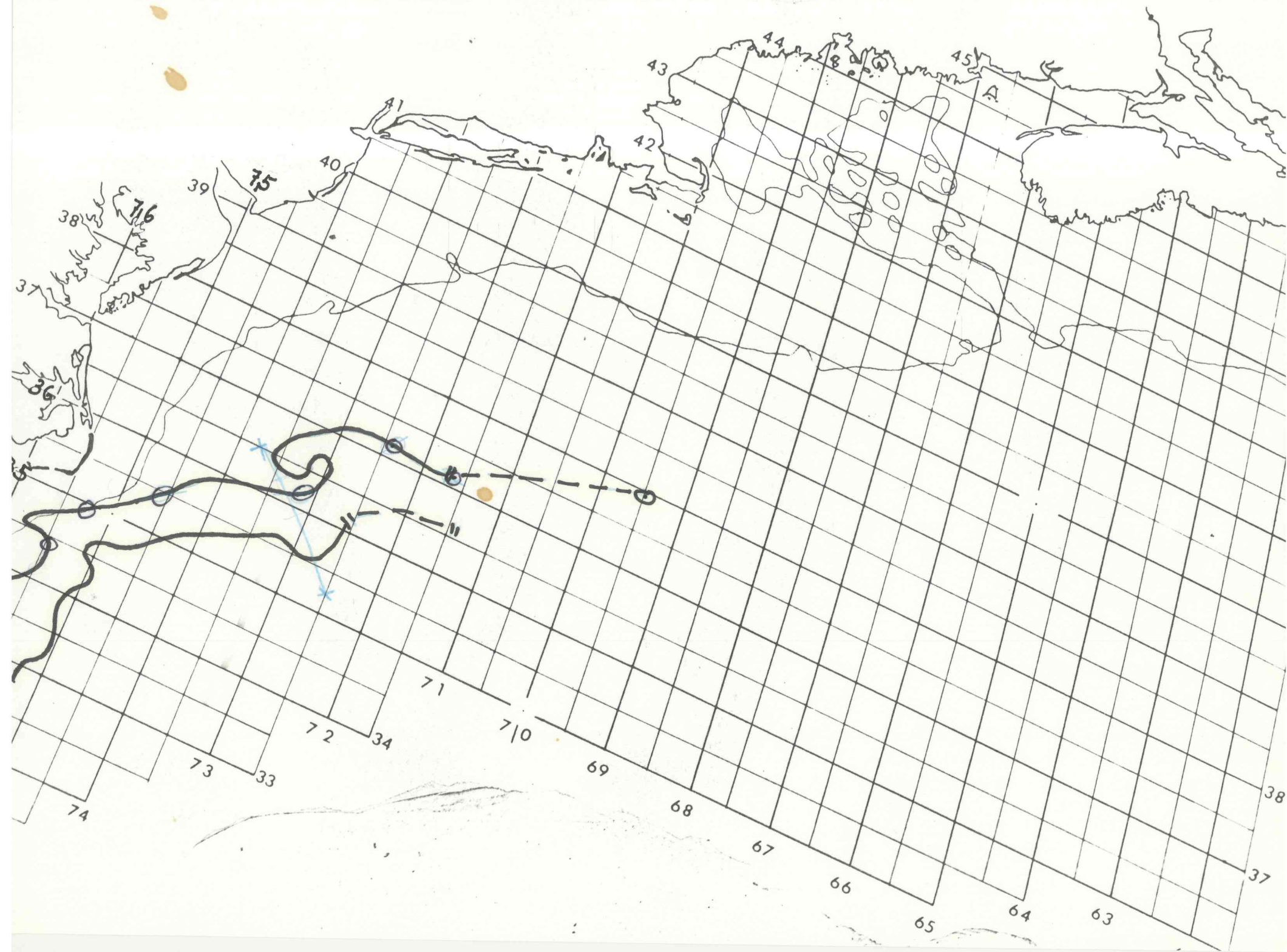
GULF STREAM SYSTEM FLOW CHART # 2450

270798 280798 294799 303798 314796
322788 320779 322772 327768 338763
340756 344755 349753 355746 362732
372724 371716 379700 //

SDW



MIAMI SFSS ANALYSIS OF THE GULF STREAM: 06 MARCH 1981 PART B



V

ZCZC

SXNT1 KWEC 062245

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

27.0/79.8 28.0/79.8 29.4/79.9 30.3/79.8

31.4/79.6 32.2/78.8 32.0/77.9 32.2/77.2

32.7/76.8 33.8/76.3 34.0/75.6 34.4/75.5

34.9/75.3 35.5/74.5 36.2/73.2 37.0/72.8

37.2/72.4 37.3/71.6 37.8/70.0 38.4/67.6

38.3/67.0 37.6/66.6 37.8/66.1 38.6/65.7

38.7/65.0

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

COLD EDDIES@ 35.3/72.5/45 NMI DIAM@ 33.5/74.4/45 NMI DIAM@ 30.3/78.4/
50 NMI DIAM.

WARM EDDIES@ 38.8/71.4/60 NMI DIAM@ 39.0/69.2/60 NMI DIAM.
LATEST SATELLITE DATA 3/6/81 AT 1200Z

NNNN↓VAKVANV

MAR 6 1 17 PM '81

NNNN

ZCZC WBC330
TBXX40 KNIA 061700

MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT
06 MARCH 1981.

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

216860 221858 228859 235861 242860 247860 248850 249845
246836 244829 240825 238820 240816 244812 246806 249802
255800 260799.

LOOP CURRENT HAS CUT OFF A MAJOR DOUBLE EDDY NORTH OF 25N. ONE
EDDY IS CENTRED NEAR 27N 86W WITH A DIAMETER OF 180 NM...THE
SECOND IS CENTRED NEAR 25N 88.5W WITH A DIAMETER OF ABOUT 100 NM.

POSITION BASED ON DATA FROM 06 MAR 81.

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

B88/27/W/23. E88/20/W/23. F82/20/W/24. G61/56/W/24.
H32/49/W/24. I38/47/W/24. J22/46/W/24. K17/40/W/24.
L11/42/W/24. M12/40/W/24. N11/40/W/24. O07/43/W/24. P10/50/W/25.
Q11/46/W/25. R44/35/W/25. S42/36/W/25. U23/80/W/25.

MEANDER ON EDGE OF STREAM FROM R TO S.

WILDER/BAIG

GULF STREAM SYSTEM FLOW CHART # 2450

215863 224859 230860 235862 245870
 247861 248848 249845 245837 244830
 239821 239818 246809 247804 249802
 252801 258800 260801 // _____

NOAA Miami SFSS

Date: 09 MAR 1981

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.

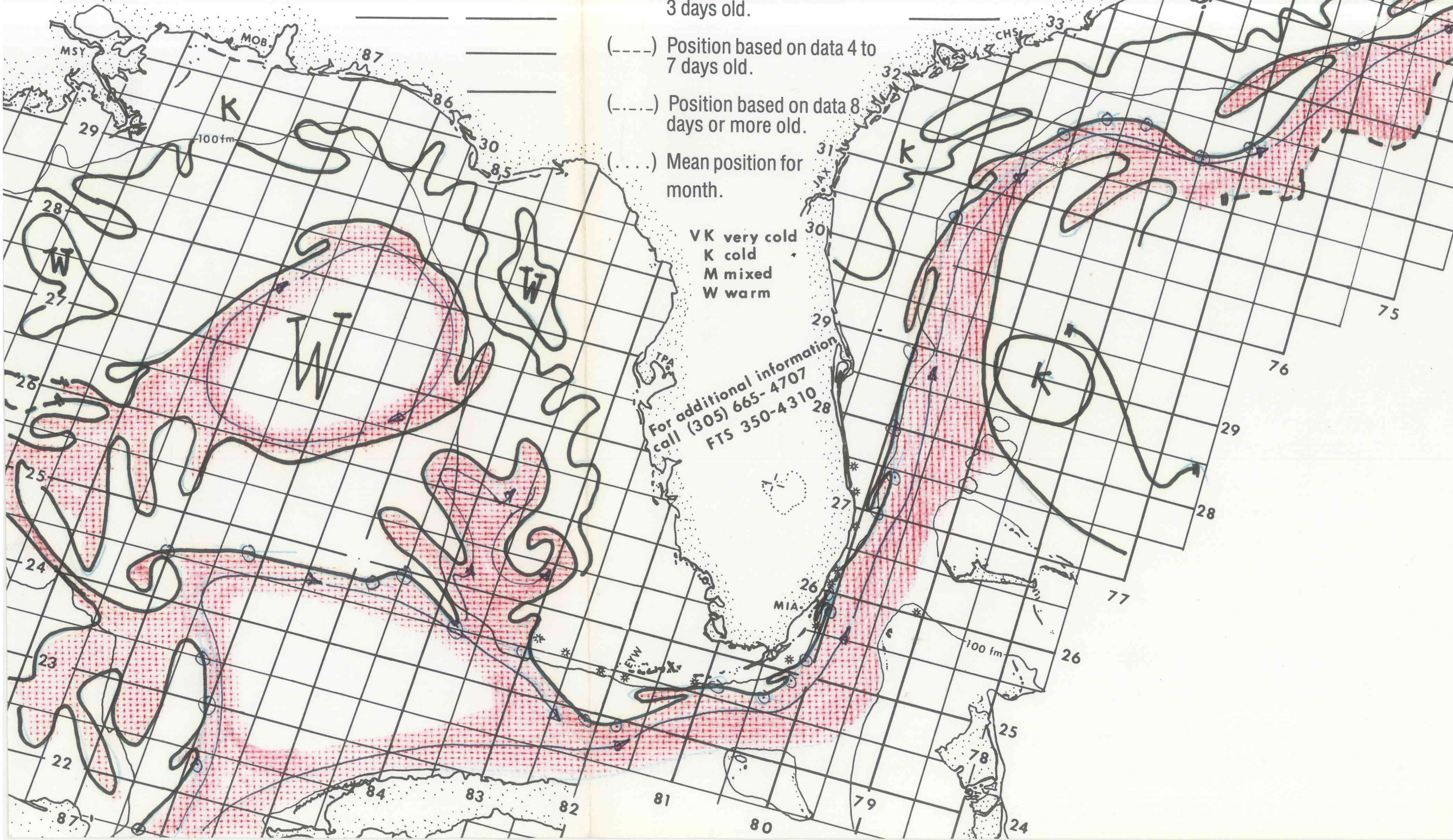
- (____) Position based on data 0 to 3 days old.
- (----) Position based on data 4 to 7 days old.
- (-----) Position based on data 8 days or more old.
- (.....) Mean position for month.

VK very cold
 K cold
 M mixed
 W warm

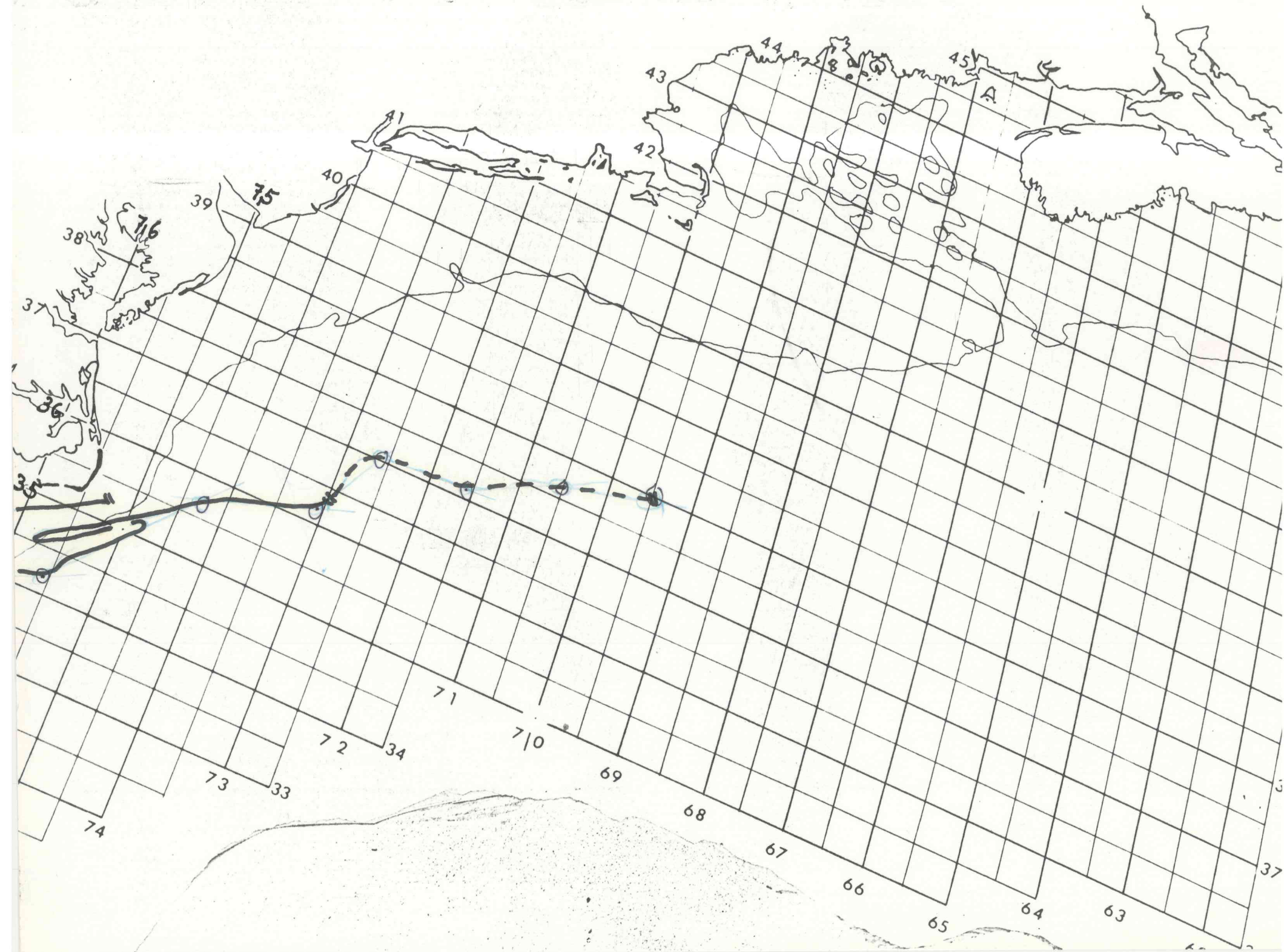
For additional information
 call (305) 665-4707
 FTS 350-4310

GULF STREAM SYSTEM FLOW CHART # 2450

270798 274798 280799 289800 306800
 319791 322787 323782 321775 323770
 339762 347756 357743 362731 362731
 370726 371716 376705 380695 // _____



MIAMI SFSS ANALYSIS OF THE GULF STREAM: 09 MAR 1981 PART B





Handwritten note: 27.0/79.8 - 38.6/65.0

Stamp: MAR 9 6 01 PM '81

NNNN

↓A
ZCZC WBC368
SXNT1 KWBC 092140

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

27.0/79.8 27.4/79.8 28.0/79.9 28.9/80.0
30.6/80.0 31.9/79.1 32.2/78.2 32.1/77.5
32.3/77.0 33.9/76.2 34.7/75.6 35.6/74.3
36.2/73.1 37.0/72.6 37.1/71.6 37.6/70.5
38.0/69.5 38.3/67.0 37.6/66.4 37.6/66.1
38.6/65.4 38.6/65.0

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

COLD EDDIES 35.7/7.9/55NMI DIAM 35.2/61.6/50NMI DIAM

WARM EDDIES 24.8/88.4/100NMI DIAM 27.2/86.1/170NMI DIAM
38.8/71.7/85NMI DIAM 39.0/69.4/70NMI DIAM
41.6/49.5/65NMI DIAM

LATEST SATELLITE DATA 3/9/81 1200Z

GULF STREAM SYSTEM FLOW CHART # 2450

215863 220861 227861 235863 245865
 249856 253850 256846 253841 249835
 244830 240825 239821 240817 245809
 248804 251802 260800// _____

NOAA Miami SFSS

Date: 11 MAR 1981

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.

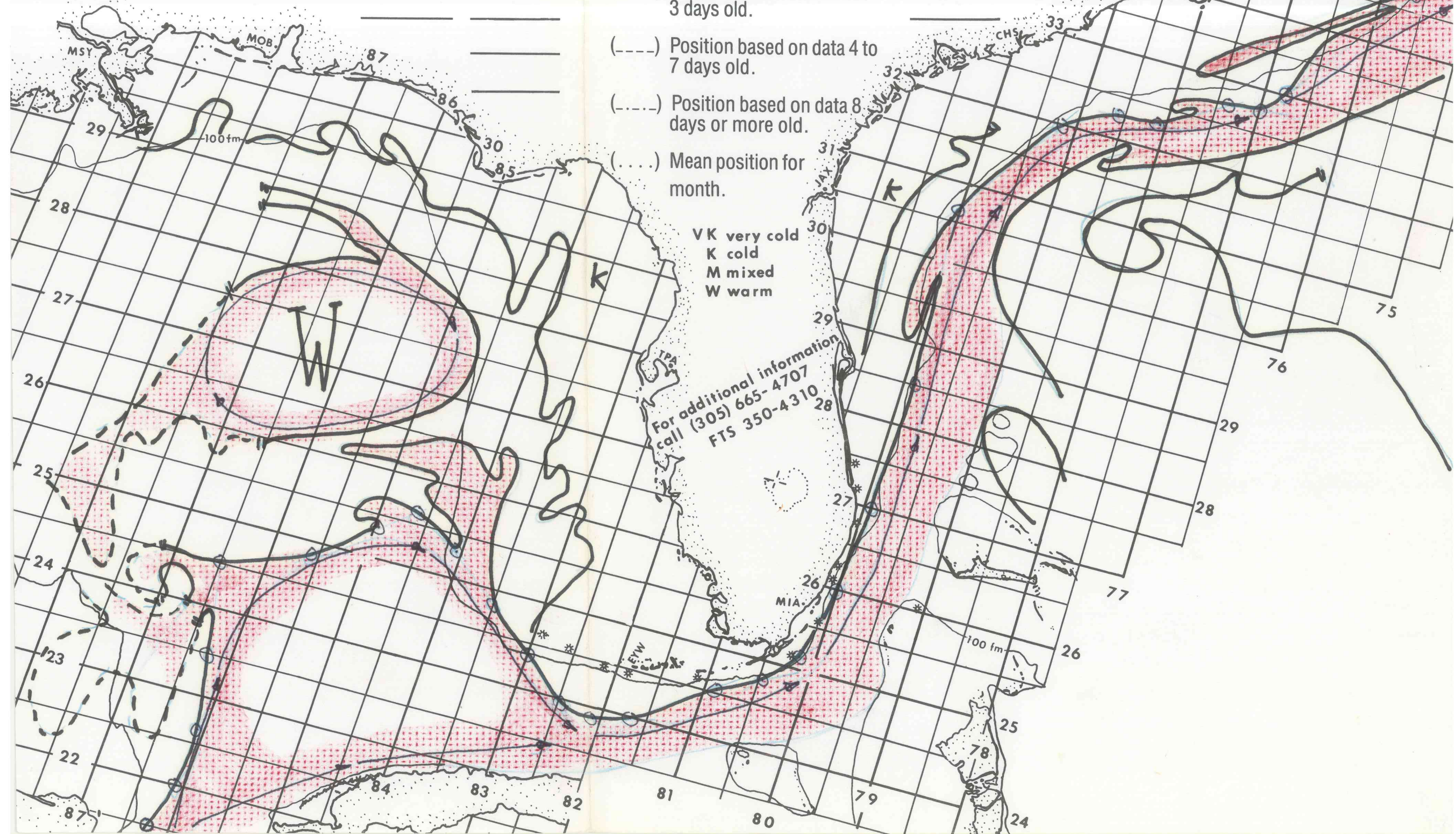
- (____) Position based on data 0 to 3 days old.
- (----) Position based on data 4 to 7 days old.
- (-----) Position based on data 8 days or more old.
- (.....) Mean position for month.

VK very cold
 K cold
 M mixed
 W warm

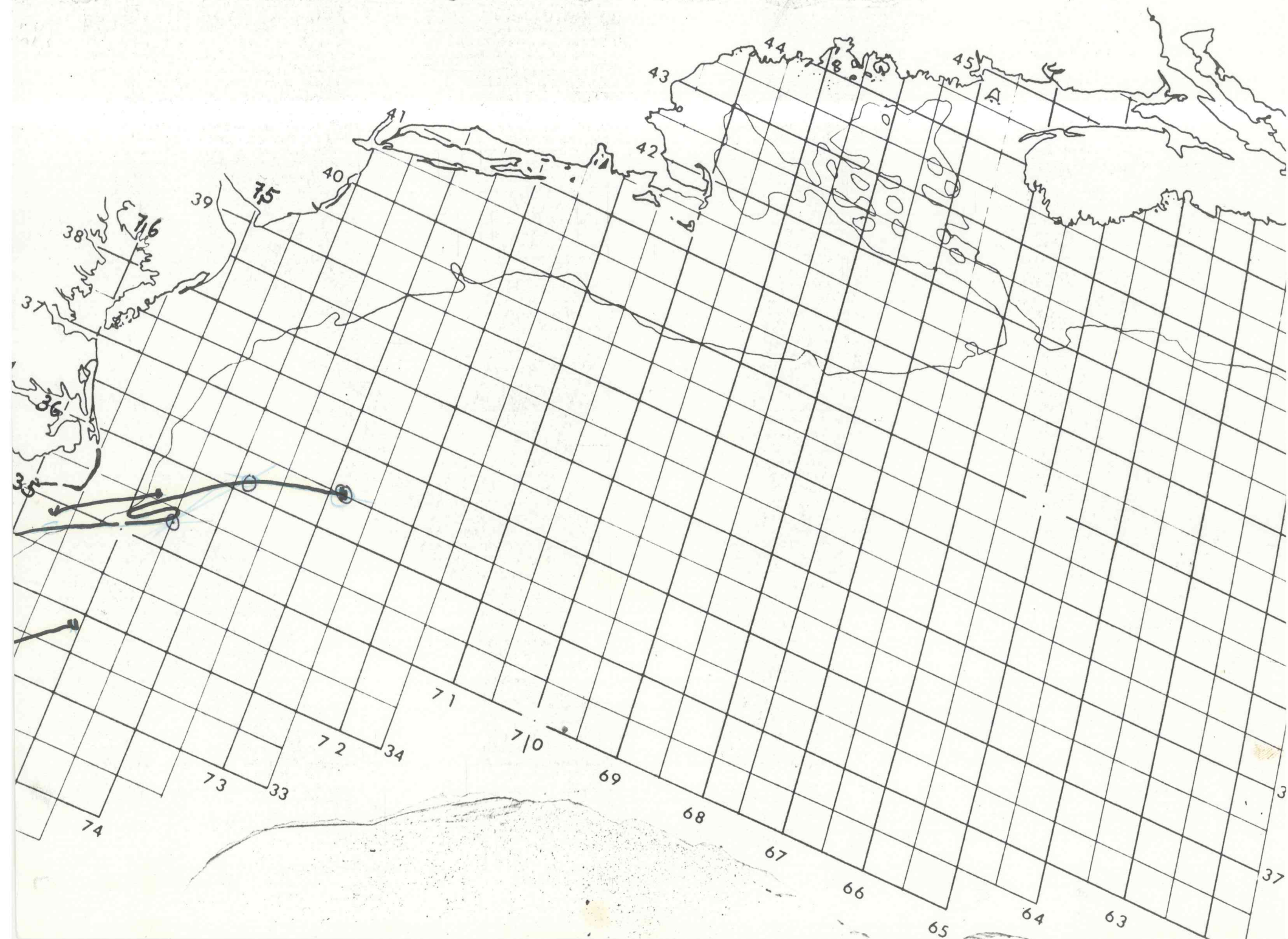
For additional information
 call (305) 665-4707
 FTS 350-4310

GULF STREAM SYSTEM FLOW CHART # 2450

270799 285799 306800 320792 323786
 323781 327774 328770 330767 347756
 354745 361739 365729// SLP 36



MIAMI SFSS ANALYSIS OF THE GULF STREAM: 11 MAR 1981. PART B



NNNN ↓

V

ZCZC

SXNT 1 KWBC 112030

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

27.0/79.9	28.5/79.9	30.6/80.0	32.0/79.2
32.3/78.6	32.3/78.1	32.5/72.2	32.8/77.0
34.4/75.6	35.3/74.5	36.4/72.7	37.0/72.2
38.0/68.0	38.2/65.6	37.9/65.0	

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

COLD EDDIES 30.6/78.2/55 NMI. DIAM. 35.7/71.8/60 NMI. DIAM.
WARM EDDIES 27.2/86.2/160 NMI. DIAM. 38.6/71.9/70 NMI. DIAM.
38.9/69.9/70 NMI. DIAM.

LATEST SATELLITE DATA 3/11/81 1200Z

NNNN

ZCZC WBC808
TBXX40 KNIA 111700

MAR 11 12 08 PM '81

MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT
11 MARCH 1981.

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

215863 220861 227861 235863 245865 249856 253850 256846
253841 249835 244830 240825 239821 240817 245809 248804
251802 260800.

LOOP CURRENT HAS CUT OFF A MAJOR DOUBLE EDDY NORTH OF 25N. ONE
EDDY IS CENTRED NEAR 27N 86W WITH A DIAMETER OF 180 NM...THE
SECOND IS CENTRED NEAR 25N 88.5W WITH A DIAMETER OF ABOUT 100 NM.

POSITION BASED ON DATA FROM 09 THRU 11MAR 81.

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

B80/33/N/23. E74/38/N/23. F59/51/N/24. G59/55/N/24.
H31/53/N/24. I34/50/N/24. J35/46/N/24. K13/42/N/24.
L06/50/N/24. M05/45/N/24. N05/44/3/24. O01/43/N/24. P05/57/N/25.
Q14/42/N/25. R33/43/N/25. S36/44/N/25. U20/83/N/25.

LARGE MEANDER ALONG EDGE OF GULFSTREAM BETWEEN F AND G.

WILDER/BAIG

GULF STREAM SYSTEM FLOW CHART # 2450

NOAA Miami SFSS

GULF STREAM SYSTEM FLOW CHART # 2450

Date: 13 MAR 1981

215863 225860 235863 246864 248860
254849 254844 250837 247830 242830
239825 239818 240815 246811 249802
252801 260800 // _____

270800 285799 305801 318792 330765
335765 3 8754 351748 362737 365725
 -break- 384674 385656 379642 36
380625 // SMP _____

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 3 days old.

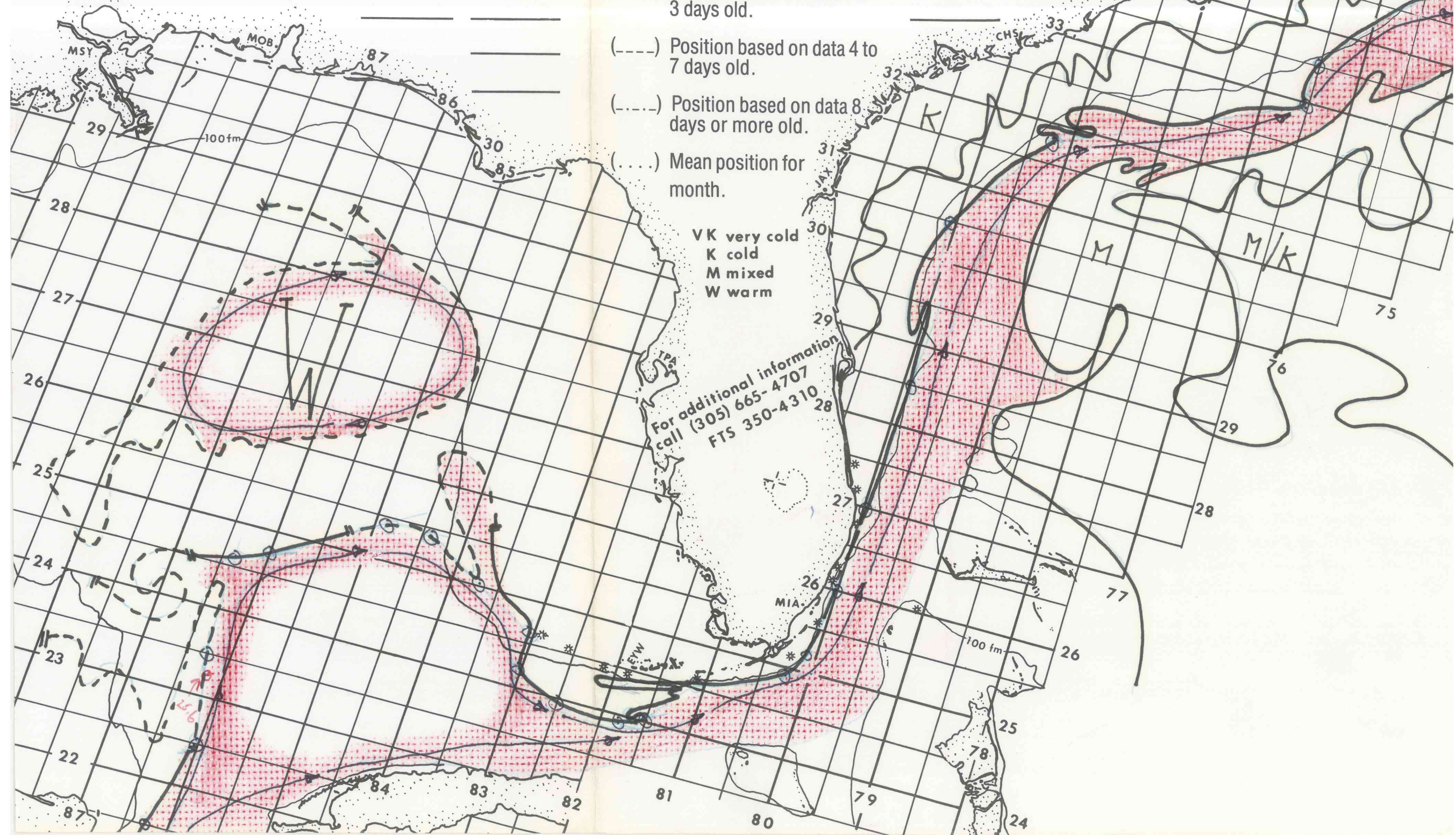
(- - - -) Position based on data 4 to 7 days old.

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

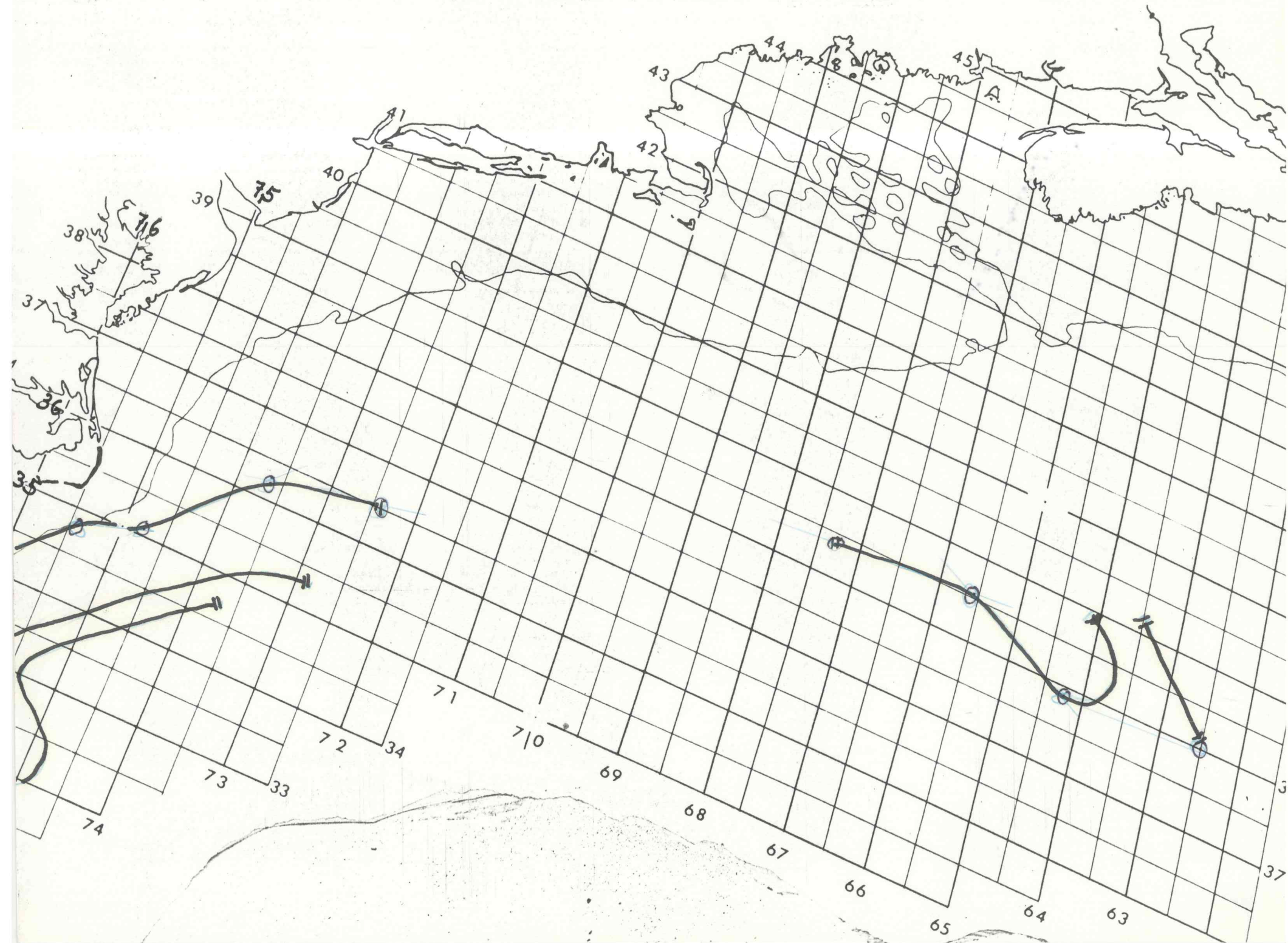
(. . . .) Mean position for month.

VK very cold
 K cold
 M mixed
 W warm

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



MIAMI SFSS ANALYSIS OF THE GULF STREAM: 13 MAR 1981 PART B



NNNN ↓

VANV

ZCZC

SXNT 1 KWBC 132030

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

27.0/80.0 28.5/79.9 30.5/80.1 31.8/79.2
33.0/76.5 33.5/76.5 33.8/75.4 35.3/74.8
36.2/73.7 36.5/72.5 ..BREAK.. 38.2/67.4
38.2/65.6 37.9/64.2 38.0/62.5

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

COLD EDDIESO 35.7/71.7/62 NMI

WARM EDDIESO 38.6/72.0/70 NMI 39.0/69.8/75 NMI 40.3/62.0/125 NMI

LATEST SATELLITE DATAO 3/13/81 1800Z

NNNN ↓

MAR 13 12 55 PM '81

NNNN

ZCZC WBC436
TBXX40 KMIA 131745

MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT
13 MARCH 1981.

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

215863 225860 235863 246864 248860 254849 254844 250837
247830 242830 239825 239818 240815 246811 249802 252801
260800.

LOOP CURRENT HAS CUT OFF A MAJOR DOUBLE EDDY NORTH OF 25N. ONE
EDDY IS CENTRED NEAR 27N 86W WITH A DIAMETER OF 180 NM...THE
SECOND IS CENTRED NEAR 25N 88.5W WITH A DIAMETER OF ABOUT 100 NM.

POSITION BASED ON DATA FROM 09 THRU 13 MAR 81.

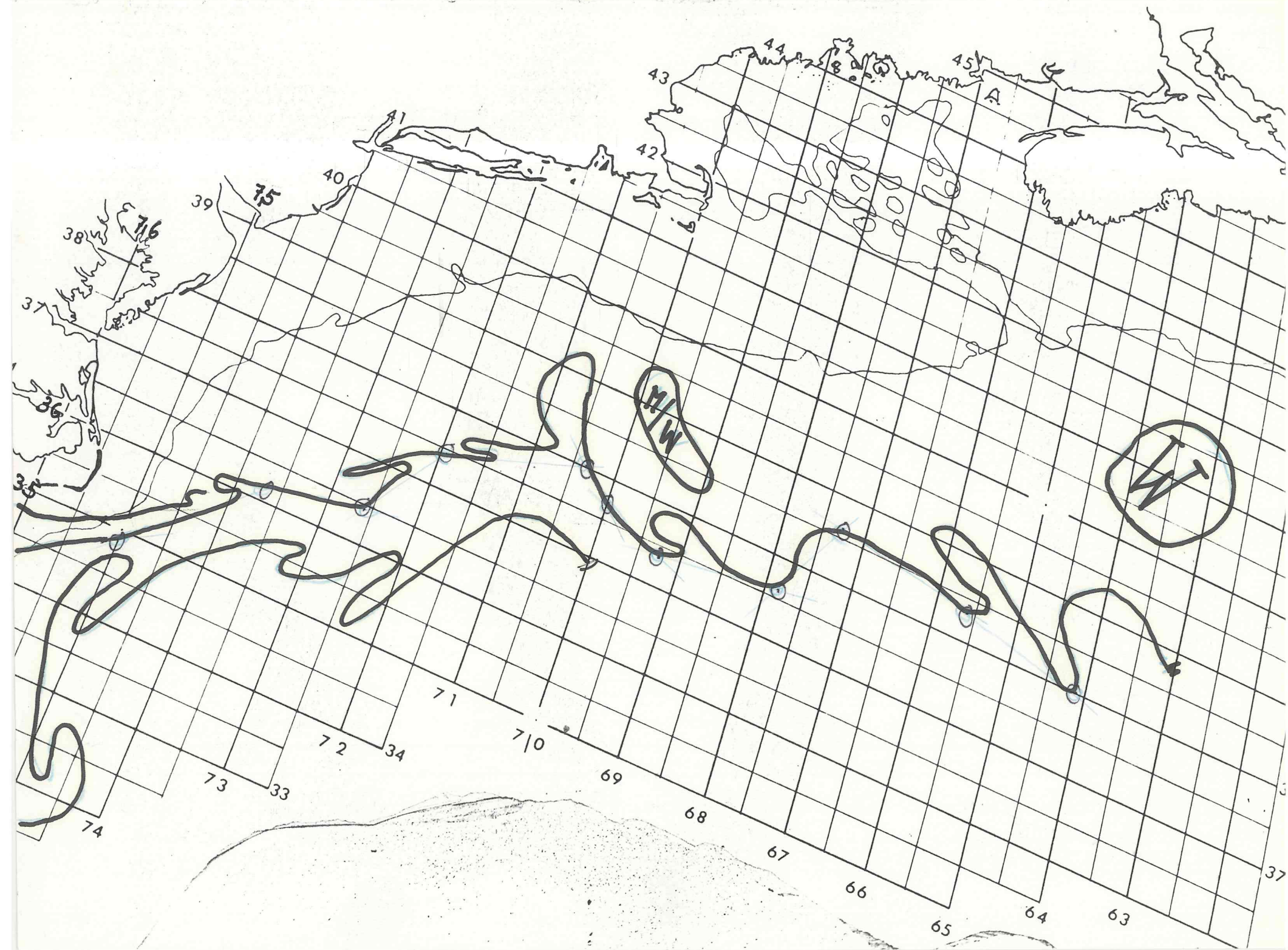
MIAMI SFSS SELECTED GULFSTREAM DATA FOR NOAA WEATHER RADIO....

D84/53/N/23. E75/59/N/23. F58/72/N/24. G58/90/N/24.
H28/64/N/24. I20/72/N/24. J19/50/N/24. K12/45/N/24.
L02/53/N/24. M04/47/N/24. N03/48/3/24. O03/41/N/24. P08/49/N/25.
Q03/54/N/25. R34/38/N/25. S36/44/N/25. U31/71/N/25.

MEANDER ALONG SHOREWARD EDGE OF GULFSTREAM BETWEEN F AND G. LARGE
MEANDER ALONG SHOREWARD EDGE OF GULFSTREAM FROM Q TO S HAS
TRAPPED GULFSTREAM WATER ALONG THE 100 FATHOM CURVE.

WILDER/BAIG

MIAMI SFSS ANALYSIS OF THE GULF STREAM: 16 MAR 1981 PART B



GULF STREAM SYSTEM FLOW CHART # 2450

NOAA Miami SFSS

GULF STREAM SYSTEM FLOW CHART # 2450

Date: 18 MAR 1981

220863 231863 238865 241865 250859
255853 255849 258845 257837 251839
246838 244834 240826 239814 240810
247808 249804 256801 260801 // _____

270799 278799 307801 315797 322789
326771 330764 345752 359738 361733
364717 371715 376709 377702 361733
374692 374677 384672 385660
383650 // SLD _____

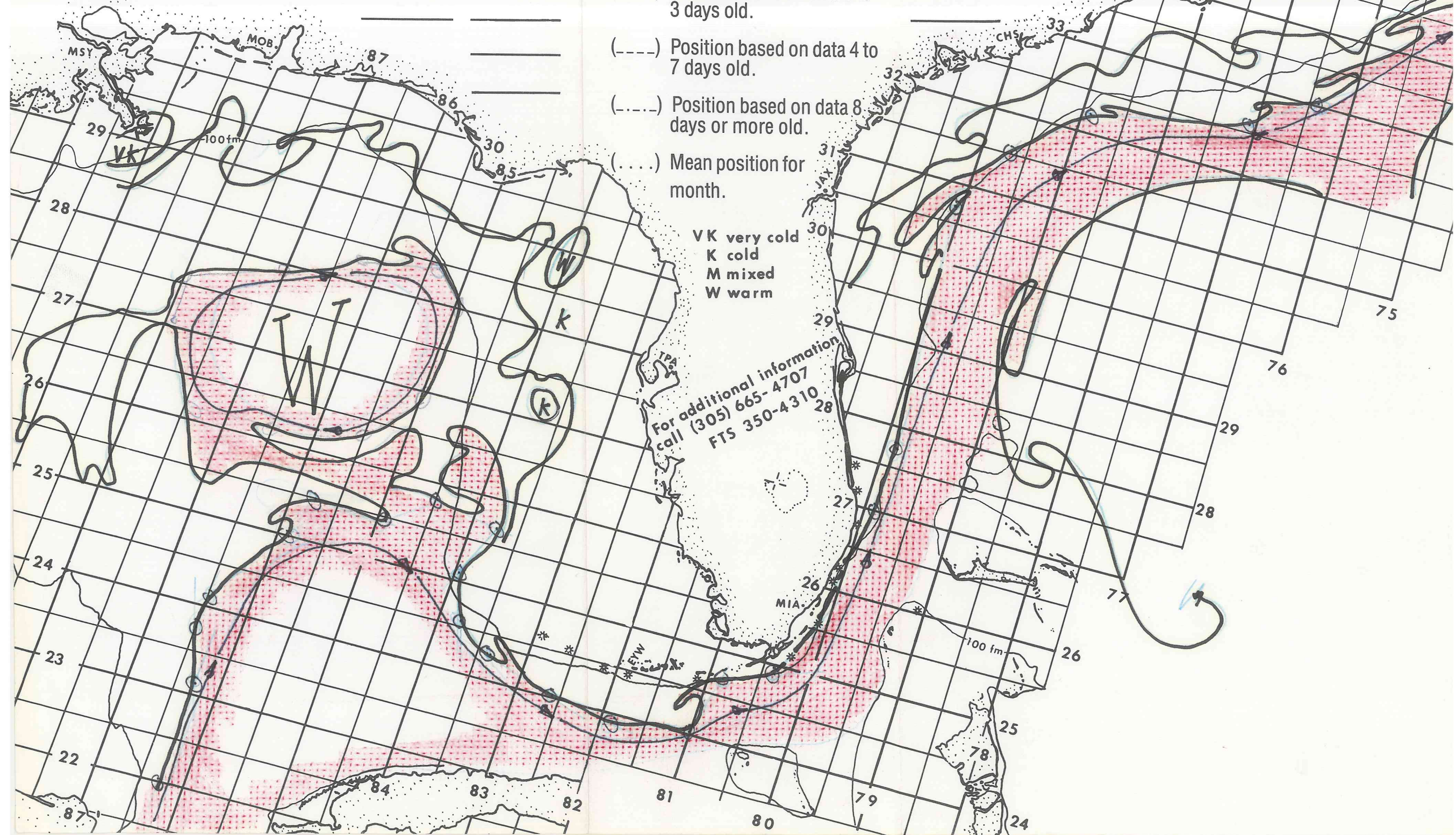
Depicted land should not be used for navigation.

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.

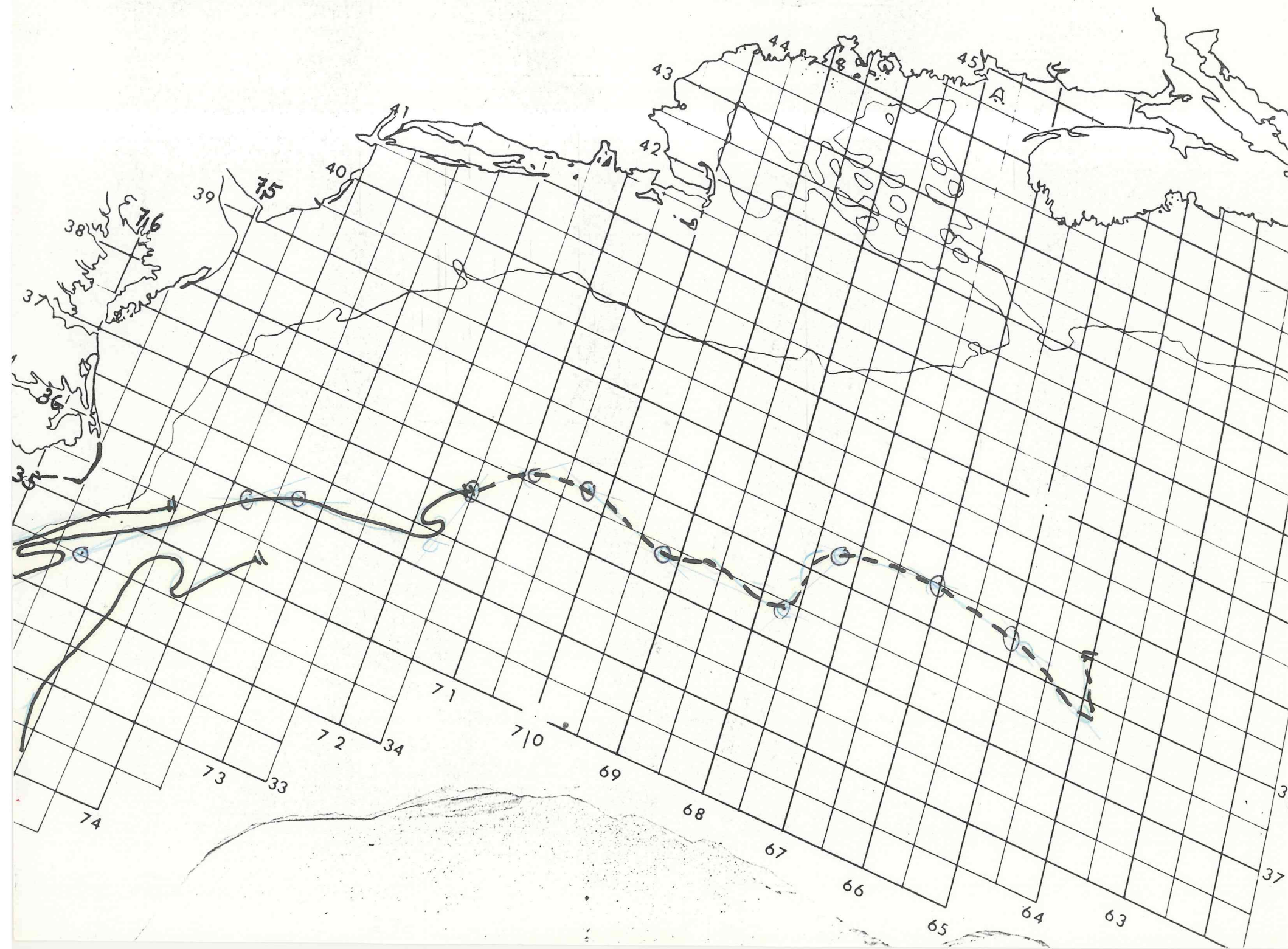
- (____) Position based on data 0 to 3 days old.
- (----) Position based on data 4 to 7 days old.
- (.....) Position based on data 8 days or more old.
- (....) Mean position for month.

VK very cold
 K cold
 M mixed
 W warm

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



MIAMI SFSS ANALYSIS OF THE GULF STREAM: 18 MAR 1981 PART B



GULF STREAM SYSTEM FLOW CHART # 2450

216862 226857 233858 244865 250859
 255855 253843 245837 244834 242824
 240817 241810 248806 251803 254802
 260801// _____

NOAA Miami SFSS

Date: 20 MAR 1981

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.

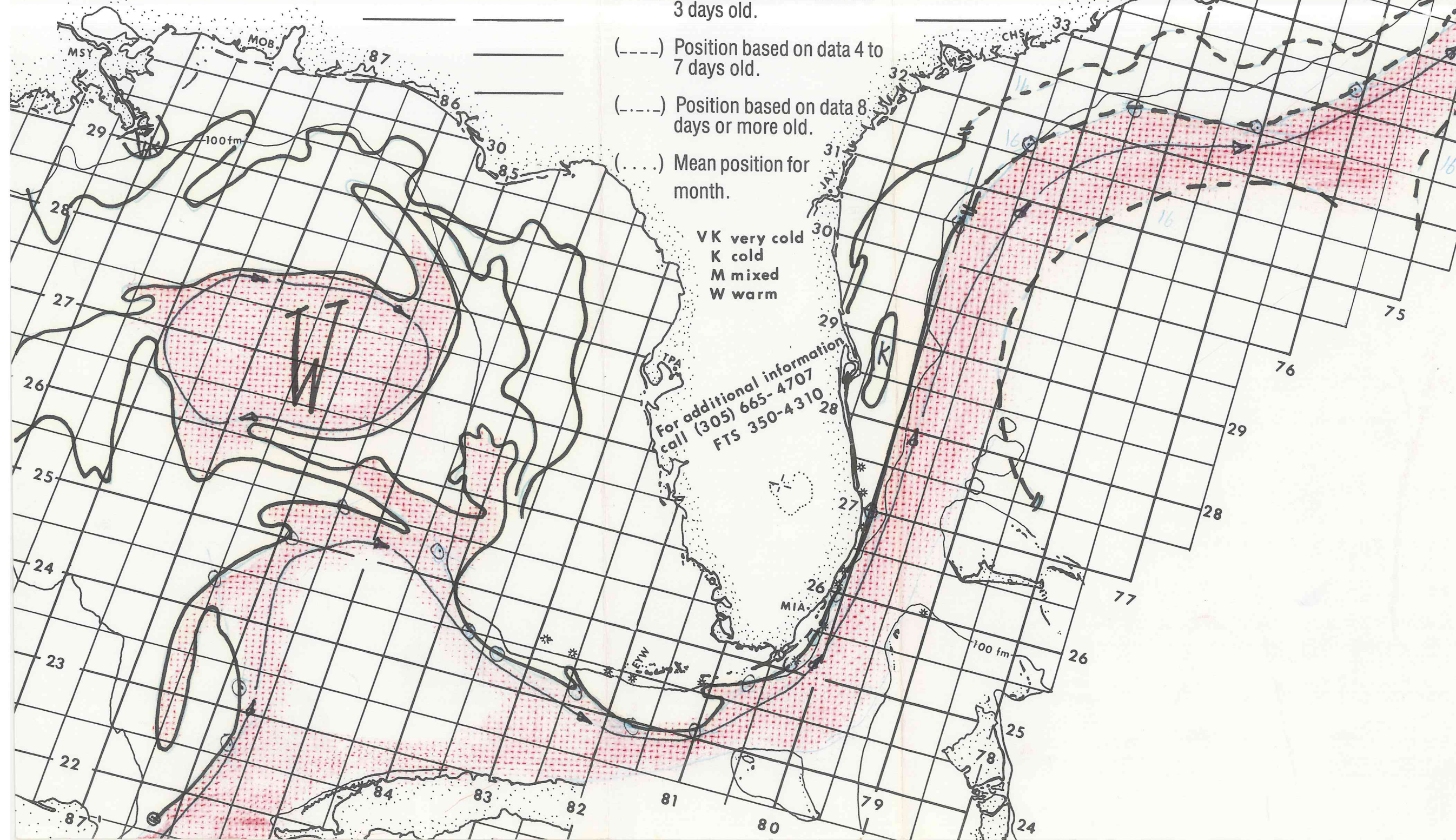
- (____) Position based on data 0 to 3 days old.
- (----) Position based on data 4 to 7 days old.
- (-----) Position based on data 8 days or more old.
- (.....) Mean position for month.

VK very cold
 K cold
 M mixed
 W warm

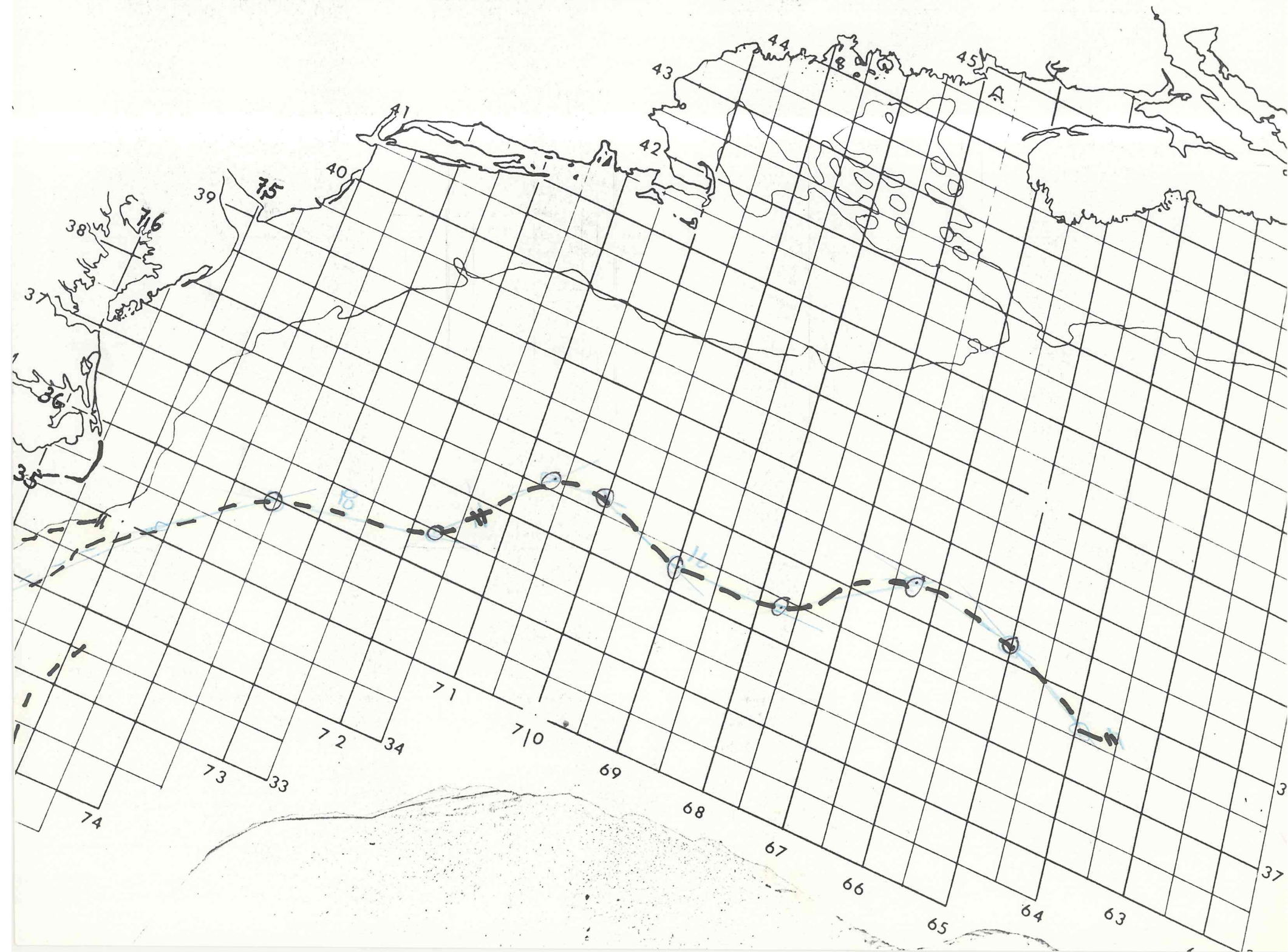
For additional information
 call (305) 665-4707
 FTS 350-4310

GULF STREAM SYSTEM FLOW CHART # 2450

270800 305800 316796 324785 326771
 333761 360735 365717 376706 377700
 373690 374677 384663 382650/800 36



MIAMI SFSS ANALYSIS OF THE GULF STREAM: 20 MAR 1981 PART B



216862 220858 226855 234855 237860
243862 248859 254855 255847 255839
252837 247837 244834 241831 240824
242817 238808 245804 248804 256798
262799 270798 _____

Date: 23 MARCH 1981

Depicted land should not be used for navigation.

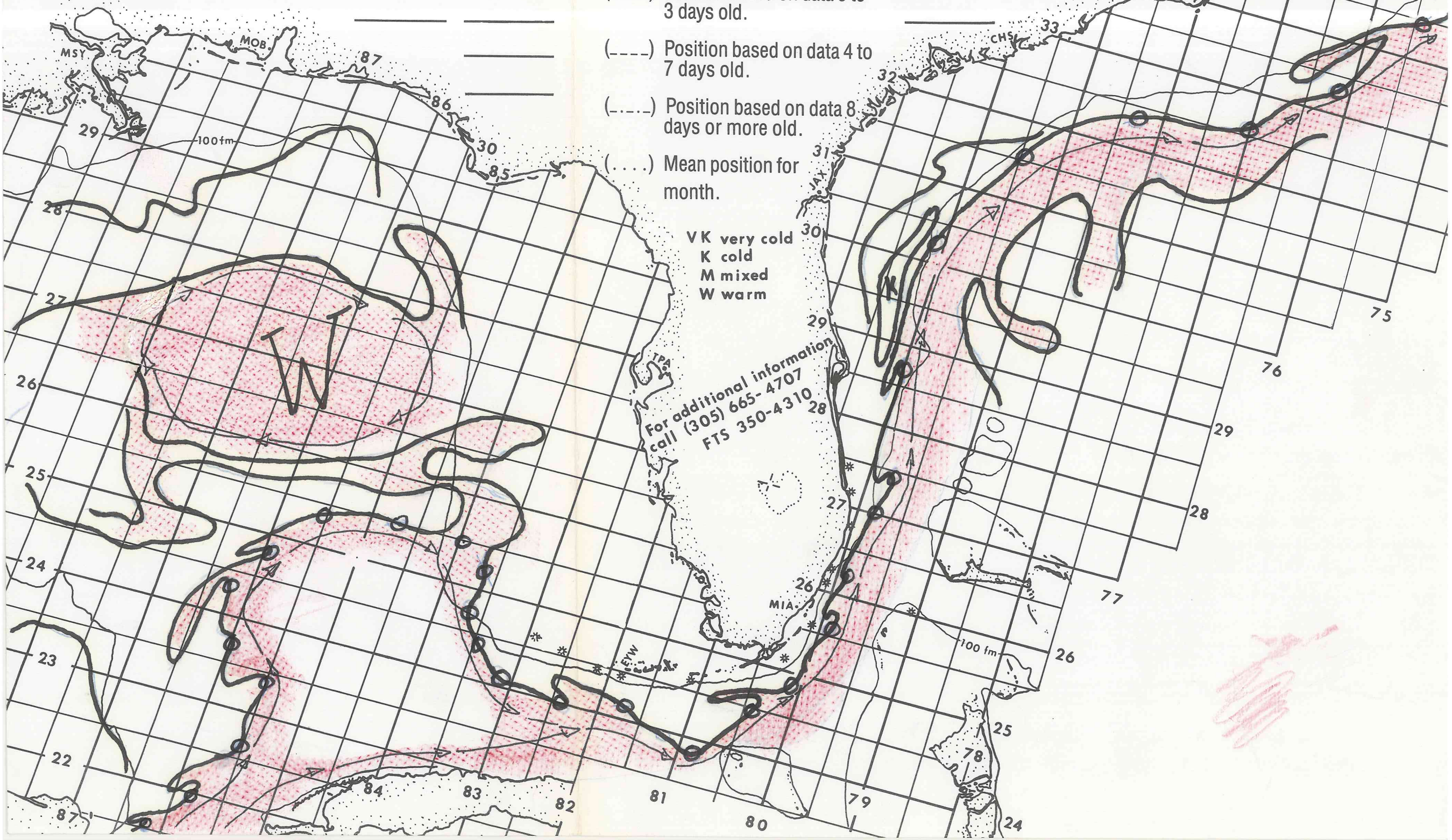
Position lines are for the edges of warmer water. The thin streamline is an estimated location for the maximum current. Measured current speeds may be shown.

- (____) Position based on data 0 to 3 days old.
- (----) Position based on data 4 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

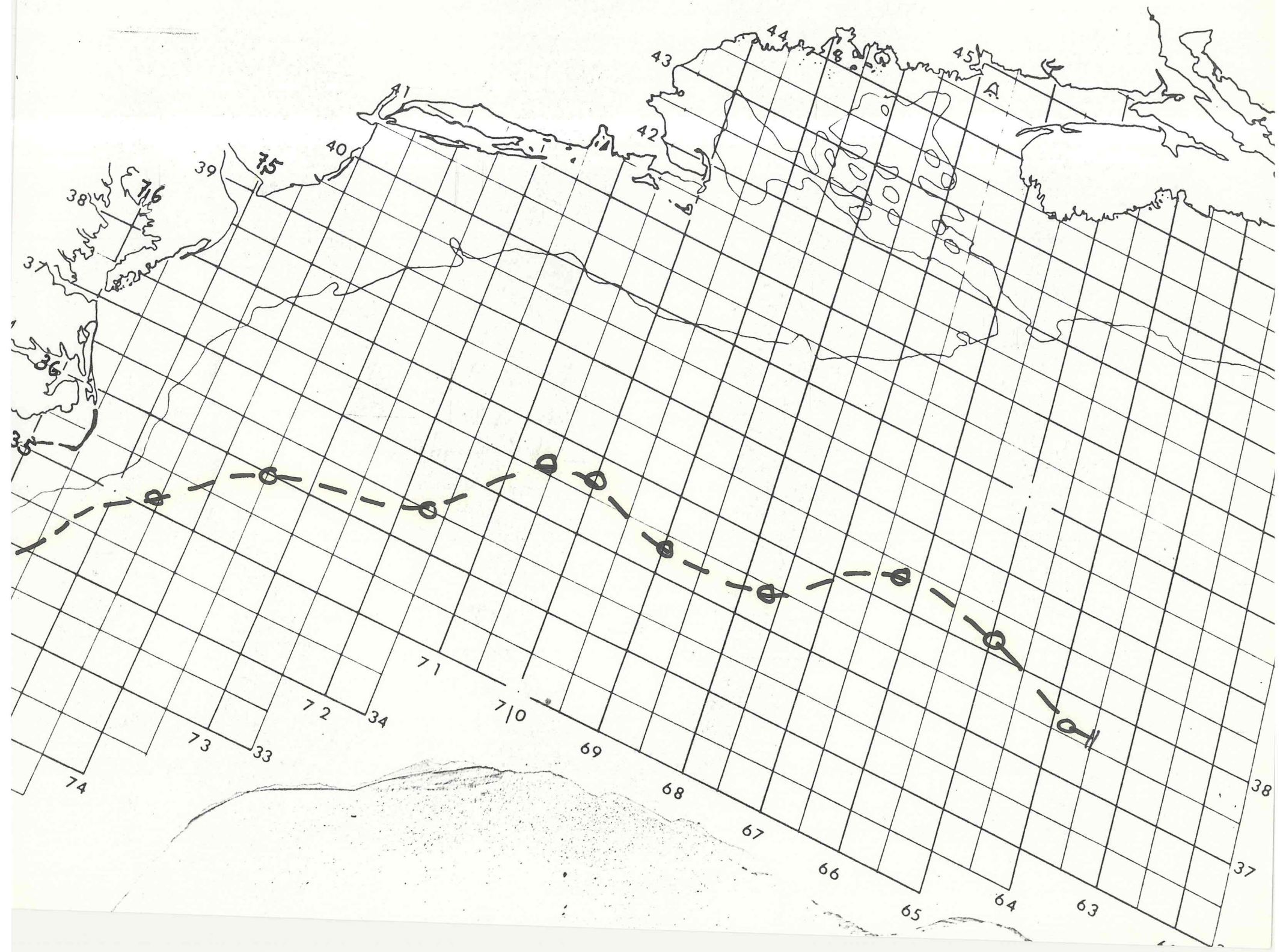
For additional information
 call (305) 665-4707
 FTS 350-4310

270798 274797 287800 302802 315795
324783 326770 333762 344754 352746
360735 365717 376706 377700 36
374690 374677 383662 382650
376638 _____



[Handwritten scribble]

MIAMI SFSS ANALYSIS OF THE GULF STREAM: 23 MARCH 19 PART B





NNNN

↓A

ZCZC WBC815
TBXX40 KMIA 231645

MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT
23 MARCH 1981.

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

216862 220858 226855 234855 237860 243862 248859 254855
255847 255839 252837 247837 244834 241831 240824 242817
238808 245804 248804 256798 262799 270798.

WARM CW ROTATING EDDY BNDD BY 280873 282865 278855 272850
266850 262855 258860 257868 260878 267880 275880.

POSITION BASED ON DATA FROM 23 MAR 81.

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

D52/43/M/23. E77/44/M/23. F62/42/M/24. G44/48/M/24.

H24/34/M/24. I29/48/M/24. J23/42/M/24. K22/33/M/24.
L10/34/M/24. M08/34/M/24. N10/35/M/24. O13/26/M/24. P16/34/M/25.

Q43/25/M/25. R16/57/M/25. S14/62/M/25. U35/59/M/25.

COLD PATCH LESS THAN 5 MI WEST OF GULF STREAM EAST OF G THRU E.
SMALL MEANDER WITH GULF STREAM WATER APPROXIMATELY 15 MI EAST OF

Q.

WILDER

NNNN

ZCZC WBC119
TBXX40 KMIA 231645

MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT
23 MARCH 1981.

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

216862 220858 226855 234855 237860 243862 248859 254855
255847 255839 252837 247837 244834 241831 240824 242817
238808 245804 248804 256798 262799 270798.

WARM CW ROTATING EDDY BNDD BY 280873 282865 278855 272850
266850 260855 258860 257868 260878 267880 275880.

POSITION BASED ON DATA FROM 23 MAR 81.

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

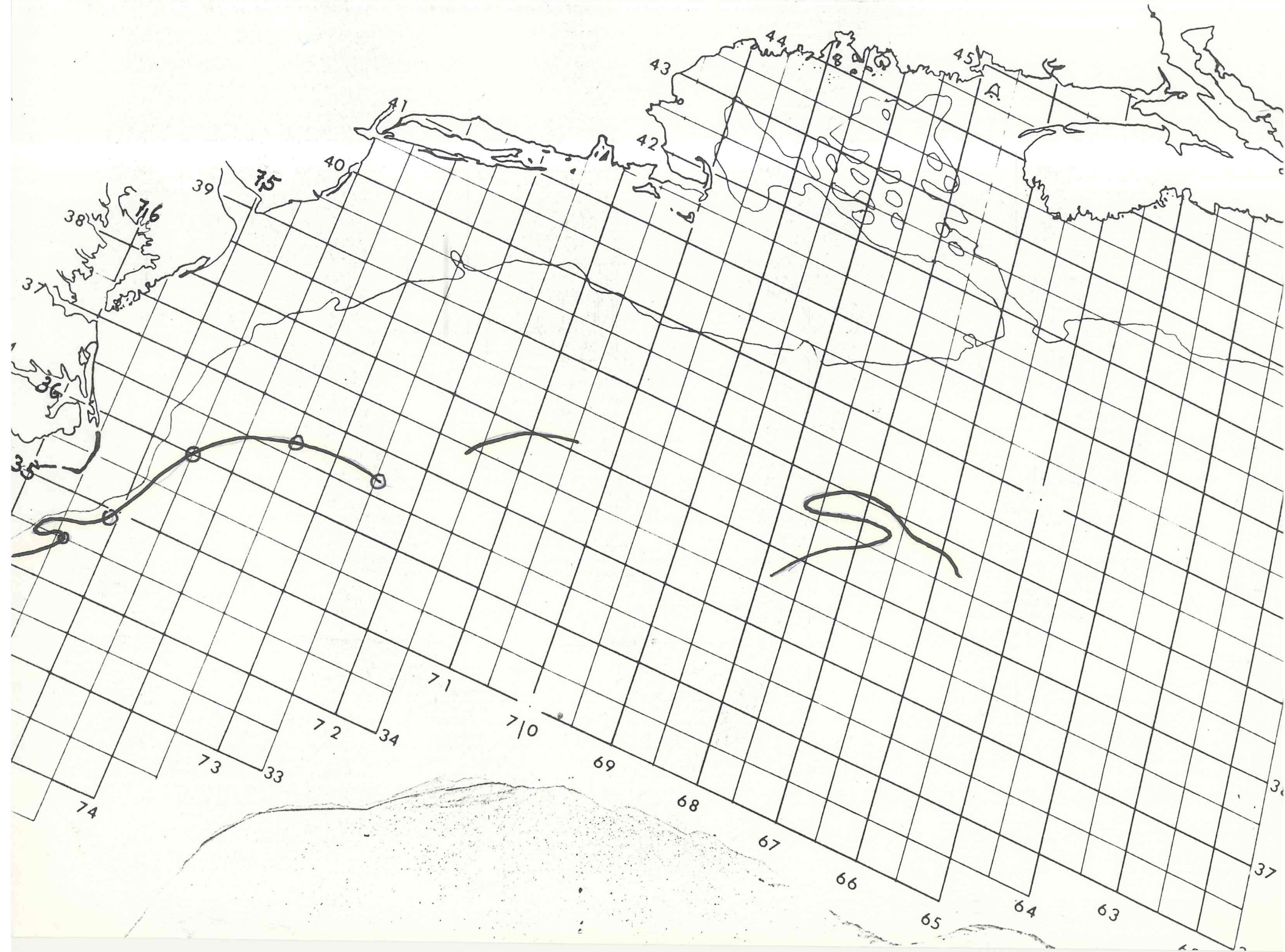
B82/43/M/23. E77/44/M/23. F62/42/M/24. G44/48/M/24.
H24/54/M/24. I29/48/M/24. J23/42/M/24. K22/33/M/24.
L10/34/M/24. M08/34/M/24. N10/35/M/24. O13/26/M/24. P16/34/M/25.
Q43/25/M/25. R16/57/M/25. S14/62/M/25. U35/59/M/25.

COLD PATCH LESS THAN 5 MI WEST OF GULF STREAM EAST OF G THRU E.
SMALL MEANDER WITH GULF STREAM WATER APPROXIMATELY 15 MI EAST OF
Q.

WILDER

MAR 23 12 22 PM '81

MIAMI SFSS ANALYSIS OF THE GULF STREAM: 25 MARCH 1981 PART B



GULF STREAM SYSTEM FLOW CHART # 2450

217862 220859 226858 232859 237861
243858 247862 252862 257859 258853
257848 254844 251839 246837 244831
241825 242821 241815 240810 244805
250800 260797 270798 // JDW

NOAA Miami SFSS

Date: 27 MARCH 1981

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.

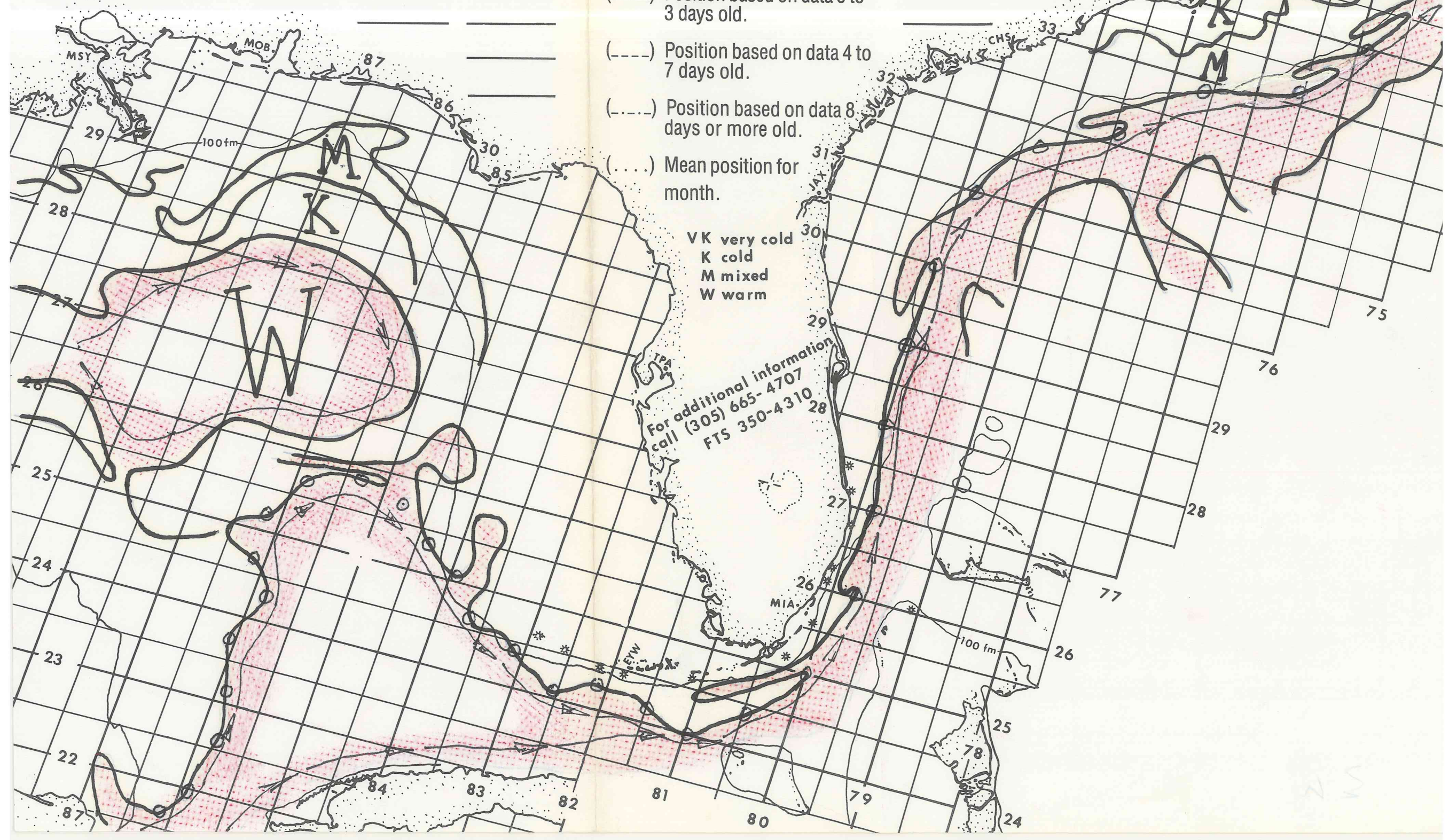
- (——) Position based on data 0 to 3 days old.
- (----) Position based on data 4 to 7 days old.
- (-----) Position based on data 8 days or more old.
- (....) Mean position for month.

VK very cold
 K cold
 M mixed
 W warm

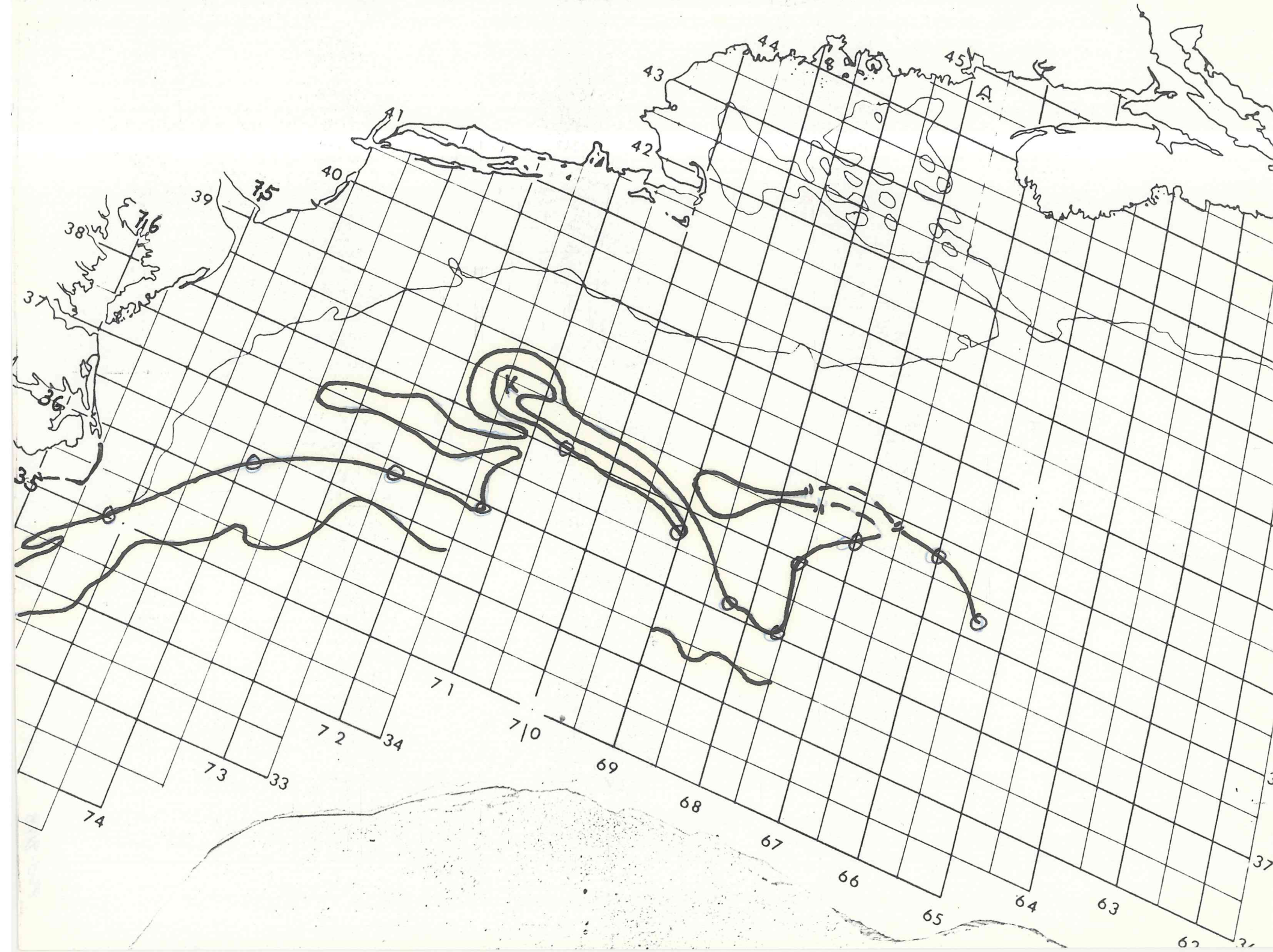
For additional information
 call (305) 665-4707
 FTS 350-4310

GULF STREAM SYSTEM FLOW CHART # 2450

270798 280800 290801 300800 310798
317793 322784 329776 332766 340759
350757 363738 368724 369713
381706 377690 372683 370676
380676 385670 388660
382654 // JDW



MIAMI SFSS ANALYSIS OF THE GULF STREAM: 27 MARCH 1981 PART B



Date: 27 MARCH 1981

Depicted land should not be used for navigation.

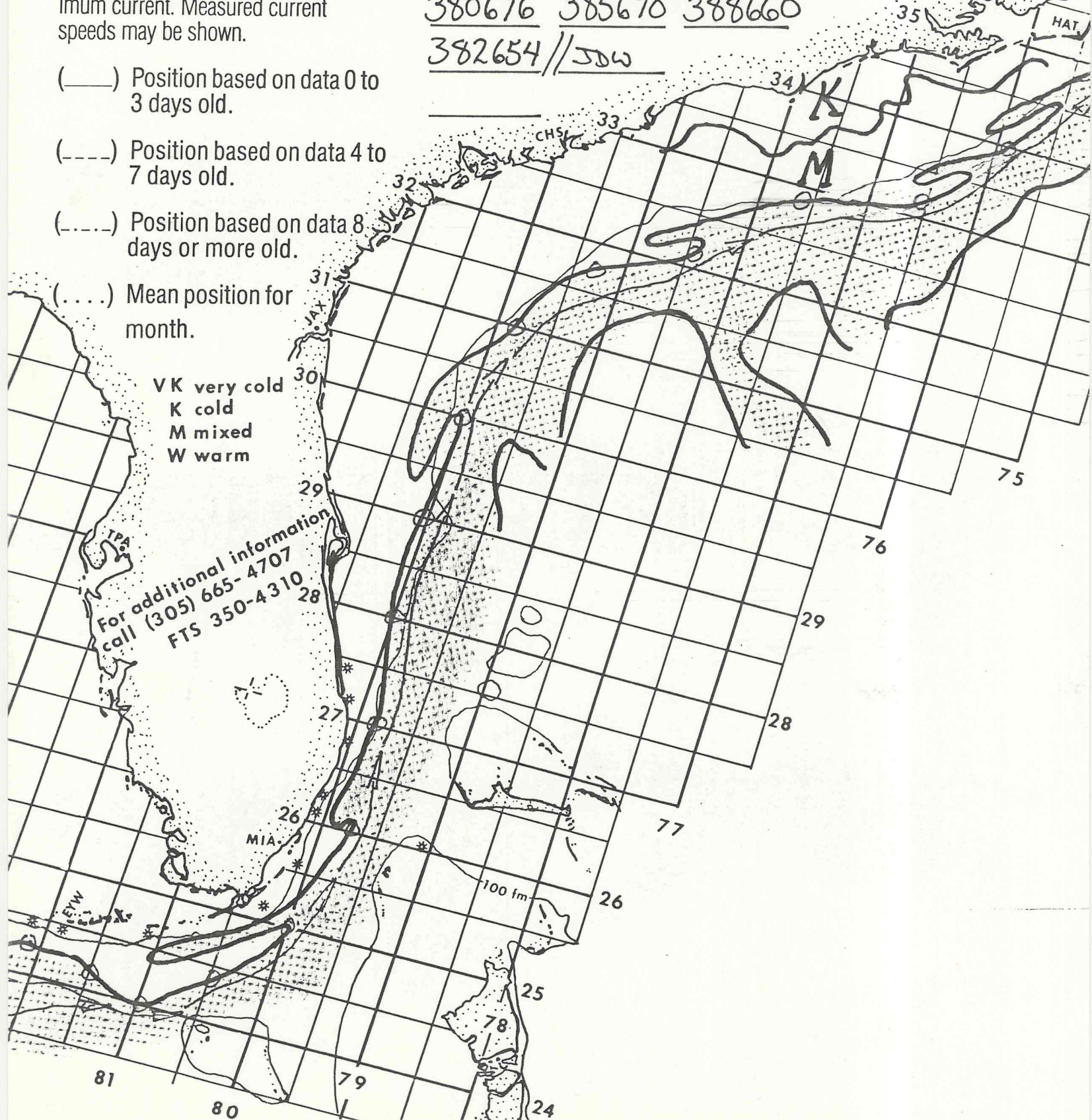
Position lines are for the edges of warmer water. The thin streamline is an estimated location for the maximum current. Measured current speeds may be shown.

<u>270798</u>	<u>280800</u>	<u>290801</u>	<u>300800</u>	<u>310798</u>
<u>317793</u>	<u>322784</u>	<u>329776</u>	<u>332766</u>	<u>340759</u>
<u>350757</u>	<u>363738</u>	<u>368724</u>	<u>369713</u>	36
<u>381706</u>	<u>377690</u>	<u>372683</u>	<u>370676</u>	
<u>380676</u>	<u>385670</u>	<u>388660</u>		
<u>382654</u>	//JGW			

- (—) Position based on data 0 to 3 days old.
- (---) Position based on data 4 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



NNNN
ZCZC

MAR 27 12 02 PM '81

TBXX40 KNIA 271700
+MIADNMIA
MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT
27 MAR 1981

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

217862 220859 226858 232859 237861 243858 247862 252862 257859
258853 257848 254844 251839 246837 244831 241825 242821 241815
240810 244805 250800 260797 270798.

WARM CW ROTATING EDDY BOUND BY 280877 284870 282860 275853
267852 262858 262865 258871 256877 258884 267887 275886.

POSITION BASED ON DATA FROM 26 MAR THRU 27 MAR 81.

MIAMI SFSS SELECTED GULFSTREAM DATA FOR NOAA WEATHER RADIO....
D80/52/M/23. E75/54/M/23. F71/40/M/24. G51/41/M/24. H19/51/M/24.
I29/48/M/24. J22/42/M/24. K19/36/M/24. L10/37/M/24. M10/40/M/24.
N08/37/M/24. O14/30/M/24. P20/36/M/25. Q38/28/M/25. R14/58/M/25.
S13/61/M/25. U23/75/M/25.

LONG MEANDER BETWEEN P AND Q WITH GULF STREAM WATER APPROXIMATELY
07 MI SE OF P AND 10 MI SE OF Q. LARGE MEANDER OFFSHORE OF F.

WILDER

NNNN↓A

ZCZC WBC572
SXNT1 KWBC 272045

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	29.0/80.1	30.0/80.0
31.0/79.8	31.7/79.3	32.2/78.4	32.9/77.6
33.2/76.6	34.0/75.9	35.0/75.7	36.3/73.8
36.9/72.4	37.4/71.3	38.1/70.6	38.0/68.9
37.2/68.0	37.0/67.6	38.0/67.3	38.4/67.0
38.5/66.0	38.2/65.4		

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

COLD EDDIES.. 35.4/62.6/60 NMI. 36.7/59.7/55 NMI.

WARM EDDIES.. 38.5/71.9/35 NMI. 38.3/70.4/60 NMI.
40.3/64.6/180 NMI.

LATEST SATELLITE DATA.. 3/27/81 1800Z

NNNN↓A

ZCZC WBC537
TBXX40 KMIA 271700

↑MIAADMMIA
MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT

27 MAR 1981

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

217862 220859 226858 232859 237861 243858 247862 252862 257859
258853 257848 254844 251839 246837 244831 241825 242821 241815

240810 244805 250800 260797 270798.

WARM CW ROTATING EDDY BNDD BY 280877 284870 282860 275853
267852 262858 262865 258871 256877 258884 267887 275886.

POSITION BASED ON DATA FROM 26 MAR THRU 27 MAR 81.

MIAMI SFSS SELECTED GULFSTREAM DATA FOR NOAA WEATHER RADIO....
D80/52/M/23. E75/54/M/23. F71/40/M/24. G51/41/M/24. H19/51/M/24.

I29/48/M/24. J22/42/M/24. K19/36/M/24. L10/37/M/24. M10/40/M/24.
N08/37/M/24. O14/30/M/24. P20/36/M/25. Q38/28/M/25. R14/58/M/25.

S13/61/M/25. U23/75/M/25.

LONG MEANDER BETWEEN P AND Q WITH GULF
ATTN MIA NEW

REPORT

OIL RIG OFFSHORE MERCURY LAT 26.18 N LONG 83.24 W

SA 1650 CLR 10 69/63/0912/026/ SEAS 2 TO 3 FEET0

ABV

ZCZC

TBXX40 KMIA 271700
↑MIAADMMIA
MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT
27 MAR 1981

CODED POINTS GIVE LATITUDE/LONGITUDE ALONG THE COASTWARD
EDGE OF THE WARMER WATER....
217862 220859 226858 232859 237861 243858 247862 252862 257859
258853 257848 254844 251839 246837 244831 241825 242821 241815
240810 244805 250800 260797 270798.

WARM CW ROTATING EDDY BNDD BY 280877 284870 282860 275853
267852 262858 262865 258871 256877 258884 267887 275886.

POSITION BASED ON DATA FROM 26 MAR THRU 27 MAR 81.

MIAMI SFSS SELECTED GULFSTREAM DATA FOR NOAA WEATHER RADIO....
D80/52/M/23. E75/54/M/23. F71/40/M/24. G51/41/M/24. H19/51/M/24.
I29/48/M/24. J22/42/M/24. K19/36/M/24. L10/37/M/24. M10/40/M/24.
N08/37/M/24. O14/30/M/24. P20/36/M/25. Q38/28/M/25. R14/58/M/25.
S13/61/M/25. U23/75/M/25.

LONG MEANDER BETWEEN P AND Q WITH GULF STREAM WATER APPROXIMATELY
07 MI SE OF P AND 10 MI SE OF Q. LARGE MEANDER OFFSHORE OF F.

WILDER

NNNN↓

Letter designators for coastal lights referenced in Miami SFSS Gulf Stream System information for NWR

- () A - 27 MARCH 81
- () B -
- (35) C - Brunswick Lighted Whistle Buoy 2B
- (40) D - St. Marys Entrance Lighted Whistle Buoy S^TM 1
80 | 52 | M | 23
- (43) E - St. Johns Lighted Whistle Buoy 2 St.J.
75 | 54 | M | 23
- (45) F - St. Augustine Lighted Whistle Buoy St.A.
71 | 40 | M | 24
- (49) G - Ponce de Leon Inlet Lighted Bell Buoy 2
51 | 41 | M | 24
- (52) H - Southeast Outer Shoal Lighted Bell Buoy 2
19 | 51 | M | 24
- 3.10) I - Sebastian Inlet North Jetty Light
29 | 48 | M | 24
- (57) J - Fort Pierce Inlet Lighted Whistle Buoy 2
22 | 42 | M | 24
- (61) K - St. Lucie Entrance Lighted Whistle Buoy 2
19 | 36 | M | 24

- (64) L - Lake Worth Inlet Lighted Bell Buoy 2LW
10 | 37 | M | 24
- (66) M - Hillsboro Inlet Light
10 | 40 | M | 24
- (68) N - Port Everglades Lighted Whistle Buoy 1
08 | 37 | M | 24
- (74) O - Fowey Rocks Light
14 | 30 | M | 24
- (79) P - Elbow Reef Light B
20 | 36 | M | 25
- (84) Q - Sombrero Key Light
38 | 28 | M | 25
- (91) R - Sand Key Light
14 | 54 | M | 25
- (92) S - Cosgrove Shoal Light
13 | 61 | M | 25
- (94) T - Rebecca Shoal Light
- (95) U - Dry Tortugas Light
23 | 75 | M | 25

7
10

GULF STREAM SYSTEM FLOW CHART # 2450

216864 224860 229856 233855 242859
 254860 259857 259847 254845 244836
 240825 241813 240809 246802 255799
 260799// _____

NOAA Miami SFSS

Date: 30 MAR 1981

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.

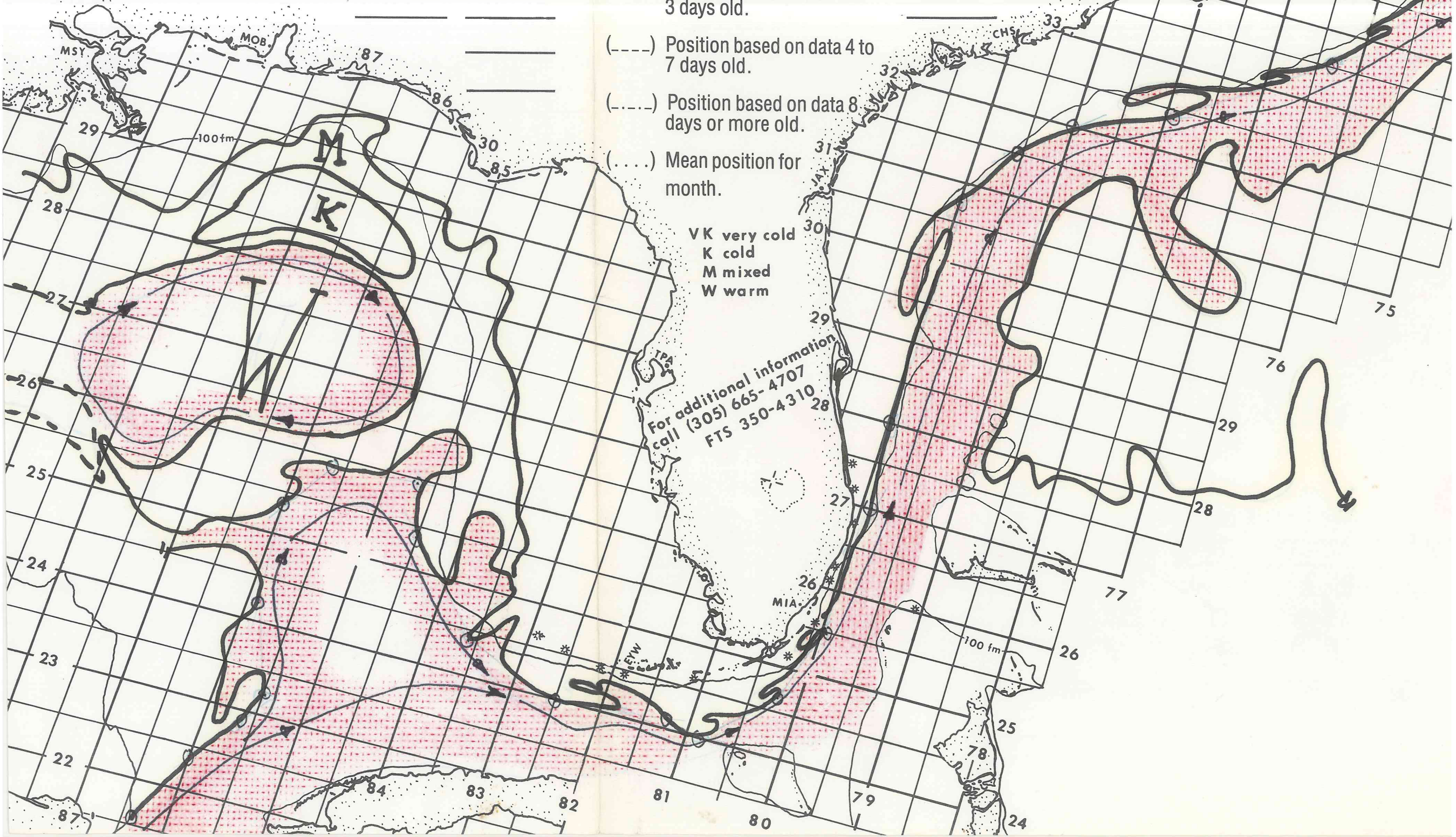
- (____) Position based on data 0 to 3 days old.
- (----) Position based on data 4 to 7 days old.
- (-----) Position based on data 8 days or more old.
- (.....) Mean position for month.

VK very cold
 K cold
 M mixed
 W warm

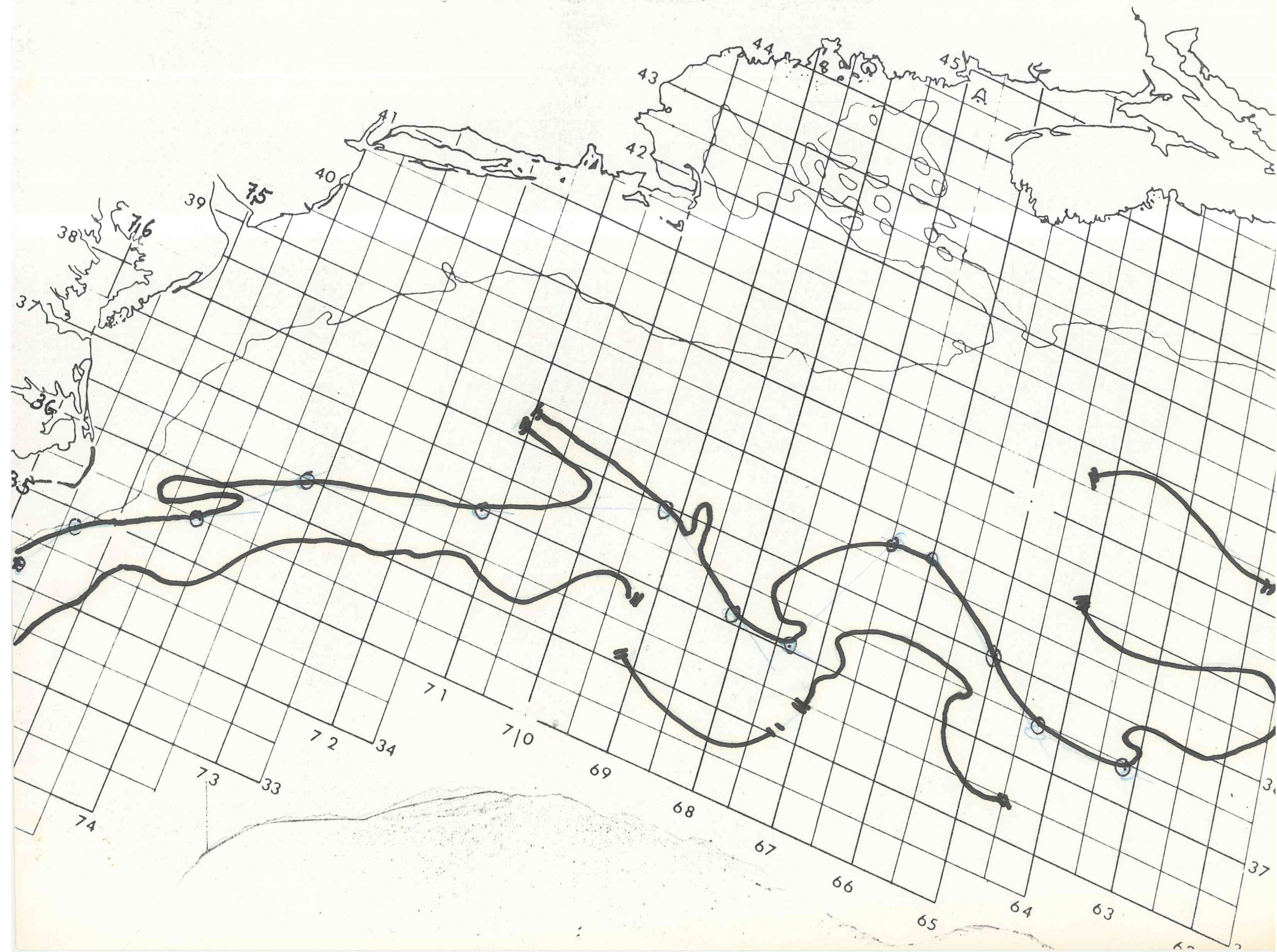
For additional information
 call (305) 665-4707
 FTS 350-4310

GULF STREAM SYSTEM FLOW CHART # 2450

270799 280800 308800 315795 320790
 324779 335763 342757 348754 355742
 365732 370712 380692 371681 36
 371673 388645 388660 380650
 375643 374632// ~~814~~ _____



MIAMI SFSS ANALYSIS OF THE GULF STREAM: 30 MAR 1981 PART B



NNNNZC ATL

ZCZC WBC326
IBXX40 KMIA 301600 COR

TMIAADMMIA
MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT

30 MAR 1981.

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

216864 224860 229856 233855 242859 254860 259857 259847 254845
244856 240820 241813 240809 246802 255799 260799.

POSITION BASED ON DATA FROM 30 MAR 81.

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

D 74/69/M/23. E 82/62/M/23. F 74/57/M/24. G 54/87/M/24. H 25/75/M/24.
I 30/70/M/24. J 18/53/M/24. K 13/42/M/24. L 8/50/M/24. M 7/45/M/24.

N 8/45/M/24. O 9/35/M/24. P 8/60/M/25. Q 36/30/M/25. R 23/46/M/25.
S 23/53/M/25. U 32/66/M/25.

MEANDER ALONG SHOREWARD EDGE OF GULFSTREAM FROM E TO 15 MI NORTH OF
G PUSHES GULFSTREAM WATER SHOREWARD OF 100 FM. SMALL MEANDERS ALONG
SHOREWARD EDGE OF GULFSTREAM EAST OF O.. BETWEEN P AND Q.. SSE OF Q.. AND
BETWEEN R AND S. WILDER/BAIG

NNNN
ZCZC

TBXX40 KMIA 301600 COR
+MIADMMIA
MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT
30 MAR 1981.

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

216864 224860 229856 233855 242859 254860 259857 259847 254845
244836 240825 241813 240809 246802 255799 260799.

POSITION BASED ON DATA FROM 30 MAR 81.

MIAMI SFSS SELECTED GULFSTREAM DATA FOR NOAA WEATHER RADIO....
B74/69/W/23. E82/62/W/23. F74/57/W/24. G54/87/W/24. H25/75/W/24.
I30/70/W/24. J18/53/W/24. K13/42/W/24. L 8/50/W/24. M 7/45/W/24.
N 8/43/W/24. O 9/35/W/24. P 8/60/W/25. Q36/30/W/25. R23/46/W/25.
S23/53/W/25. U32/66/W/25.

MEANDER ALONG SHOREWARD EDGE OF GULFSTREAM FROM E TO 15 MI NORTH OF

G PUSHES GULFSTREAM WATER SHOREWARD OF 100 FM. SMALL MEANDERS A
LONG
SHOREWARD EDGE OF GULFSTREAM EAST OF O., BETWEEN P AND Q., SSE OF Q., A
ND
BETWEEN R AND S. WILDER/BAIG

NNNN

MAR 30 12 59 PM '81