

Date: 02 NOV 1981

USE THESE DATA WITH CAUTION

215864 220865 243872 256877 262874
267865 268854 273848 261848 254851
249851 240845 // 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.

270799 286800 298801 310797 317788
323783 324777 328773 338768 345755
353748 367726 374721 382706 36
380699 375692 374685 390665
370642 372638 // SMP

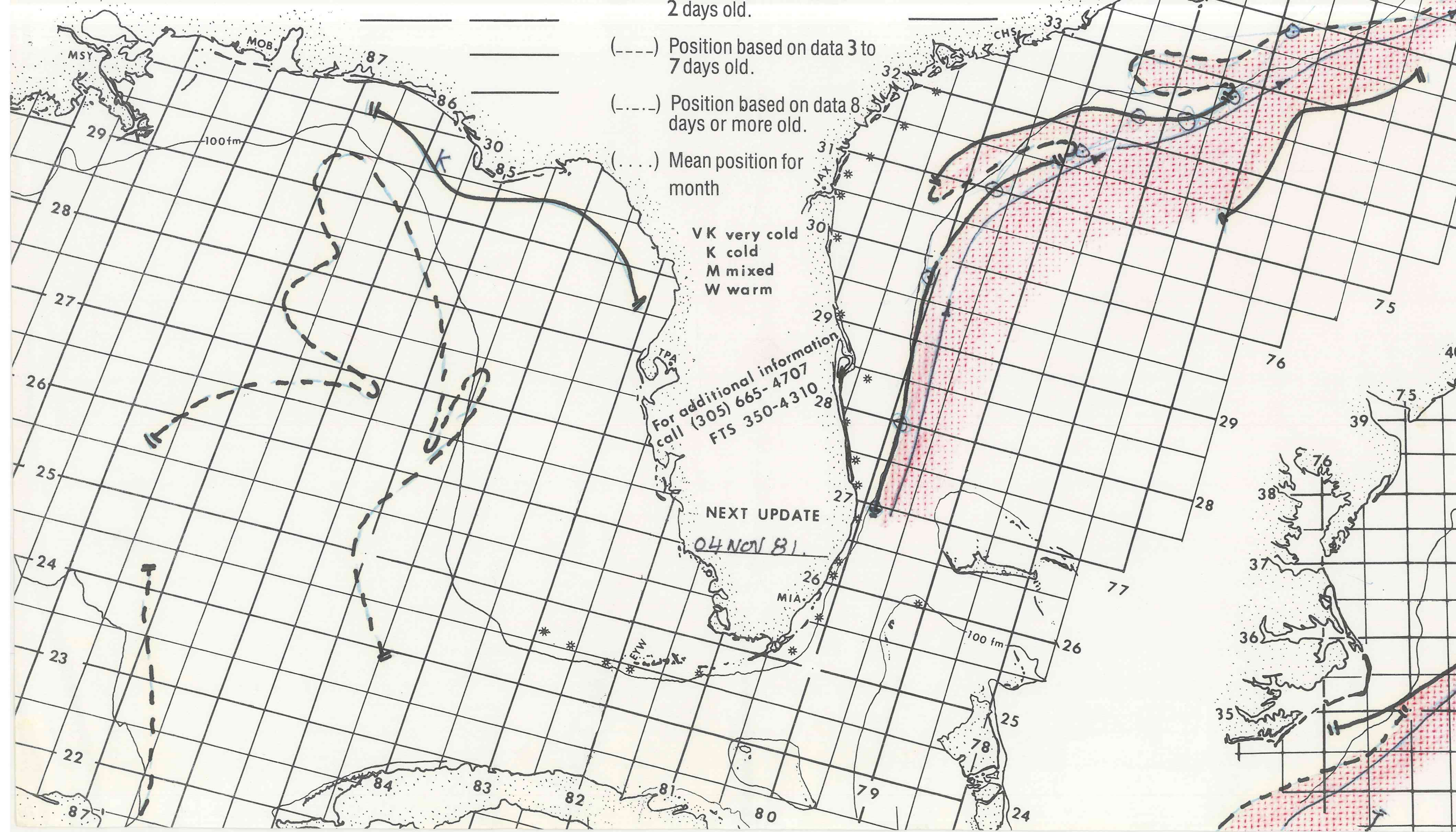
- (——) Position based on data 0 to 2 days old.
- (- - -) Position based on data 3 to 7 days old.
- (- · - ·) Position based on data 8 days or more old.
- (· · · ·) Mean position for month

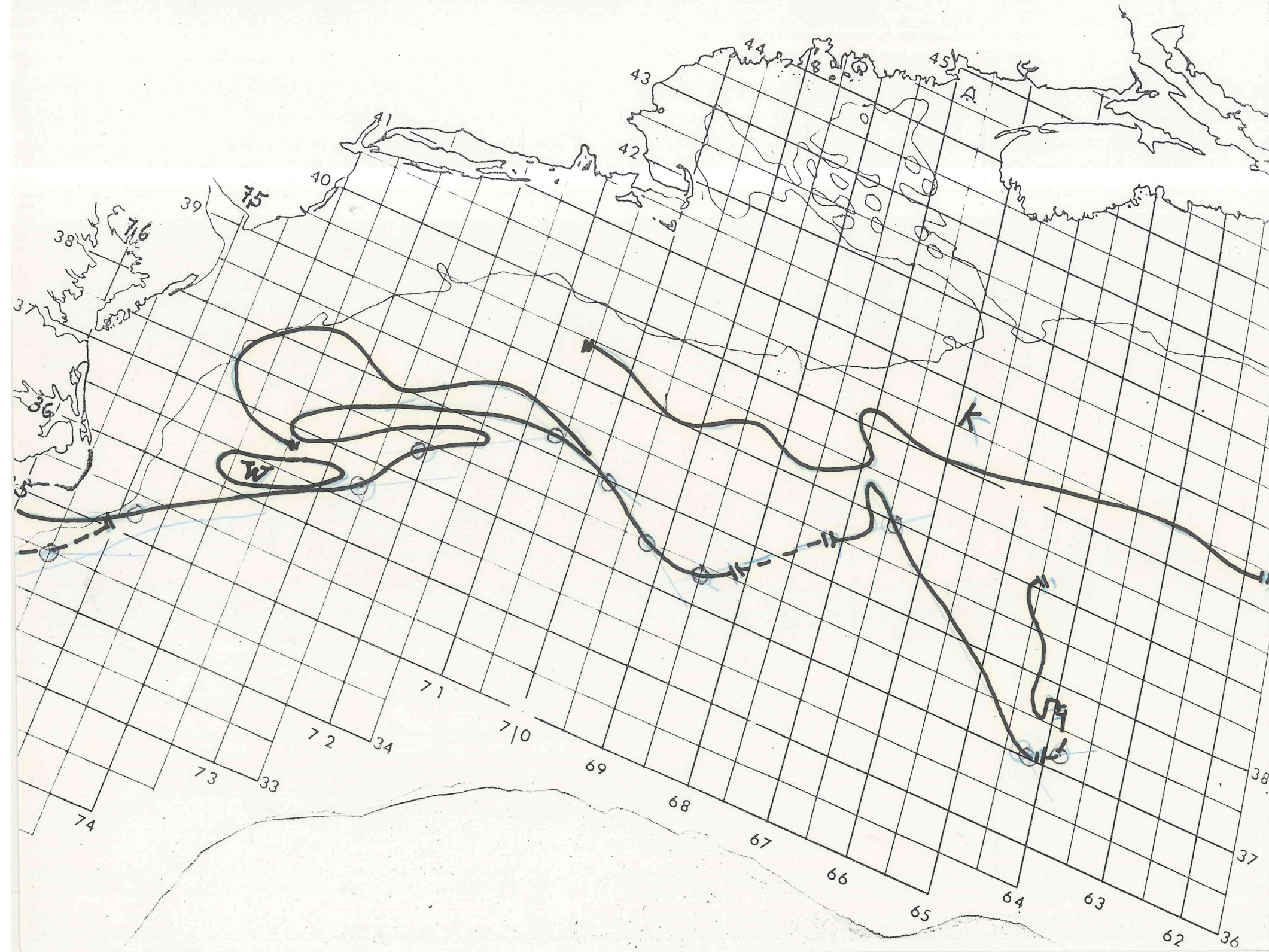
VK very cold
 K cold
 M mixed
 W warm

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

NEXT UPDATE

04 NOV 81





Date: 02 NOV 1981

USE THESE DATA WITH CAUTION . . .

215864 220865 243872 256877 262874
 267865 268854 273848 261848 254851
 249851 240845 // EMP

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.

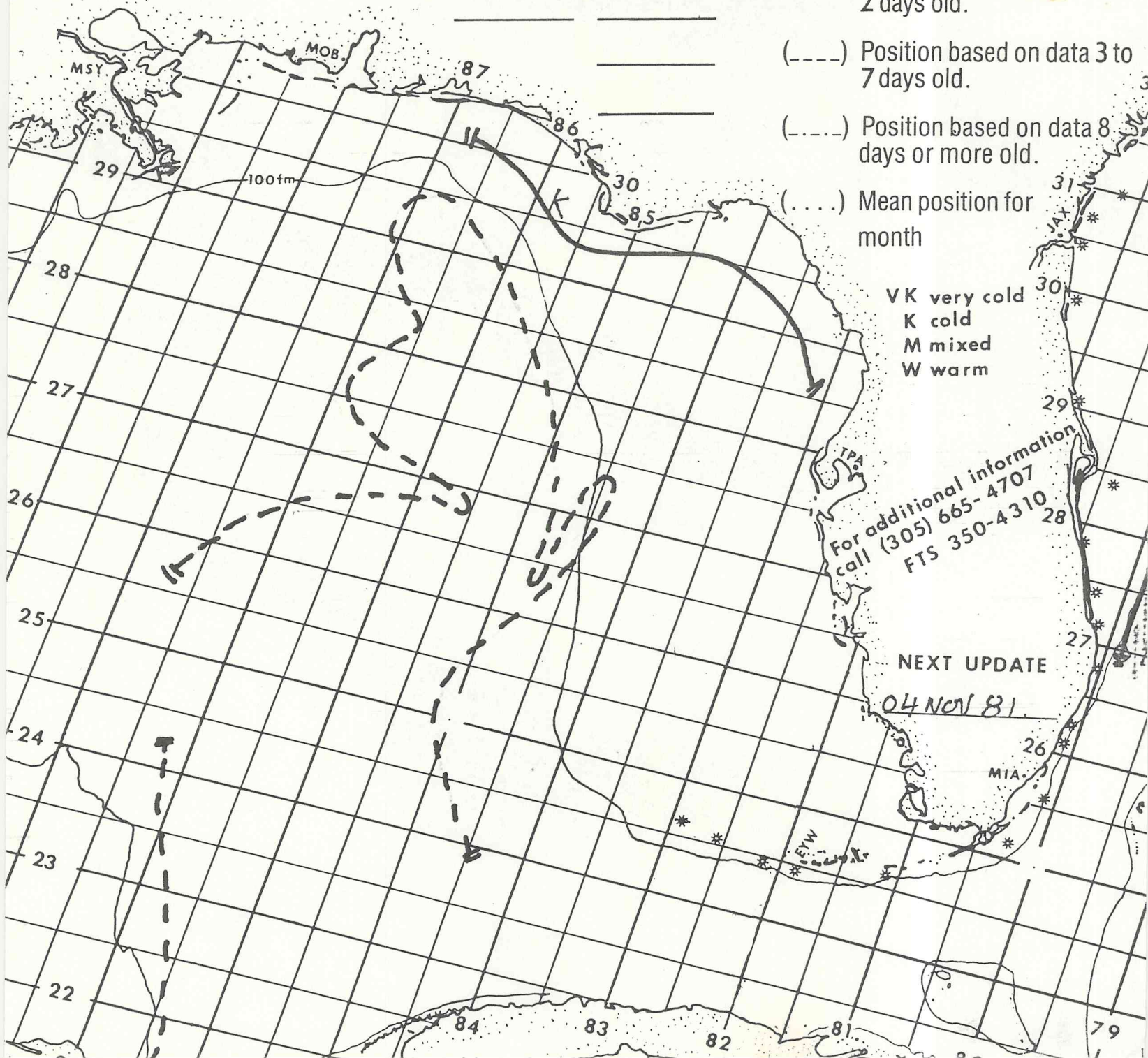
(. . . .) Mean position for month

VK very cold
 K cold
 M mixed
 W warm

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

NEXT UPDATE

04 NOV 81



1981 NOV -2 AM 11: 57

NNNN
7070 MIAMI NMTA

TRXX40 021645
MIAMI NMTA
MIAMI SESS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT
02 NOV 1981

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

USE THESE DATA WITH CAUTION. . . 215064 220065 243072 256077 262074
267065 268054 273048 261048 254051 249051 240045. DATA ARE FROM
23 THROUGH 26 OCT 81.

MIAMI SESS SELECTED GULF STREAM DATA FOR NOAA WEATHER BARRA. . .

000/ M/M/27. 004/ M/M/28. 090/ M/M/28. 093/ M/M/28. 099/ M/M/28.
073/ M/M/28. 055/ M/M/28. 027/ M/M/29. 137/ M/M/29. 121/ M/M/29.
K15/M/M/29.

AN INSTAB FRONT IS OBSERVED ALONG THE SHOREWARD EDGE OF THE GULF
STREAM 20 NM SOUTHEAST OF A AND 43 NM SOUTHEAST OF R.

DATA ARE CURRENT.

DATA

GULF STREAM SYSTEM FLOW CHART # 2450

NOAA Miami SFSS

GULF STREAM SYSTEM FLOW CHART # 2450

Date: 04 NOV 1981

USE THESE DATA WITH CAUTION

215864 220865 243872 256877 262874
267865 268854 273848 261848 254851
249851 240845/SRP

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.

270800 290800 302801 312796 31679D
323783 325776 330772 338769 344759
359742 364730 370719 381713 36
382699 372686 37568D 39566D
390659 384656 380650
372642 370635/81D

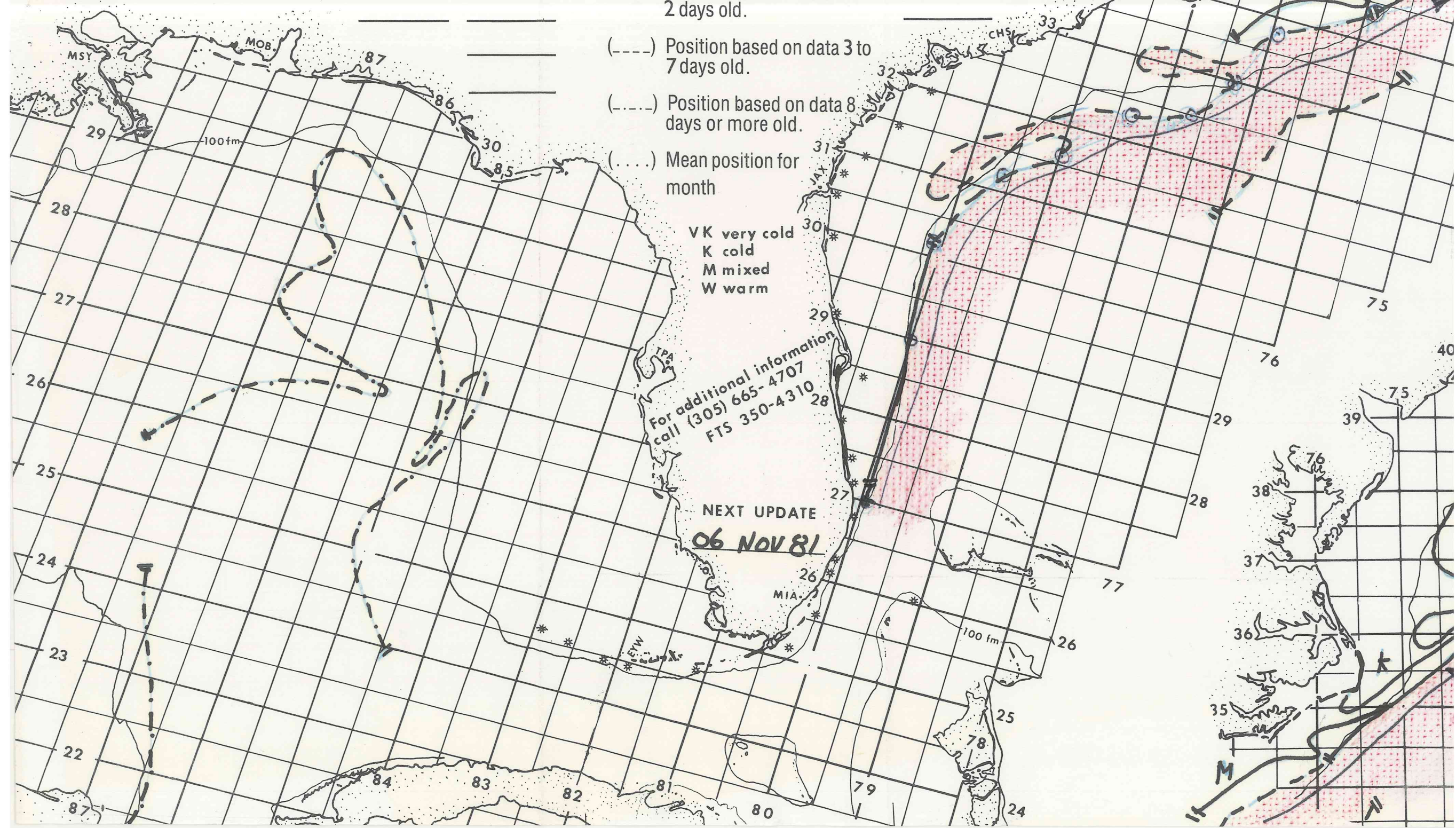
- (——) Position based on data 0 to 2 days old.
- (- - -) Position based on data 3 to 7 days old.
- (- · - ·) Position based on data 8 days or more old.
- (· · · ·) Mean position for month

VK very cold
 K cold
 M mixed
 W warm

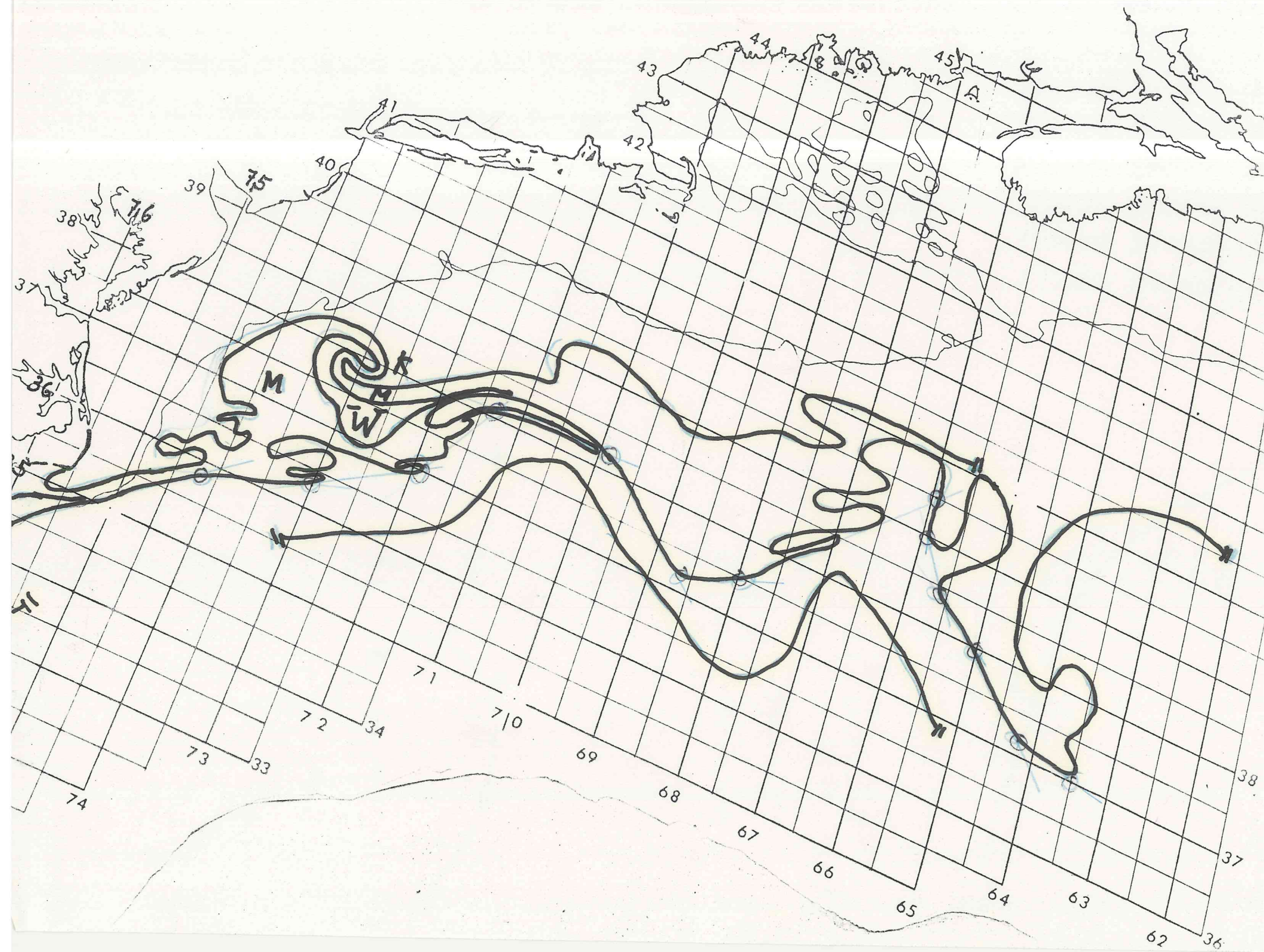
For additional information
 call (305) 665-4707
 FTS 350-4310

NEXT UPDATE

06 NOV 81



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



GULF STREAM SYSTEM FLOW CHART # 2450

NOAA Miami SFSS

GULF STREAM SYSTEM FLOW CHART # 2450

USE THESE DATA WITH CAUTION...

215864 220864 241872 255874 260862
 275849 256844 250846 244846 241842

Date: 06 NOV 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.

270800 290800 302801 309798 326780
 328772 338768 345757 355746 365727
 372718 381712 382694 374684 36
 376676 390667 389659 379649
 373640 372635//SRP

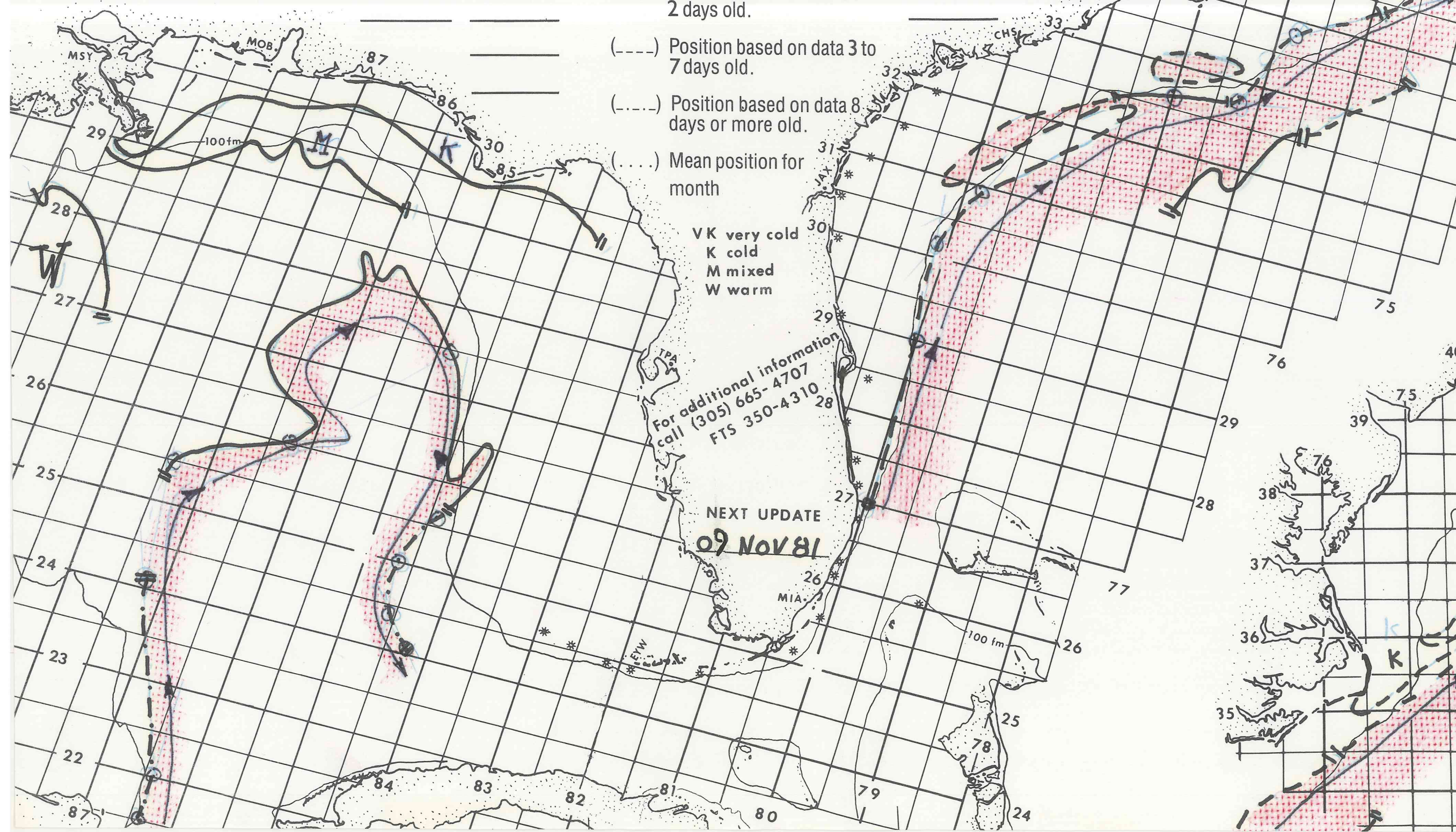
- (——) Position based on data 0 to 2 days old.
- (- - -) Position based on data 3 to 7 days old.
- (.....) Position based on data 8 days or more old.
- (....) Mean position for month

VK very cold
 K cold
 M mixed
 W warm

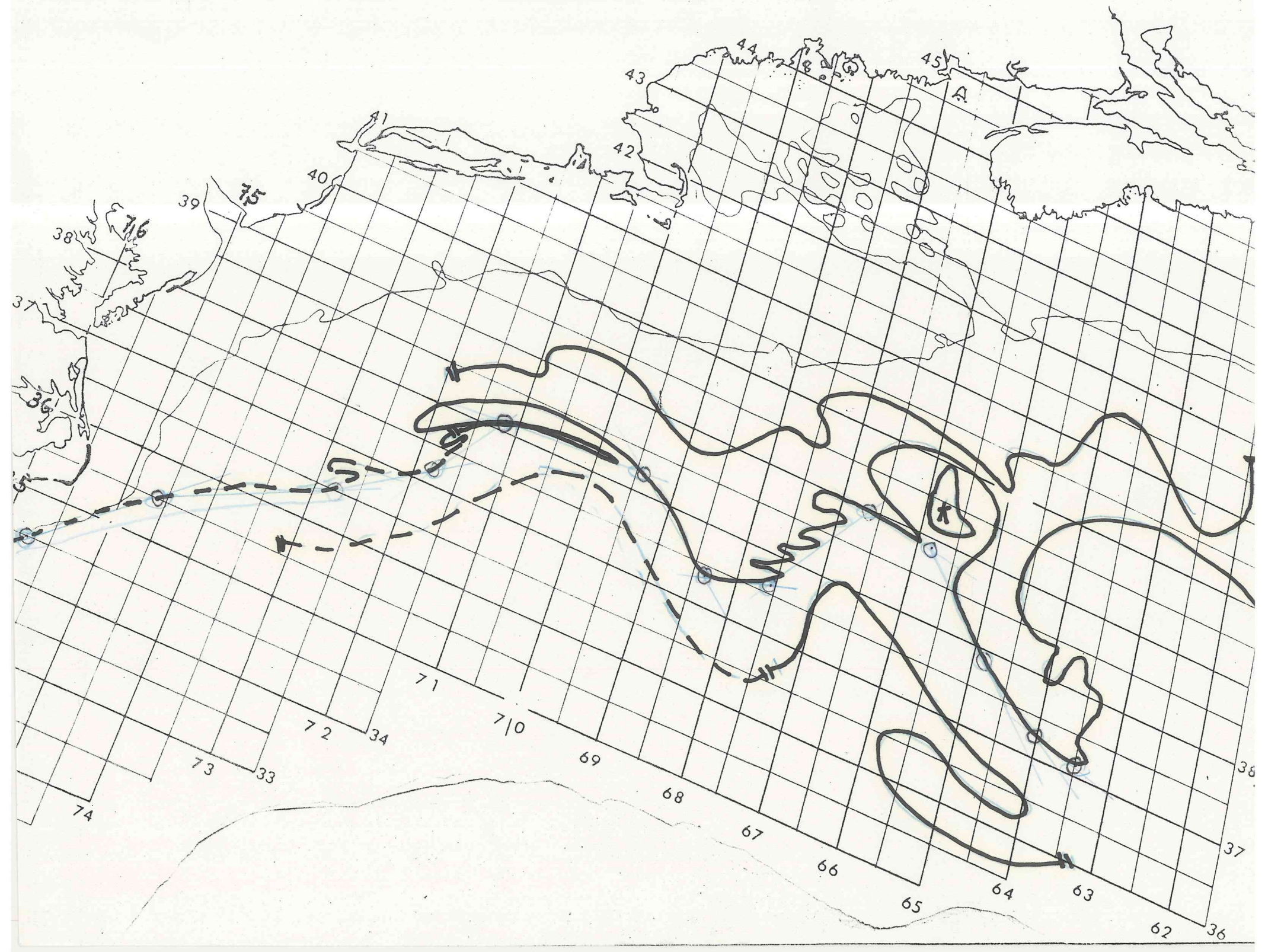
For additional information
 call (305) 665-4707
 FTS 350-4310

NEXT UPDATE

09 NOV 81



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



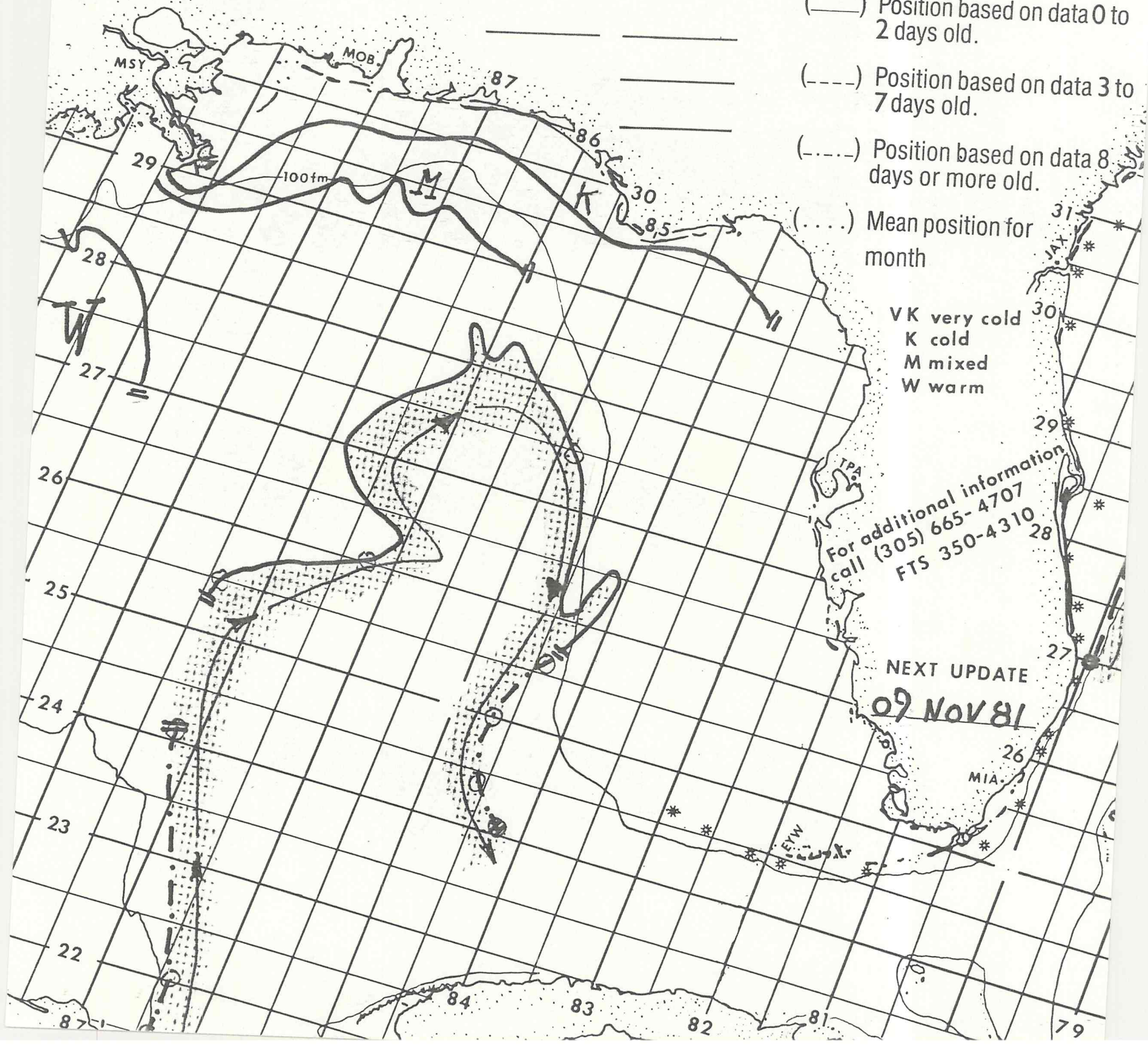
USE THESE DATA WITH CAUTION...
 215864 220864 241872 255874 260862
 275849 256844 250846 244846 241842

Date: 06 NOV 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 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



GULF STREAM SYSTEM FLOW CHART # 2450

NOAA Miami SFSS

GULF STREAM SYSTEM FLOW CHART # 2450

Date: 09 NOV 1981

215865 220865 229868 238874 245875
260871 262866 267858 264846 261842
255841 245844 242846 237847 235842
239830 243820 247807 253802 260801||
275801||

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.

270800 277799 290800 300800 312797
316792 319782 323776 329771 341761
347754 353750 360741 361736 36
366730 367725 379707 380694 35
374685 374678 390665 34
385655 374641 33
369632||ENE

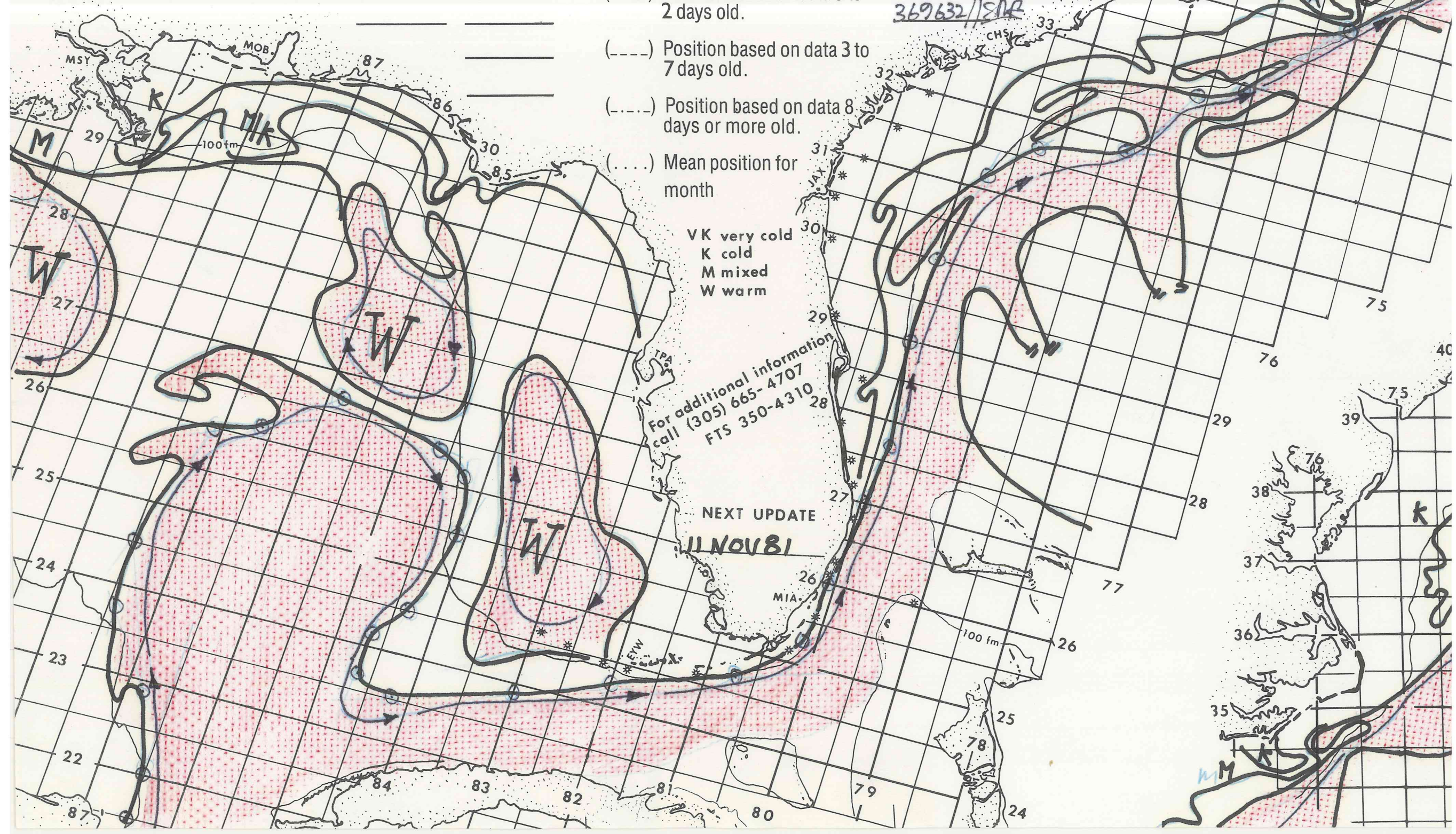
- (____) Position based on data 0 to 2 days old.
- (----) Position based on data 3 to 7 days old.
- (-----) Position based on data 8 days or more old.
- (....) Mean position for month

VK very cold
 K cold
 M mixed
 W warm

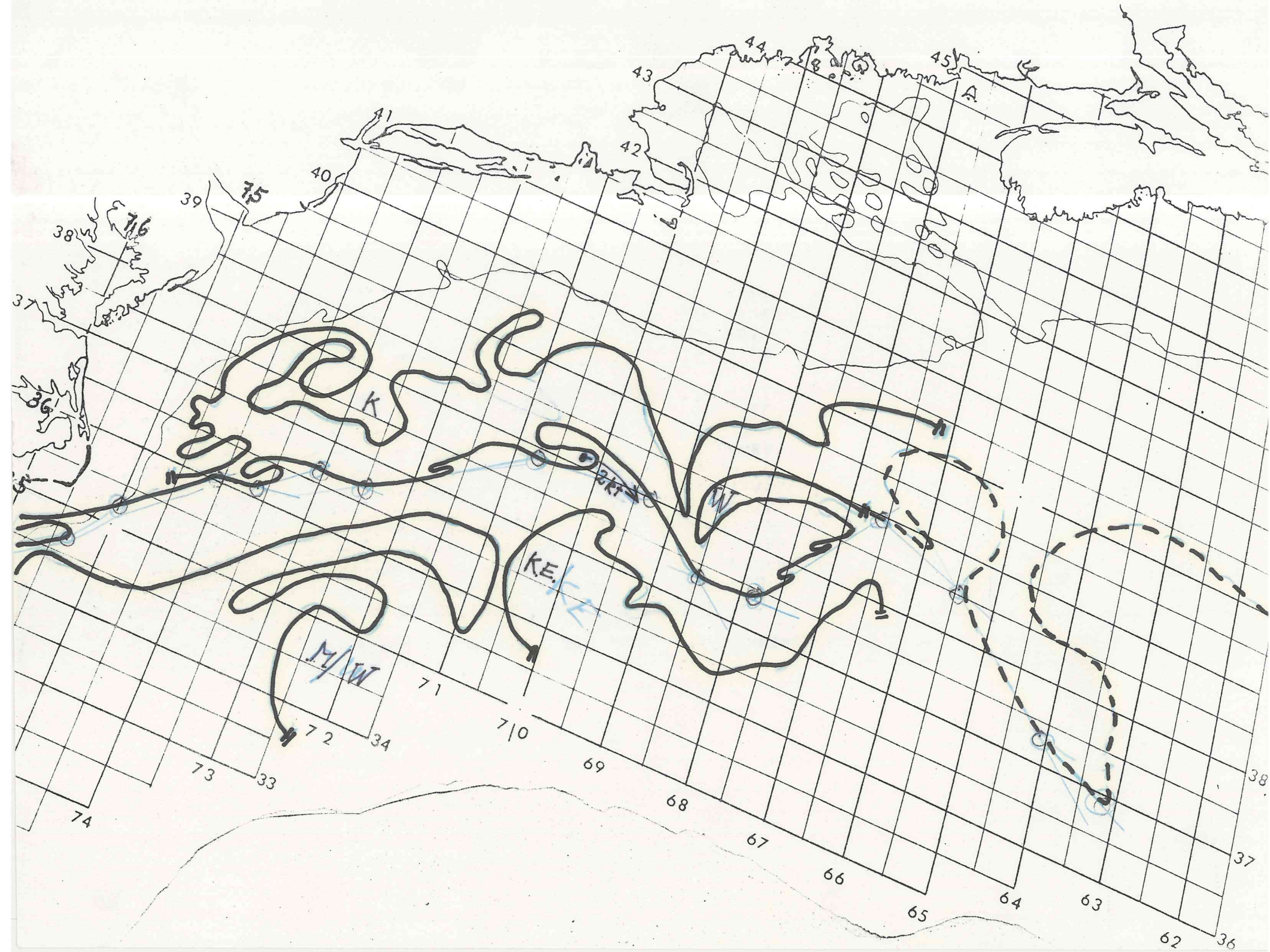
For additional information
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 FTS 350-4310

NEXT UPDATE

11 NOV 81



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



NNNN

7070 MTAQ MNTA

TRXX40 091700

MTAQ MNTA

MIAMI SESS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT

09 NOV 1981

1981 NOV -9 PM 12: 25

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

245005 220005 229000 238004 245005 260001 262000 267000 264000
261000 255000 245000 242000 237000 235000 239000 243000 247000
253000 260000. DATA ARE CURRENT.

THREE WARM FRONTS ARE OBSERVED IN THE GULF OF MEXICO... ONE CENTERED
NEAR 27.5N 85.5W ABOUT 100 NM IN DIAMETER... A SECOND BOUNDED BY THE
POINTS 270000 270000 260000 257000 246000 241000 255000 270000
270000... A THIRD CENTERED NEAR 27N90W ABOUT 120 NM IN DIAMETER.

MIAMI SESS REFLECTED GULF ESTREAM DATA FOR NOAA WEATHER BATHY...

070/60/M/27. 007/40/M/27. 079/60/M/27. 090/40/M/27. 090/44/M/29.
077/30/M/29. 050/35/M/29. 427/40/M/29. 136/56/M/29. 120/50/M/29.
110/40/M/29. 105/54/M/29. 004/60/M/29/ 001/55/M/29. 000/44/M/29.
000/60/M/29. 005/54/M/29. 000/66/M/29. 516/60/M/29. 043/60/M/29.

A WEATHER IS OBSERVED ALONG THE SHOREWARD EDGE OF THE GULF ESTREAM
WITH AN INTRIFRONT 60 NM SOUTHWEST OF R. 74 NM EAST OF 0. 64 NM
EAST OF... F AND 44 NM EAST OF F.

DATA ARE CURRENT.

DATA

GULF STREAM SYSTEM FLOW CHART # 2450

NOAA Miami SFSS

GULF STREAM SYSTEM FLOW CHART # 2450

215865 220865 230867 246874 255872
 261870 267856 264846 260842 255841
 248843 239847 235845 235839 239830
 244815 248806 251802 260800//

Date: 11 NOV 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.

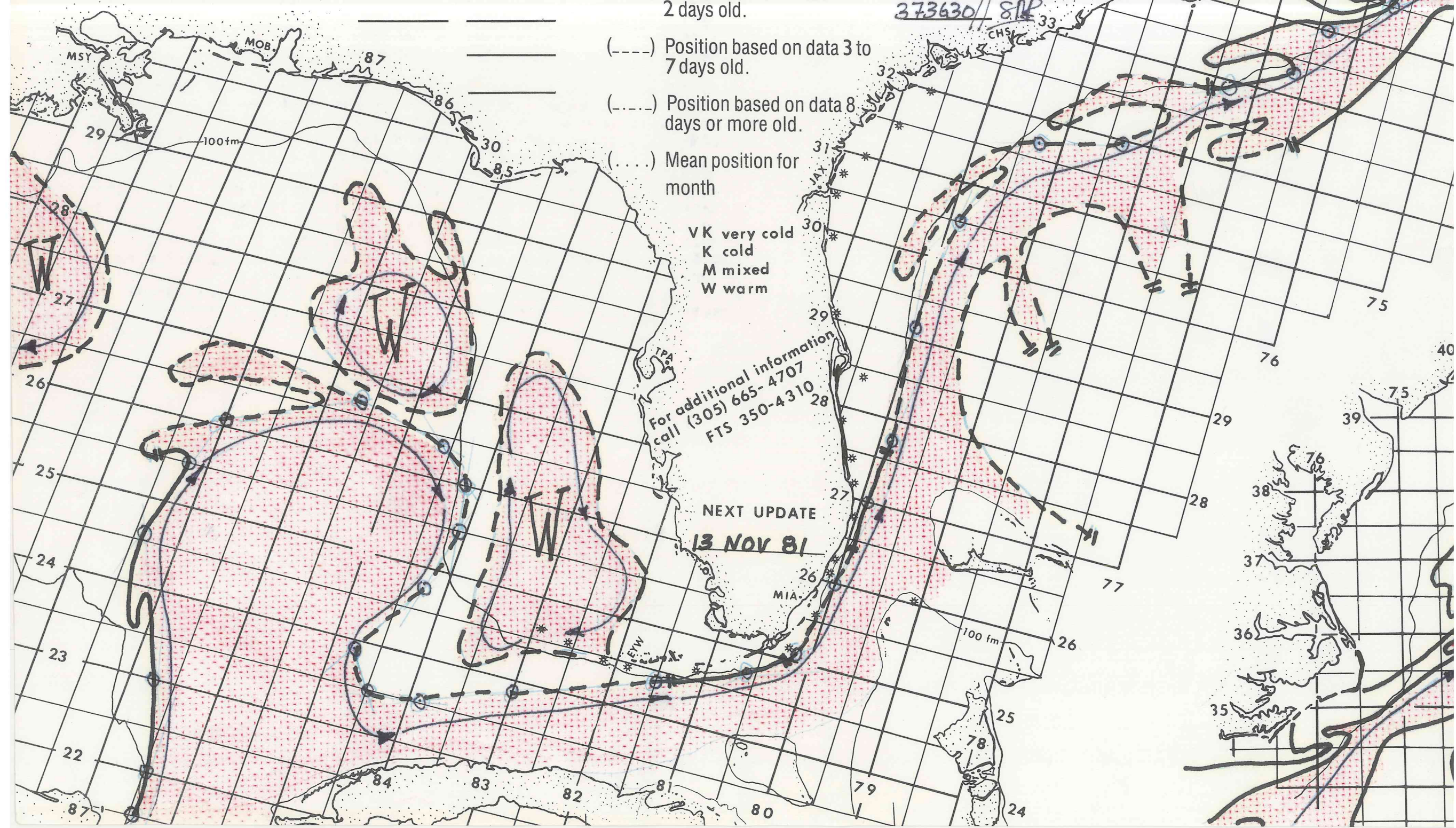
270799 278799 292800 305798 317793
 319783 329773 333766 340764 345757
 350754 367729 370720 380708 36
 382691 376685 371681 371671
 388665 394652 385648
 376646 373641
 373630// SNP

- (——) 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

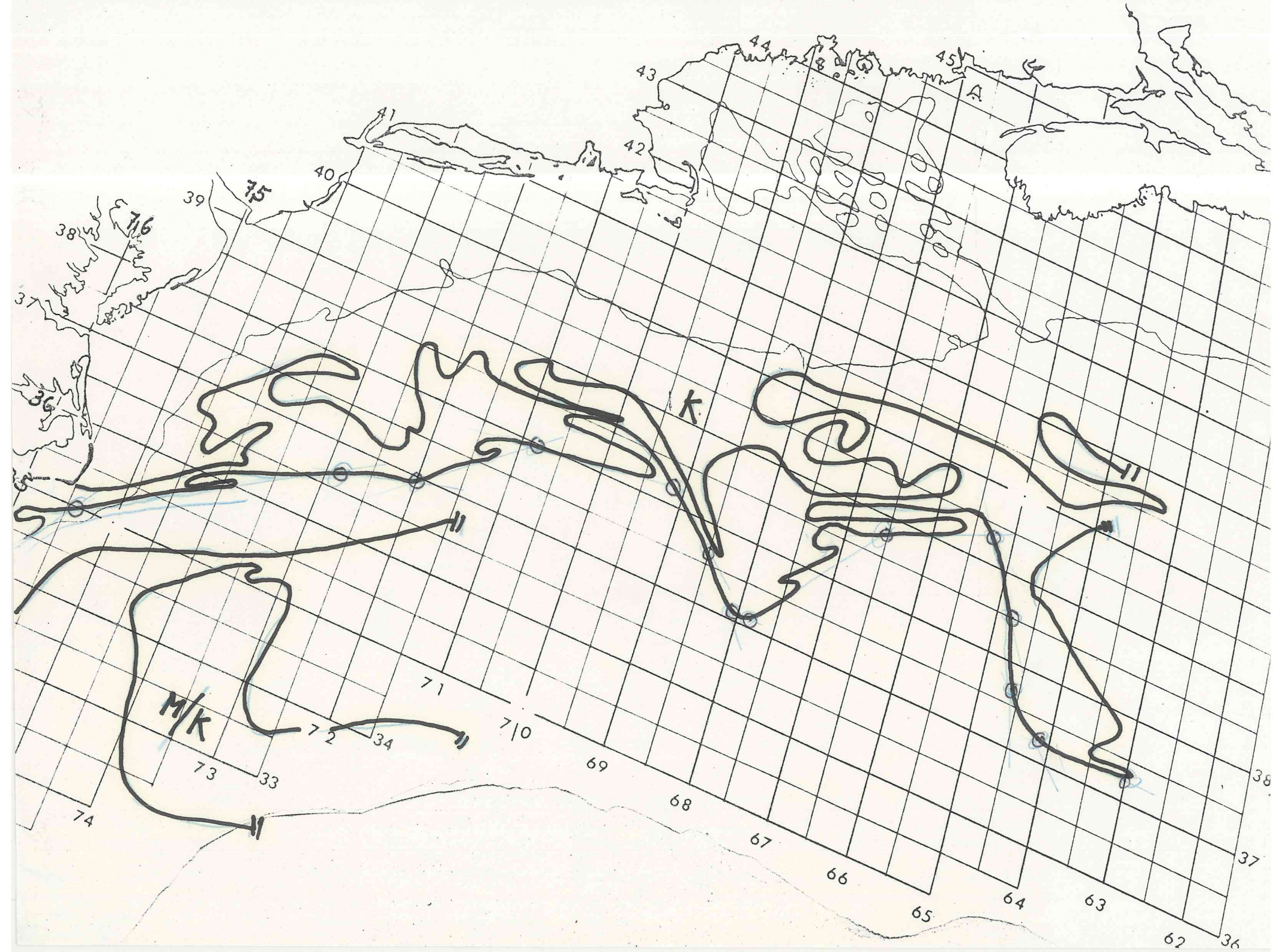
VK very cold
 K cold
 M mixed
 W warm

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

NEXT UPDATE
13 NOV 81



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



1981 NOV 11 PM 1:12

ABV

ZCZC MIAGLMMIA

TEXX40 111745

MIAGLMMIA

MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT
11 NOV 1981

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

215865 220865 229868 230867 246874 255872 261870 267856 264846
260842 255841 248843 239847 235845 235839 239830 244815 248806
251802 260800. DATA ARE CURRENT ALONG THE WESTERN BOUNDARY SOUTH
OF 25.5N...AND THROUGH KEYS FROM 24.5N TO 25.0N. REMAINDER BASED
ON DATA FROM 09 NOV 81.

THREE WARM EDDIES ARE OBSERVED IN THE GULF OF MEXICO... ONE CENTRED
NEAR 27.5N 85.5W ABOUT 100 NM IN DIAMETER... A SECOND BOUNDED BY THE
POINTS 276839 270830 260826 257820 246821 241835 255836 272841
276839... A THIRD CENTRED NEAR 27N90W ABOUT 120 NM IN DIAMETER.

MIAMI SFSS SELECTED GULFSTREAM DATA FOR NOAA WEATHER RADIO...
A83/46/M/27. B87/36/M/27. C90/56/M/27. D94/47/M/27. E90/46/M/27.
F80/29/M/27. G56/31/M/27. H27/41/M/27. I36/70/M/28. J21/53/M/28.
K14/43/M/28. L05/53/M/28. M09/60/M/28. N07/45/M/28. O00/44/M/28.
P06/51/M/28. Q09/44/M/28. R11/64/M/28. S17/61/M/28. U45/52/M/28.

A MEANDER IS OBSERVED ALONG THE SHOREWARD EDGE OF THE GULFSTREAM
FROM A TO F... WITH AN INSIDE FRONT 59 NM SOUTHEAST OF A... 58 NM
SOUTHEAST OF B... 65 NM EAST OF C... 68 NM EAST OF D... 62 NM EAST OF E
AND 48 NM EAST OF F.

POSITIONS FOR I THROUGH K AND FOR P AND Q ARE CURRENT... REMAINDER
ARE BASED ON DATA FROM 09 NOV 81.

BAIG

NW ↓

GULF STREAM SYSTEM FLOW CHART # 2450

NOAA Miami SFSS

GULF STREAM SYSTEM FLOW CHART # 2450

Date: 13 NOV 1981

215864 227867 240874 249877 256879
259876 262865 265860 265847 264844
260843 252843 245845 240847 236846
234842 239830 242820 244813 250802
252801 260800 || _____

270799 282799 299801 310796 319789
320784 336764 353730 368728 370720
379710 382691 370678 380675 36
385667 392655 391650 375645
373640 373630 375626 // SNR 35

Depicted land should not be used for navigation.

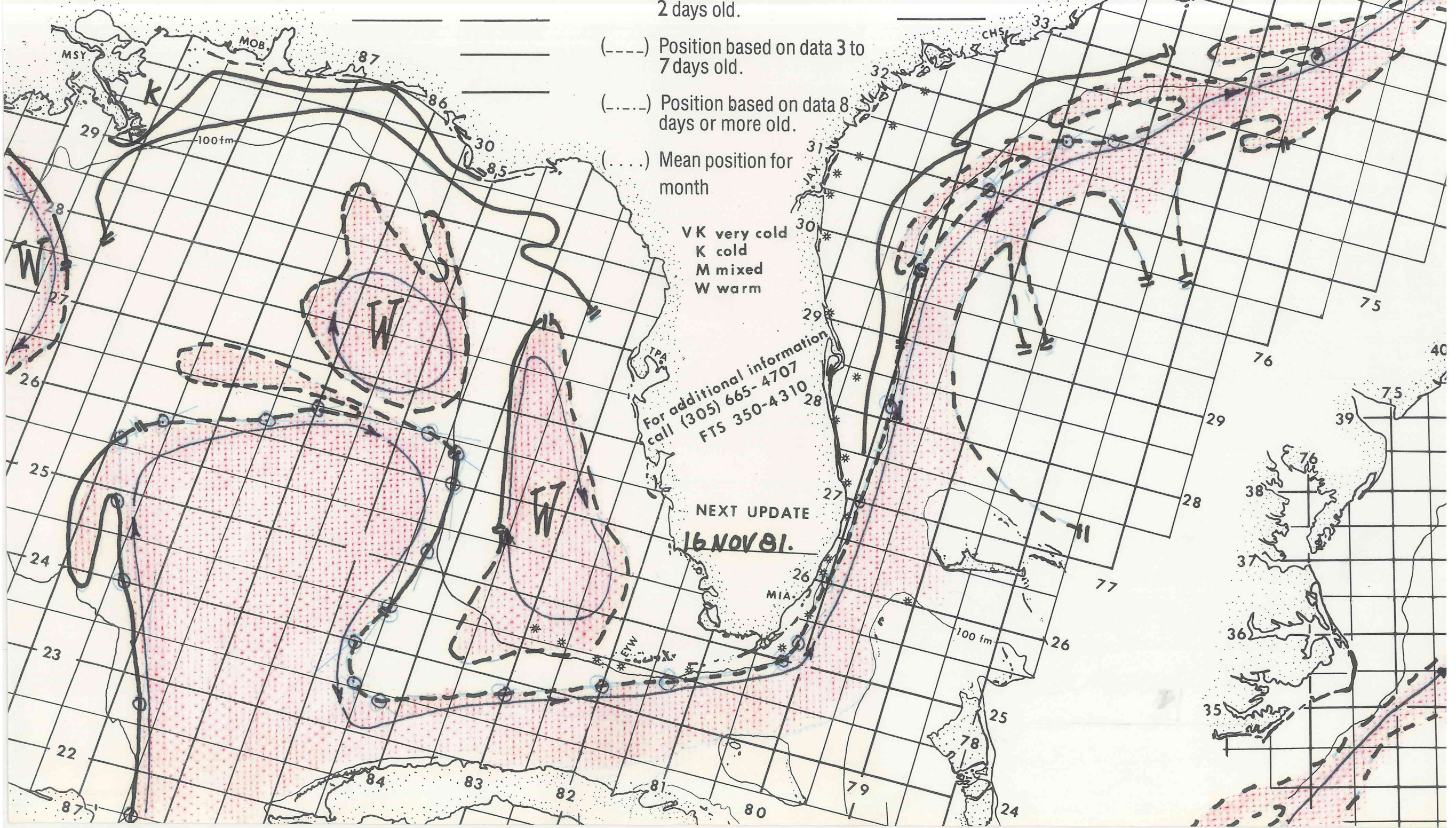
Position lines are for the edges of warmer water. The thin streamline is an estimated location for the maximum current. Measured current speeds may be shown.

- (____) 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

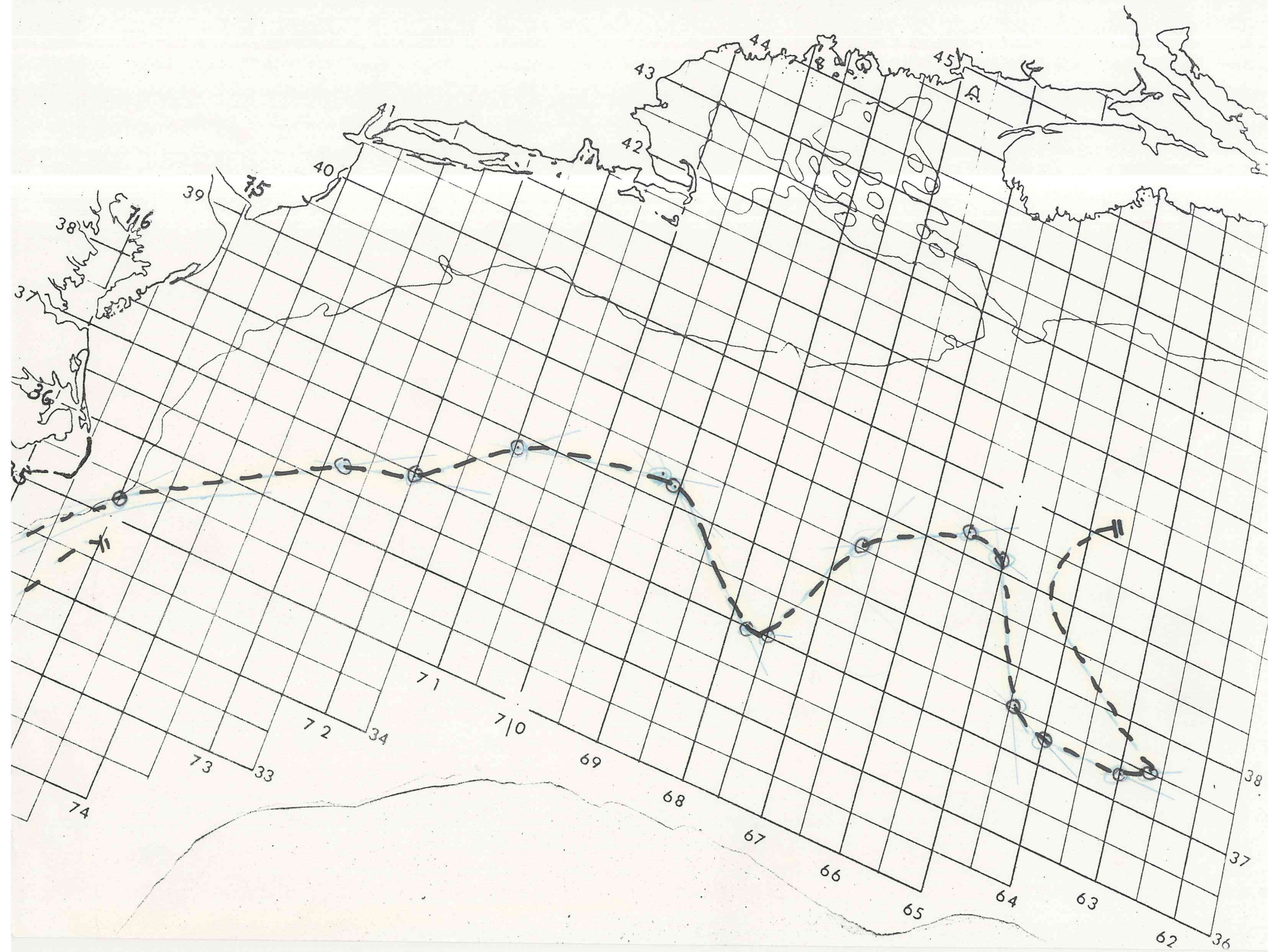
VK very cold
 K cold
 M mixed
 W warm

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

NEXT UPDATE
16 NOV 81.



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



NN NN JV

ZCZC

SKNT 1 KWBC 132055

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	29.9/80.0	31.0/79.6
31.5/79.3	32.0/78.2	33.6/76.4	35.3/75.0
36.8/72.3	37.0/72.0	37.9/71.0	38.2/69.1
37.3/68.4	38.0/67.5	38.5/66.7	37.5/65.0

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

COLD EDDIESO 37.2/58.6/45 NMI. DIAM 39.0/44.6/50 NMI DIAM.
27.0/89.5/120 NMI. DIAM.

WARM EDDIESO 39.5/63.3/140 NMI. DIAM. 45.2/47.7/55 NMI. DIAM.
27.0/89.5/120 NMI. DIAM.
27.8/85.5/90 NMI. DIAM.

LATEST SATELLITE DATAO 11/13/81 131200Z

NNNN

NNNN

ZCZC NIAGLNNIA

TRXX40 131630

1981 NOV 13 AM 11:46

NIAGLNNIA

MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT

13 NOV 1981

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

215864 227867 240874 249877 256879 259876 262865 265860 265847
264844 260843 252843 245845 240847 236846 234842 239830 242820
244813 250802 252801 260800. DATA ARE CURRENT ALONG THE WESTERN
BOUNDARY SOUTH OF 26N. REMAINDER OF POSITIONS BASED ON DATA FROM
09 NOV 81.

THREE WARM EDDIES ARE OBSERVED IN THE GULF OF MEXICO...ONE CENTRED
NEAR 27.5N 85.5W ABOUT 100 NM IN DIAMETER...A SECOND BOUNDED BY THE
POINTS 276839 270830 260826 257820 246821 241835 255836 272841
276839...A THIRD CENTRED NEAR 27N90W ABOUT 120 NM IN DIAMETER.

MIAMI SFSS SELECTED GULFSTREAM DATA FOR NOAA WEATHER RADIO...
A85/37/W/27. B85/40/W/27. C96/49/W/27. D97/47/W/27. E90/50/W/27.
F72/36/W/27. G53/36/W/27. H25/44/W/27. I35/56/W/28. J21/52/W/28.
K12/44/W/28. L06/51/W/28. M08/52/W/28. N06/44/W/28. O00/44/W/28.
P06/47/W/28. Q07/43/W/28. R13/67/W/28. S22/57/W/28. U46/52/W/28.

A MEANDER IS OBSERVED ALONG THE SHOREWARD EDGE OF THE GULFSTREAM
FROM A TO F...WITH AN INSIDE FRONT 59 NM SOUTHEAST OF A...56 NM
SOUTHEAST OF B...65 NM EAST OF C...68 NM EAST OF D...64 NM EAST OF E
AND 53 NM EAST OF F.

POSITIONS FOR G O ARE CURRENT...REMAINDER ARE BASED ON DATA FROM
09 THROUGH 11 NOV 81.

BTIG

GULF STREAM SYSTEM FLOW CHART # 2450

NOAA Miami SFSS

GULF STREAM SYSTEM FLOW CHART # 2450

Date: 16 NOV 1981

215864 219864 234870 244875 253884
 260876 262865 261858 262852 270845
 262842 253843 245844 235849 229852
 227850 235838 242829 243820 249804
 255806 260799//

270799 305800 319788 324775 333769
 342758 347757 369728 370718 380704
 383692 382687 369675 387661 36
 391654 390650 375642 373639
 373625// 8M

Depicted land should not be used for navigation.

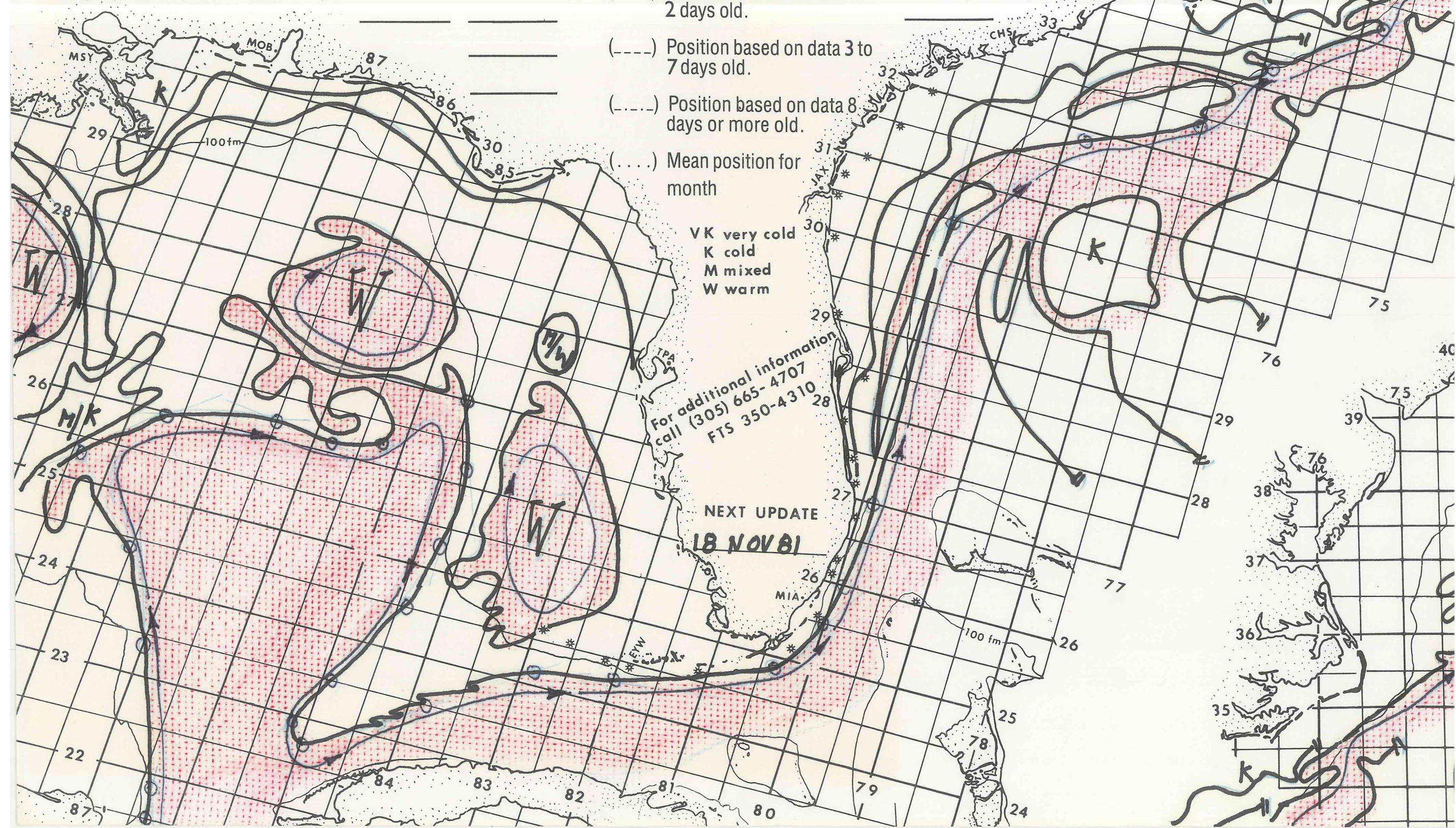
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- (- - -) Position based on data 3 to 7 days old.
- (. . . .) Position based on data 8 days or more old.
- (. . . .) Mean position for month

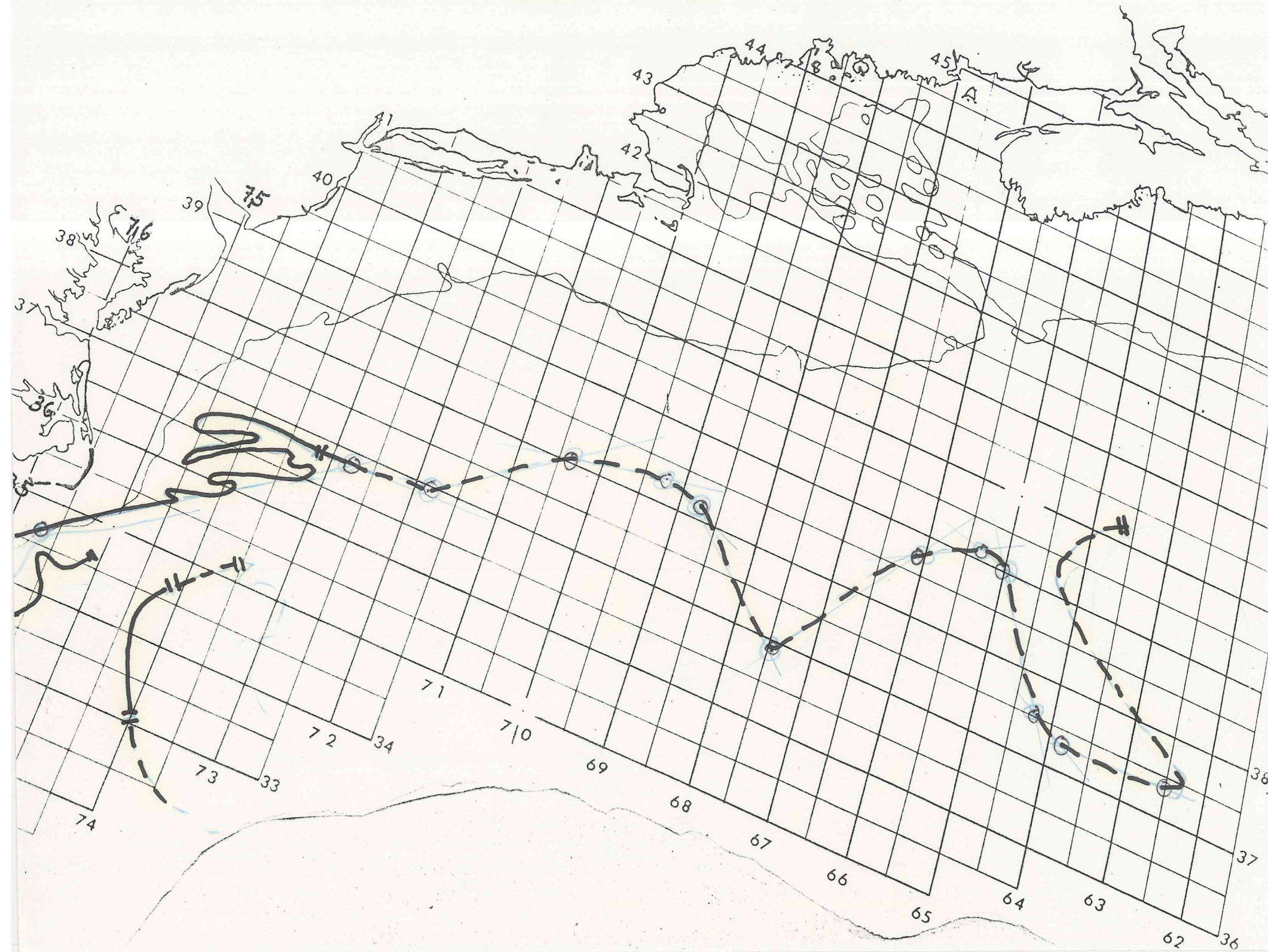
VK very cold
 K cold
 M mixed
 W warm

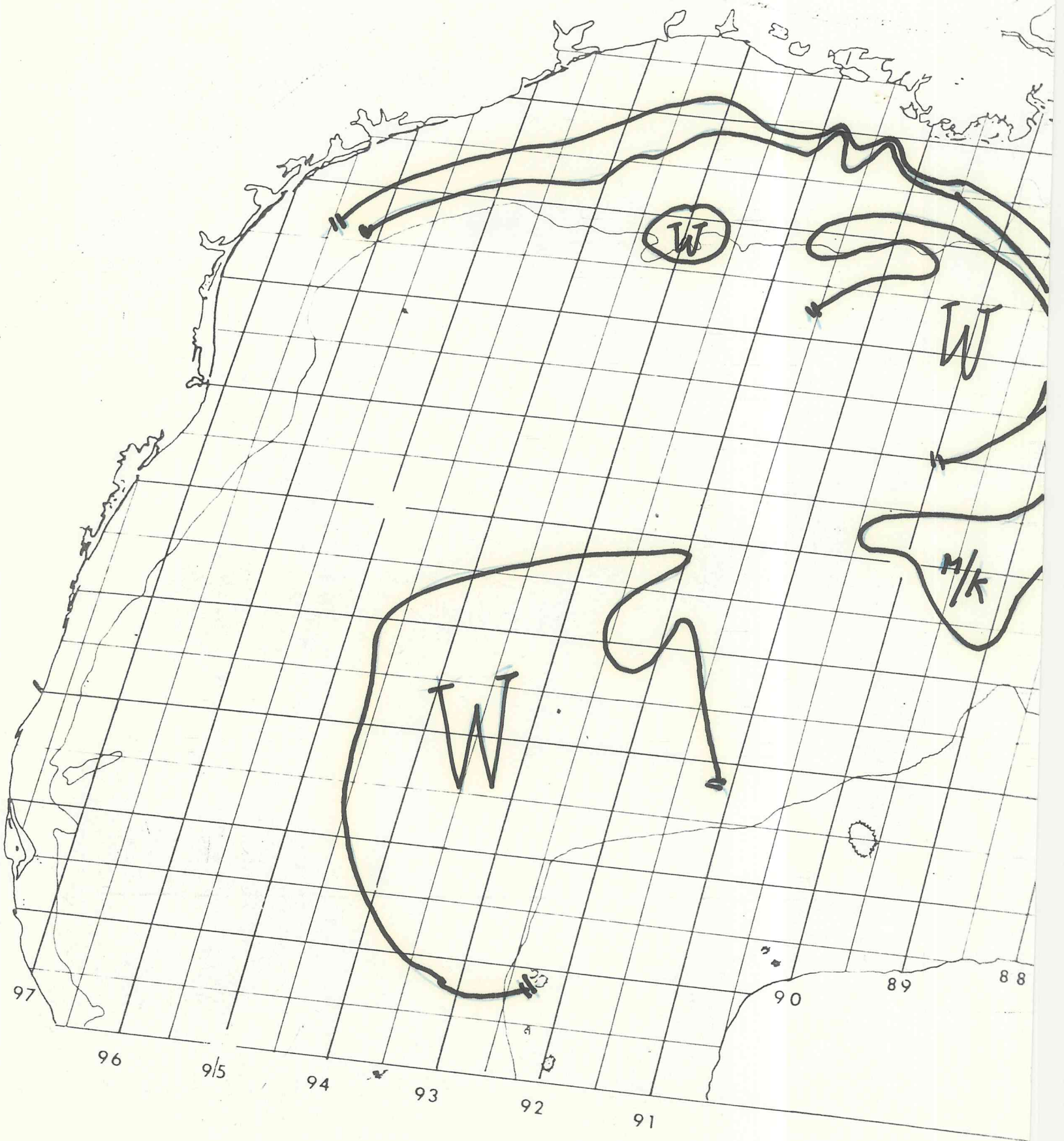
For additional information
 call (305) 665-4707
 FTS 350-4310

NEXT UPDATE
18 NOV 81



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





NNNN

ZCZC NTAGLMMIA

UNUS00 KNHC 161800

TRXX40 161700

NTAGLMMIA

MIAMI SFS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT P112: 12

16 NOV 1981

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

215864 219864 234870 244875 253884 260876 262865 261858 262852
270845 262842 253843 245844 235849 229852 227850 235838 242829
243820 249804 255800 260799. DATA ARE CURRENT.

THREE WARM EDDIES ARE OBSERVED IN THE GULF OF MEXICO...ONE CENTRED
NEAR 27.5N 85.5W ABOUT 100 NM IN DIAMETER...A SECOND BOUNDED BY THE
POINTS 276839 270830 260826 257820 246821 241835 255836 272841
276839...A THIRD CENTRED NEAR 27N90W ABOUT 120 NM IN DIAMETER.
MIAMI SFS SELECTED GULFSTREAM DATA FOR NOAA WEATHER RADIO...

R87/26/W/27. R80/41/W/27. C94/55/W/27. D96/54/W/27. E85/36/W/27.
F76/30/W/27. G60/50/W/27. H29/47/W/27. I35/46/W/27. J20/48/W/27.
K14/41/W/27. L10/47/W/27. M11/45/W/27. N11/41/W/27. O07/36/W/27.
P05/50/W/27. Q05/52/W/27. R09/64/W/27. S14/60/W/27. U32/63/W/27.

A MEANTER IS OBSERVED ALONG THE SHOREWARD EDGE OF THE GULFSTREAM
FROM A TO H...WITH AN INSIDE FRONT 59 NM SOUTHEAST OF A...59 NM
SOUTHEAST OF B...61 NM EAST OF C...67 NM EAST OF D...65 NM EAST OF E
... 56 NM EAST OF F...34 NM EAST OF G...AND 11 NM EAST OF H.
POSITIONS ARE BASED ON CURRENT DATA.

BT

GULF STREAM SYSTEM FLOW CHART # 2450

NOAA Miami SFSS

GULF STREAM SYSTEM FLOW CHART # 2450

Date: 18 NOV 1981

215865 220865 230871 236875 245880
260879 264870 265858 263855 260842
254842 246845 235851 230847 232843
241834 245825 244816 247807 253802
260800 | _____ | _____ | _____ | _____

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.

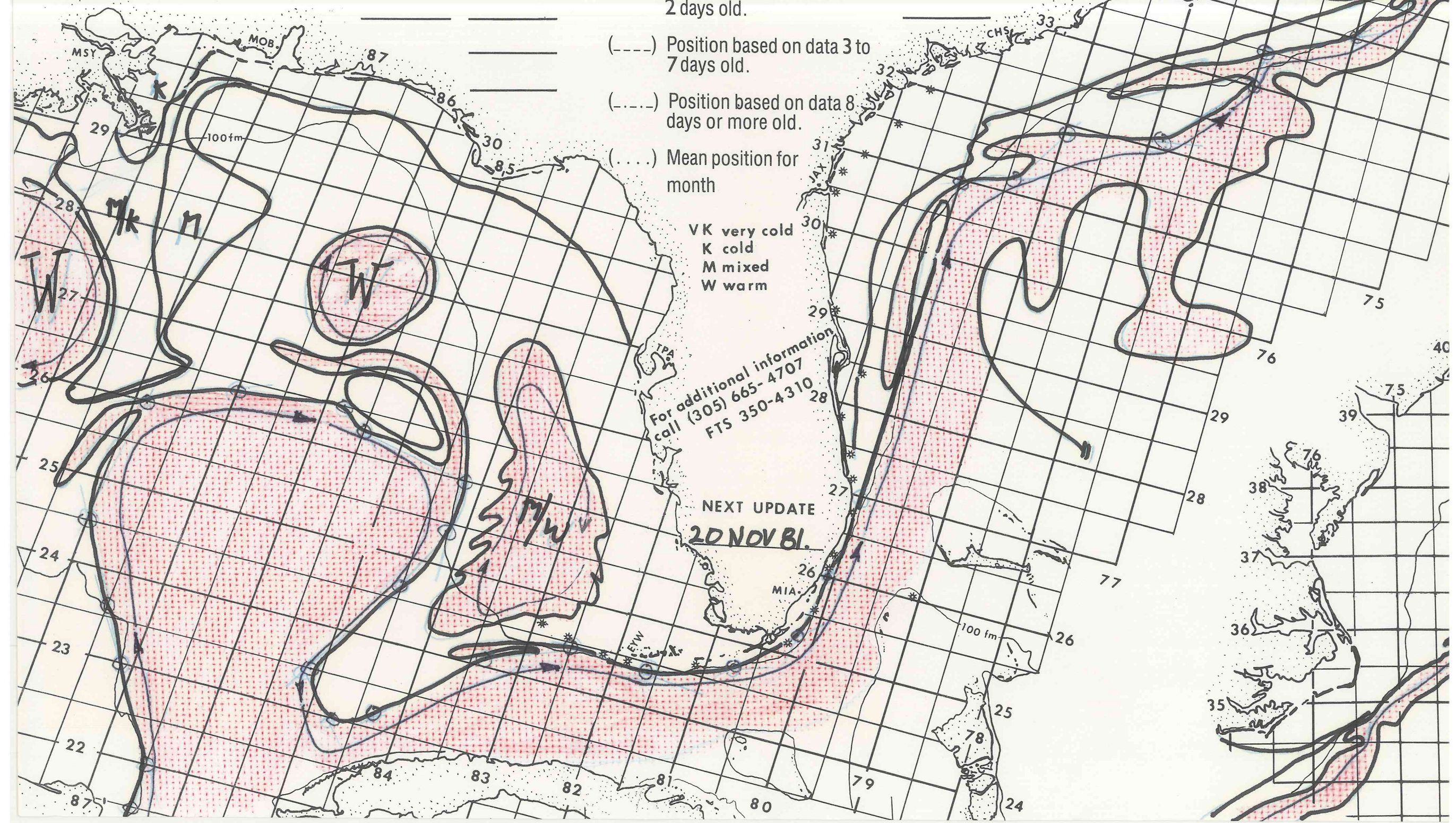
270800 310800 312794 319790 321779
330770 335769 340760 346754 350752
366731 369724 380706 375680 36
372669 376656 365630 367625
376620 379617 | SUP

- (——) 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

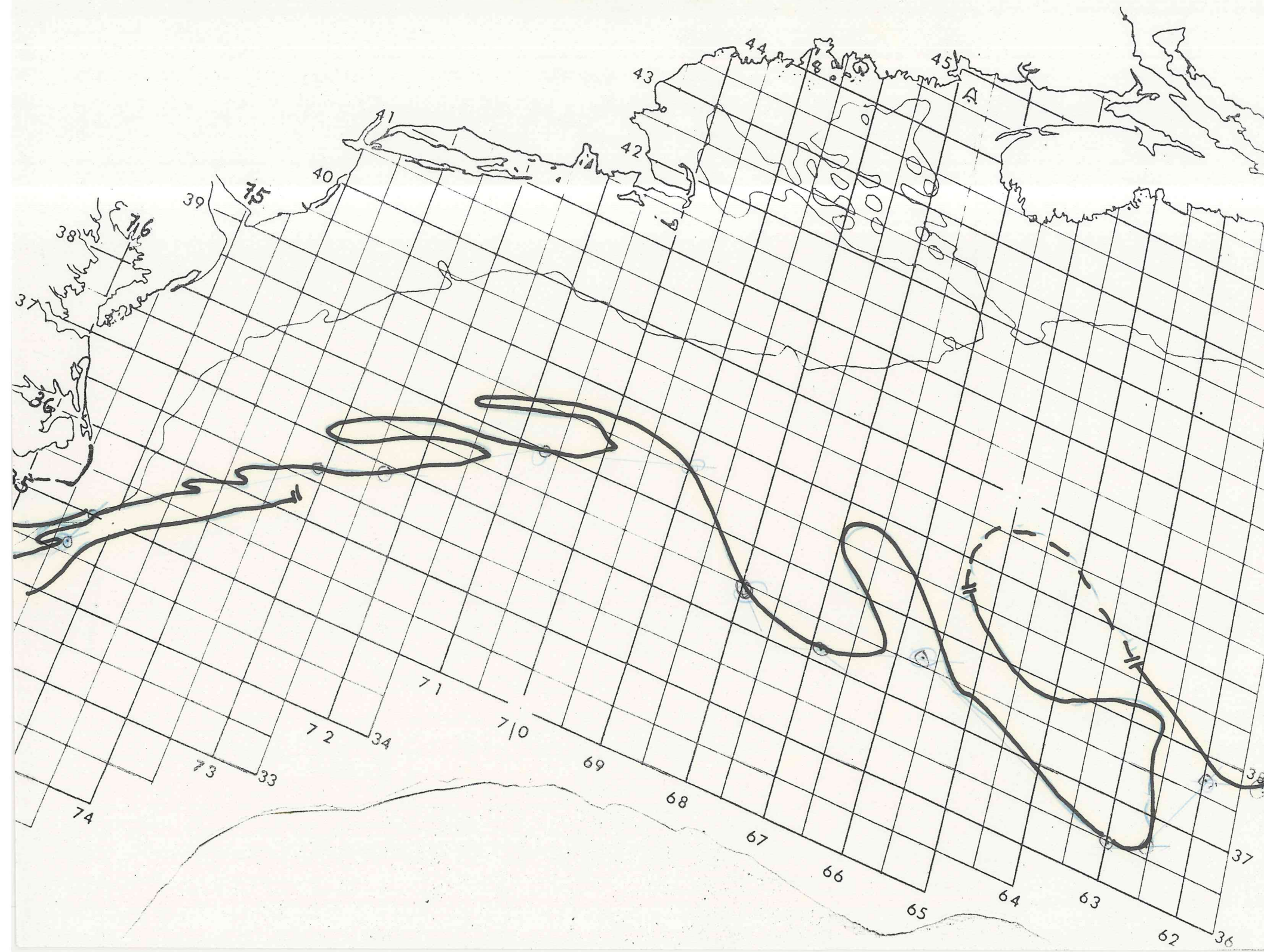
VK very cold
 K cold
 M mixed
 W warm

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

NEXT UPDATE
20 NOV 81.



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



NNNN↓↓A
ZCZC WBC490
TBXX40 KMIA 181830
↑MIAGLMMIA
MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO OOP CURRENT
18 N V 1981.

CODED POINTS GIVE LATITUDE/LONITUDE ULON . HE COASTWARD
EDGE OF THE WARMER WATER....

215865 ↑20865 230871 236875 245880 260879 264870 265855 263855
260842 254842 246845 235851 230847 232843 241834 245825 244816
247807 253802 260800. DATA ARA CURRENT.9

THREE WARM EDDIES ARE OBSERVED IN THE GULF OF MEXICO..ONE CENTRED
NEAR 28.0N 86.0W ABOUT 100 NM IN DIAMETER..A SECOND BOUNDED BY THE
POINTS 276839 270830 260826 257820 246821 241835 255836 272841
276839..A THIRD CENTRED NEAR 27N 90W ABOUT 120 NM IN DIAMETER.

MIAMI SFSS SELECTED GULFSTREAM DATA FOR NOAA WEATHER RADIO...9
A70/50/M/27. B77/50/M/27. C72/80/M/27. D78/85/M/27. E84/50/M/27.9
F75/34/M/27. G57/50/M/27. H24/58/M/27. I30/61/M/27. J15/58/M/27.
K10/46/M/27. L02/54/M/27. M05/54/M/27. N02/51/M/27. O00/44/M/27.
P00/58/M/27. Q05/52/M/27. R04/70/M/27. S01/79/M/27. U21/76/M/27.9

A MEANDER IS OBSERVED ALONG THE SHOREWARD EDGE OF THE GULFSTREAM
FROM D TO H...WITH AN INSIDE FRONT 46 NM SOUTHEAST FB...70 NM EAST
OF D...64 NM EAST OF E...54 NM EAST OF F...37 NM EAST OF G...AN 4
NM EAST OF H. A THIRD MEANDER IS OBSERVED ALONG THE SHOREWARD EDGE OF THE
GULFSTREAM IN THE WESTERN FLORIDA STRAITS...WITH AN INSIDE FRONT 15 NM
SOUTH OF U. WEST OF U THE SHOREWARD EDGE OF THE GULFSTREAM ENDS
SOUTHWESTERLY TOWARDS THE YUCATAN PENINSULA.

BAIG

NNNN

ZCZC MIAGLMMIA

TRXX40 KMTA 181830

1981 NOV 18 PM 2:08

MIAGLMMIA

MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT

18 NOV 1981.

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

245865 220865 230871 236875 245880 260879 264870 265855 263855
260842 254842 246845 235851 230847 232843 241834 245825 244816
247807 253802 260800. DATA ARE CURRENT.

THREE WARM EDDIES ARE OBSERVED IN THE GULF OF MEXICO. ONE CENTRED
NEAR 28.0N 86.0W ABOUT 100 NM IN DIAMETER. A SECOND BOUNDED BY THE
POINTS 276839 270830 260826 257820 246821 241835 255836 272841
276839. A THIRD CENTRED NEAR 27N 90W ABOUT 120 NM IN DIAMETER.

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

A70/50/W/27. B77/50/W/27. C72/80/W/27. D78/85/W/27. E84/50/W/27.
F75/34/W/27. G57/50/W/27. H24/58/W/27. I30/61/W/27. J15/58/W/27.
K10/46/W/27. L02/54/W/27. M05/54/W/27. N02/51/W/27. O00/44/W/27.
P00/58/W/27. Q05/52/W/27. R04/70/W/27. S01/79/W/27. U21/76/W/27.

A MEANDER IS OBSERVED ALONG THE SHOREWARD EDGE OF THE GULFSTREAM
FROM D TO H... WITH AN INSIDE FRONT 46 NM SOUTHEAST OF R... 70 NM EAST

OF D... 64 NM EAST OF E... 54 NM EAST OF F... 37 NM EAST OF G... AN

D 14

NM EAST OF H. ANOTHER MEANDER IS LOCATED ALONG THE SHOREWARD EDGE OF
THE

GULF STREAM IN THE WESTERN FLORIDA STRAITS... WITH AN INSIDE FRONT 15
NM

SOUTH OF U. WEST OF U THE SHOREWARD EDGE OF THE GULFSTREAM TENDS
SOUTHWESTERLY TOWARDS THE YUCATAN PENINSULA.

DATA

GULF STREAM SYSTEM FLOW CHART # 2450

NOAA Miami SFSS

GULF STREAM SYSTEM FLOW CHART # 2450

Date: 20 NOV 1981

216855 228870 261878 265872 264858
 263850 258841 252842 238850 229848
 229846 241833 244819 245812 250804
 253802 260800//

270800 307800 310798 320784 323774
 331768 350752 365735 369723 386693
 373669 377654 365629 366621//814

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.

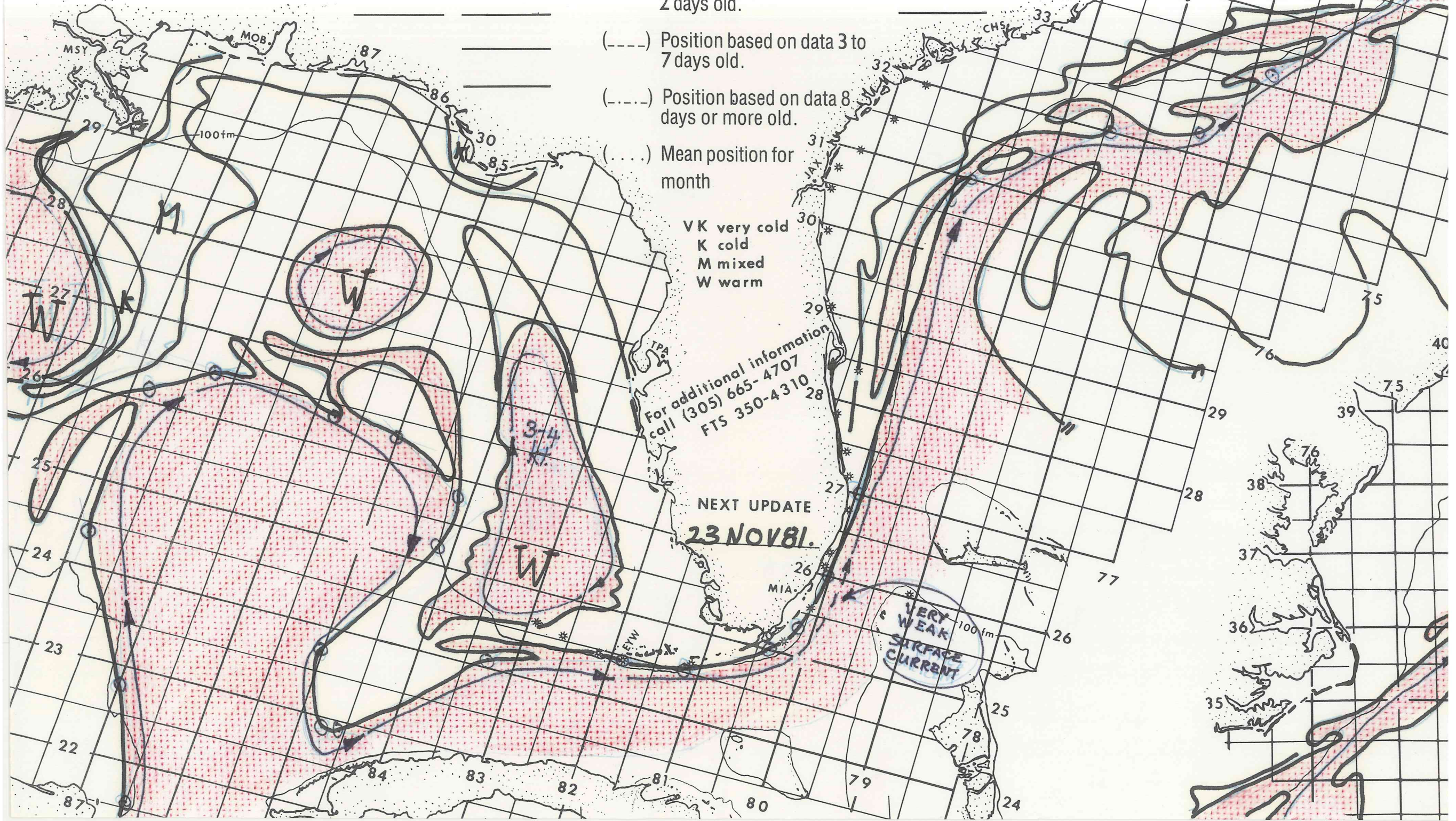
- (——) Position based on data 0 to 2 days old.
- (----) Position based on data 3 to 7 days old.
- (.....) Position based on data 8 days or more old.
- (....) Mean position for month

VK very cold
 K cold
 M mixed
 W warm

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

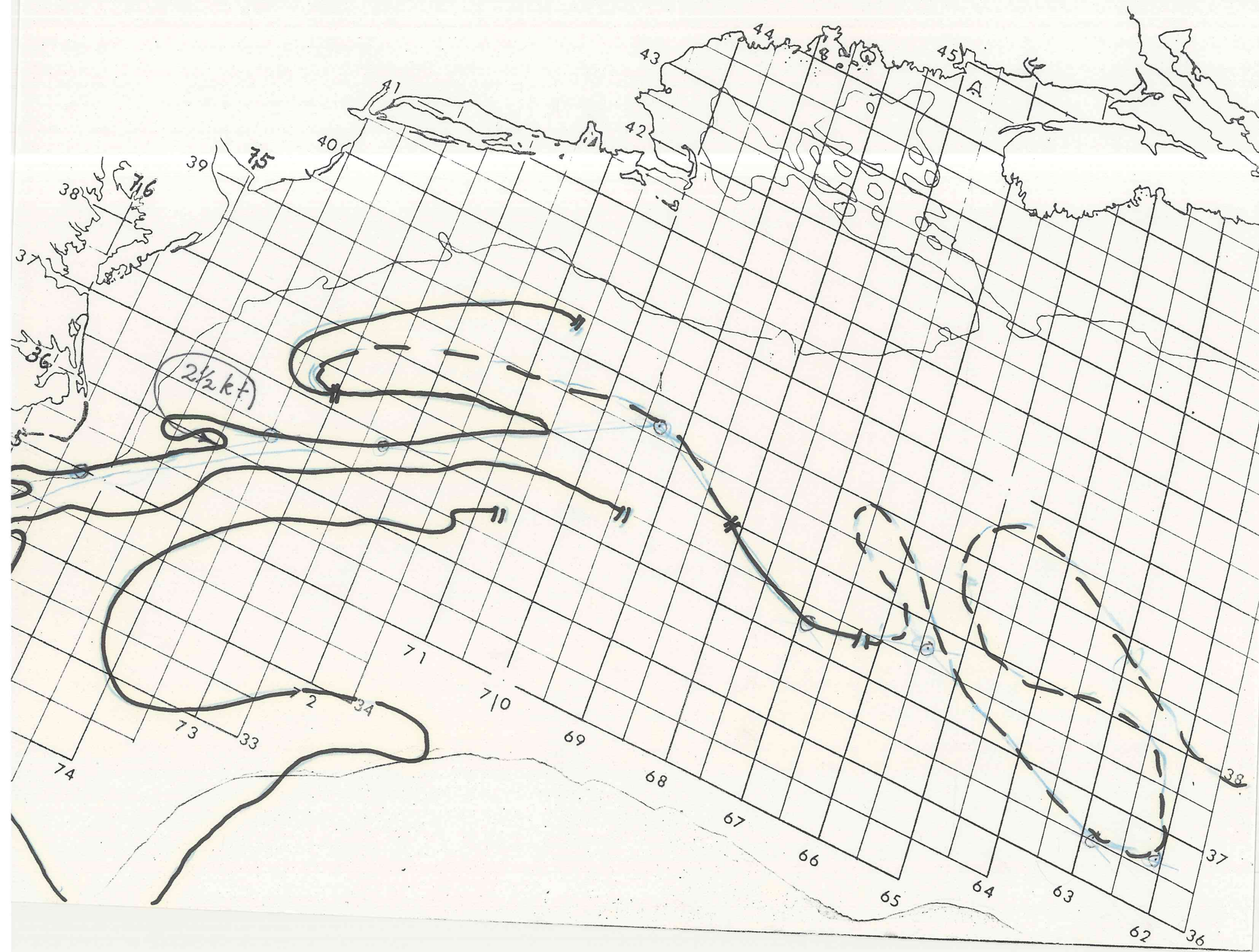
NEXT UPDATE
23 NOV 81.

VERY WEAK SURFACE CURRENT



MIAMI SFSS ANALYSIS OF THE GULF STREAM: 20 Nov 1981.

PART B



1981 NOV 20 PM 1:42

NNNN
ZCZC NTAGLNTA
W00500 KNHC 201900
TRXX40 KMTA 201830
*NTAGLNTA

NTANT SFS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT
20 NOV 1981.

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

216865 228870 261878 265872 264858 263850 258841 252842 238850
229848 229846 241833 244819 245812 250804 253802 260800.

DATA ARE CURRENT.

THREE WARM EDGES ARE OBSERVED IN THE GULF OF MEXICO. ONE CENTRED
NEAR 28.0N 86.0W ABOUT 100 NM IN DIAMETER. A SECOND BOUNDED BY THE
POINTS 276839 270830 260826 257820 246821 241835 255836 272841
276839. A THIRD CENTRED NEAR 27N 90W ABOUT 120 NM IN DIAMETER.

NTANT SFS SELECTED GULFSTREAM DATA FOR NOAA WEATHER BATHY...

A74/44/W/27. B78/60/W/27. C79/45/W/27. D84/47/W/27. E83/44/W/27.
F75/35/W/27. G56/55/W/27. H25/60/W/27. I30/59/W/27. J18/58/W/27.
K12/44/W/27. L05/52/W/27. M05/51/W/27. N05/47/W/27. O00/44/W/27.
P00/56/W/27. Q04/50/W/27. R00/71/W/27. S00/74/W/27. U27/70/W/27.

A MEANDER IS OBSERVED ALONG THE SHOREWARD EDGE OF THE GULFSTREAM
FROM R TO H... WITH AN INSIDE FRONT 63 NM SOUTHEAST OF A. 70 NM
SOUTHEAST OF B. 67 NM EAST OF C. 67 NM EAST OF D. 57 NM EAST OF E.
50 NM EAST OF F. 35 NM EAST OF G. AND 11 NM EAST OF H.

A THIN MEANDER IS LOCATED ALONG THE SHOREWARD EDGE OF THE GULF
STREAM IN THE WESTERN FLORIDA STRAITS... WITH AN INSIDE FRONT 17 NM
SOUTH OF U.

WEST OF U THE SHOREWARD EDGE OF THE GULFSTREAM TENDS SOUTHWESTERLY
TOWARDS THE YUCATAN PENINSULA.

RELIABLE OBSERVERS REPORT VERY WEAK SURFACE CURRENTS BETWEEN W AND
O.

DATA ARE CURRENT.

BT

GULF STREAM SYSTEM FLOW CHART # 2450

NOAA Miami SFSS

GULF STREAM SYSTEM FLOW CHART # 2450

Date: **23 NOV 1981**

215865 222866 230871 240876 246879
 255879 263872 265868 265857 264849
 258841 253842 245846 235851 230849
 229846 234837 238831 242829 244822
 245813 250803 254801 260800 // **SLP**

270800 289800 303801 308800 319789
 318782 323774 323769 329767 333763
 345757 364735 368723 374715 36
 378705 383700 385690 376677
 374668 374654 370645
 367632 370626 // **SLP**

Depicted land should not be used for navigation.

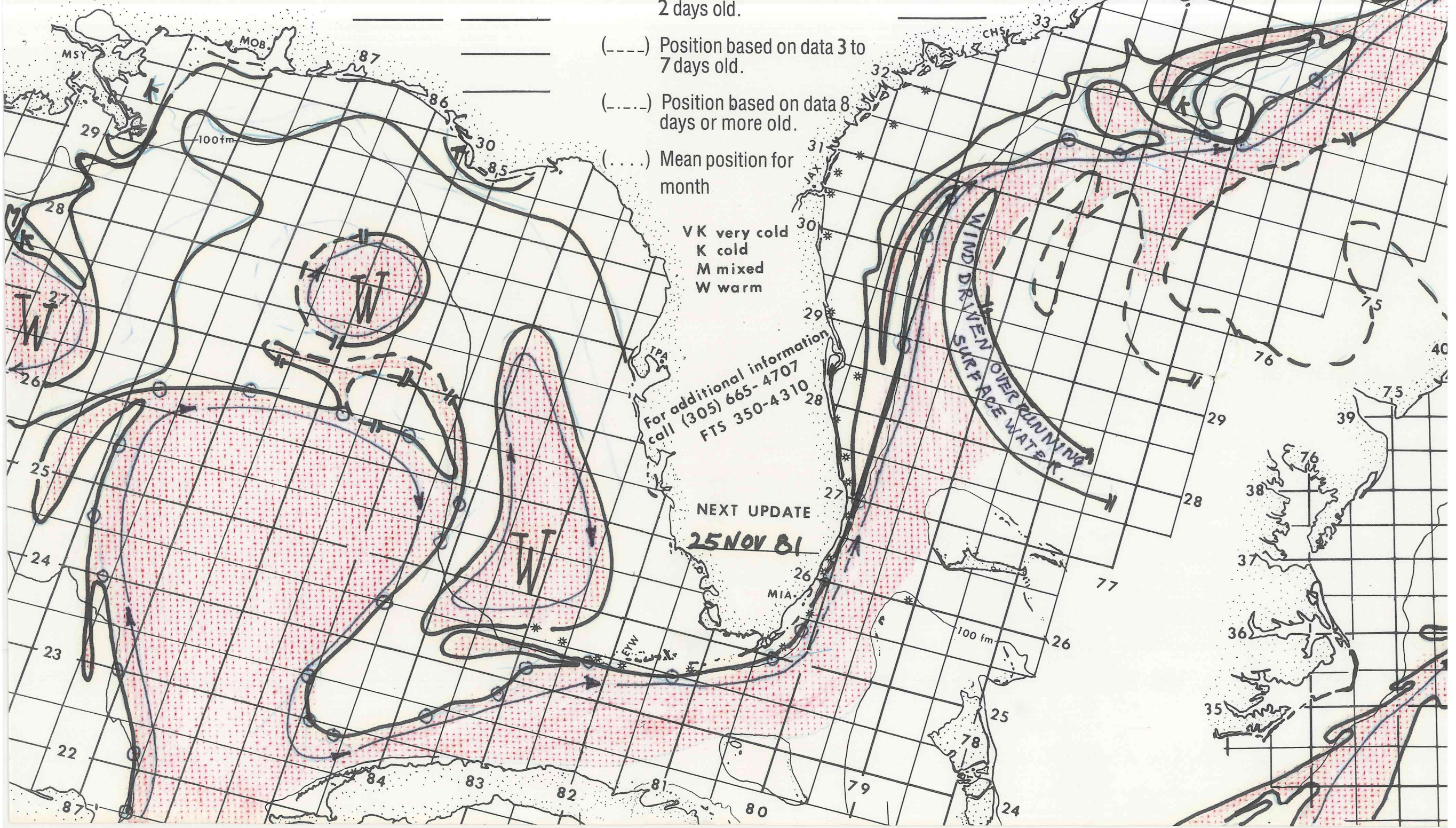
Position lines are for the edges of warmer water. The thin streamline is an estimated location for the maximum current. Measured current speeds may be shown.

- (——) 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

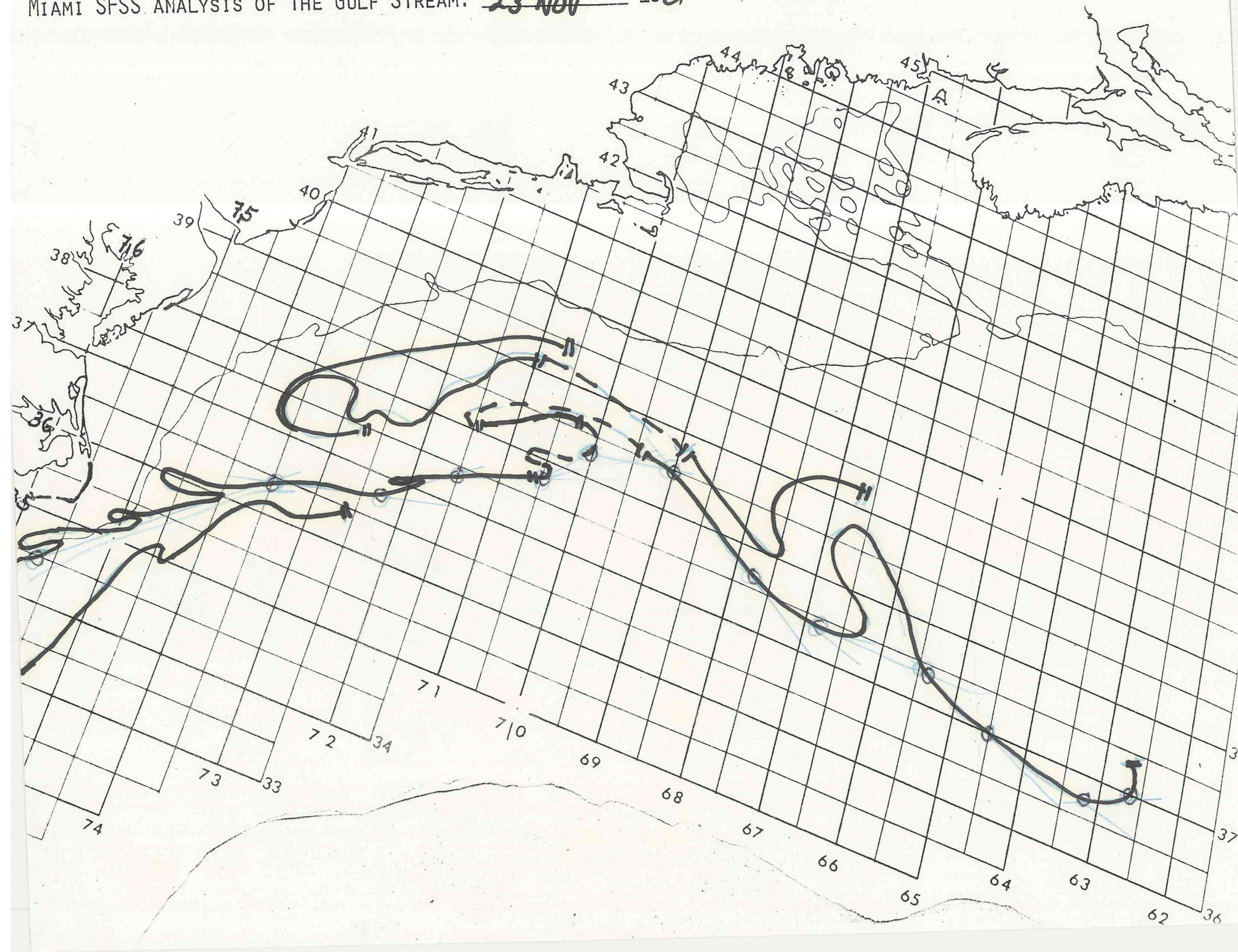
VK very cold
 K cold
 M mixed
 W warm

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

NEXT UPDATE
25 NOV 81



MIAMI SFSS ANALYSIS OF THE GULF STREAM: 23 Nov 1981 PART B



1981 NOV 23 PM 12:06

NNNN
ZCZC MIAGLMMIA

TRXX40 KMTA 231645
MIAGLMMIA
MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT
23 NOV 1981.

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

215865 222866 230871 240876 246879 255879 263872 265868 265857
264849 258841 253842 245846 235851 230849 229846 234837 238831
242829 244822 245813 250803 254801 260800. DATA ARE CURRENT.

THREE WARM EDDIES ARE OBSERVED IN THE GULF OF MEXICO..ONE CENTRED
NEAR 28.0N 86.0W ABOUT 100 NM IN DIAMETER..A SECOND ROUNDED BY THE
POINTS 276839 270830 260826 257820 246821 241835 255836 272841
276839..A THIRD CENTRED NEAR 27N 90W ABOUT 120 NM IN DIAMETER.

MIAMI SFSS SELECTED GULFSTREAM DATA FOR NOAA WEATHER RATO...
A72/58/W/27. B69/75/W/27. C74/59/W/27. D80/54/W/27. E76/54/W/27.
F67/51/W/27. G54/66/W/27. H26/67/W/27. I33/56/W/27. J17/58/W/27.
K12/44/W/27. L03/55/W/27. M04/50/W/27. N03/55/W/27. O00/44/W/27.
P00/59/W/27. Q05/53/W/27. R04/70/W/27. S05/74/W/27. U30/64/W/27.

A MEANDER IS OBSERVED ALONG THE SHOREWARD EDGE OF THE GULFSTREAM
FROM C TO G...WITH AN INSIDE FRONT 57 NM SOUTHEAST OF R..65 NM
EAST OF C..66 NM EAST OF D..61 NM EAST OF E..49 NM EAST OF F..
AND 35 NM EAST OF G.

A PLUME OF WIND DRIVEN OVER RUNNING SURFACE WATER IS OBSERVED ALONG
THE OFFSHORE EDGE OF THE GULFSTREAM BETWEEN C AND G.

A THIN MEANDER IS LOCATED ALONG THE SHOREWARD EDGE OF THE GULF
STREAM IN THE WESTERN FLORIDA STRAITS...WITH AN INSIDE FRONT 13 NM
SOUTH OF U.

WEST OF U THE SHOREWARD EDGE OF THE GULFSTREAM TENDS SOUTHWESTERLY
TOWARDS THE YUCATAN PENINSULA.

RELIABLE OBSERVERS REPORT VERY WEAK SURFACE CURRENTS IN THE REGION
BETWEEN W AND O.
DATA ARE CURRENT.

DATA

GULF STREAM SYSTEM FLOW CHART # 2450

NOAA Miami SFSS

GULF STREAM SYSTEM FLOW CHART # 2450

Date: 25 Nov 1981

215864 220864 229868 235875 246874
250872 259876 265878 268878 267860
265854 260843 254841 246841 236851
232851 230849 234840 239830 242826
244819 245809 247804 253798 256797
260797 / _____

270797 285799 296800 309799 316793
317780 324776 323769 328767 335760
350752 361740 370720 385693 36
374670 374654 366633 367628 /

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

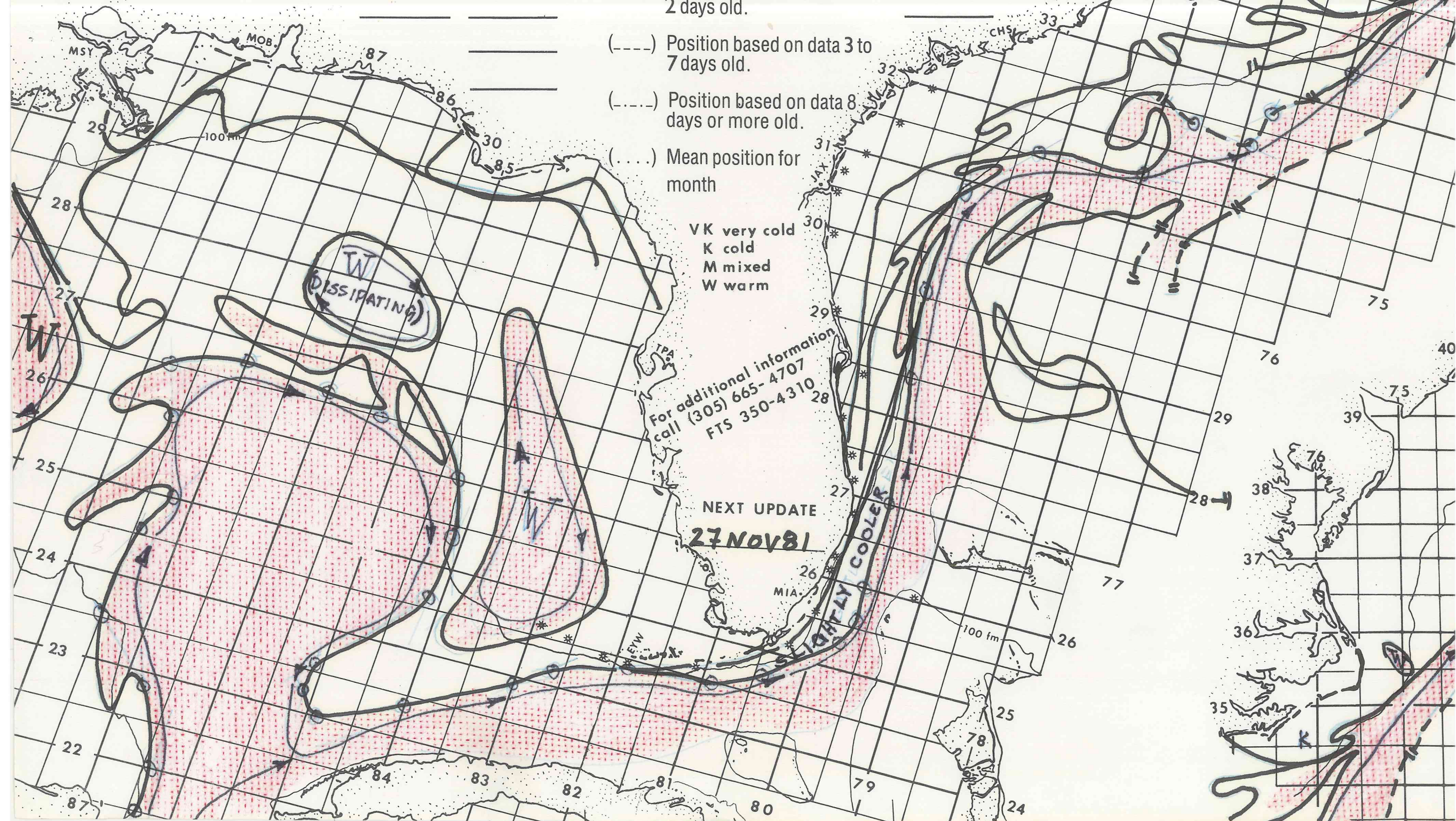
For additional information
 call (305) 665-4707
 FTS 350-4310

NEXT UPDATE

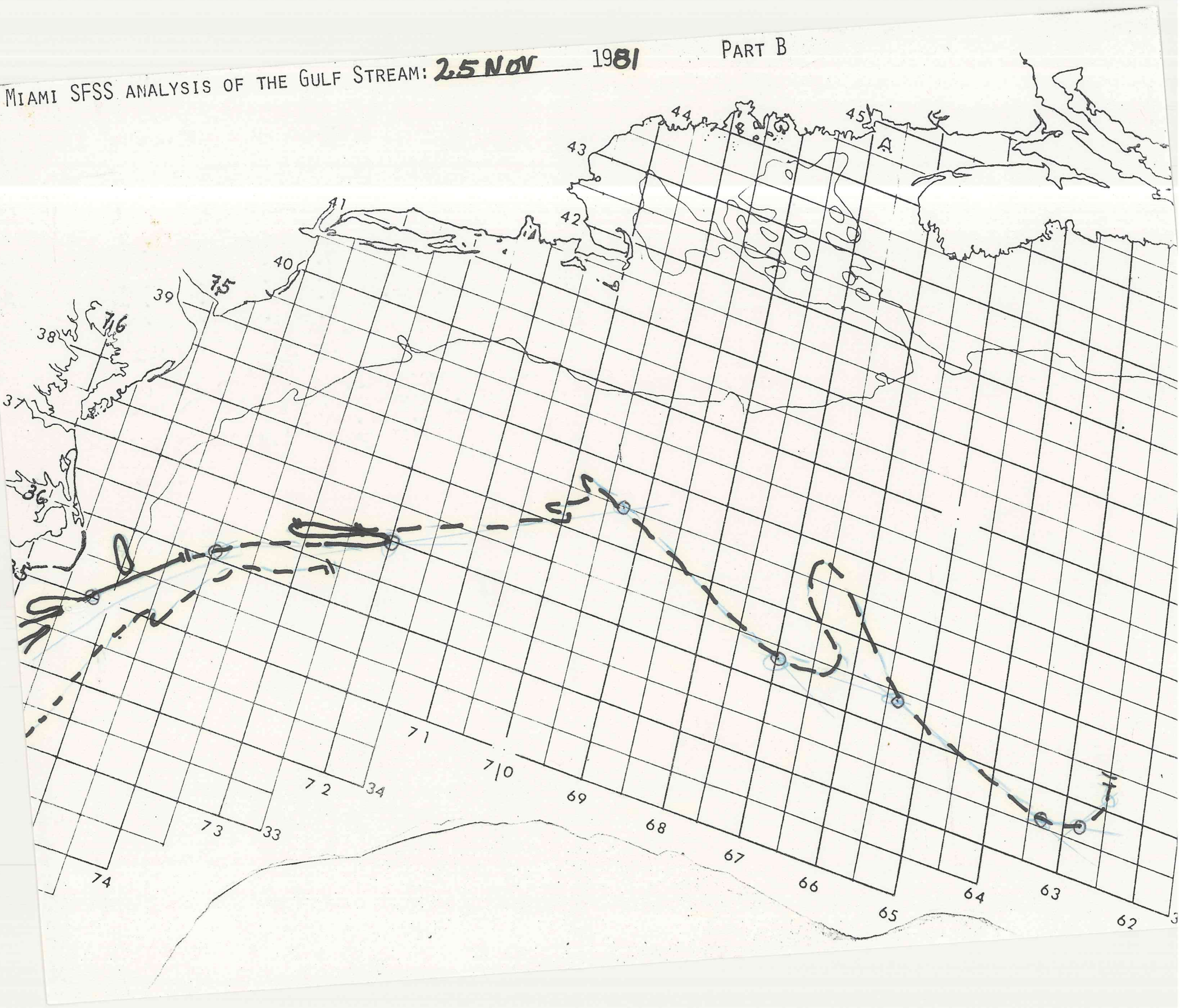
27 Nov 81

MIA

SLIGHTLY COOLER



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



V

ZCZC
SYMT 1 KWBC 252000

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

27.0/79.7	28.5/79.0	29.6/80.0	30.7/80.0
31.6/79.3	31.7/78.0	32.4/77.6	32.3/76.9
33.5/76.0	35.0/75.2	36.1/74.0	37.0/72.0
38.0/70.3	38.0/69.4	37.4/67.0	37.4/66.4
38.5/67.4	39.0/67.0	37.4/65.0	

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

COLD EDDIES	37.8/56.0/40 NMI DIAM	33.4/74.6/55 NMI DIAM
	30.6/76.5/85 NMI DIAM	
WARM EDDIES	27.9/86.2/80 NMI DIAM	25.8/83.1/120 NMI DIAM
	26.0/89.7/120 NMI DIAM	

LATEST SATELLITE DATA 11/25/81 1200Z

NNNN ↓

NNNN

1981 NOV 25 PM 12:49

7070 MIAMI MMTA

TRXX40 KMIA 251630

MIAMI MMTA

MIAMI SESS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT
25 NOV 1981.

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

245864 220864 229868 235875 246874 250872 259876 265878 268878
267868 265854 260843 254841 246841 236851 232851 230849 234848
239838 242826 244819 245809 247804 253798 256797 260797.

DATA ARE CURRENT. NOTE EXTREME OFFSHORE POSITION IN FLORIDA STRAITS.
THREE WARM FRONTS ARE OBSERVED IN THE GULF OF MEXICO. ONE CENTRED
NEAR 28.0N 86.0W ABOUT 100 NM IN DIAMETER. A SECOND BOUNDED BY THE
POINTS 276839 270838 260826 257828 246821 241835 255836 272841
276839. A THIRD CENTRED NEAR 27N 90W ABOUT 120 NM IN DIAMETER.

MIAMI SESS SELECTED GULF STREAM DATA FOR NOAA WEATHER BATHY...
A76/28/W/26. 868/37/W/26. 095/35/W/26. 081/35/W/27. 075/34/W/26.
075/30/W/26. 058/46/W/26. 432/43/W/26. 142/50/W/26. 332/42/W/27.
026/30/W/27. 122/34/W/27. 025/34/W/27. 026/27/W/27. 028/45/W/27.
013/52/W/27. 013/41/W/27. 005/71/W/27. 509/70/W/27. 039/54/W/27.

THE NARROW WIDTH OF THE GULF STREAM IN THE REGION FROM A THROUGH B
IS DUE TO A PLUME OF COOL WATER BETWEEN OVERRUNNING SURFACE WATER
ALONG THE OFFSHORE EDGE OF THE GULF STREAM.

A MEANDER IS OBSERVED ALONG THE SHOREWARD EDGE OF THE GULF STREAM
FROM NEAR E TO G WITH AN INSHORE FRONT 62 NM EAST OF E AND 45 NM
EAST OF G.

NOTE THE EXTREMELY FAR OFFSHORE POSITION OF THE SHOREWARD EDGE OF
THE GULF STREAM IN THE REGION FROM I TO O. THESE DATA ARE CONSISTANT
WITH CONTINUING REPORTS OF WEAK SURFACE CURRENTS UP TO 20 NM EAST
OF THE REGION BETWEEN N AND O.

AN INSHORE FRONT IS OBSERVED 32 NM EAST OF I... 19 NM EAST OF J...
11 NM EAST OF K... 04 NM EAST OF L... 04 NM EAST OF M... 04 NM EAST OF
N... 00 NM SOUTHEAST OF P AND 000 NM SOUTHEAST OF O.
WEST OF H THE SHOREWARD EDGE OF THE GULF STREAM TENDS SOUTHWESTERLY
TOWARDS THE YUCATAN PENINSULA.

DATA ARE CURRENT.

BT

GULF STREAM SYSTEM FLOW CHART # 2450

NOAA Miami SFSS

GULF STREAM SYSTEM FLOW CHART # 2450

Date: 27 NOV 1981

215864 221865 229869 236876 244875
 250873 258876 270875 266857 267852
 264847 256842 250842 244844 236850
 232850 231847 235838 239830 242824
 245807 248802 254797 260796//

270797 275797 292800 308800 315794
 316783 319779 324775 332772 339756
 348754 372730 372721 370716 36
 380709 381704 379690 374681
 373674 382658// 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.

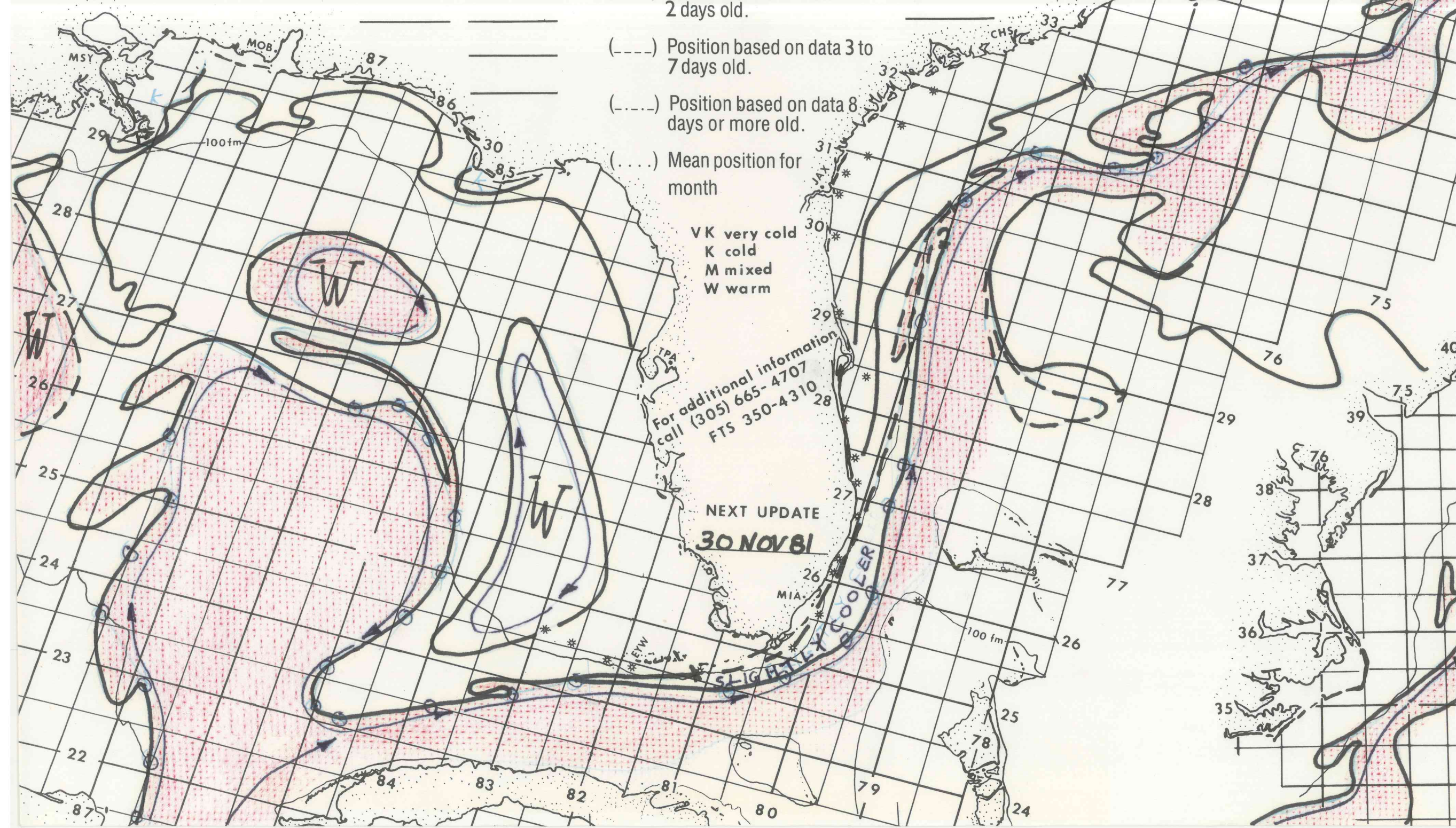
- (——) Position based on data 0 to 2 days old.
- (- - - -) Position based on data 3 to 7 days old.
- (.....) Position based on data 8 days or more old.
- (.....) Mean position for month

VK very cold
 K cold
 M mixed
 W warm

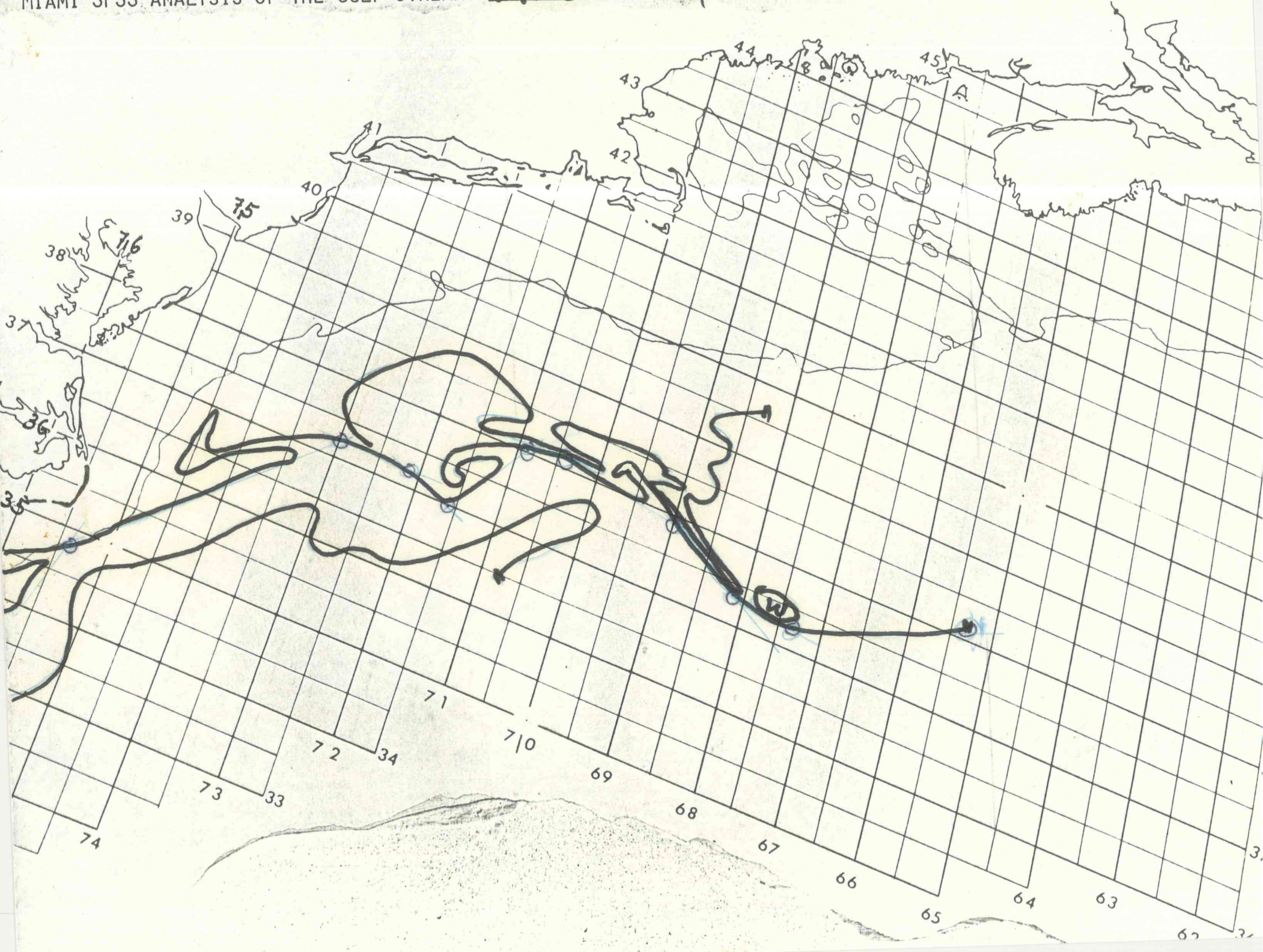
For additional information
 call (305) 665-4707
 FTS 350-4310

NEXT UPDATE
30 NOV 81

SLIGHTLY COOLER



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



1981 NOV 27 PM 2:14

NNNN
7070 MTAGLMMTA

TRXX40 KMTR 271800
MTAGLMMTA
MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT
27 NOV 1981.

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

215864 221865 229869 236876 244875 250873 258876 270875 266857
267852 264847 256842 250842 244844 236850 232850 231847 235838
239830 242824 245807 248802 254797 260796.

DATA ARE CURRENT. NOTE EXTREME OFFSHORE POSITION IN FLORIDA STRAITS.
THREE WARM EDGES ARE OBSERVED IN THE GULF OF MEXICO. ONE CENTRED
NEAR 28.0N 86.0W ABOUT 100 NM IN DIAMETER. A SECOND BOUNDED BY THE
POINTS 276839 270830 260826 257820 246821 241835 255836 272841
276839. A THIRD CENTRED NEAR 27N 90W ABOUT 120 NM IN DIAMETER.

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

A75/30/M/26. B67/55/M/26. C84/35/M/26. D85/40/M/27. E70/46/M/26.
F75/36/M/26. G58/54/M/26. H34/56/M/26. I45/52/M/26. J35/40/M/27.
K26/30/M/27. L20/36/M/27. M27/30/M/27. N30/25/M/27. O29/15/M/27.
P15/44/M/27. Q13/36/M/27. R11/64/M/27. S15/63/M/27. U39/60/M/27.

THE NARROW WIDTH OF THE GULFSTREAM IN THE REGION FROM A THROUGH G
IS DUE TO A PLUME OF COOL WIND DRIVEN OVERRUNNING SURFACE WATER
ALONG THE OFFSHORE EDGE OF THE GULFSTREAM.

A MEANDER IS OBSERVED ALONG THE SHOREWARD EDGE OF THE GULFSTREAM
FROM NEAR E TO G WITH AN INSHORE FRONT 62 NM EAST OF F AND 45 NM
EAST OF G.

NOTE THE EXTREMELY FAR OFFSHORE POSITION OF THE SHOREWARD EDGE OF
THE GULFSTREAM IN THE REGION FROM I TO O. THESE DATA ARE CONSISTENT
WITH CONTINUING REPORTS OF WEAK SURFACE CURRENTS UP TO 20 NM EAST
OF THE REGION BETWEEN N AND O.

AN INSHORE FRONT IS OBSERVED 32 NM EAST OF I...19 NM EAST OF J...
11 NM EAST OF K...04 NM EAST OF L...04 NM EAST OF M...04 NM EAST OF
N...00 NM SOUTHEAST OF P...00 NM SOUTHEAST OF Q AND 07 NM SOUTH
OF R.

WEST OF U THE SHOREWARD EDGE OF THE GULFSTREAM TENDS SOUTHWESTERLY
TOWARDS THE YUCATAN PENINSULA.

DATA ARE CURRENT.

BTAT

NNNN

0PQORTEVOJDGZVMMXPBMXBBQMY OAL

6QKVKFXCFVFKJKXOXQKUBCRYZWMK6./VXFOWU JB

ZCZC WBC478

SXNT1 KWBC 271815

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

27.0/79.8 29.0/80.0 29.4/80.0

31.3/79.5 31.7/78.0 32.2/77.6

32.3/77.0 35.0/75.2 37.2/73.0

37.1/71.6 38.1/70.4 37.3/68.0

38.0/65.7 38.1/65.0

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

COLD EDDIESO NONE DISCERNIBLE

WARM EDDIESO 27.9/86/2/80 NMI. DIAM@ 25.8/83.1/120 NMI. DIAM@

26.0/89.7/12.0 NMI. DIAM@

LATEST SATELLITE DATAO 11/27/81 1200Z

BT

↓0038

GULF STREAM SYSTEM FLOW CHART # 2450

NOAA Miami SFSS

GULF STREAM SYSTEM FLOW CHART # 2450

Date: 30 NOV 1981

215865 222865 230870 243875 249874
 260876 265880 273878 274876 266865
 264859 265855 270849 267846 258843
 250841 245843 235851 231850 230847
 233840 237833 240825 244812 246804
 250801 252798 257796 260797//

270797 280797 295800 305800 316794
 319786 320779 322776 333770 341756
 350752 358743 365739 372722 36
 370715 378710 381702 376682
 373677 375668 381654//SPR 35

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

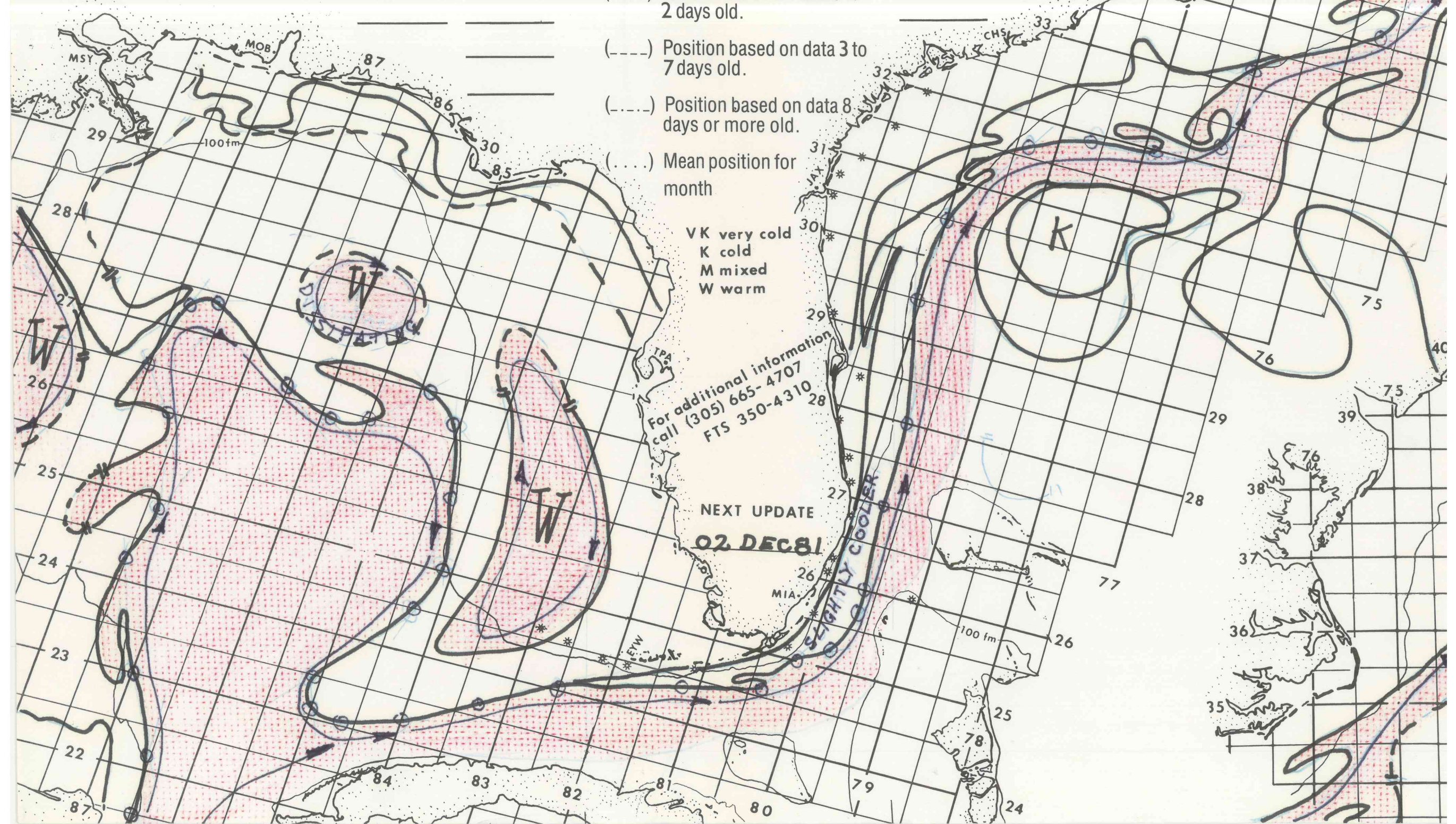
For additional information
 call (305) 665-4707
 FTS 350-4310

NEXT UPDATE

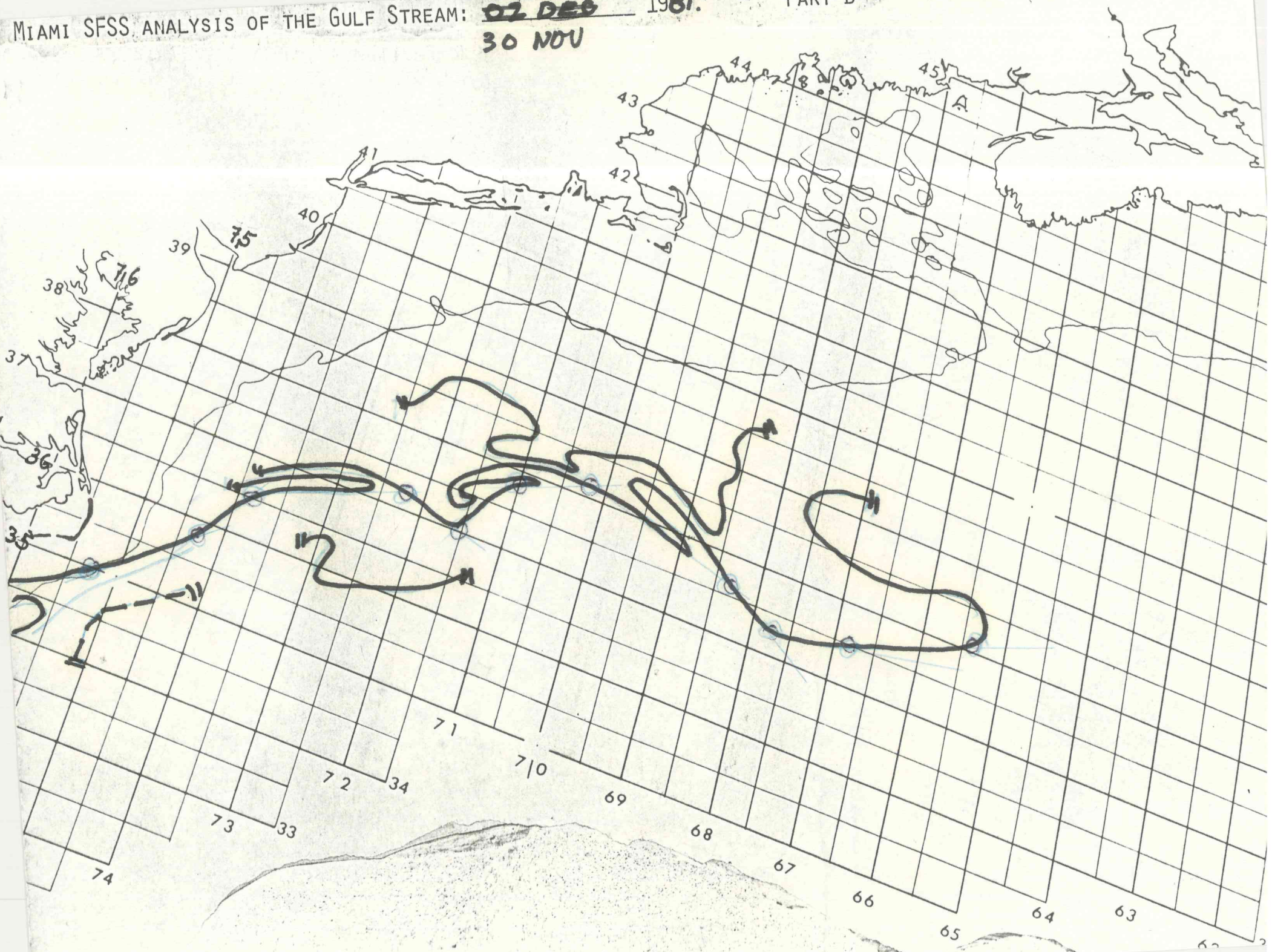
02 DEC 81

MIA

SLIGHTLY COOLER



MIAMI SFSS ANALYSIS OF THE GULF STREAM: ~~07 DEC~~ 1981. PART B
30 NOV



NNNN↓↓A

ZCZC WBC186

IBXX40 KMIA 301700

↑MIAGLMMIA

MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT

30 NOV 1981.

1981 NOV 30 PM 1:21

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

215865 222865 230870 243875 249874 260876 265880 273878 274876
266865 264859 265855 270849 267846 258843 250841 245843 235851
231850 230847 233840 237833 240825 244812 246804 250801 252798
257796 260797.

DATA ARE CURRENT. NOTE EXTREME OFFSHORE POSITION IN FLORIDA STRAITS.
THREE WARM EDDIES ARE OBSERVED IN THE GULF OF MEXICO..ONE CENTRED
NEAR 28.0N 86.0W ABOUT 100 NM IN DIAMETER..A SECOND BOUNDED BY THE
POINTS 276839 270830 260826 257820 246821 241835 255836 272841
276839..A THIRD CENTRED NEAR 27N 90W ABOUT 120 NM IN DIAMETER.

MIAMI SFSS SELECTED GULFSTREAM DATA FOR NOAA WEATHER RADIO...
A78/23/M/26. B79/46/M/26. C86/27/M/26. D90/25/M/27. E84/26/M/26.
F73/35/M/26. G58/43/M/26. H36/42/M/26. I47/37/M/26. J33/34/M/27.
K27/30/M/27. L20/38/M/27. M26/32/M/27. N28/24/M/27. O29/15/M/27.
P11/50/M/27. Q15/36/M/27. R15/55/M/27. S20/58/M/27. U48/47/M/27.

THE NARROW WIDTH OF THE GULFSTREAM IN THE REGION FROM A THROUGH G
IS DUE TO A PLUME OF COOL WIND DRIVEN OVERRUNNING SURFACE WATER
ALONG THE OFFSHORE EDGE OF THE GULFSTREAM.

NOTE THE EXTREMELY FAR OFFSHORE POSITION OF THE SHOREWARD EDGE OF
THE GULFSTREAM IN THE REGION FROM I TO Q. THESE DATA ARE CONSONANT
WITH CONTINUING REPORTS OF WEAK SURFACE CURRENTS UP TO 20 NM EAST
OF THE REGION BETWEEN N AND O.

TWO SMALL MEANDERS ARE OBSERVED ALONG THE SHOREWARD EDGE OF THE
GULFSTREAM...ONE AT A AND ANOTHER BETWEEN P AND Q.

AN INSIDE FRONT IS OBSERVED 76 NM EAST OF C...74 NM EAST OF D...
62 NM EAST OF E...51 NM EAST OF F...33 NM EAST OF G...06 NM EAST OF
H...20 NM EAST OF I ...10 NM EAST OF J... 07 NM EAST OF K...00 NM
EAST OF L...05 NM EAST OF M...07 NM EAST OF N...00 NM EAST OF O..
00 NM SOUTHEAST OF P...00 NM SOUTHEAST OF Q...AND 08 NM SOUTH OF R.
WEST OF U THE SHOREWARD EDGE OF THE GULFSTREAM TENDS SOUTHWESTERLY
TOWARDS THE YUCATAN PENINSULA.
DATA ARE CURRENT.

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MIAMI SESS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT
30 NOV 1981.

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

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266865 264859 265855 270849 267846 258843 250841 245843 235851
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MIAMI SESS SELECTED GULFSTREAM DATA FOR NOAA WEATHER RATO...
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E73/35/W/26. G58/43/W/26. H36/42/W/26. I47/37/W/26. J33/34/W/27.
K27/30/W/27. L20/38/W/27. M26/32/W/27. N28/24/W/27. O29/15/W/27.
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00 NM SOUTHEAST OF P... 00 NM SOUTHEAST OF Q... AND 00 NM SOUTH OF R.
TOWARDS THE YUCATAN PENINSULA.
DATA ARE CURRENT.

DATA

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