

GULF STREAM SYSTEM FLOW CHART # 2450

215864 220863 228867 233868 239872
 247881 255878 265882 270880 271874
 267866 262864 259848 250846 245844
 238852 233851 230847 235835 240830
 241826 243823 243818 240810 241807
 244802 248799 260798//

NOAA Miami SFSS

Date: 02 JAN 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.

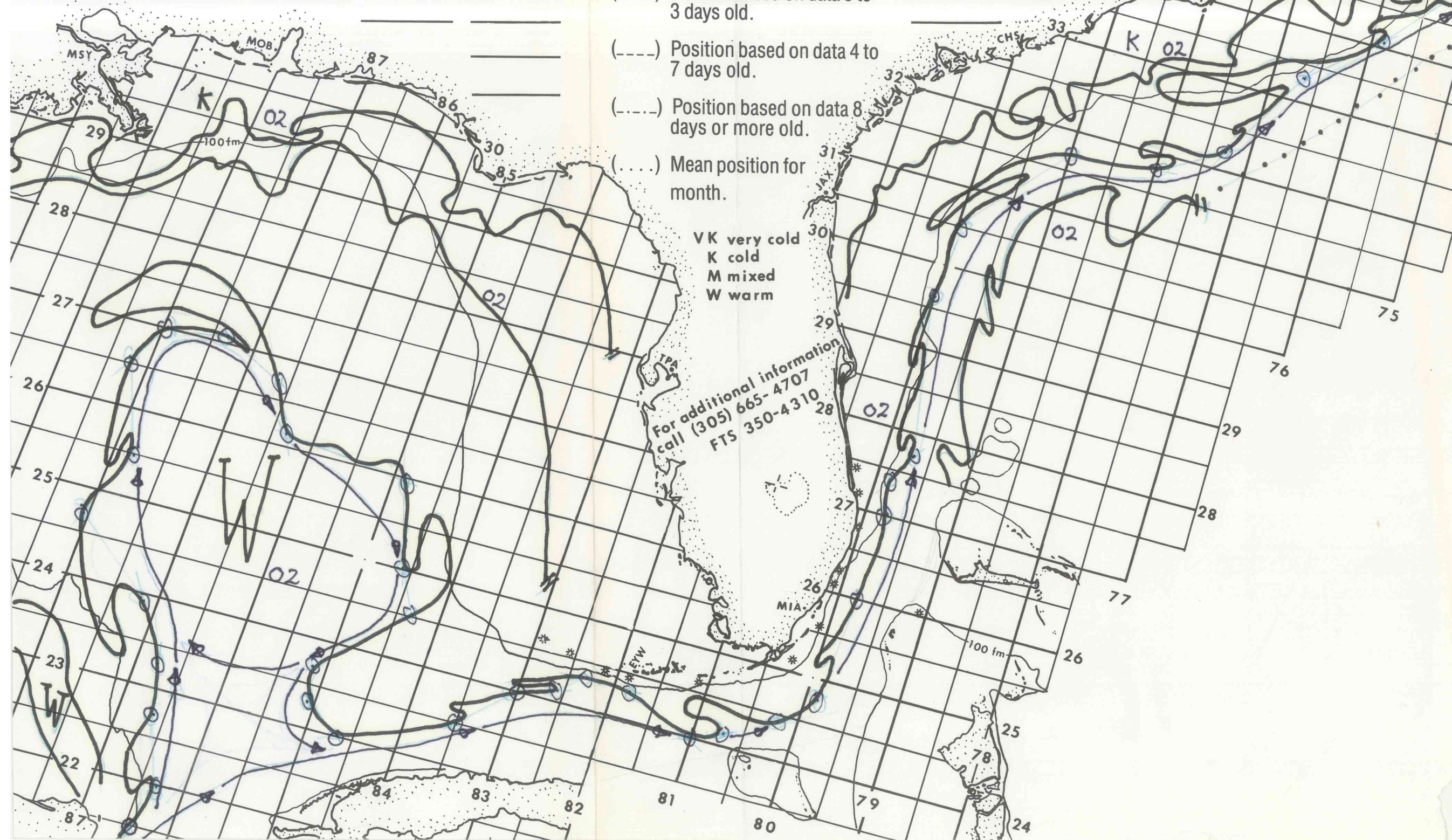
(....) Mean position for month.

VK very cold
 K cold
 M mixed
 W warm

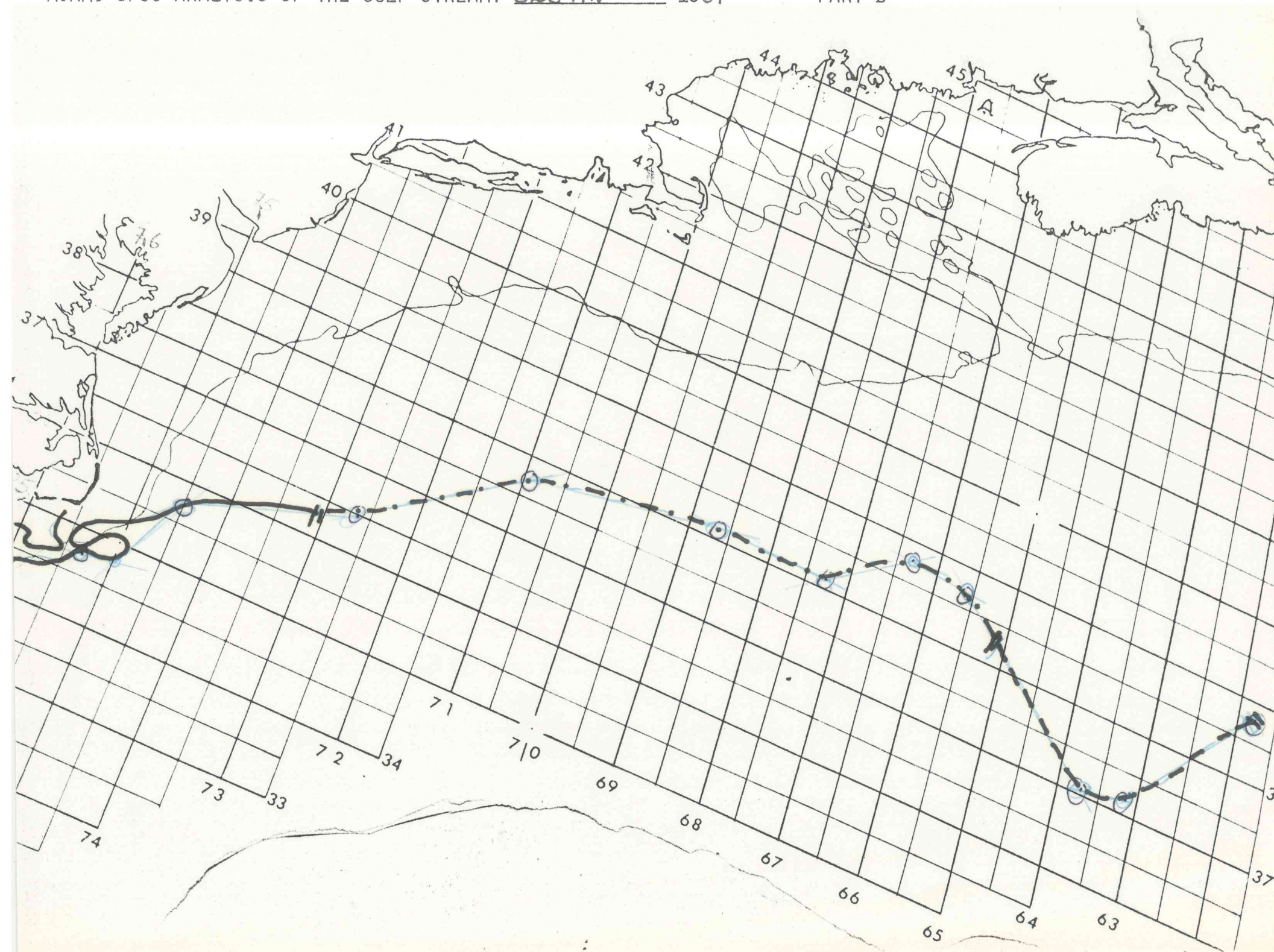
For additional information
 call (305) 665-4707
 FTS 350-4310

GULF STREAM SYSTEM FLOW CHART # 2450

270798 274799 278797 297800 305800
 317790 318780 322773 334767 341759
 347753 348750 357745 365727 36
 377710 381687 381672 388663
 387656 371637 372632
 388618//SRP



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



ZCZC WBC288
TBXX40 KMIA 021900

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

JAN 2 2 13 PM '81

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

215864 220863 228867 233868 239872 247881 255878 265882
270880 271874 267866 262864 259848 250846 245844 238852
233851 230847 235835 240830 241826 243823 243818 240810
241807 244802 248799 260798.

POSITION BASED ON DATA FROM 02 JAN 81.

LOOP APPEARS NEARLY CUT OFF INTO A WARM EDDY.

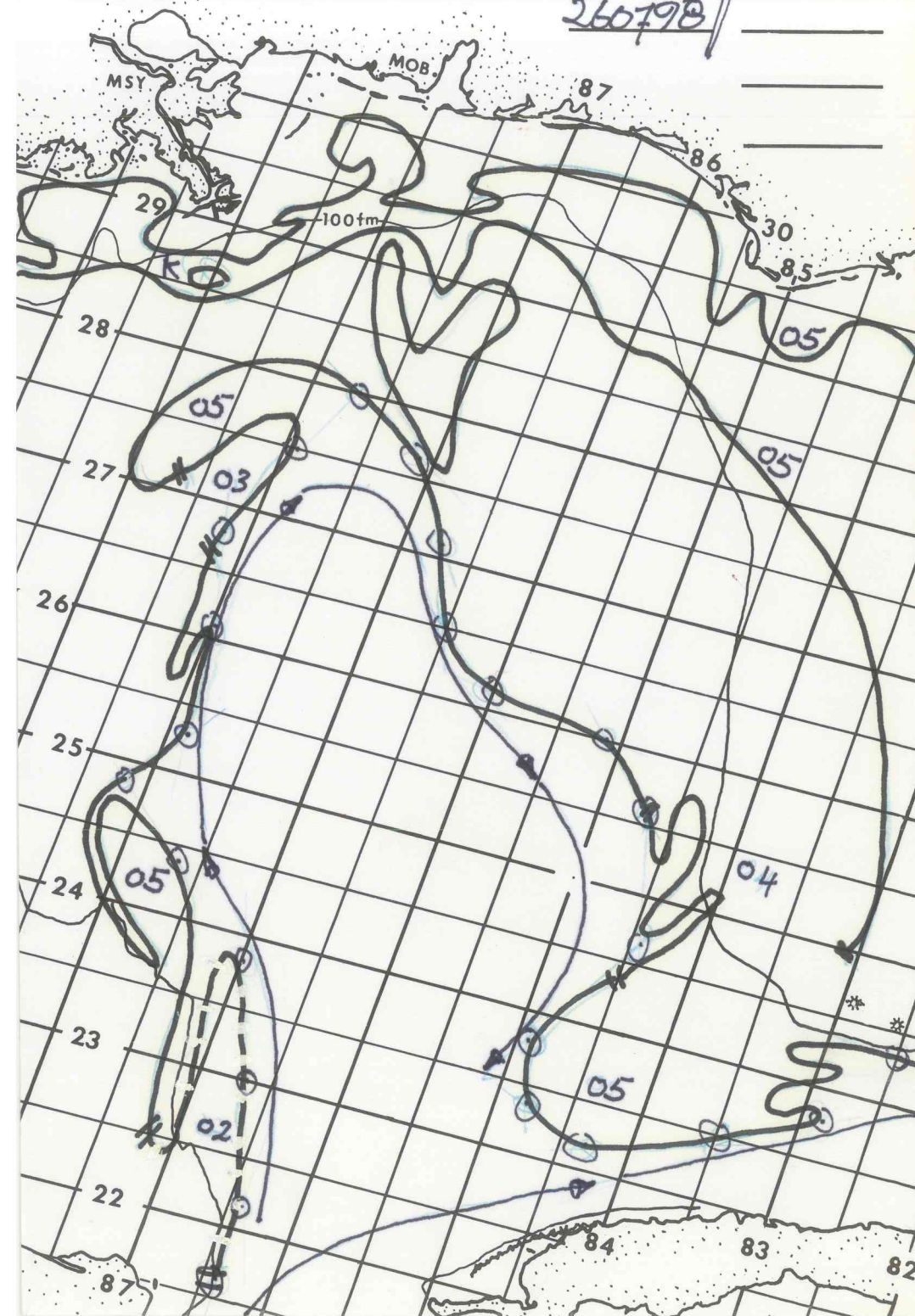
WARM EDDY TWO DEG DIAM WITH CLOCKWISE ROTATION
CENTRED NR 24.0N 92.4W.

BAIG

GULF STREAM SYSTEM FLOW CHART #2452A

216864 222864 230867 238870 244876
 249882 253879 261880 268882 275879
 280877 276871 271867 265865 262860
 260851 256847 246844 238849 234848
 232843 235835 238828 243825 243818
 241811 242807 246803 249799 255799

260798



NOAA Miami SFSS

Date: 05 JAN 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.

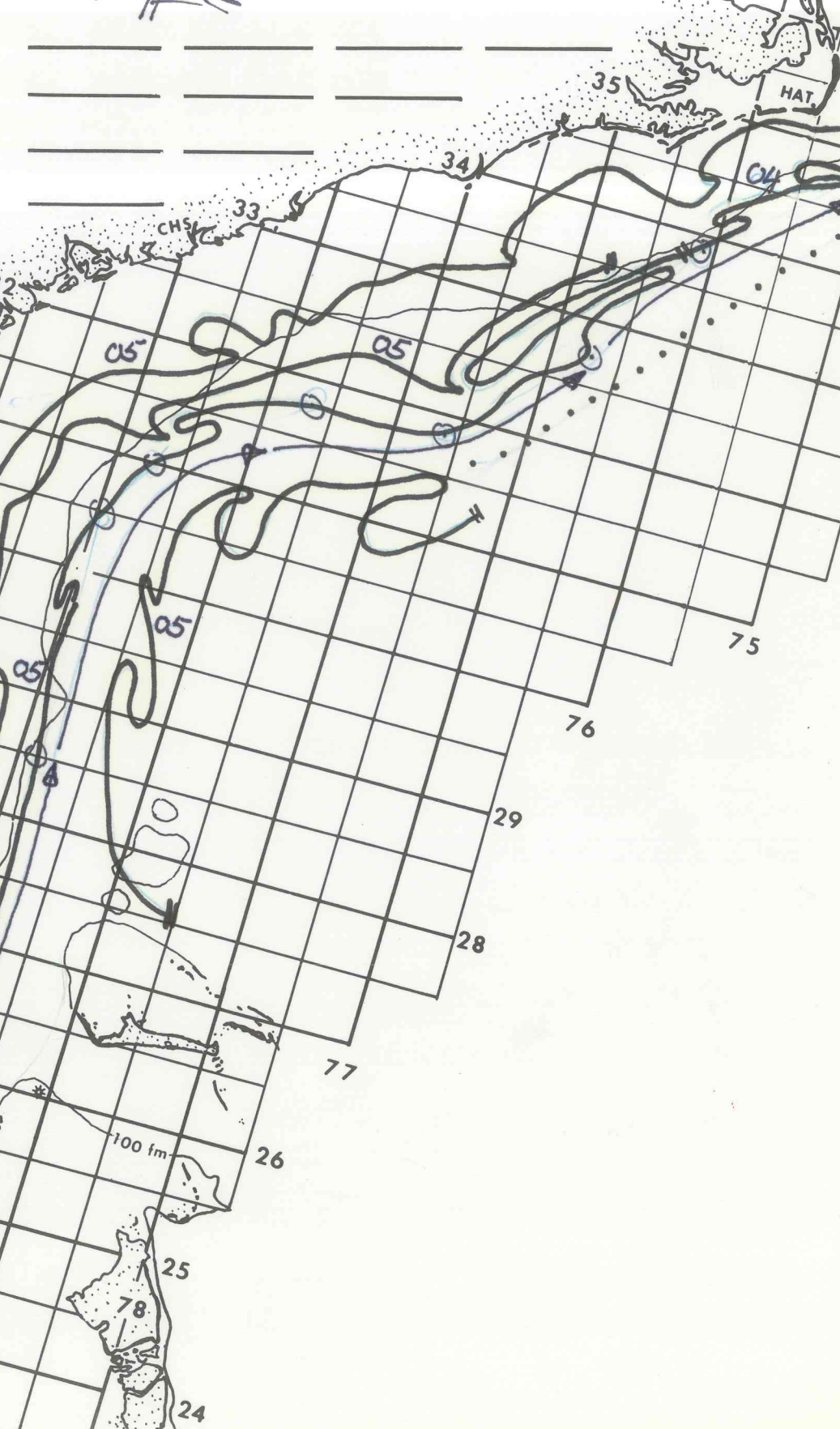
(....) Mean position for month.

VK very cold
 K cold
 M mixed
 W warm

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

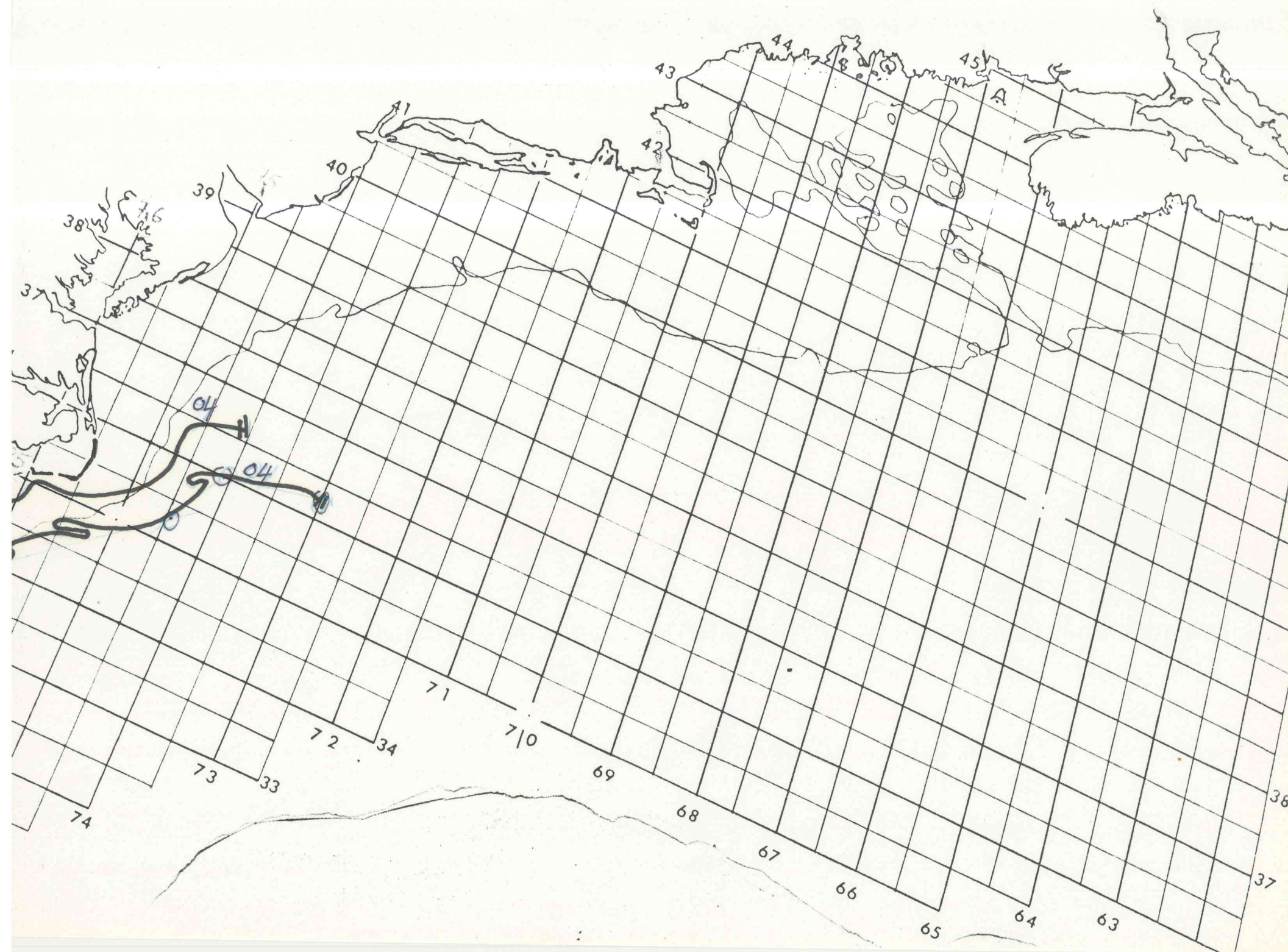
GULF STREAM SYSTEM FLOW CHART #2452A

270798 285799 305800 310797 318786
 319776 327767 339761 353744 360741
 362730



MIAMI SFSS ANALYSIS OF THE GULF STREAM: 05 JAN 1981

PART B



NNNN

JAN 5 10 00 AM '81

ZCZC WBC028
TBXX40 KNIA 051415

MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT
05 JANUARY 1981.

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

216864 222864 230867 238870 244876 249882 253879 261880 268882
275879
280877 276871 271867 265865 262860 260851 256847 246844 238849
234848
232843 235835 238828 243825 243818 241811 242807 246803 249799
255799
260798.

POSITION BASED ON DATA FROM 05 JAN 81...XCP S OF 23.2N FM 02 JAN
81.

LOOP APPEARS NEARLY CUT OFF INTO A WARM EDDY.

WARM EDDY TWO DEG DIAM WITH CLOCKWISE ROTATION
CENTRED NR 23.8N 92.4W.

BAIG

NNNN+A
ZCZC WBC502
TBXX9 KSFO 052200

SFSS SFO NOAA-6 EPHEMERIS DATA SCHEDULED FOR 06 JAN 81

ORBIT	EQ CR	TOX	LAT	LON
7941	118.3W	0358Z	33.2N	126.5W
7948	64.4E	0620Z	48.5N	114.9W

NNNN+A
ZCZC WBC503
SXNT1 KWBC 052200
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	30.5/80.0	31.0/79.7
31.8/78.0	31.9/77.0	32.7/76.7	33.9/76.1
35.3/74.0	36.0/74.1	36.5/73.0	38.0/70.0
38.0/69.0	37.7/67.3	38.0/66.5	38.7/66.3

38.6/65.0

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

COLD EDDIES NONE DISCERNIBLE

WARM EDDIES 44.0/46.6/65 NMI DIAM.. 41.6/79.4/80 NMI DIAM..
39.2/58.0/55 NMI DIAM.. 39.7/66.8/80 NMI DIAM..
39.4/70.2/85 NMI DIAM..

LATEST SATELLITE DATA 1/5/81 1200Z

NNNN

GULF STREAM SYSTEM FLOW CHART #2452A

215864 218864 232869 244875 248877
 259879 272880 282875 280870 270863
 261861 259858 259847 246839 238845
 233846 234836 237830 243821 245817
 243807 245805 253800 260799//

NOAA Miami SFSS

Date: 07 JAN 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

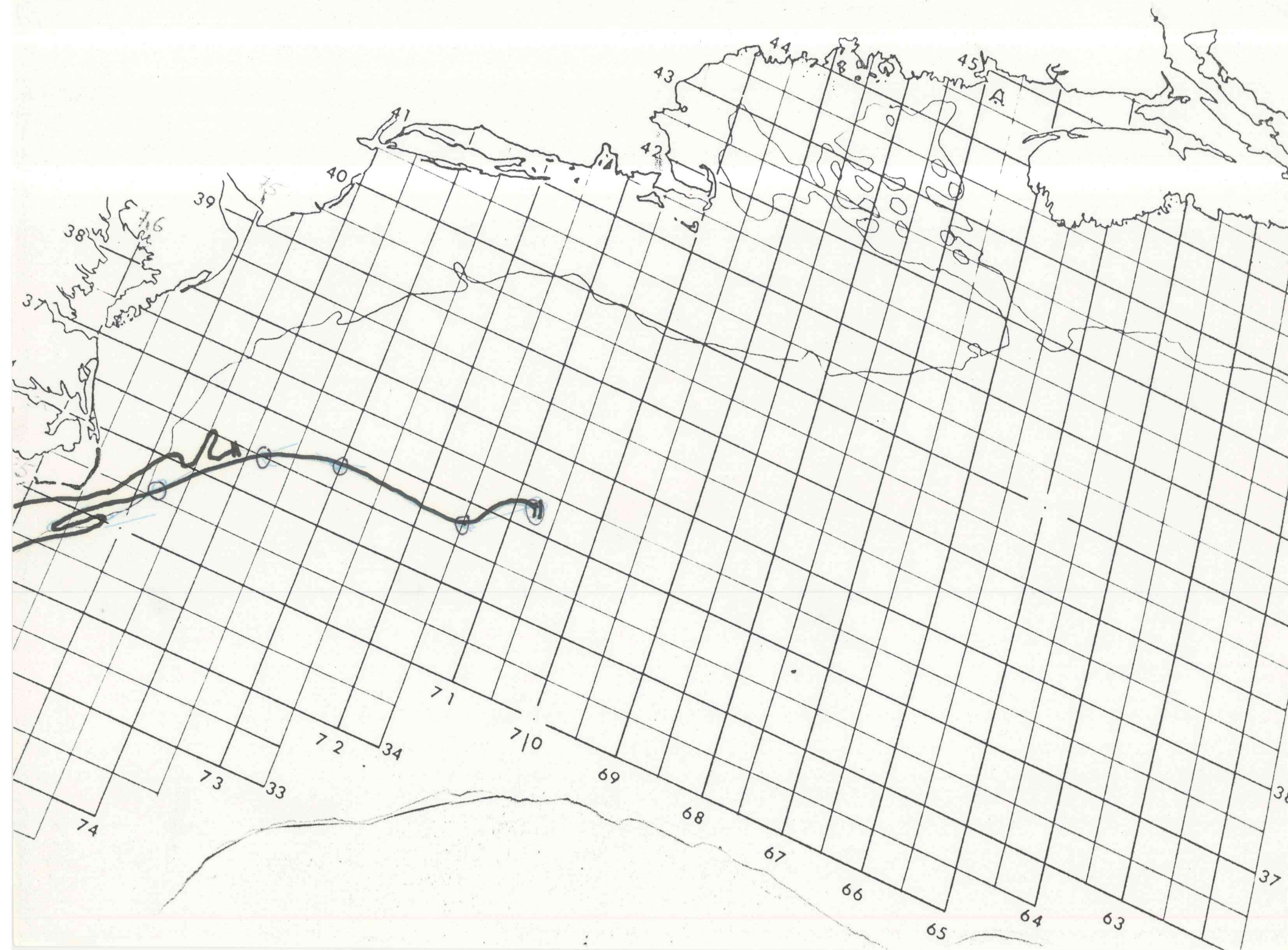
For additional information
 call (305) 665-4707
 FTS 350-4310

GULF STREAM SYSTEM FLOW CHART #2452A

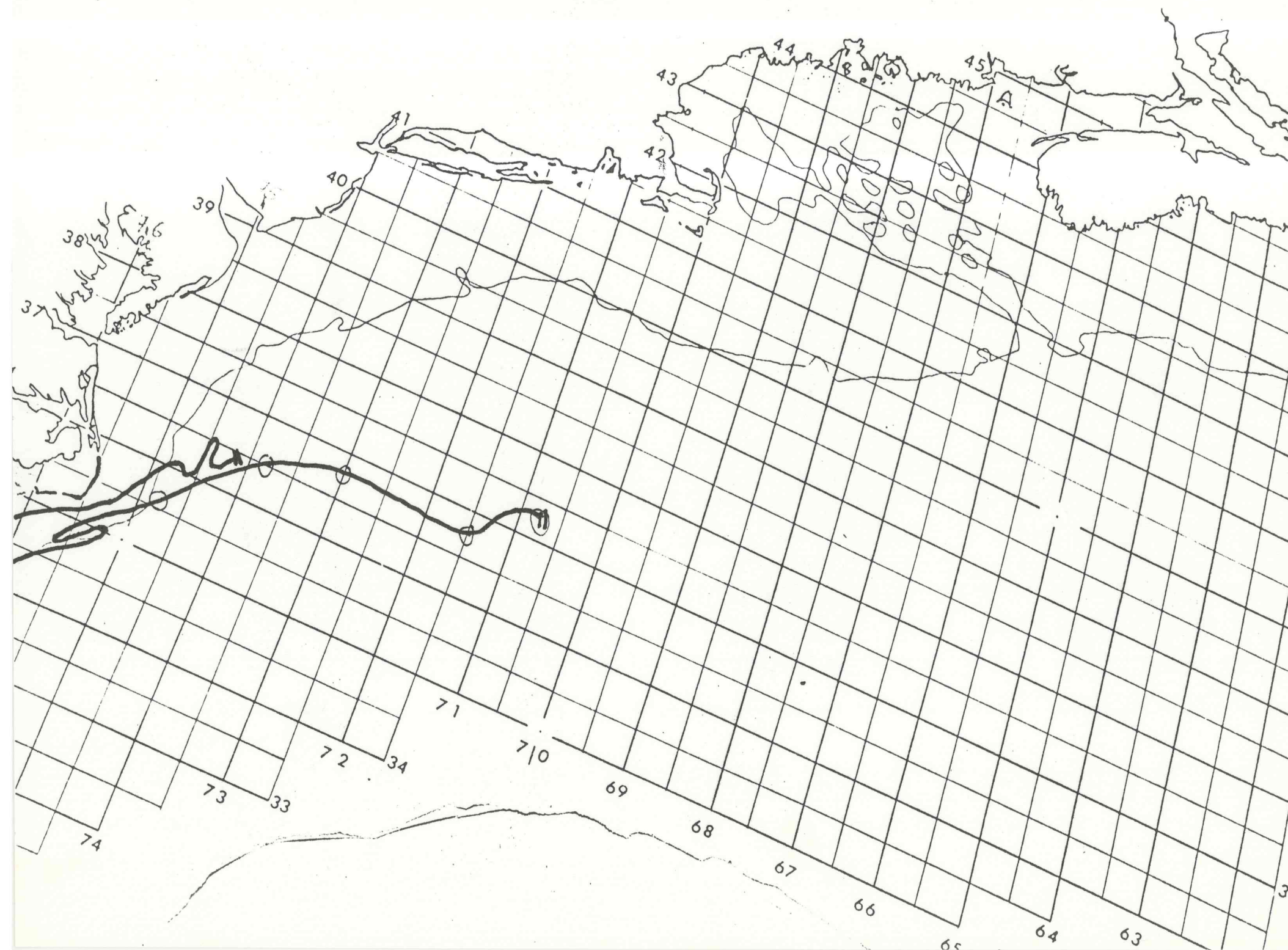
270799 304800 312796 316790 320774
 325768 342760 348753 357748 365739
 368730 368715 373708// SMD



MIAMI SFSS ANALYSIS OF THE GULF STREAM: 07 JAN 1981 PART B



MIAMI SFSS ANALYSIS OF THE GULF STREAM: 07 JAN 1980 PART B



GULF STREAM SYSTEM FLOW CHART # 2450

214865 219864 234868 238872 249877
 258884 269881 275880 280871 275866
 269862 261862 259858 259847 257844
 250840 245841 237846 234845 234841
 236836 238828 244821 245810 248802
 252800 260800

NOAA Miami SFSS

Date: 09 JAN 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

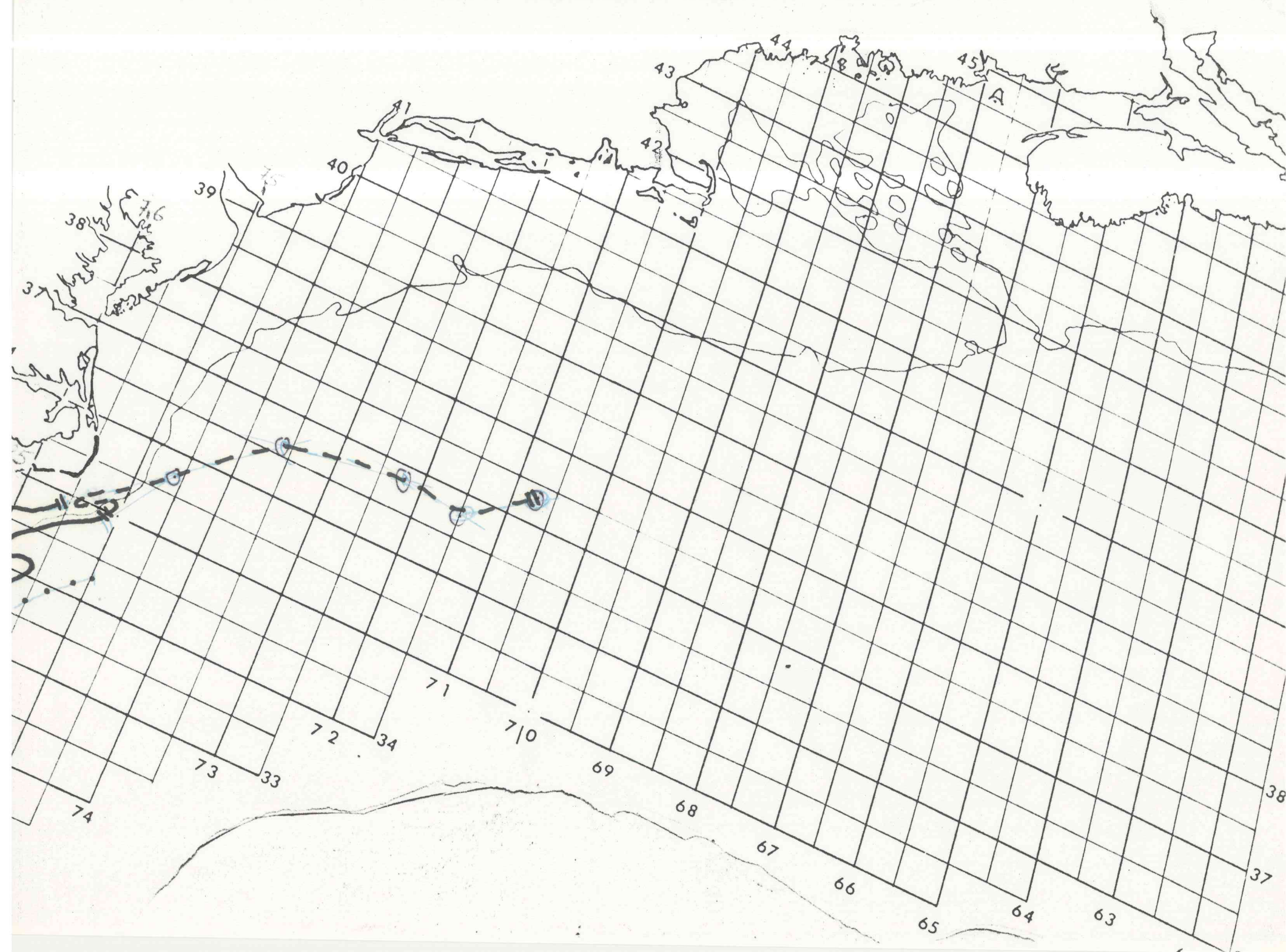
For additional information
 call (305) 665-4707
 FTS 350-4310

GULF STREAM SYSTEM FLOW CHART # 2450

270799 308801 313797 322772 326768
 334761 337757 357746 366736 368722
 377715 374707



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



Date: 09 JAN 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.

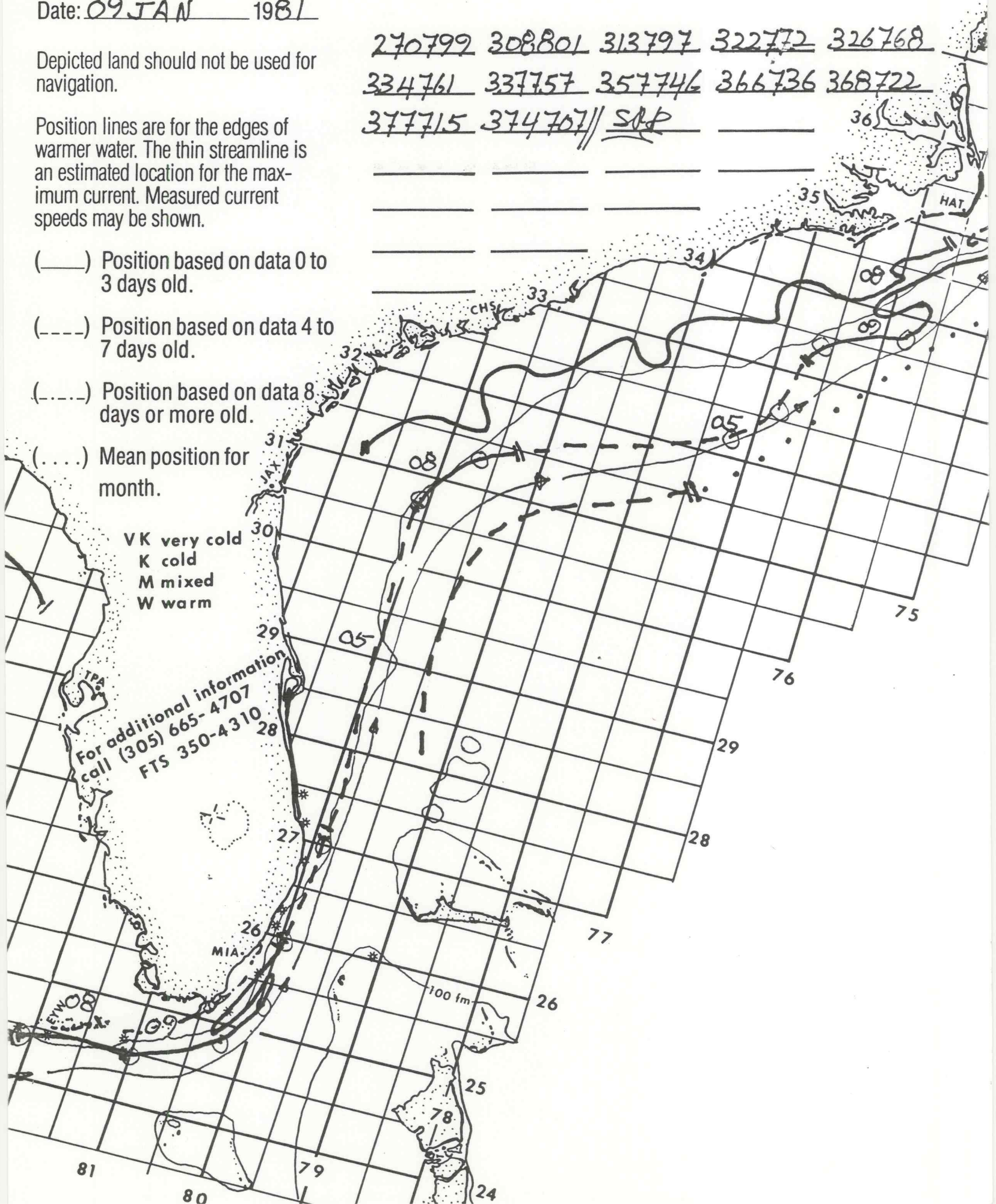
(----) Position based on data 4 to 7 days old.

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

(.....) Mean position for month.

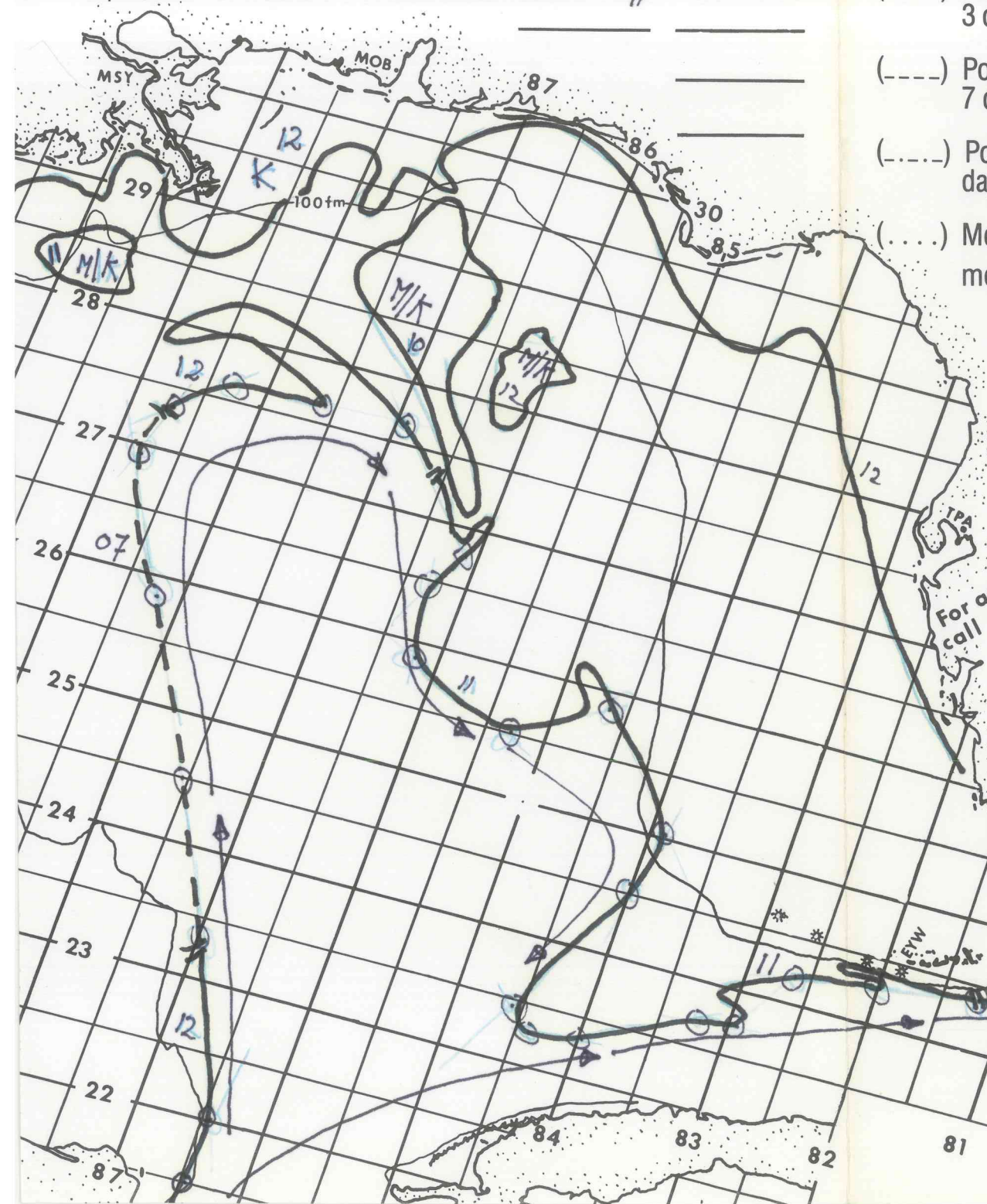
VK very cold
K cold
M mixed
W warm

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



GULF STREAM SYSTEM FLOW CHART ^π 2450

215865 220860 234870 245876 258882
269888 274886 276883 277876 277869
268861 264863 258862 255853 259847
250839 245840 234846 233844 234840
237832 237829 242826 243820 244812
247802 251799 255798 260797 // _____



NOAA Miami SFSS

Date: 12 JAN 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.

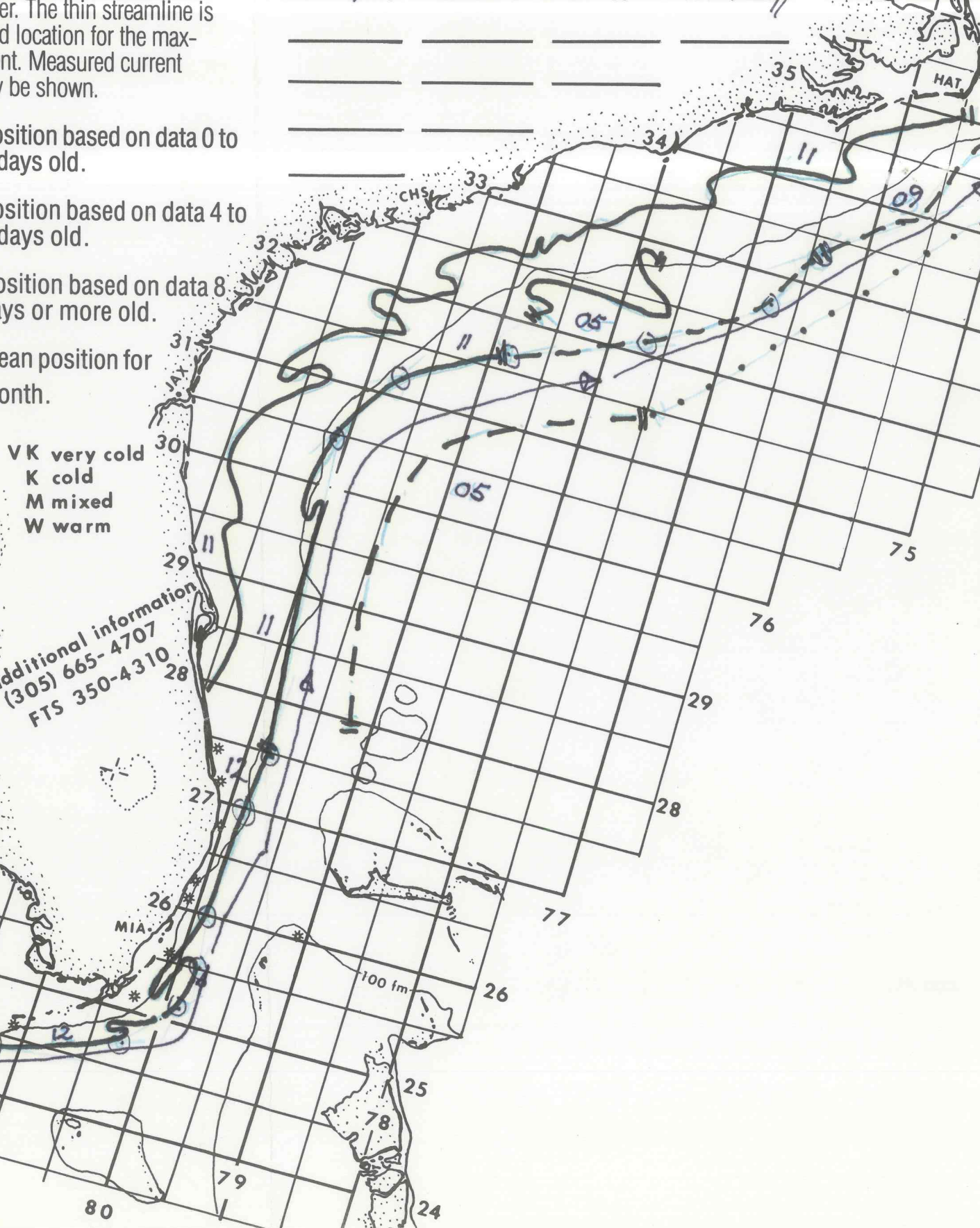
- (—) Position based on data 0 to 3 days old.
- (----) Position based on data 4 to 7 days old.
- (-----) Position based on data 8 days or more old.
- (.....) Mean position for month.

V K very cold
K cold
M mixed
W warm

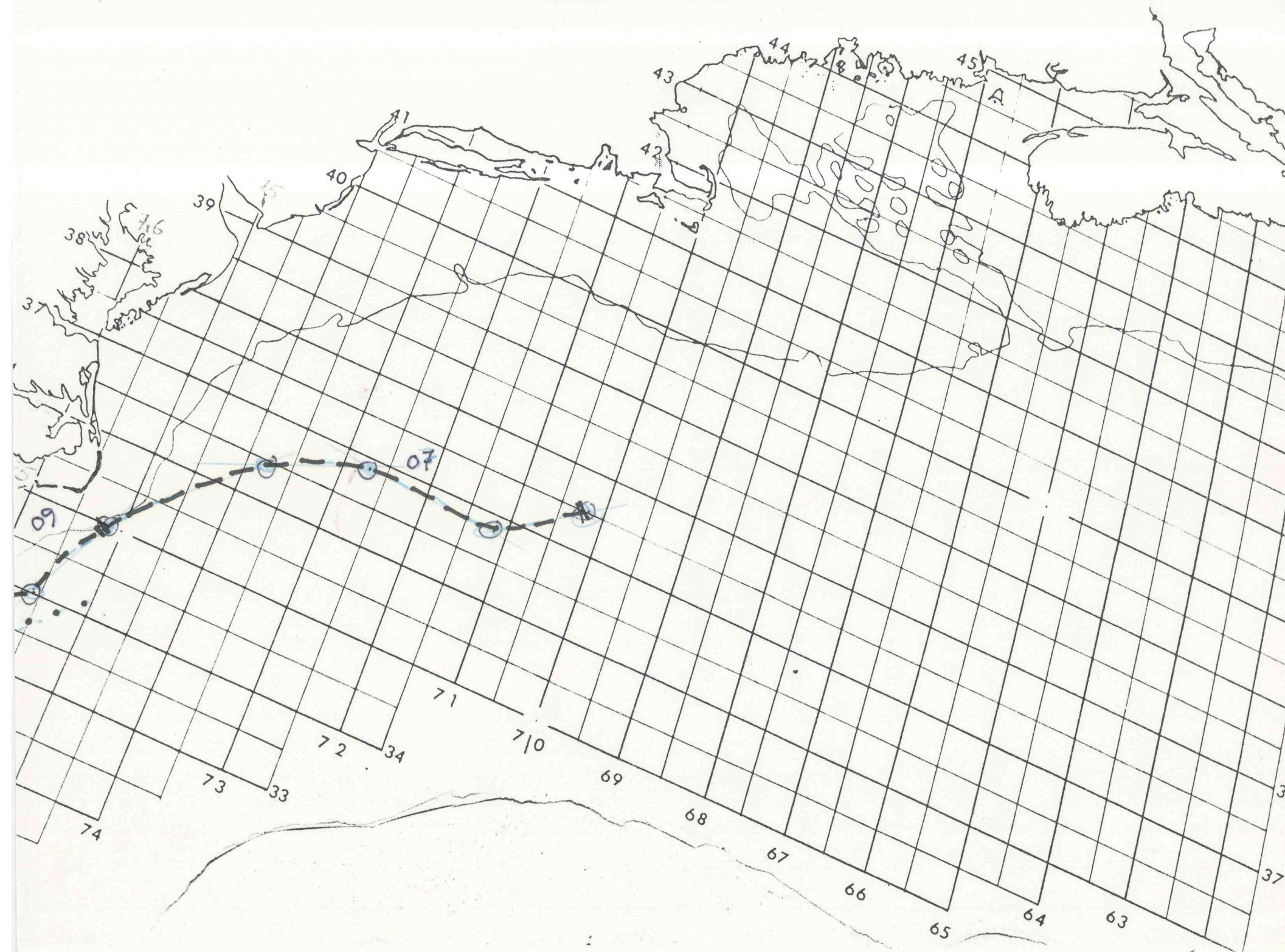
For additional information
call (305) 665-4707
FTS 350-4310 28

GULF STREAM SYSTEM FLOW CHART # 2450

270799 275799 305801 312797 316788
321777 327767 333764 340756 350751
365737 369727 368712 375702 36



MIAMI SFSS ANALYSIS OF THE GULF STREAM: 12 JAN 1981 PART B



ATTACHMENT C 12 JAN 81

Miami SFSS Gulf Stream System selected data for NWR-EYW.

G ____ / ____ / ____ / ____ . H ____ / ____ / ____ / ____ . I ____ / ____ / ____ / ____ .
J ____ / ____ / ____ / ____ . K ____ / ____ / ____ / ____ . L 15 / 27 / M / 25 .
M 17 / M / M / 25 . N 12 / M / M / 25 . O 4 / 72 / M / 26 .
P 11 / 78 / M / 26 . Q 32 / 92 / M / 26 .

(Additional comments to describe meanders, eddies and other features to follow main text. Position of these features should be with reference to the aids used in the message.)

A large meander is seen between L and M.

A small meander exists due S of M.

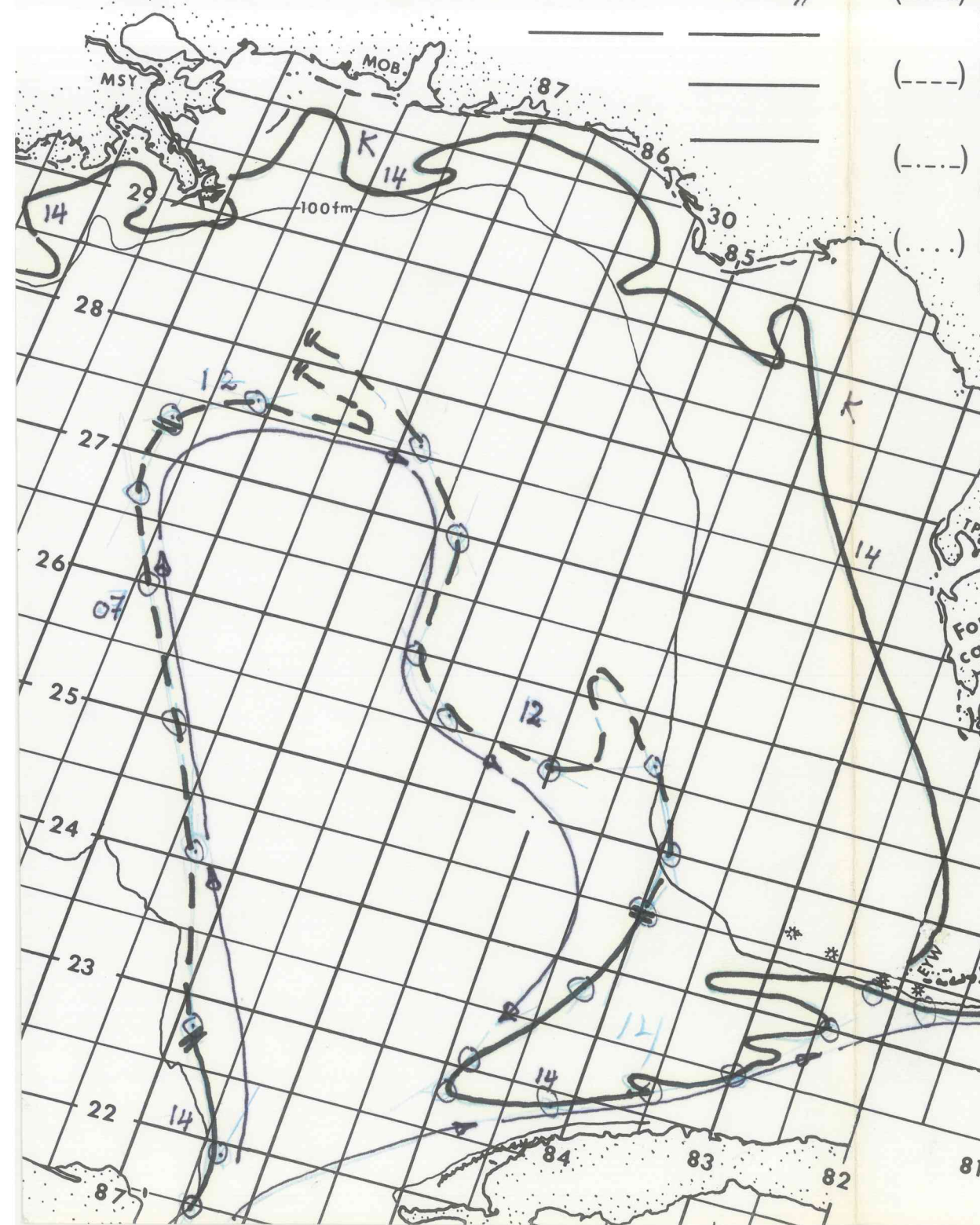
Another small meander is seen S of P, moving downstream toward O.

A large meander exists S of Q.

All distances measured to offshore boundaries of meanders.

GULF STREAM SYSTEM FLOW CHART #2452A

215864 219864 228869 241873 250878
 260884 267887 273887 276881 276868
 270863 260863 256859 254850 256843
 250839 245840 238842 231848 228849
 229841 232835 235830 240824 244821
 244817 246807 250801 253799 260798



NOAA Miami SFSS

Date: 14 JAN 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.

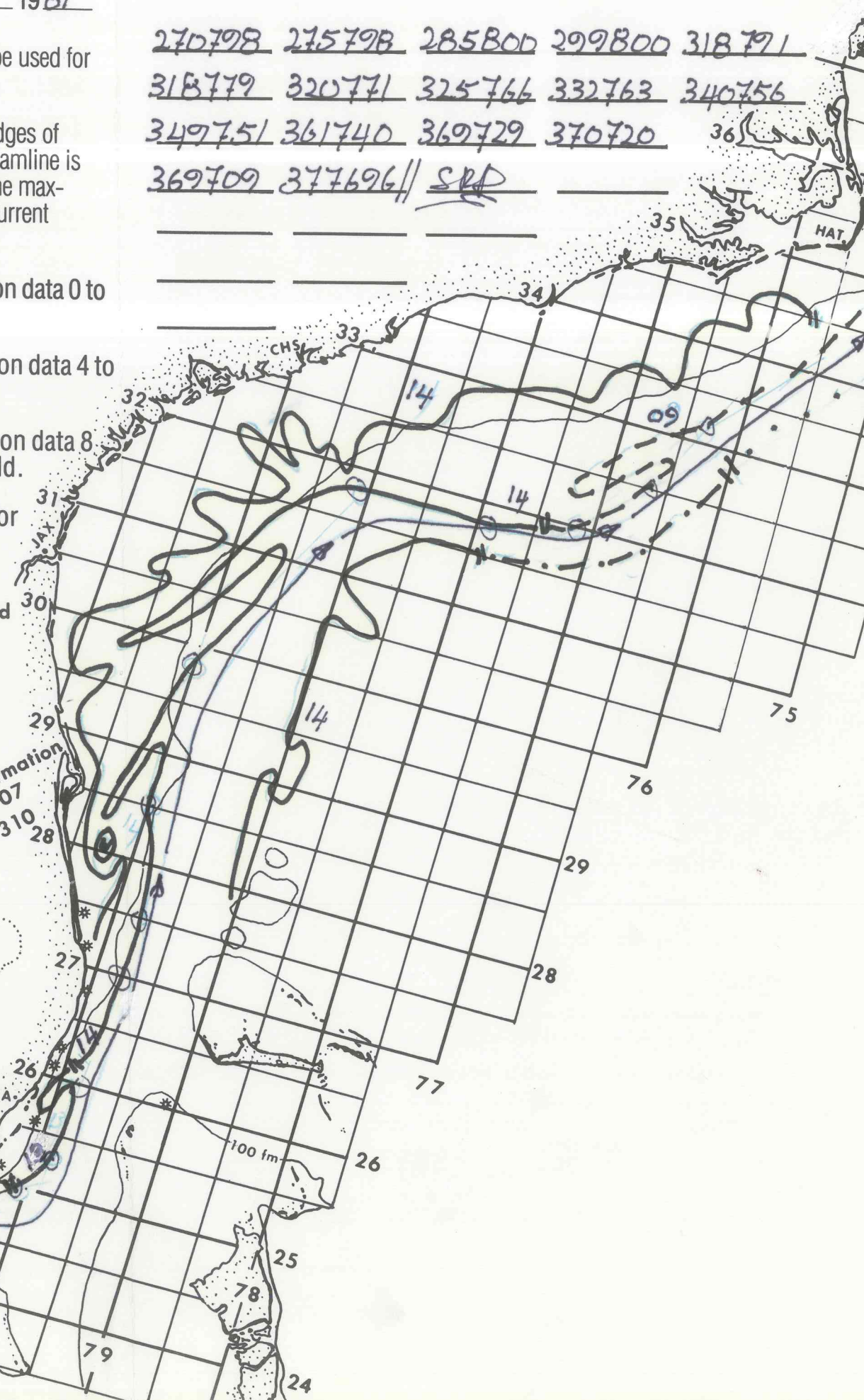
(....) Mean position for month.

VK very cold
 K cold
 M mixed
 W warm

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

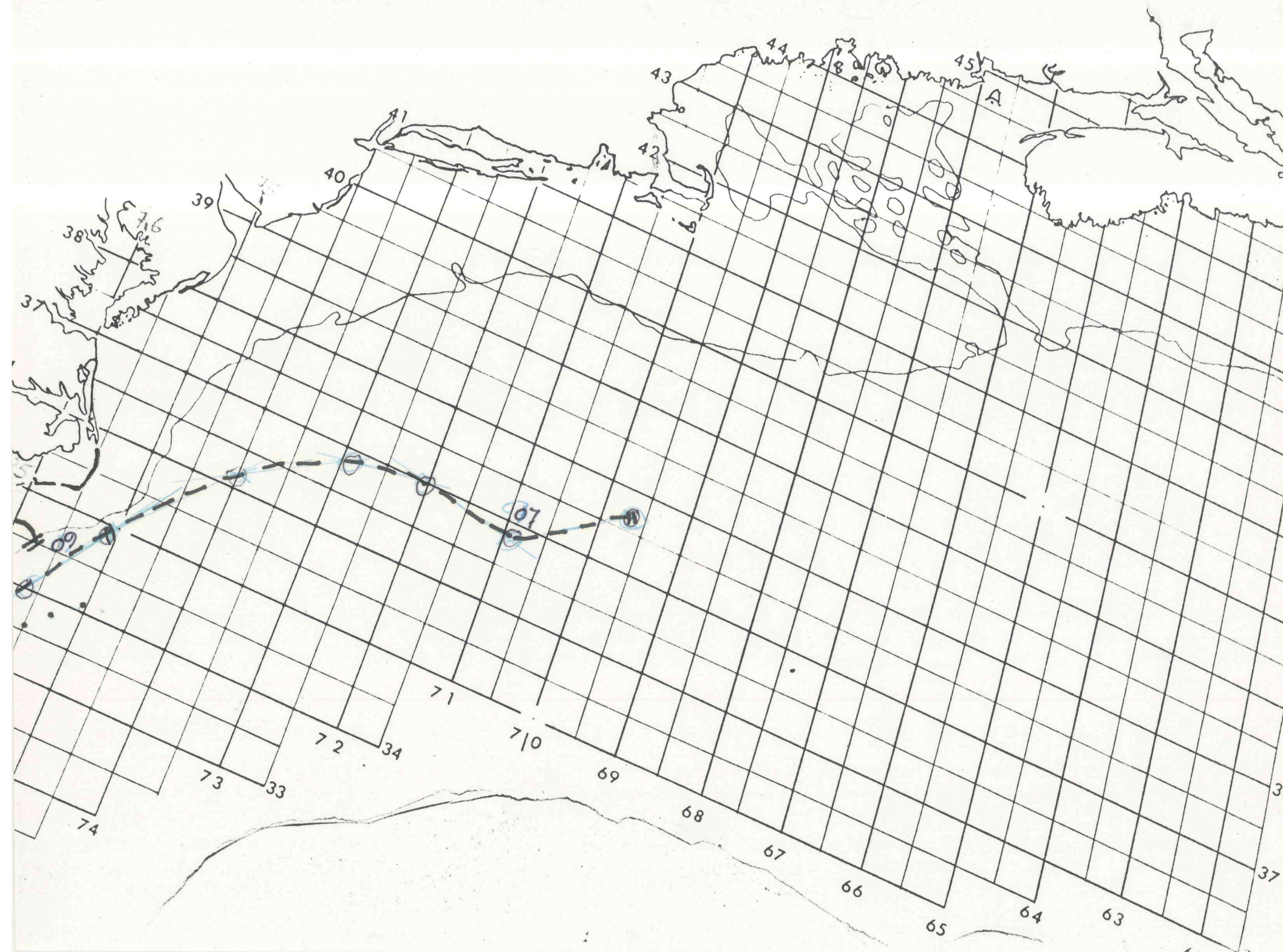
GULF STREAM SYSTEM FLOW CHART #2452A

270798 275798 285800 299800 318791
 318779 320771 325766 332763 340756
 349751 361740 369729 370720 369709 377696



MIAMI SFSS ANALYSIS OF THE GULF STREAM: 14 JAN 1981

PART B



14 JAN 81

ATTACHMENT C

Miami SFSS Gulf Stream System selected data for NWR-~~EY~~W

G ____ / ____ / ____ / ____ . H ____ / ____ / ____ / ____ . I ____ / ____ / ____ / ____ .
J ____ / ____ / ____ / ____ . K ____ / ____ / ____ / ____ . L 15 / 27 / M / 24 .
M 14 / 17 / M / 24 . N 7 / M / M / 24 . O 6 / 70 / M / 25 .
P 7 / 70 / M / 25 . Q 64 / 28 / M / 25 .

(Additional comments to describe meanders, eddies and other features to follow main text. Position of these features should be with reference to the aids used in the message.)

Meander N of L.

Extremely large meander SW of P and Q moves edge of stream close to Cuba. Gulf Stream water can be found inside the fold in this meander, within 20 miles due S of Q

GULF STREAM SYSTEM FLOW CHART #2452A

214865 218863 222865 234870 239875
 245876 255880 266886 272887 275885
 276876 274866 269862 259862 257859
 253850 250839 239842 233841 232836
 237828 244820 244811 249802 253799
 256798 260798//

NOAA Miami SFSS

Date: 16 JAN 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.

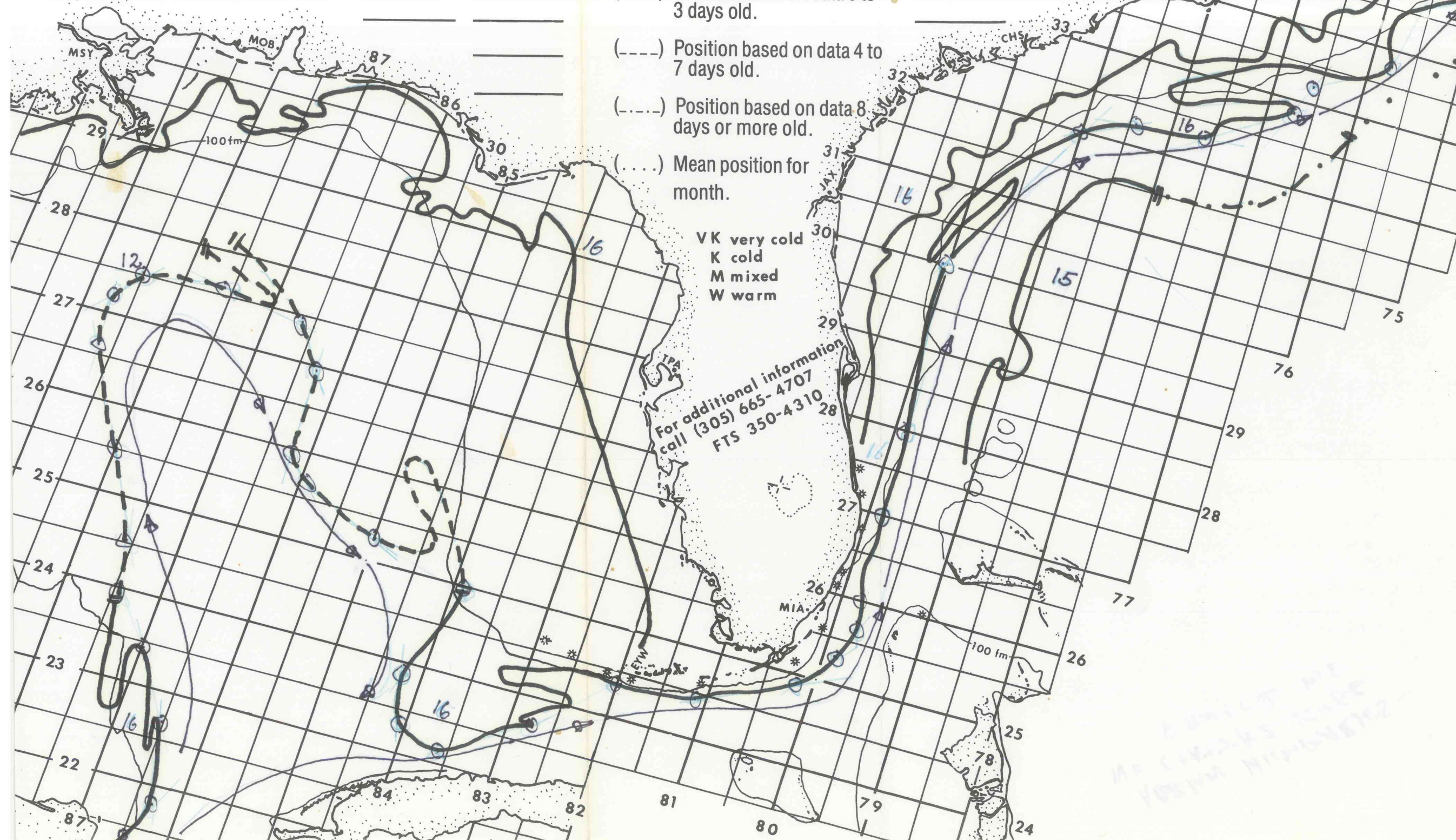
(....) Mean position for month.

VK very cold
 K cold
 M mixed
 W warm

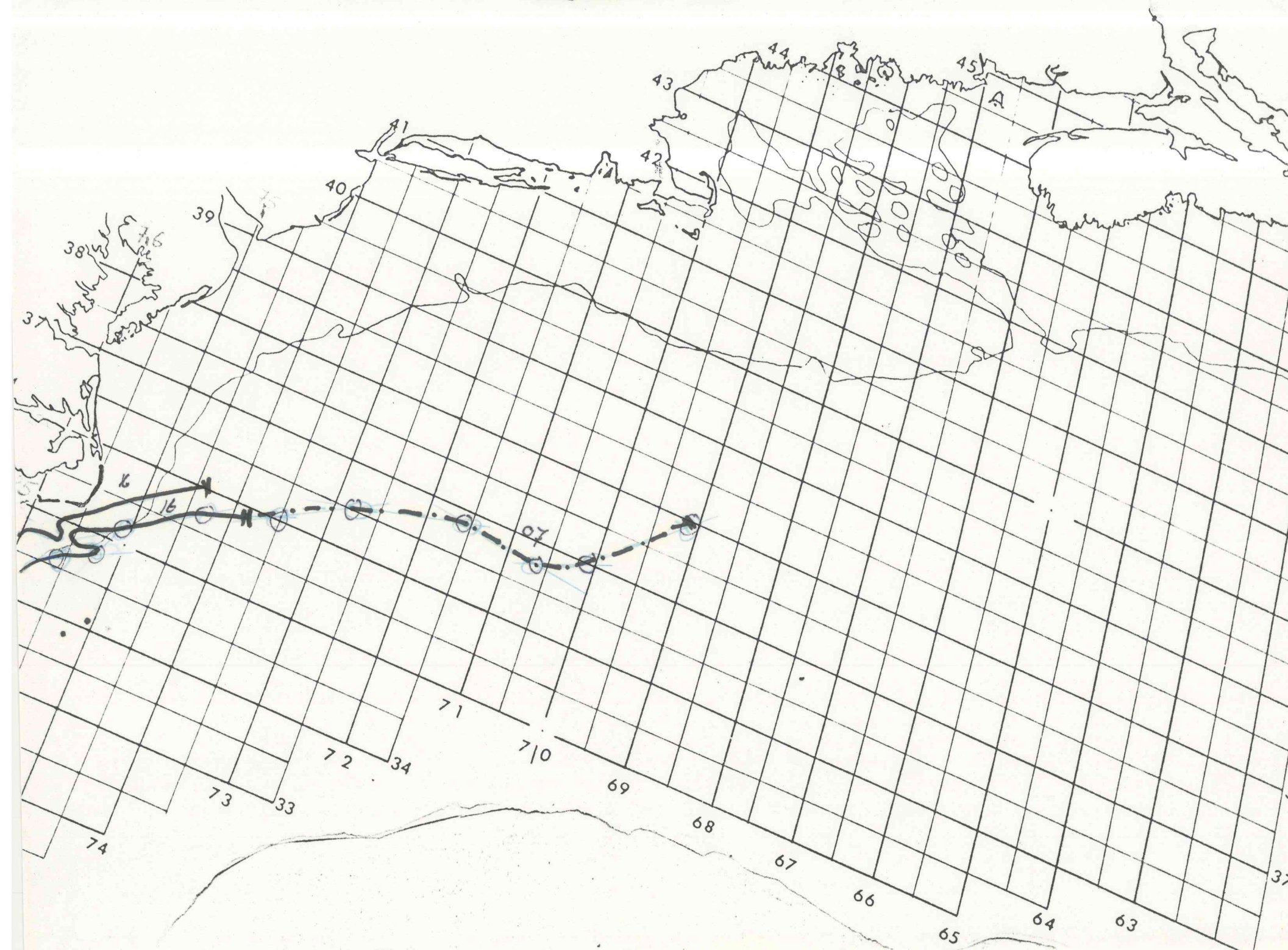
For additional information
 call (305) 665-4707
 FTS 350-4310

GULF STREAM SYSTEM FLOW CHART #2452A

270798 280799 300800 320790 322784
 323776 328767 332766 337758 346756
 349752 352751 357743 360735 365728
 369716 367706 370701
 380691//



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



GULF STREAM SYSTEM FLOW CHART #2452A

NOAA Miami SFSS

Date: 16 JAN 1981

214865 218863 222865 234870 239875
 245876 255880 266886 272887 275885
 276876 274866 269862 259862 257859
 253850 250839 239842 233841 232836
 237828 244820 244811 249802 253799
 256798 260798//

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.

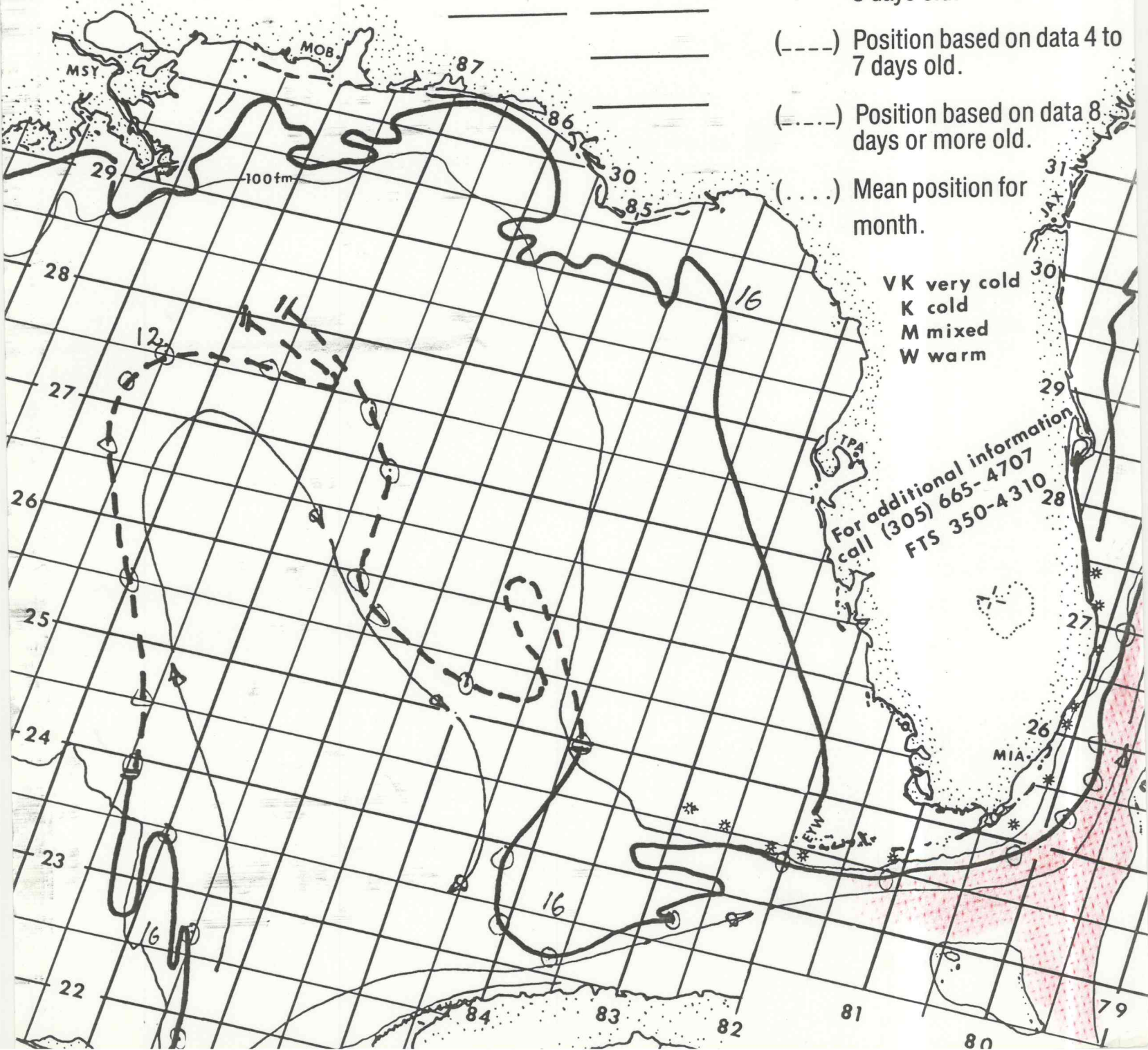
(---) Position based on data 4 to 7 days old.

(-----) 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



Date: 16 JAN 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.

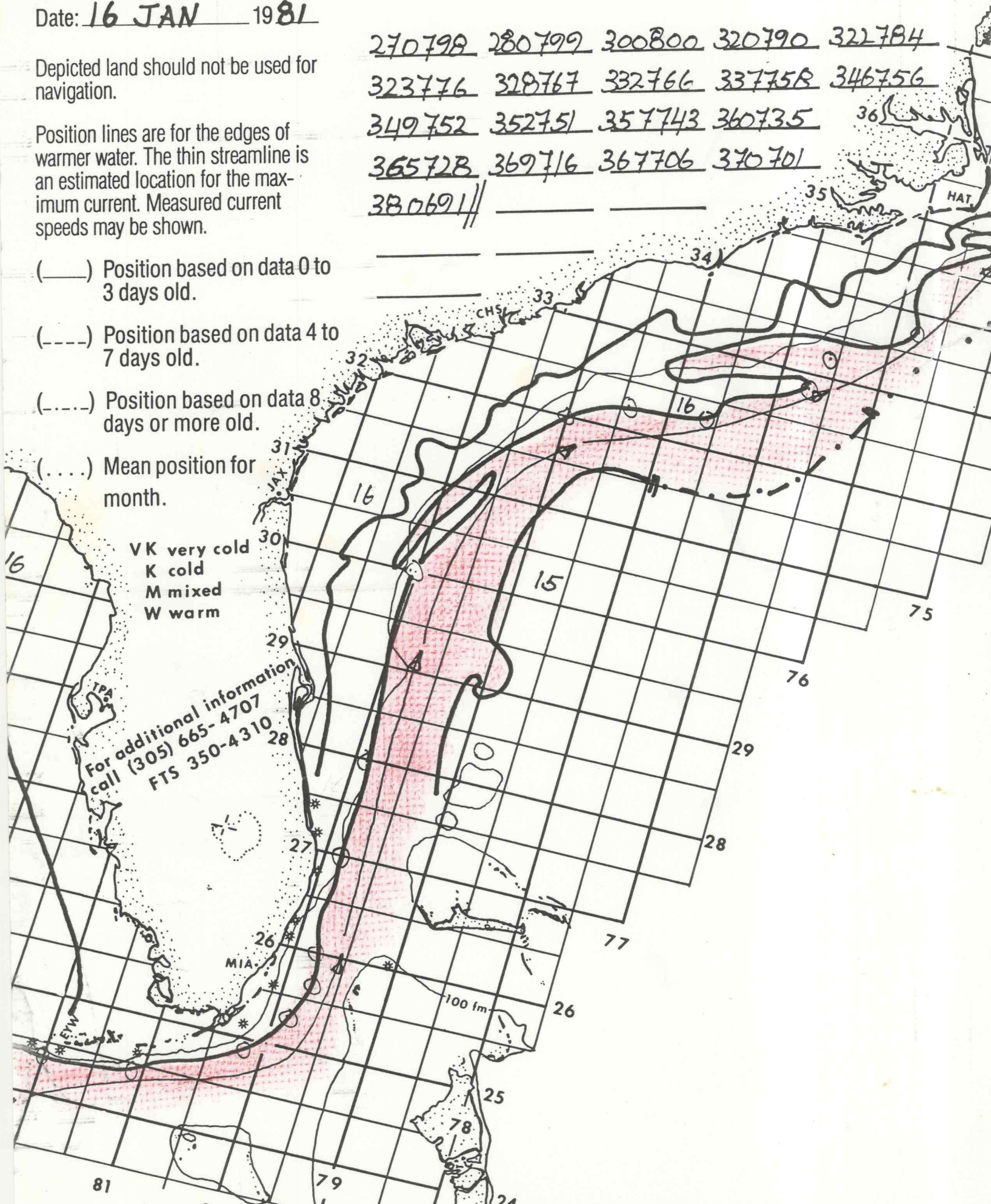
(----) Position based on data 4 to 7 days old.

(.....) 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



Date: 16 JAN 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.

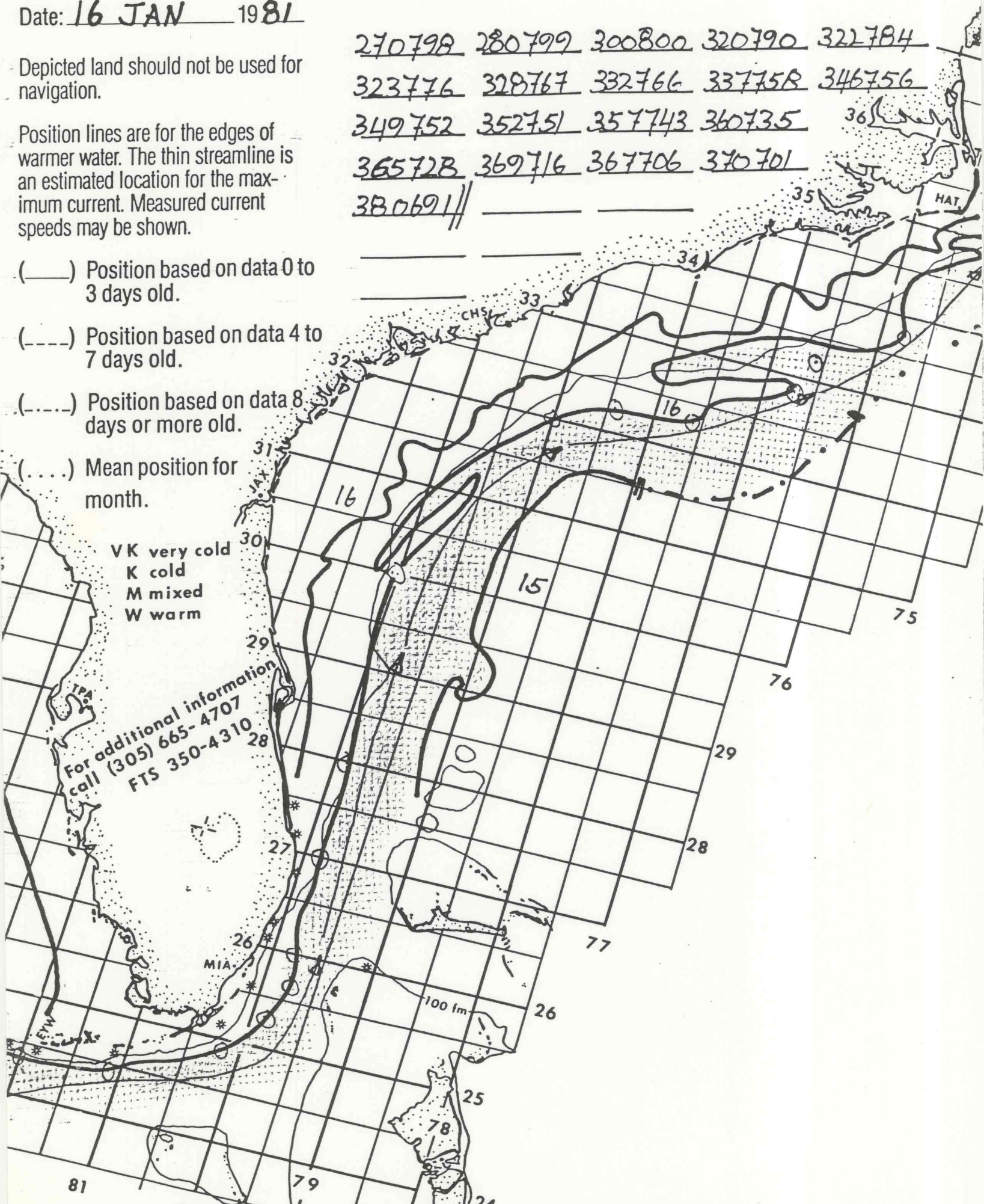
(----) Position based on data 4 to 7 days old.

(-.-.-) 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



ATTACHMENT C

16 JAN 81

Miami SFSS Gulf Stream System selected data for NWR EYW

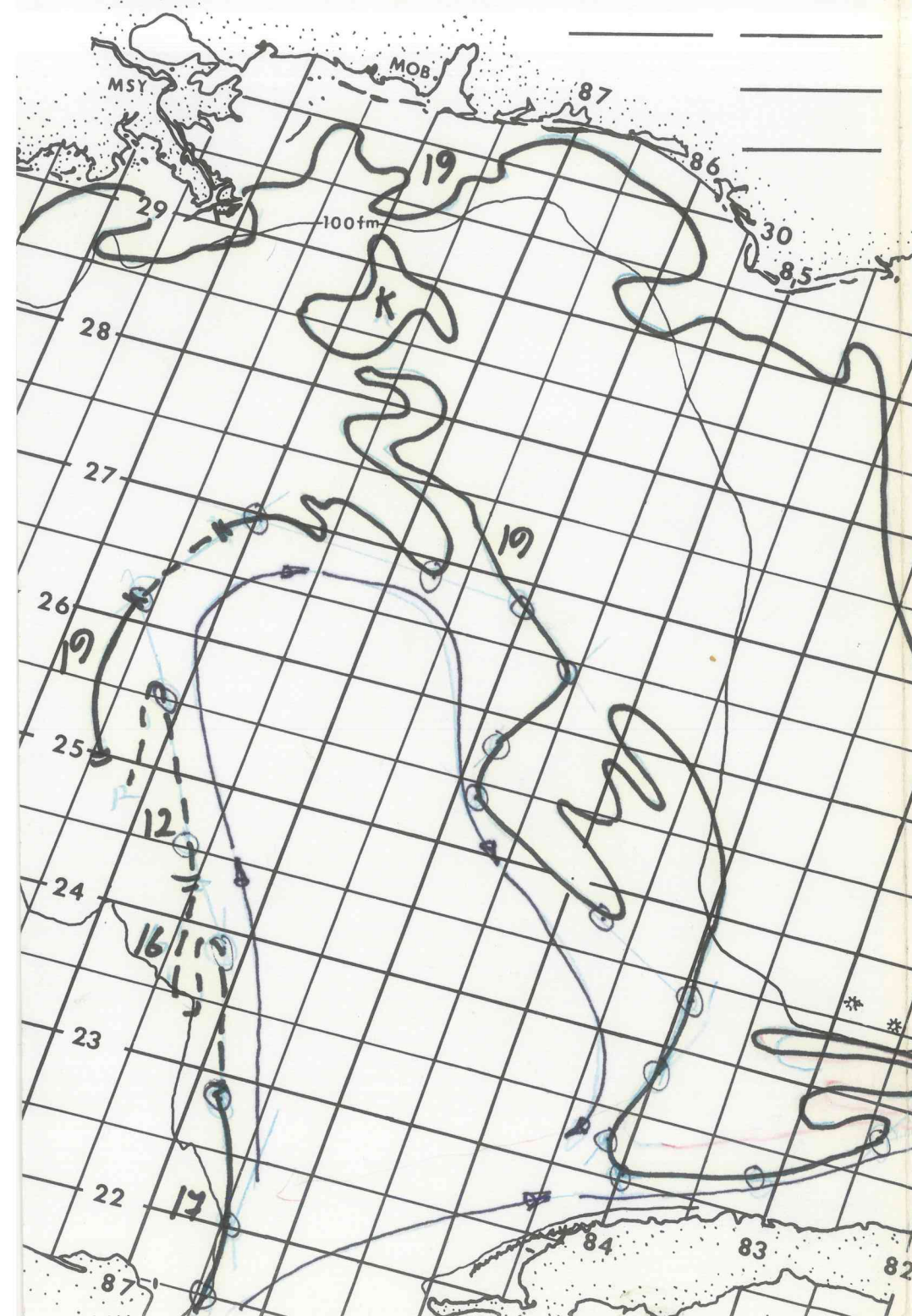
G ___ / ___ / ___ / ___ . H ___ / ___ / ___ / ___ . I ___ / ___ / ___ / ___ .
J ___ / ___ / ___ / ___ . K ___ / ___ / ___ / ___ . L 21 / 21 / M / 24 .
M 14 / M / M / 24 . N 09 / M / M / 24 . O 06 / M / M / ___ .
P 05 / 73 / M / 25 . Q 61 / 34 / M / 25 .

(Additional comments to describe meanders, eddies and other features to follow main text. Position of these features should be with reference to the aids used in the message.)

Extremely large meander SW of P and Q moves stream close to Cuba. Gulf stream water can be found inside the fold in this meander, within 22 miles S of Q.

GULF STREAM SYSTEM FLOW CHART # 2450

215864 220864 229869 239871 245876
 265881 262886 270880 269867 268860
 264856 258858 254858 248847 244839
 238840 232842 231840 233832 237824
 244821 244809 247803 250798 260799//



NOAA Miami SFSS

Date: 19 JAN 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.

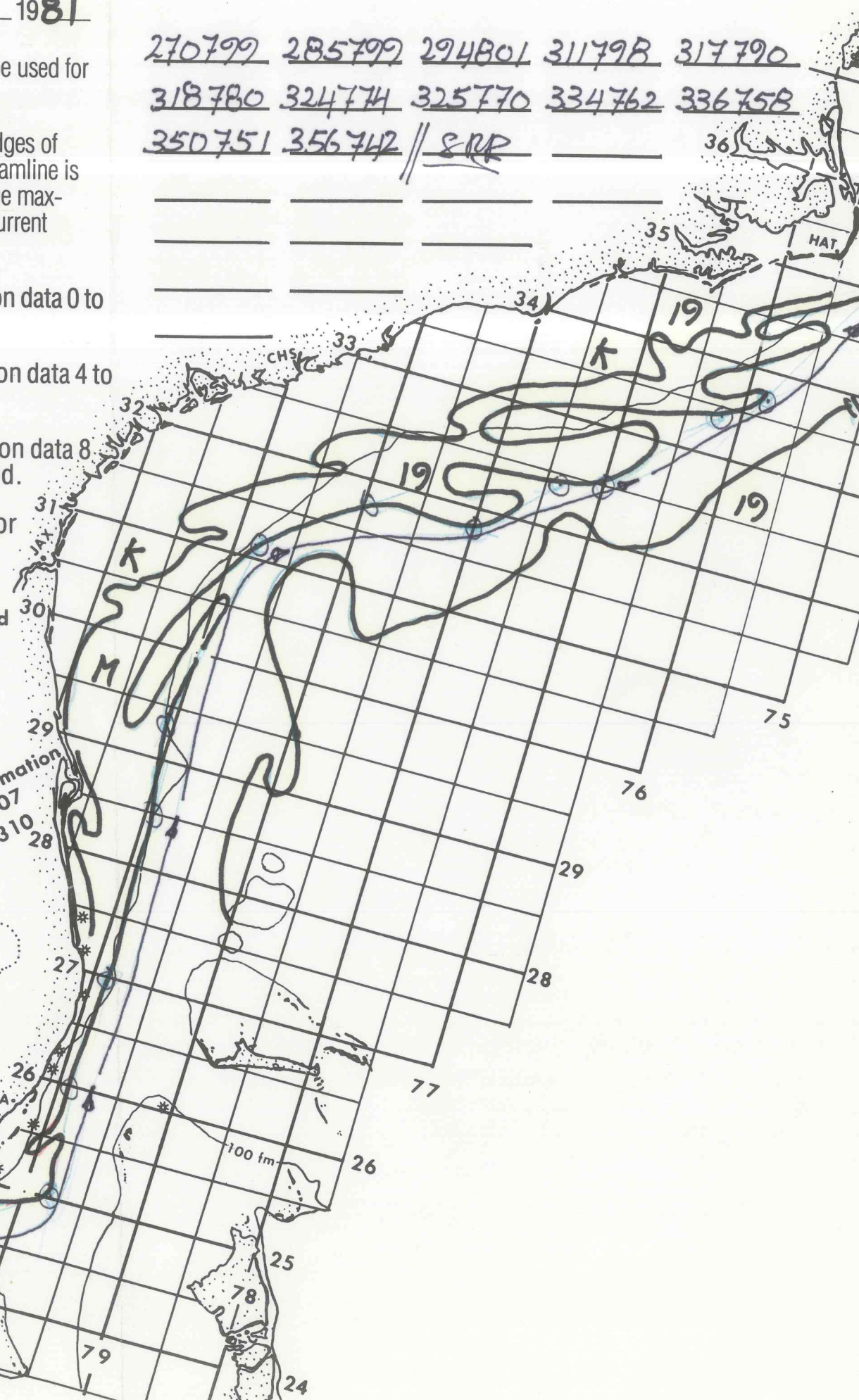
(....) Mean position for month.

VK very cold
 K cold
 M mixed
 W warm

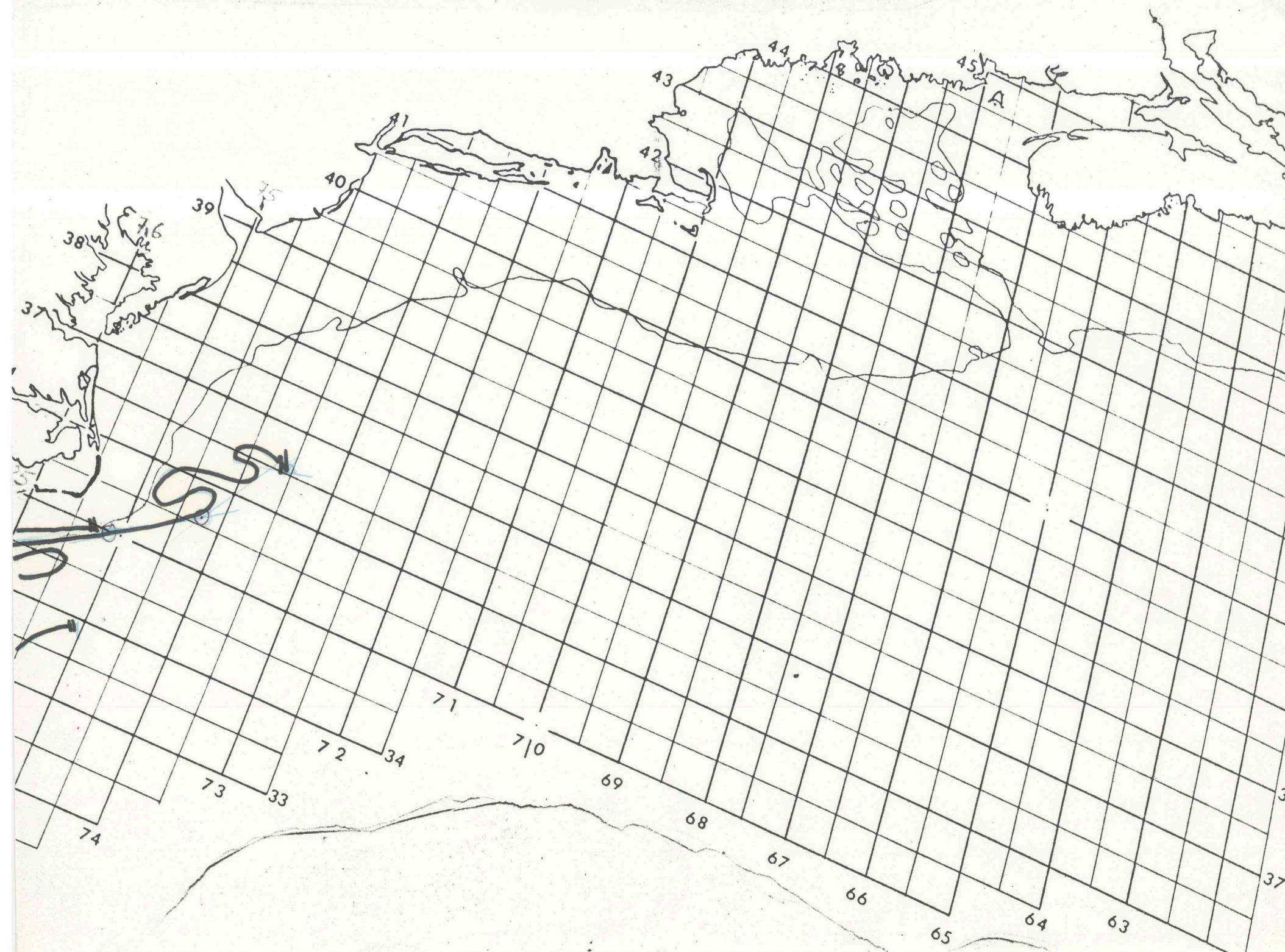
For additional information
 call (305) 665-4707
 FTS 350-4310

GULF STREAM SYSTEM FLOW CHART # 2450

270799 285799 294801 311798 317790
 318780 324774 325770 334762 336758
 350751 356742 // ERP



MIAMI SFSS ANALYSIS OF THE GULF STREAM: 19 JAN 1981 PART B



NNNN

ZCZC WDC632
TBXX40 KNIA 192030

MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT
19 JANUARY 1981.

JAN 19 3 43 PM '81

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

215864 220864 229869 239871 245876 255881 262886 270880
269867 268860 264856 258858 254858 248847 244839 238840
232842 231840 233832 237824 244821 244809 247803 250798
260799.

POSITION BASED ON DATA FROM 19 JAN 81 ...XCP 12 AND 16 JAN 81 BTN
23N AND 25N ALG W EDGE OF LOOP.

COLD MEANDER SW OF DRY TORTUGAS CONTS TO RETREAT.

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

L17/25/N/24. N20/N/N/24. N14/N/N/24. 05/74/N/25. P16/76/N/25.
077/20/N/25.

SMALL MEANDER AT L. SECOND SMALL MEANDER DUE S OF M. LARGE
MEANDER LBBOR Q MOVES EDGE OF STREAM CLOSE TO CUBA
ALONG N SIDE OF THIS FEATURE SHOWS GULFSTREAM WATER ALONG 100 FM
LINE FROM Q TO Q.

BAIG

NNNN↓A

ZCZC WBC892

SXNT1 KWBC 192230

GULF STREM 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 29.4/80.1

31.1/79.8 31.7/79.0 31.8/78.0

32.4/77.4 32.5/77.0 33.4/76.2

33.6/75.8 35.0/75.0 35.6/74.2

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

COLD EDDIES 35.6/59.9/35 NMI. DIAM.

WARM EDDIES 39.4/70.3/80 NMI. DIAM 39.6/66.6/80 NMI DIAM

39.3/6-.5/40 NMI DIAM
LATEST SAT LLITE DATAO 1/19/81 1200Z

JAN 19 6 03 PM '81

NNNNJA
ZCZC WBC866
TBXX40 KMIA 192030

MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT
19 JANUARY 1981.

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

215864 220864 229869 239871 245876 255881 262886 270880
269867 268860 264856 258858 254858 248847 244839 238840
232842 231840 233832 237824 244821 244809 247803 250798
260799.

POSITION BASED ON DATA FROM 19 JAN 81 ...XCP 12 AND 16 JAN 81 BTN
23N AND 25N ALG W EDGE OF LOOP.

COLD MEANDER SW OF DRY TORTUGAS CONTS TO RETREAT.

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

L17/25/M/24. M20/M/M/24. N14/M/M/24. 05/74/M/25. P16/76/M/25.
Q77/20/M/25.

SMALL MEANDER AT L. SECOND SMALL MEANDER DUE S OF M. LARGE
MEANDER BLBBAOK Q MOVES EDGE OF STREAM CLOSE TO CUBA
ALONG N SIDE OF THIS FEATURE SHOWS GULFSTREAM WATER ALONG 100 FM
LINE FROM O TO Q.

BAIG

Date: 19 JAN 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.

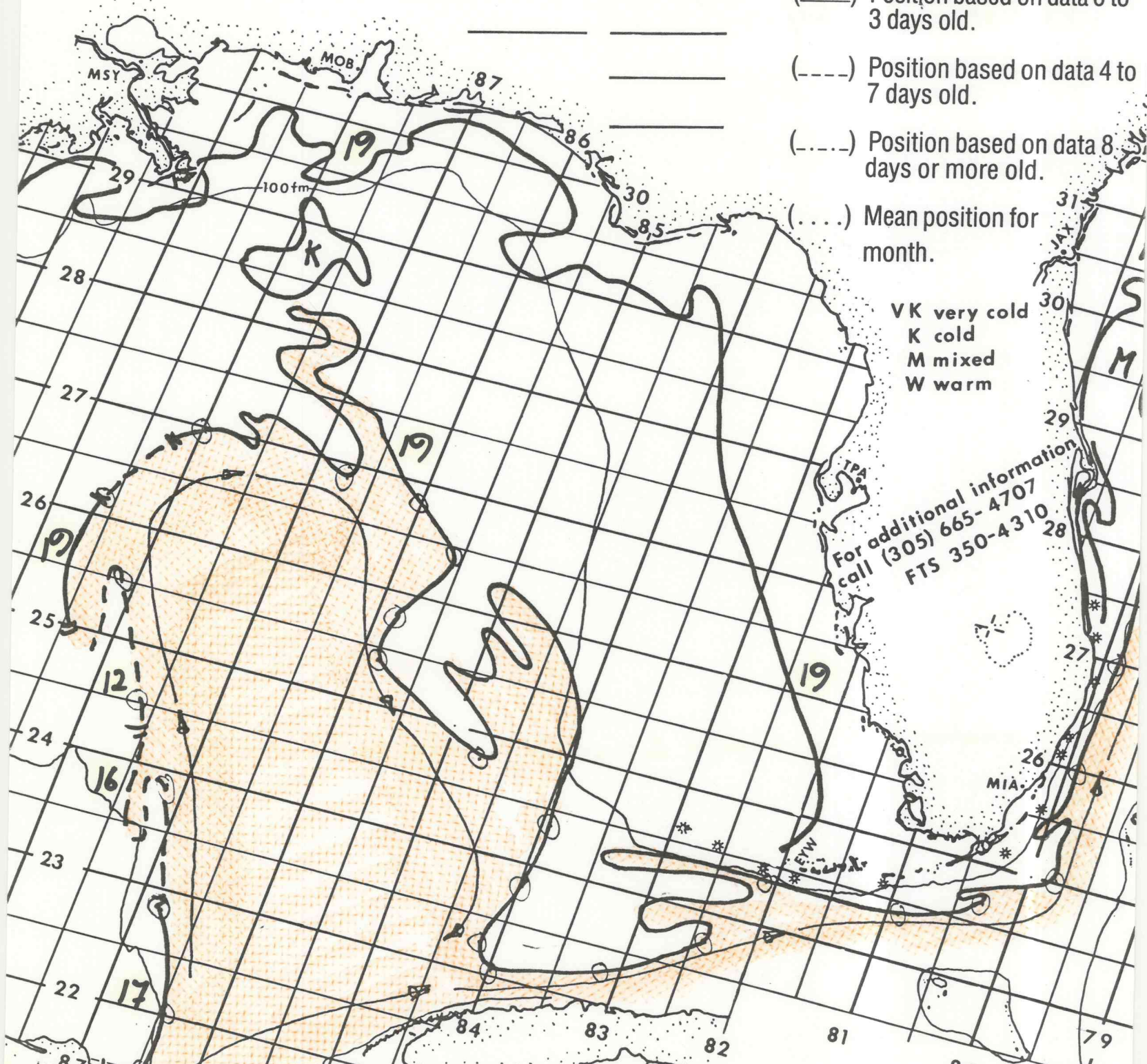
(----) Position based on data 4 to 7 days old.

(.....) 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



Date: 19 JAN 1981

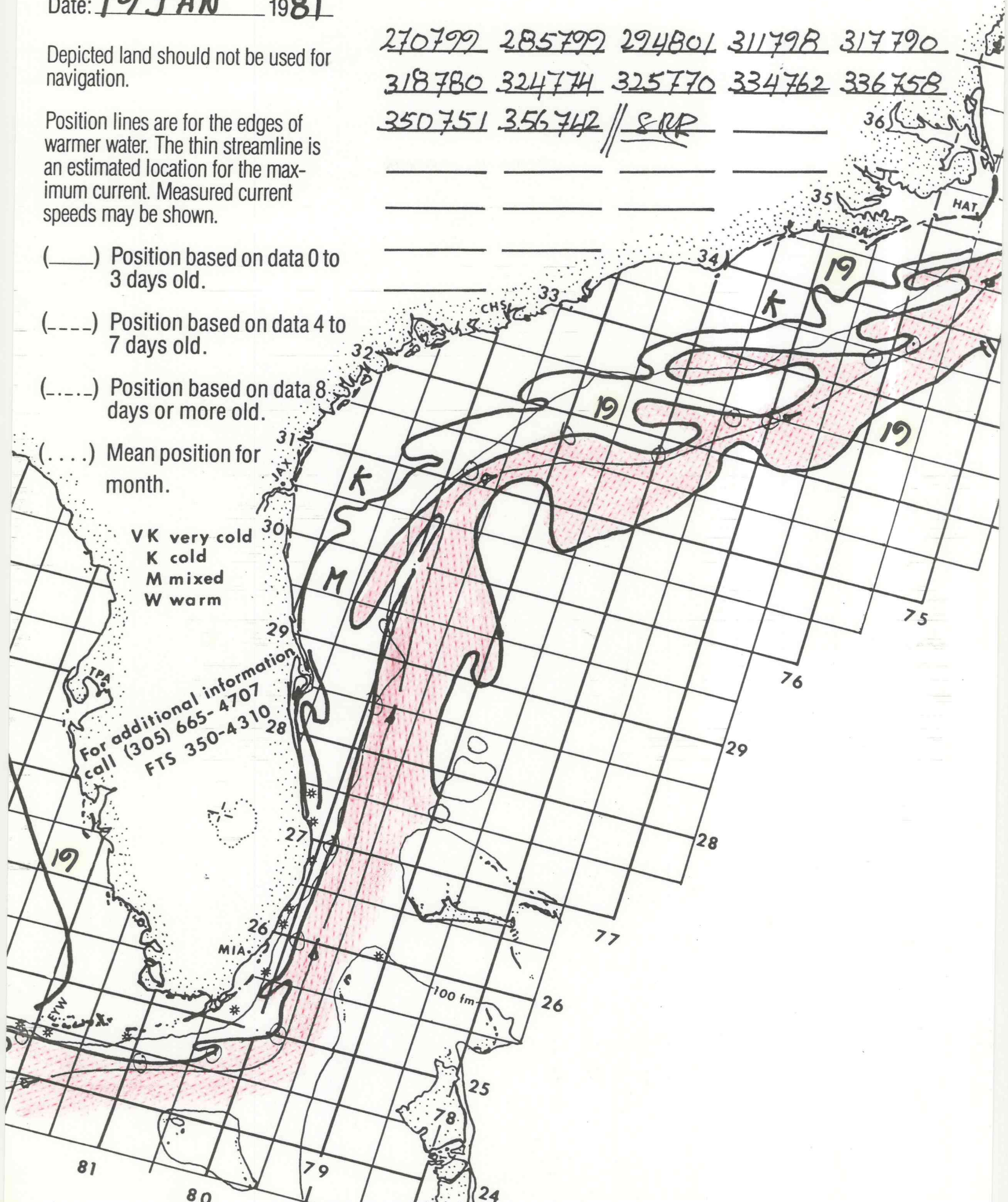
Depicted land should not be used for navigation.

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



Date: 19 JAN 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.

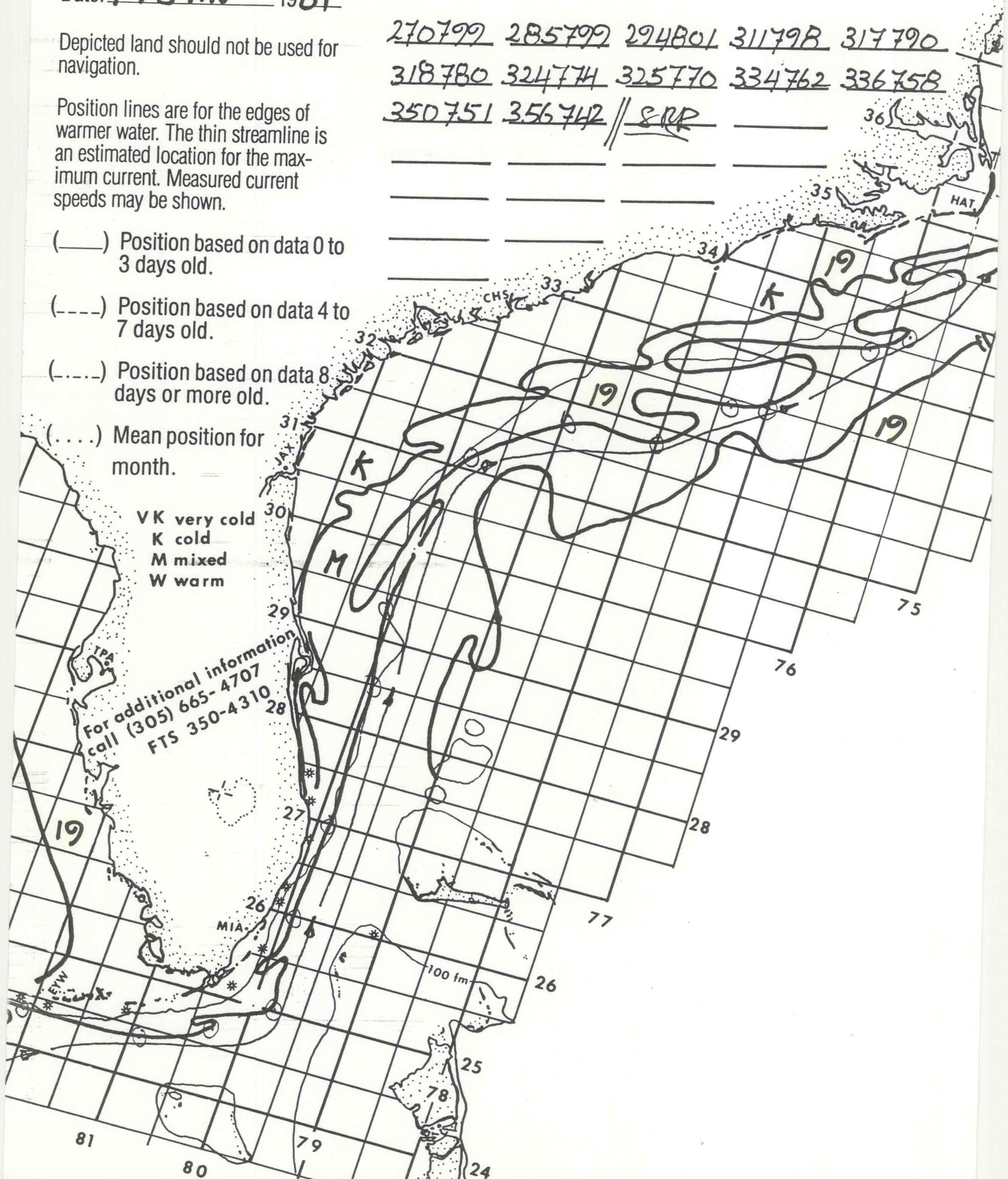
(----) Position based on data 4 to 7 days old.

(.....) 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



ATTACHMENT C

19 JAN 81

Miami SFSS Gulf Stream System selected data for NWR EYW

G 30 / 43 / - / 24 . H 27 / 30 / - / 24 . I 22 / 33 / - / 24 .
J 23 / 30 / - / 24 . K / / / . L 17 / 25 / M / 24 .
M 20 / M / M / 24 . N 14 / M / M / 24 . O 5 / 74 / M / 25 .
P 16 / 76 / M / 25 . Q 77 / 20 / M / 25 .

(Additional comments to describe meanders, eddies and other features to follow main text. Position of these features should be with reference to the aids used in the message.)

Small meander at L. Second small meander due S of M.

Large meander SW of Q moves edge of stream close to Cuba, but ~~meanders~~ fold-back along N side of this feature shows Gulf Stream water along 100 fm line from O to Q.

Meander at G shows GS water shoreward of 100 fm line.

GULF STREAM SYSTEM FLOW CHART # 2450

214863 216862 232867 240871 247876
 255882 266889 268880 267870 266857
 261854 254857 250853 250848 257841
 250838 240837 232839 231837 232832
 236824 243818 247807 251802 255798
 260798

NOAA Miami SFSS

Date: 21 JAN 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.

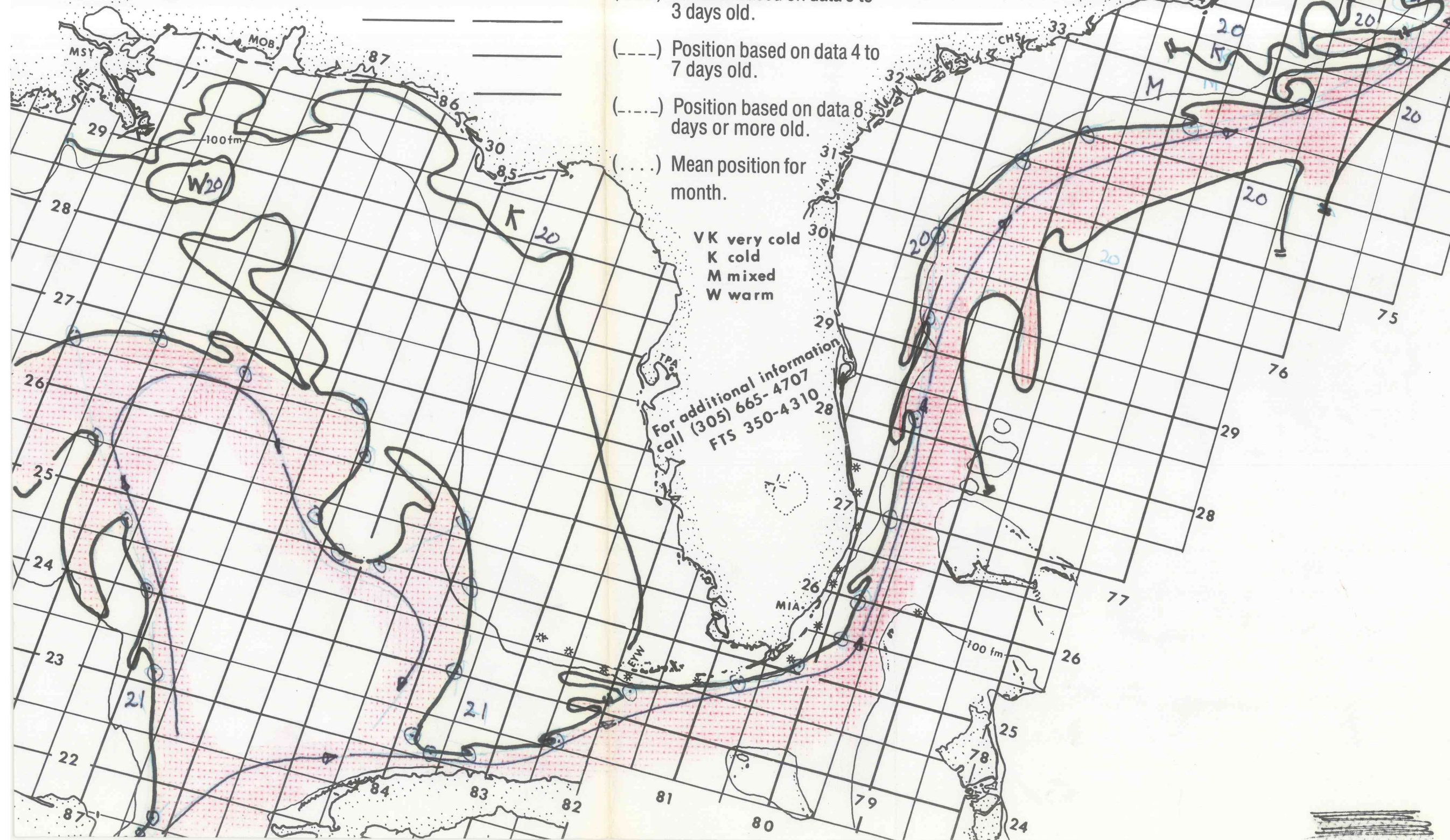
- (——) Position based on data 0 to 3 days old.
- (----) Position based on data 4 to 7 days old.
- (-----) Position based on data 8 days or more old.
- (....) Mean position for month.

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

270797 282798 294800 303802 315795
 320789 324778 330766 340756 352751
 356745 359737 370725 371716
 376707 376694 384679 374669
 34663 377657 390650



ZCZC WBC228
TBXX40 KNIA 211645

MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT
21 JANUARY 1981.

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

JAN 21 11 59 AM '81

214863 216862 232867 240871 247876 255882 266889 268880
267870 266857 261854 254857 250853 250848 257841 250838
240837 232839 231837 232832 236824 243818 247807 251802
255798 260798.

POSITION BASED ON DATA FROM 21 JAN 81.

COLD MEANDER SW OF DRY TORTUGAS CONTS TO RETREAT.

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

L20/24/N/24. N 6/48/N/24. N 3/50/N/25. 015/47/N/25. P35/39/N/25.
080/18/N/25.

LARGE MEANDER SW OF O MOVES STREAM CLOSE TO CUBA...BUT FOLDBACK
ALONG N EDGE OF THIS FEATURE SHOWS GULFSTREAM WATER ALONG 100 FM
LINE FROM N TO O.

BAIG

361-4449

NNNN↓A

ZCZC WBC390

SXNT1 KWBC 212150

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

27.0/79.7	28.2/79.8	29.4/80.0	30.3/80.2
31.5/79.5	32.0/78.9	32.4/87.8	33.0/76.6
34.0/75.6	35.0/75.0	35.4/74.5	36.0/73.5
37.0/72.7	37.4/71.6	37.6/70.7	37.4/69.4
38.2/67.9	37.4/66.9	38.2/66.3	37.4/65.6
38.3/65.0			

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

COSD B5.6/59.9/35 NMI@ DIAM@ 33.8/73.9/80 NMI@ DIAMM

WARM EDDIESO 39.2/71.3/80 NMI@ DIAM@ 39.6/66.6/80 NMI@ DIAM@

39.3/63.5/140 NMI DIAM

LATEST SATELLITE DATAO 1.21/81 1200Z

Date: 21 JAN 1981

214863 216862 232867 240871 247876
255882 266889 268880 267870 266857
261854 254857 250853 250848 257841
250838 240837 232839 231837 232832
236824 243818 247807 251802 255798
260798 // _____

Depicted land should not be used for navigation.

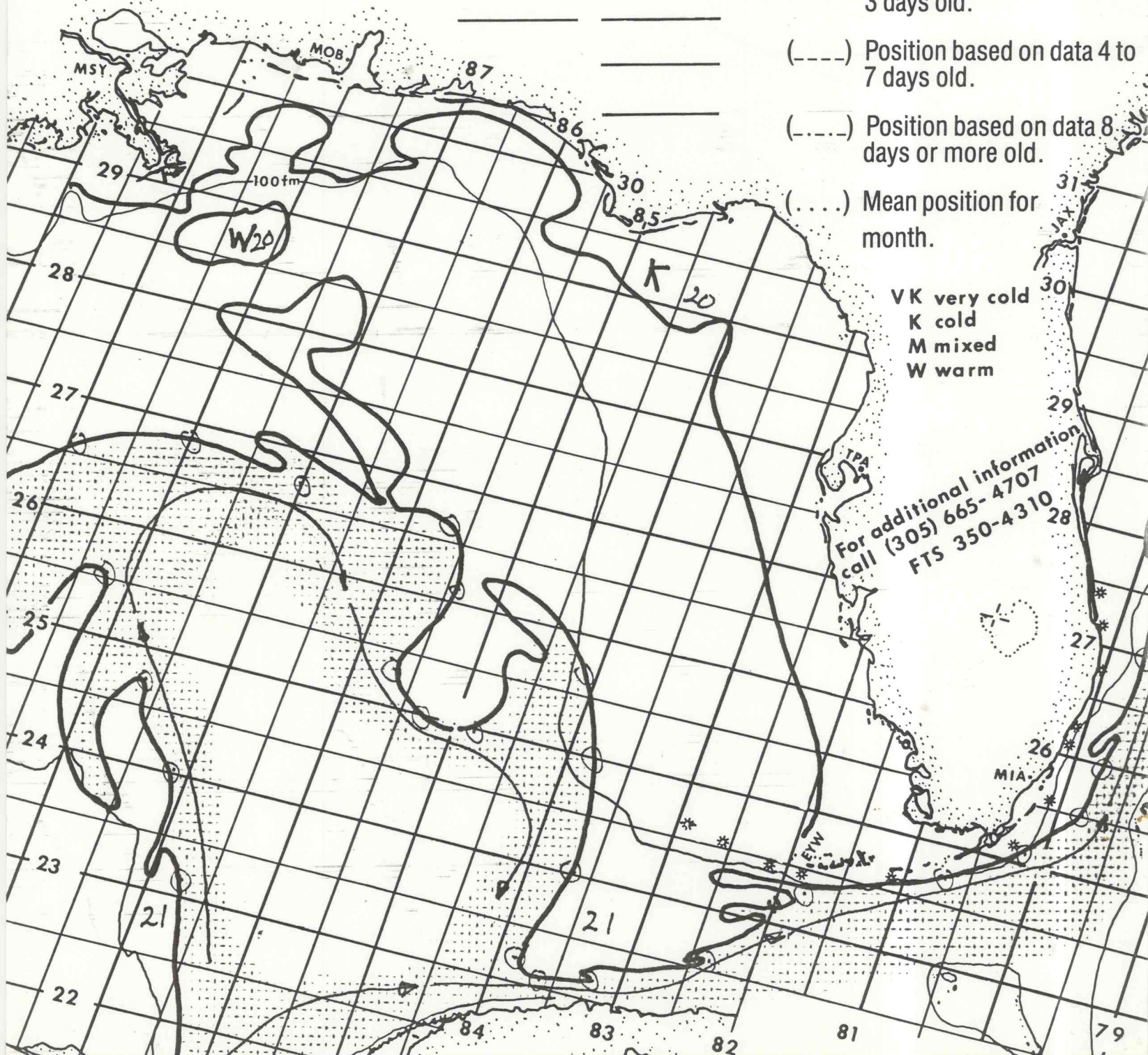
Position lines are for the edges of warmer water. The thin streamline is an estimated location for the maximum current. Measured current speeds may be shown.

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

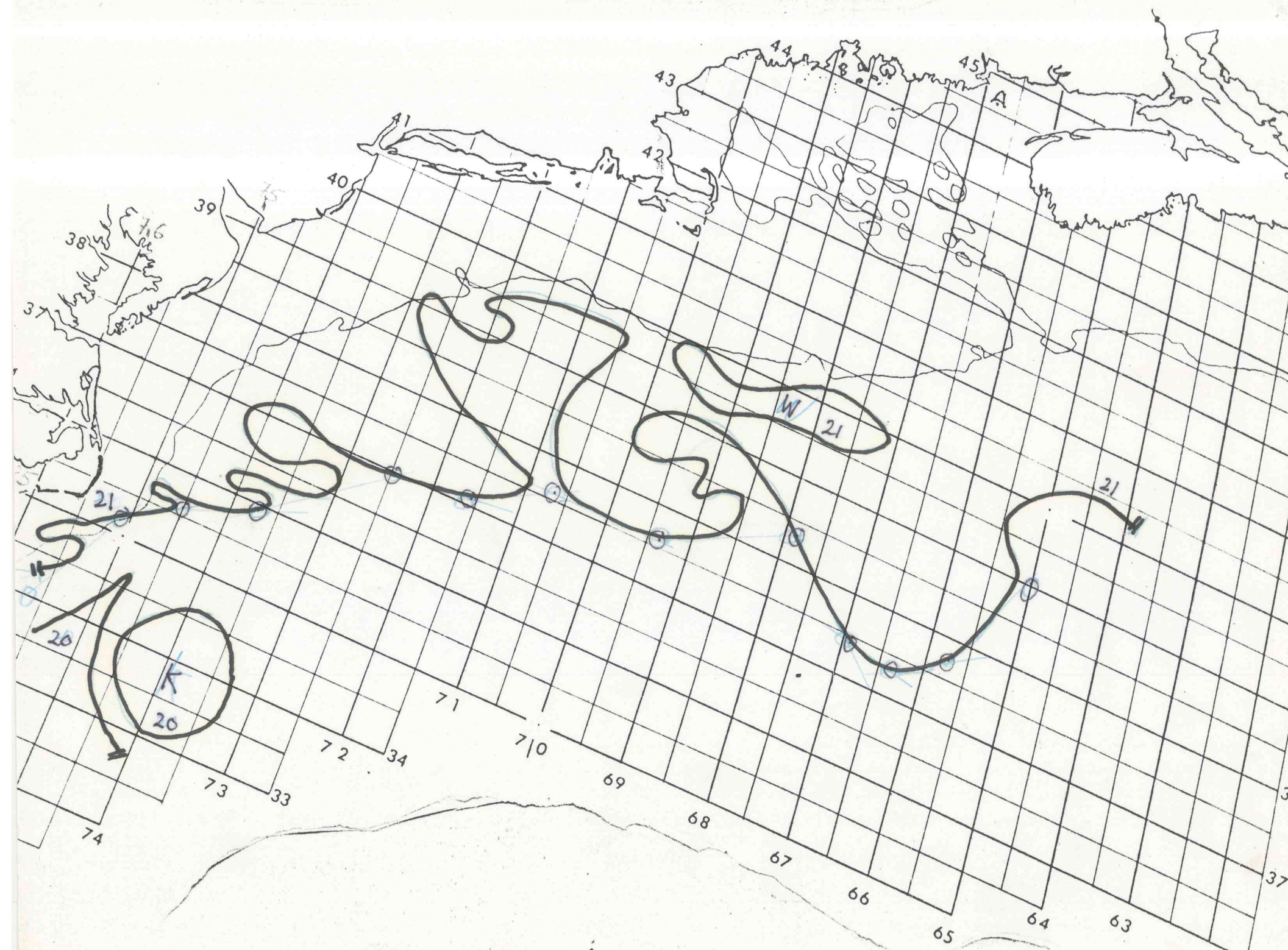
(----) Position based on data 4 to 7 days old.

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

(....) Mean position for month.



MIAMI SFSS ANALYSIS OF THE GULF STREAM: 21 JAN 1981 PART B





21 JAN 81

ATTACHMENT C

Miami SFSS Gulf Stream System selected data for NWR

G ____ / ____ / ____ / ____ . H ____ / ____ / ____ / ____ . I ____ / ____ / ____ / ____ .
J ____ / ____ / ____ / ____ . K 22 / 30 / M / 24⁷⁵ . L 20 / 24 / M / 24⁷⁵ .
M 06 / 48 / M / 24⁷⁵ . N 03 / 50 / M / 25⁷⁷ . O 15 / 47 / M / 25 .
P 35 / 39 / M / 25 . Q 80 / 18 / M / 25 .

(Additional comments to describe meanders, eddies and other features to follow main text. Position of these features should be with reference to the aids used in the message.)

Small meander along shoreward edge E of K.

Large meander SW of Q moves stream close to Cuba... but fold back along N edge this feature shows Gulf Stream water along 100 fm line from M to O.

J M

GULF STREAM SYSTEM FLOW CHART # 2450

215863 219863 232868 239871 246879
 255883 267885 268875 268865 265855
 260854 254857 250855 250850 254839
 244836 235837 233834 239821 244817
 244809 247806 250802 253799 255798
 260797//

NOAA Miami SFSS

Date: 23 JAN 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.

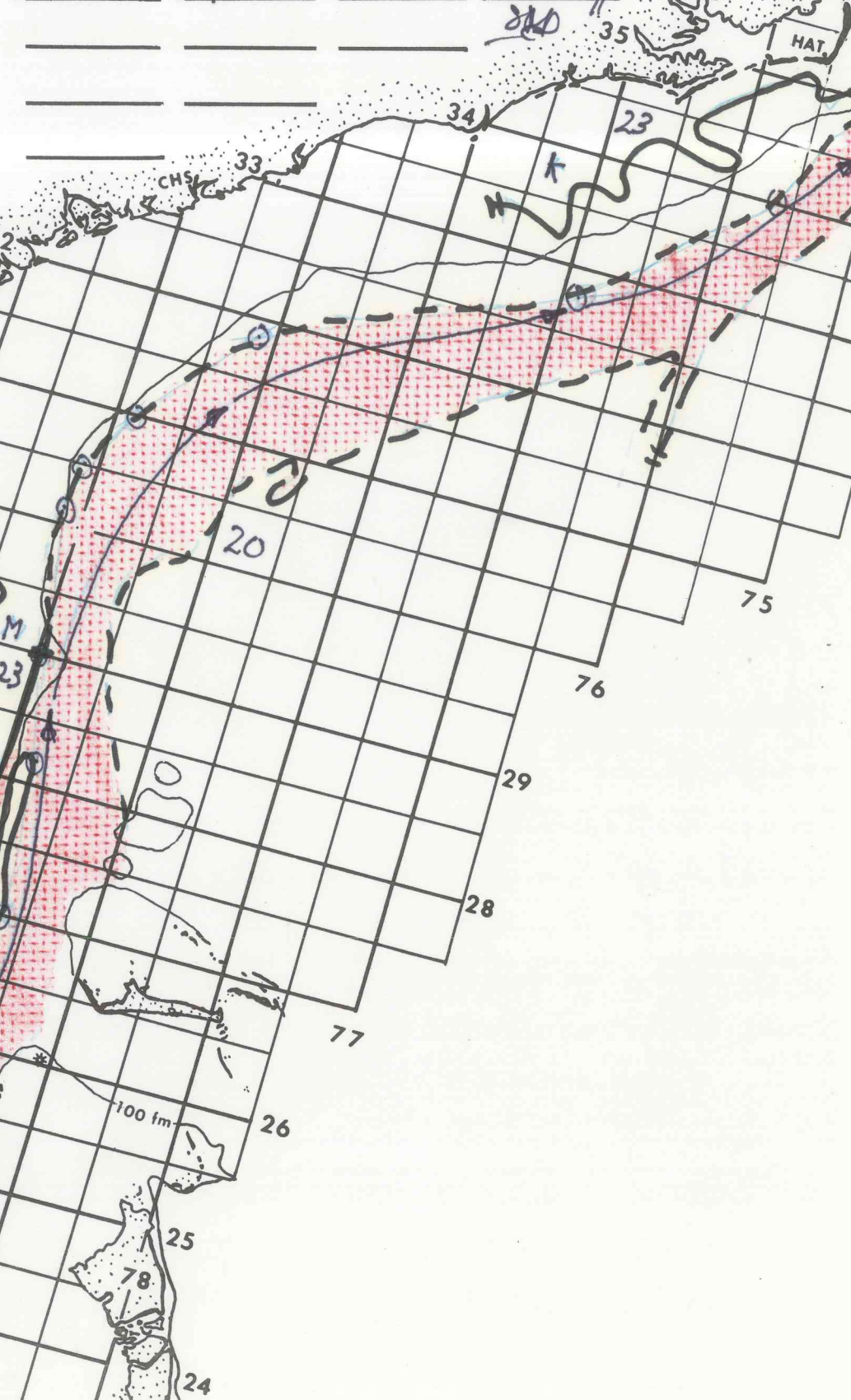
(....) Mean position for month.

VK very cold
 K cold
 M mixed
 W warm

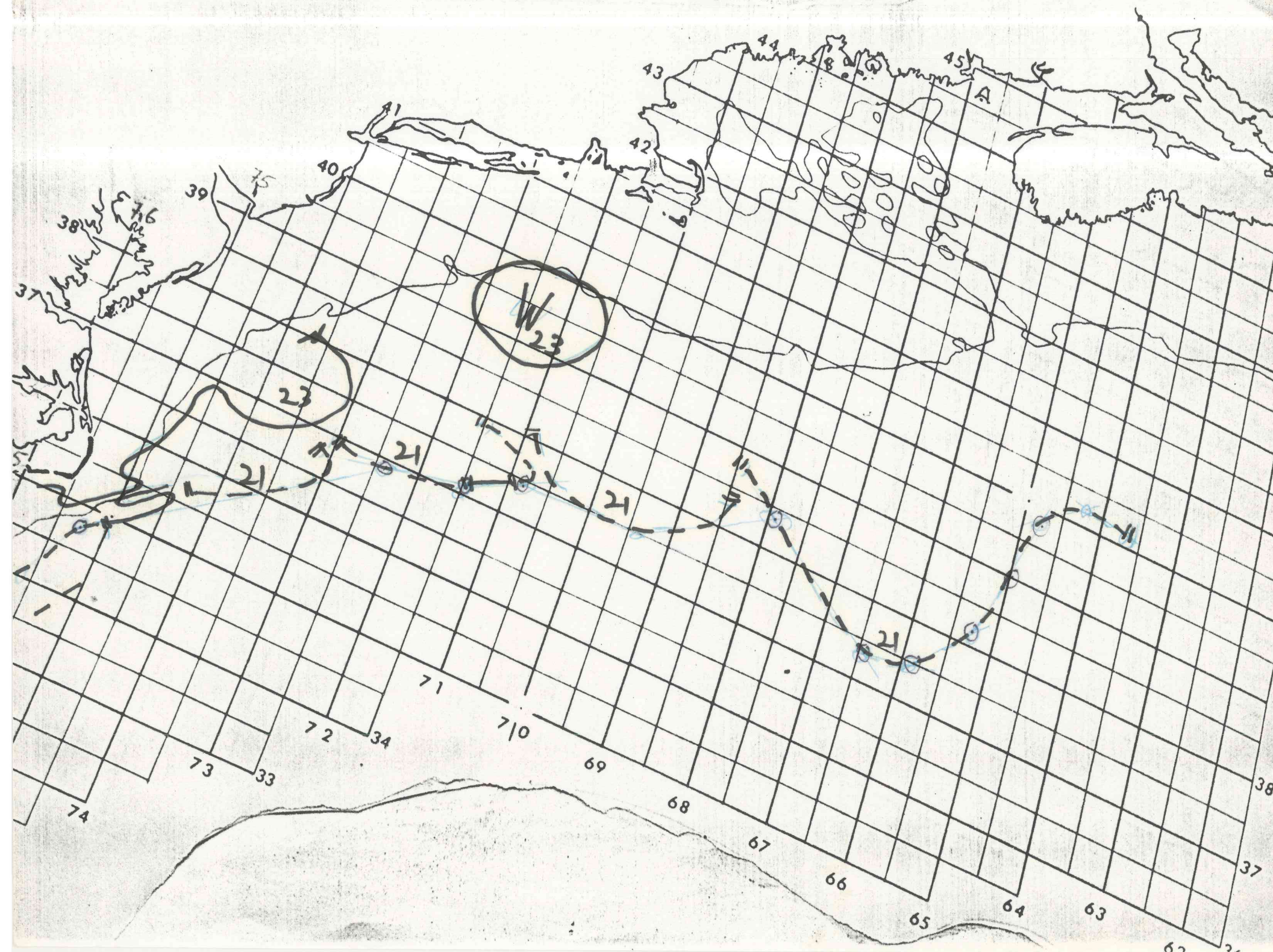
For additional information
 call (305) 665-4707
 FTS 350-4310

GULF STREAM SYSTEM FLOW CHART # 2450

270797 282798 290800 301801 305801
 310799 319791 323769 340756 348753
 369724 371715 375708 384680 36
 374665 375659 382652 390650//



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



Date: 23 JAN 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.

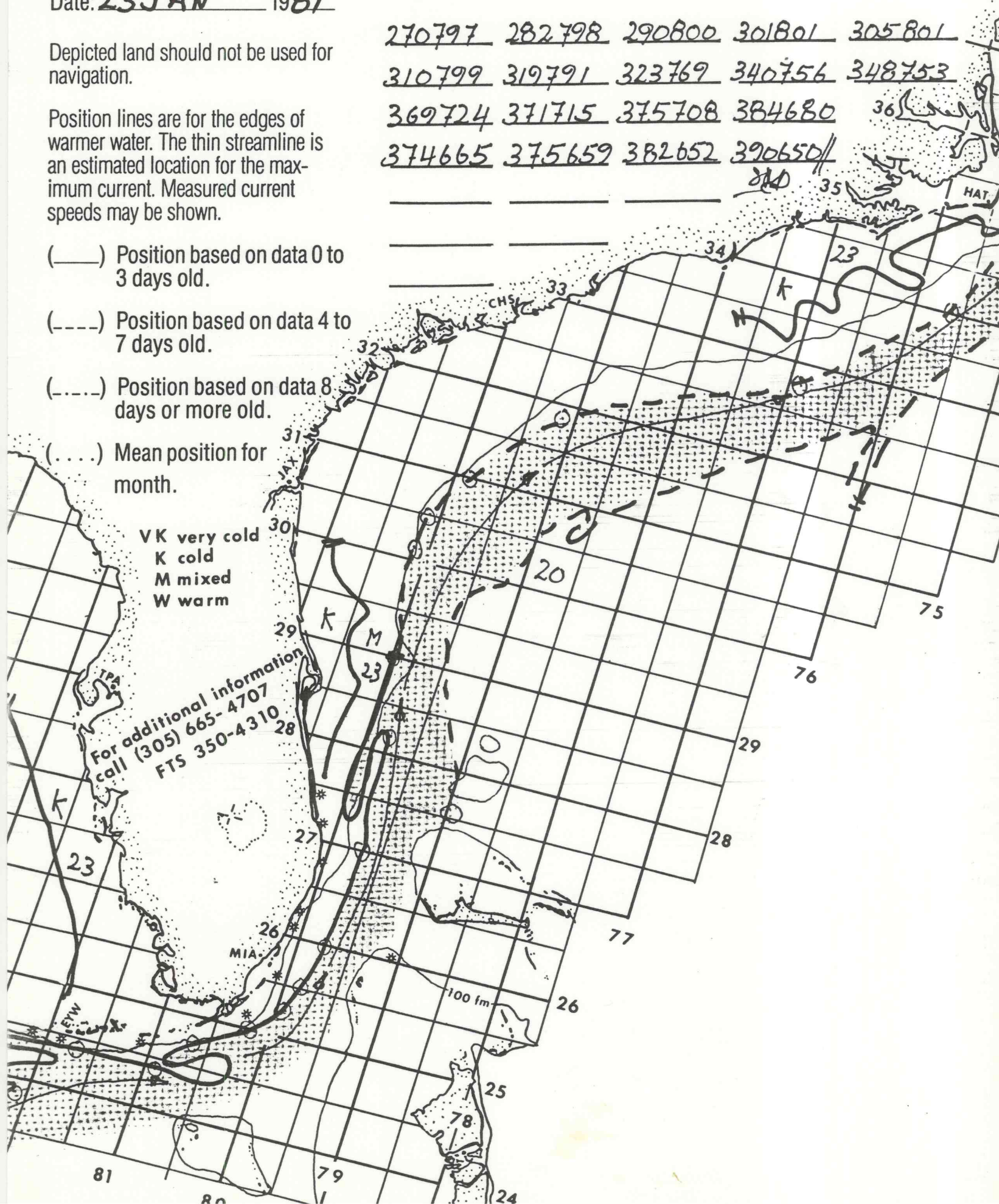
(-----) Position based on data 4 to 7 days old.

(.....) 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



NNNN

ZCZC WBC843
TBXX40 KMIA 231545

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

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

215863 219863 232868 239871 246879 255883 267885 268875
268865 265855 260854 254857 250855 250850 254839 244836
235837 233834 239821 244817 244809 247806 250802 253799
255798 260797.

POSITION BASED ON DATA FROM 21 THRU 23 JAN 81.

COLD MEANDER SW OF DRY TORTUGAS CONTS TO RETREAT.
WARM EDDY 2 DEG DIAM CENTRED NR 23.3N 93.7W.

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

L17/26/M/24. M10/30/M/24. N12/41/M/25. 015/51/M/25. P36/40/M/25.
Q72/24/M/25.

LARGE MEANDER SW OF Q MOVES STREAM CLOSE TO CUBA...BUT FOLDBACK
ALONG N EDGE OF THIS FEATURE SHOWS GULFSTREAM WATER ALONG 100 FM
LINE BTN M AND N AND BTN P AND Q. THIN OVERRUNNING COLD PLUME BTN
N AND O MOVES GULFSTREAM OFFSHORE AS MUCH AS 22 MI.

BAIG

3507229

305 683 3032

PRE G-J

R+R??

JAN 23 10 58 AM '81

NNNN+A
ZCZC WBC820
TBXX40 KMIA 231545 AMD

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

CODED POINTS GIVE LATITUDE/LONGITUDE ALONG THE COASTWARD

JAN 23 2 48 PM '81

EDGE OF THE WARMER WATER....

215863 219863 232868 239871 246879 255883 267885 268875

268865 265855 260854 254857 250855 250850 254839 244836
235837 233834 239821 244817 244809 247806 250802 253799

255798 260797.

POSITION BASED ON DATA FROM 21 THRU 23 JAN 81.

COLD MEANDER SW OF DRY TORTUGAS CONTS TO RETREAT.
WARM EDDY 2 DEG DIAM CENTRED NR 23.3N 93.7W.

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

G30/43/M/24. H27/30/M/24. I22/33/M/24
J23/30/M/24. L17/26/M/24. M10/30/M/24. N12/41/M/25. O15/51/M/25.
P36/40/M/25.
Q72/24/M/25.

MEANDER AT G SHOWS GS WATER SHOREWARD OF 100 FM CURVE.
LARGE MEANDER SW OF Q MOVES STREAM CLOSE TO CUBA...BUT FOLDBACK
ALONG N EDGE OF THIS FEATURE SHOWS GULFSTREAM WATER ALONG 100 FM
LINE BTN M AND N AND BTN P AND Q. THIN
OVERRUNNING COLD PLUME BTN N AND O MOVES GULFSTREAM OFFSHORE AS

MUCH AS
22 MI.

BAIG

NNNN

ZCZC WBC897
TRXX40 KMIA 231545 AMD

JAN 23 2 59 PM '81

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

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

215863 219863 232868 239871 246879 255883 267885 268875
268865 265855 260854 254857 250855 250850 254839 244836
235837 233834 239821 244817 244809 247806 250802 253799
255798 260797.

POSITION BASED ON DATA FROM 21 THRU 23 JAN 81.

COLD MEANDER SW OF DRY TORTUGAS CONTS TO RETREAT.
WARM EDDY 2 DEG DIAM CENTRED NR 23.3N 93.7W.

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

G30/43/M/24. H27/30/M/24. I22/33/M/24
J23/30/M/24. L17/26/M/24. M10/30/M/24. N12/41/M/25. O15/51/M/25.
P36/40/M/25.
Q72/24/M/25.

MEANDER AT G SHOWS GS WATER SHOREWARD OF 100 FM CURVE.
LARGE MEANDER SW OF Q MOVES STREAM CLOSE TO CUBA...BUT FOLDBACK
ALONG N EDGE OF THIS FEATURE SHOWS GULFSTREAM WATER ALONG 100 FM
LINE BTN M AND N AND BTN P AND Q. THIN
OVERRUNNING COLD PLUME BTN N AND O MOVES GULFSTREAM OFFSHORE AS
MUCH AS
22 MI.

BAIG

NNNN

GULF STREAM SYSTEM FLOW CHART # 2450

215863 221864 232868 242873 249879
 260882 273876 274868 270862 260860
 251855 250851 255840 250837 243835
 235831 234827 237818 242816 244811
 246803 251798 260797//

NOAA Miami SFSS

Date: 26 JAN 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.

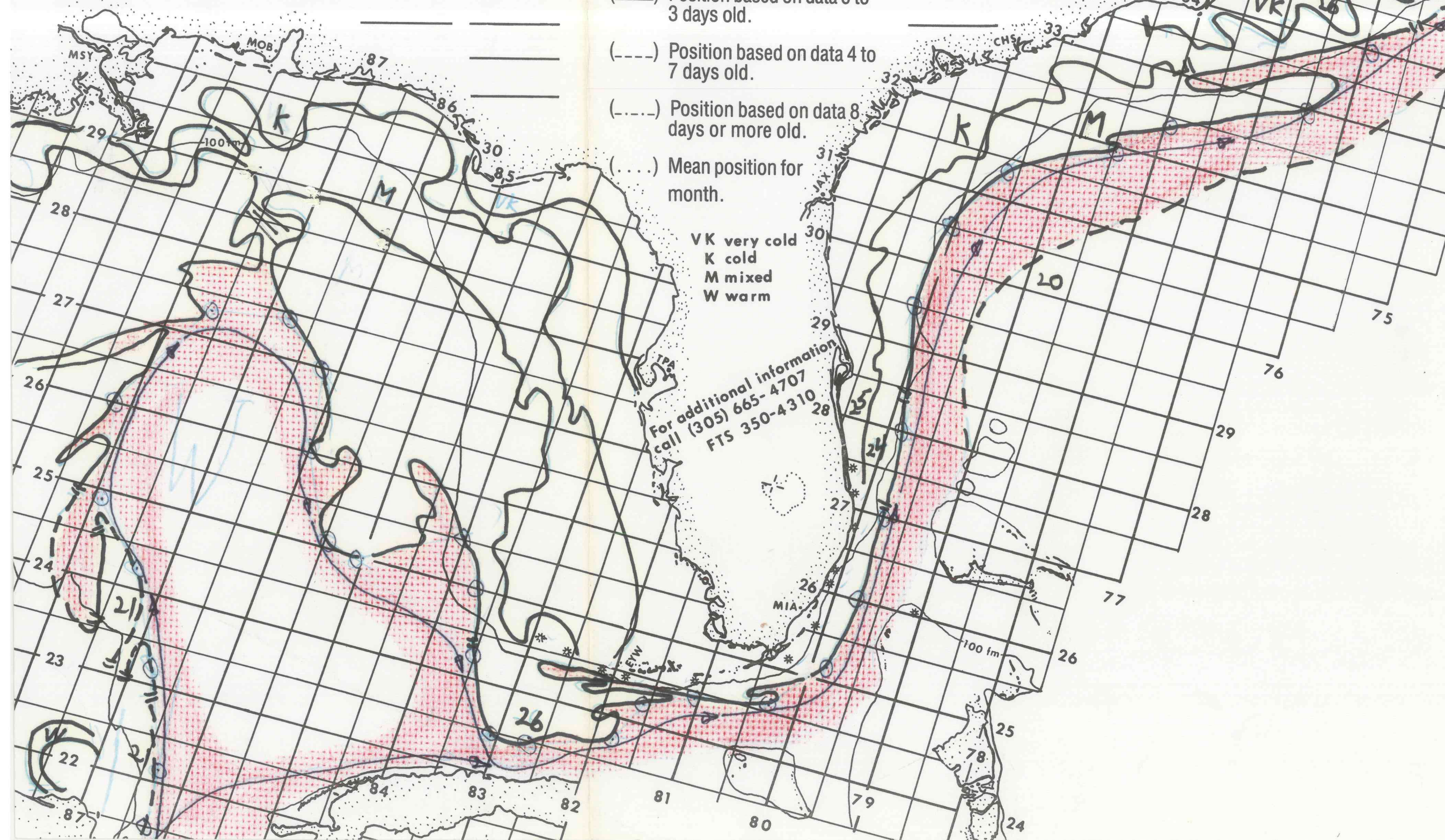
(....) Mean position for month.

VK very cold
 K cold
 M mixed
 W warm

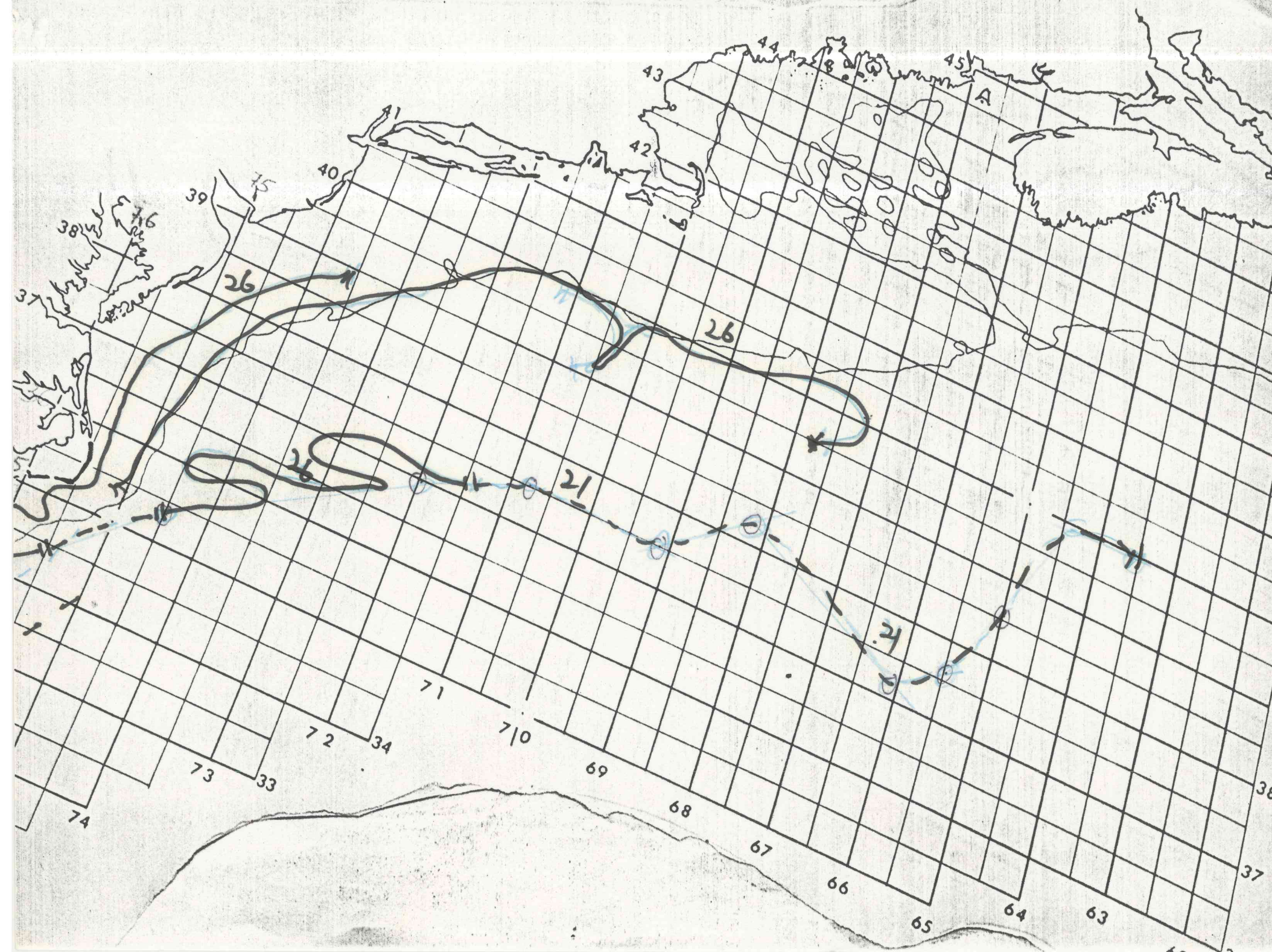
For additional information
 call (305) 665-4707
 FTS 350-4310

GULF STREAM SYSTEM FLOW CHART # 2450

270797 280798 295802 305801 314796
 320785 324779 330765 340759 354745
 370720 375708 375691 382682 36
 372661 376655 385650// SLD



MIAMI SFSS ANALYSIS OF THE GULF STREAM: 26 JAN 1981 PART B



NNNN+A

ZCZC WBC486

SXNT1 KWBC 262003

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

27.0/79.7 28.0/79.8 29.5/80.2 30.5/80.1
31.4/79.6 32.0/78.5 32.4/77.9 33.0/76.5
34.0/75.9 34.3/75.4 35.8/75.4 35.4/74.5
37.0/72.0 37.5/70.8 37.5/69.1 38.2/68.2
37.4/66.6 37.6/65.5 38.3/65.0

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

COLD EDDIES 35.6/59.9/35 NMI. DIAM 33.8/7.9/80 NMI. DIAM.

WARM EDDIES 39.2/71.3/80 NMI. DIAM 39.6/67.4/80 NMI DIAM 39.4/63.5/
140 NMI. DIAM

23.3/93/61/55 NMI. DIAM

LATEST SATELLITE DATA 1/26/81 1200Z

*Found in garbage
28 Jan 81*

SM

GULF STREAM SYSTEM FLOW CHART # 2450

214866 227866 235874 245877 255880
 264880 271877 266862 261859 255860
 250857 250852 252842 253838 245833
 235831 235828 237817 240814 246813
 246805 248800 255799 260798//

NOAA Miami SFSS

Date: 28 JAN 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.

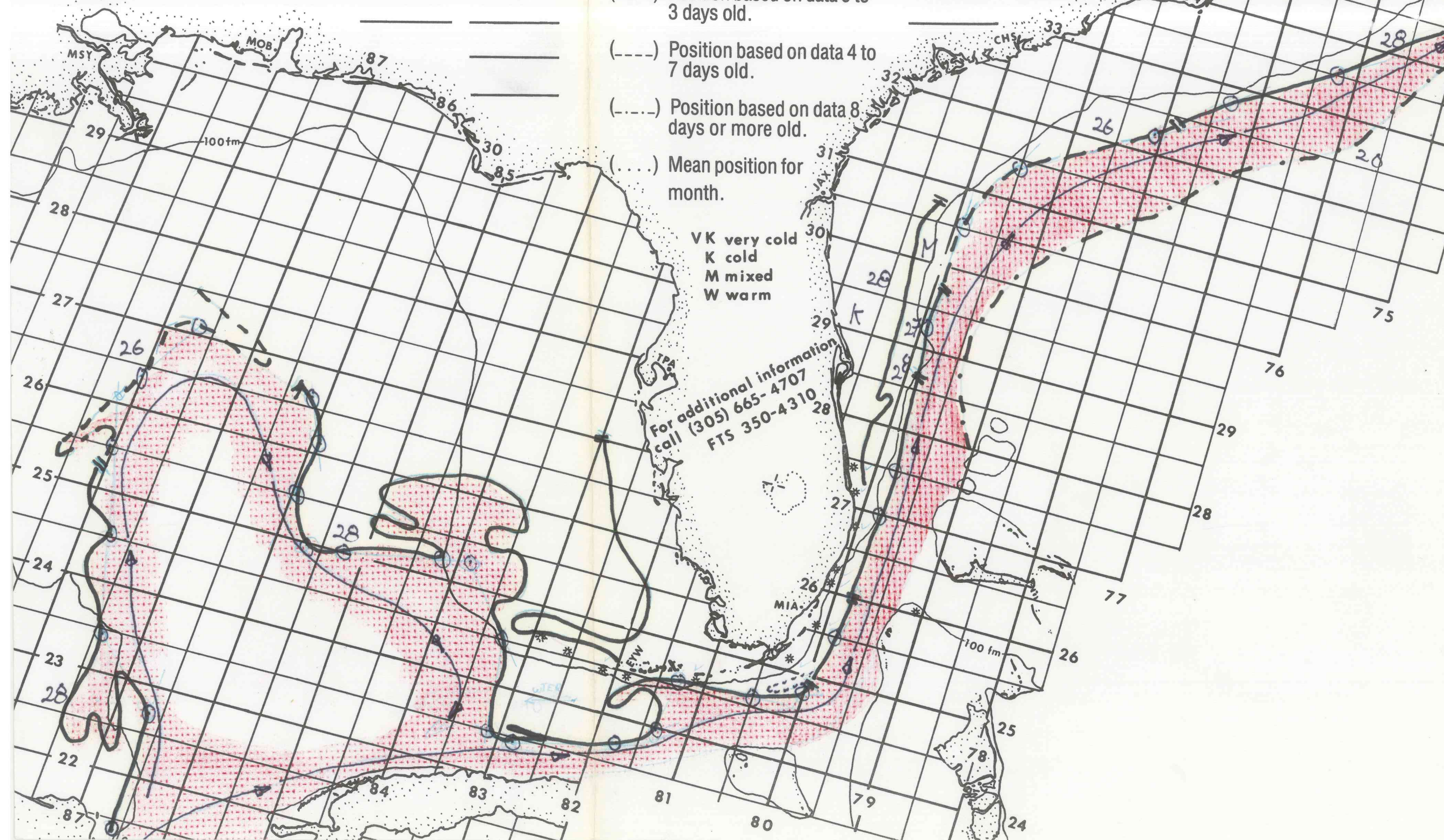
(....) Mean position for month.

VK very cold
 K cold
 M mixed
 W warm

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

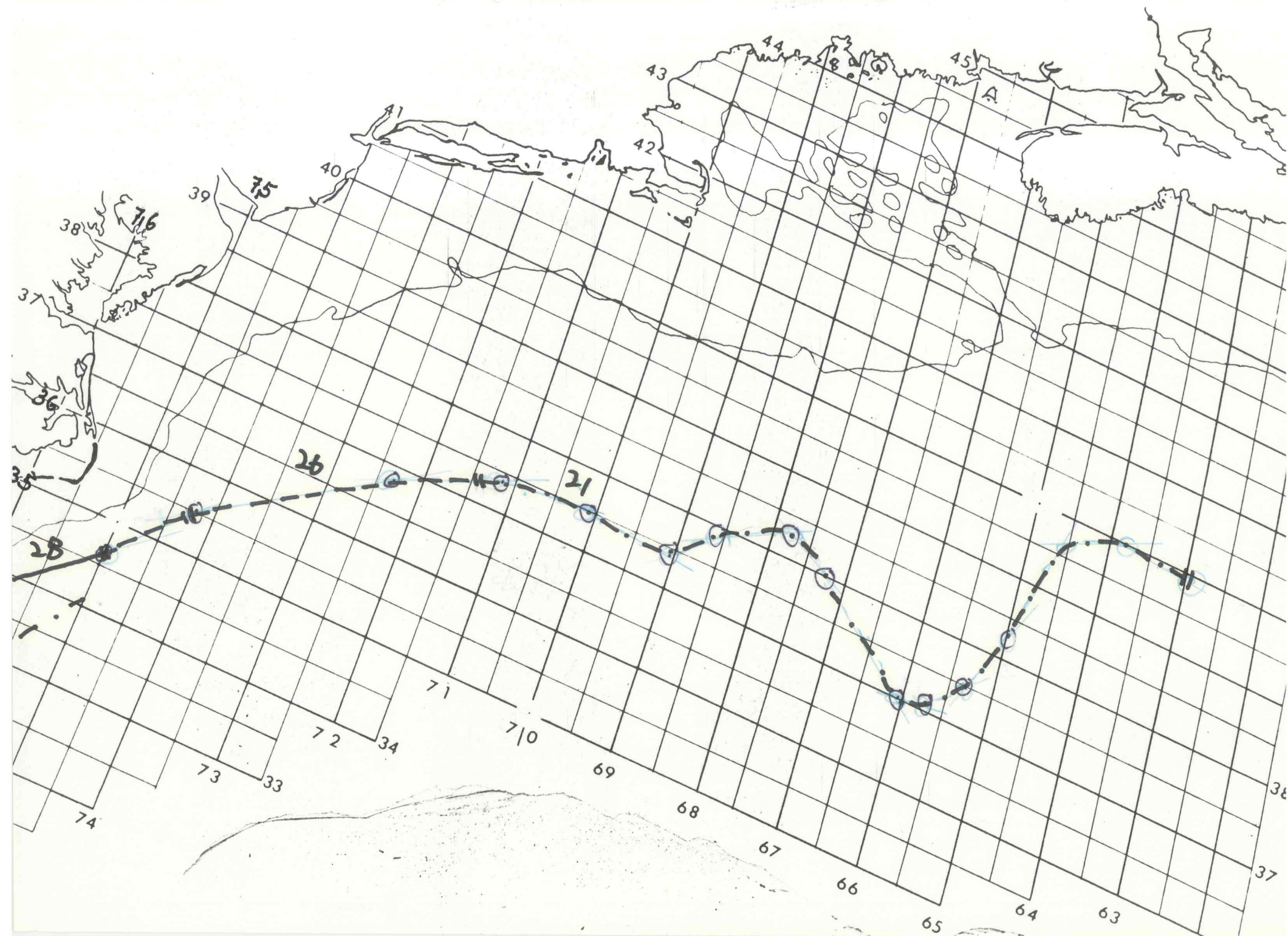
GULF STREAM SYSTEM FLOW CHART # 2450

270798 275798 293799 306799 314795
 322781 328778 335762 346750 355742
 369723 374711 375701 375690 361700
 379686 383678 380672 370660
 371657 375659 382650//SEP 35



MIAMI SFSS ANALYSIS OF THE GULF STREAM: 28 JAN 81 19

PART B



NNNN

IVANV

ZCZC

SXNT1 KWBC 282100

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

27.0/79.8	27.5/79.8	29.3/79.9	30.6/79.9
31.4/79.5	32.2/78.1	32.8/77.8	33.5/76.2
34.6/75.2	35.5/74.8	36.5/73.6	36.9/72.3
37.5/71.7	37.5/70.1	37.5/69.0	37.8/68.6
38.1/67.5	38.0/67.2	37.4/66.0	37.3/65.7
38.0/65.0			

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

COLD EDDIES 35.6/59.9/35 NMI. DIAM.
WARM EDDIES 39.2/71.6/80 NMI. DIAM. 39.6/67.4/80 NMI. DIAM.
39.4/63.5/140 NMI. DIAM. 23.3/93.6/155 NMI. DIAM.

LATEST SATELLITE DATA 1/28/81 1200Z.

NNNN

ZCZC WBC472

TBXX40 KNIA 281700

MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT
28 JANUARY 1981.

JAN 28 12 26 PM '81

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

214866 227866 235874 245877 255880 264880 271877 266862

261859 255860 250857 250852 252842 253838 245833 235831

235828 237817 240814 246813 246805 248800 255799 260798.

POSITION BASED ON DATA FROM 28 JAN 81 XCP 21 JAN ALG NW EDGE BTN
26N AND 27N.

COLD MEANDER S OF DRY TORTUGAS CONTS TO RETREAT.
WARM EDDY 2 DEG DIAM CENTRED NR 23.3N 93.7W.

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

G28/37/W/24. H23/33/W/24. I13/35/W/24. J16/31/W/24.

K15/32/W/24. L16/26/W/24. H23/37/W/24. N 2/55/W/24. 047/23/W/25.

P53/24/W/25.

074/22/W/25.

SMALL EDDY SE OF M. GULFSTREAM WATER SEEN 14 MI S OF P...ALG N
EDGE OF COLD MEANDER.

BTIG

NNNN+A
ZCZC WBC964
SXNT1 KWBC 282100

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

27.0/79.8	27.5/79.8	29.3/79.9	30.6/79.9
31.4/79.5	32.2/78.1	32.8/77.8	33.5/76.2
34.6/75.2	35.5/74.8	36.5/73.6	36.9/72.3
37.5/71.7	37.5/70.1	37.5/69.0	37.8/68.6
38.1/67.5	38.0/67.2	37.4/66.0	37.3/65.7
38.0/65.0			

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

COLD EDDIES	35.6/59.9/35 NMI. DIAM.	
WARM EDDIES	39.2/71.6/80 NMI. DIAM.	39.6/67.4/80 NMI. DIAM.
	39.4/63.5/140 NMI. DIAM.	23.3/93.6/155 NMI. DIAM.

LATEST SATELLITE DATA 1/28/81 1200Z.

28 JAN 81

G. At Fort Pierce Inlet Lighted Whistle Buoy 2

The shoreward edge of the Gulfstream is 28 miles due east, and the Stream is 37 miles wide. The maximum current is M knots. The maximum Temperature in the Stream is 24 Celcius.

H. At St. Lucie Entrance Lighted Whistle Buoy 2

The shoreward edge of the Gulfstream is 23 miles due east, and the Stream is 34/3 miles wide. The maximum current is - knots. The maximum Temperature in the Stream is 24 Celcius.

I. At Lake Worth Inlet Lighted Bell Buoy 2LW

The shoreward edge of the Gulfstream is 13 miles due east, and the Stream is 35 miles wide. The maximum current is - knots. The maximum Temperature in the Stream is 24 Celcius.

J. At Hillsboro Inlet Light

The shoreward edge of the Gulfstream is 16 miles due east, and the Stream is 30/1 miles wide. The maximum current is - knots. The maximum Temperature in the Stream is 24 Celcius.

K. At Port Everglades Lighted Whistle Buoy 1

The shoreward edge of the Gulfstream is 15 miles due east, and the Stream is 32 miles wide. The maximum current is M knots. The maximum Temperature in the Stream is 24 Celcius.

L. At Fowey Rocks Light

The shoreward edge of the Gulfstream is 16 miles due east, and the Stream is 26 miles wide. The maximum current is - Knots. The maximum Temperature in the Stream is 24 Celcius.

M. At Elbow Reef Light Buoy

The shoreward edge of the Gulfstream is 33 miles southeast, and the Stream is 27 miles wide. The maximum current is - knots. The maximum Temperature in the Stream is 24 Celcius.

N. At Sombrero Key Light

The shoreward edge of the Gulfstream is 02 miles due south, and the Stream is 55 miles wide. The maximum current is - knots. The maximum Temperature in the Stream is 24 Celcius.

ATTACHMENT B - continued

O. At Sand Key Light

The shoreward edge of the Gulfstream is 47 miles due south, and the Stream is 23 miles wide. The maximum current is - knots. The maximum Temperature in the Stream is 25 Celcius.

P. At Cosgrove Shoal Light

The shoreward edge of the Gulfstream is 53 miles due South, and the Stream is 24 miles wide. The maximum current is - knots. The maximum Temperature in the Stream is 25 Celcius.

Q. At Dry Tortugas Light

The shoreward edge of the Gulfstream is 74 miles due south, and the Stream is 22 miles wide. The maximum current is - knots. The maximum Temperature in the Stream is 25 Celcius.

(Major eddies exist between _____ and _____ Lights. Minor meanders can be seen between _____ and _____ Lights, and north of _____ Light).

Small eddy SE of M.

~~GS water seen N of deep cold intrusion~~

GS water seen 14 mi S of D
N edge of cold intrusion

GULF STREAM SYSTEM FLOW CHART # 2450

214865 220866 226866 234875 243878
 248878 252881 259881 269876 274864
 271862 266861 261857 233858 246856
 246852 253841 243834 238834 236829
 235822 237816 243812 245806 249802
 254799 260798//

NOAA Miami SFSS

Date: 30 JAN 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

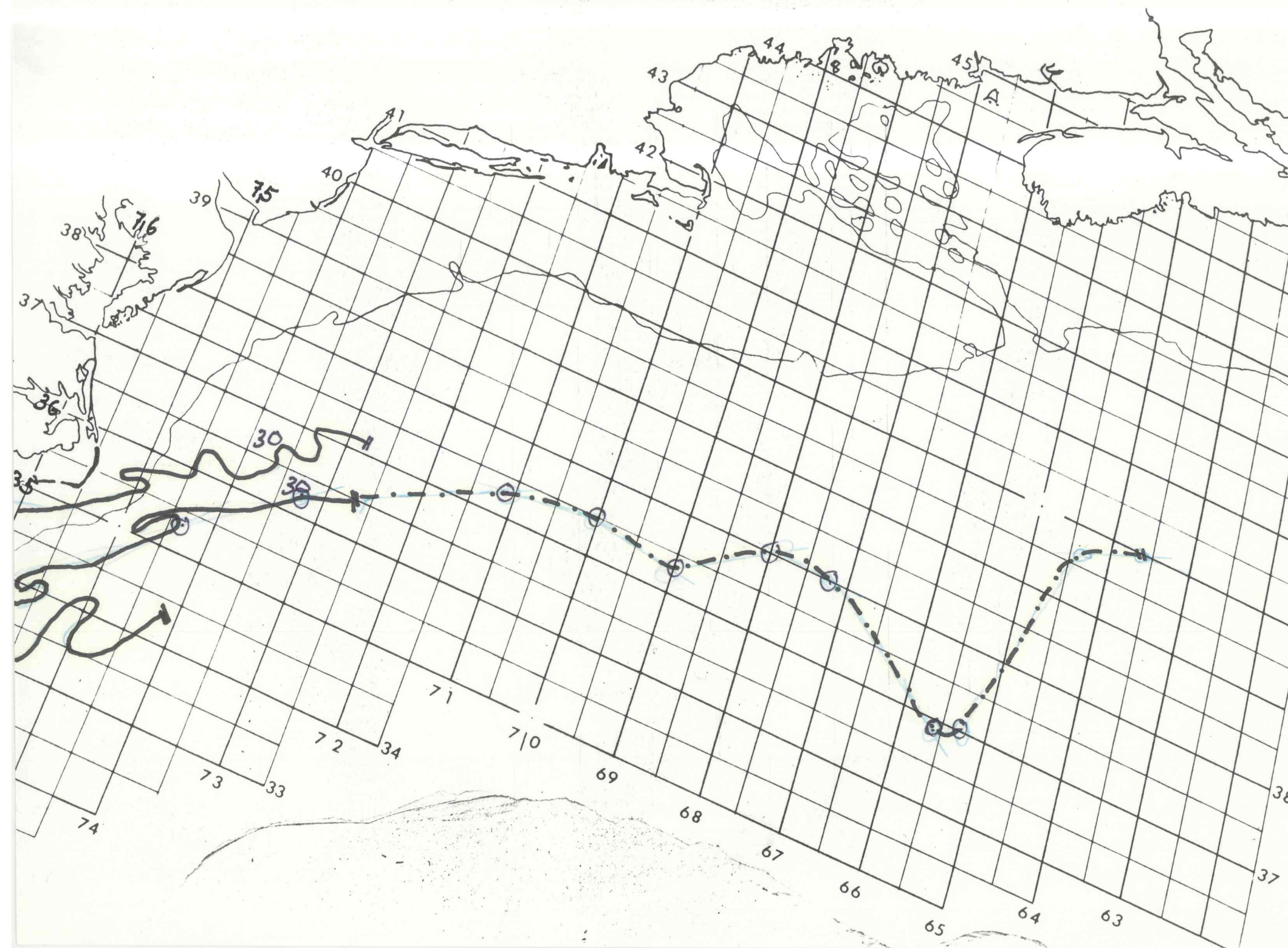
For additional information
 call (305) 665-4707
 FTS 350-4310

GULF STREAM SYSTEM FLOW CHART # 2450

270798 275797 293800 300800 310795
 318795 322788 323778 332770 338756
 354744 363732 374711 375700 36
 378690 380680 380672 370656
 370653 380650// SAP



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



30 JAN 87

ATTACHMENT B - Master suggested message format

G. At Fort Pierce Inlet Lighted Whistle Buoy 2

The shoreward edge of the Gulfstream is 31 miles due east, and the Stream is 36 miles wide. The maximum current is - knots. The maximum Temperature in the Stream is 24 Celcius.

H. At St. Lucie Entrance Lighted Whistle Buoy 2

The shoreward edge of the Gulfstream is 24 miles due east, and the Stream is 31 miles wide. The maximum current is - knots. The maximum Temperature in the Stream is 24 Celcius.

I. At Lake Worth Inlet Lighted Bell Buoy 2LW

The shoreward edge of the Gulfstream is 13 miles due east, and the Stream is 40 miles wide. The maximum current is - knots. The maximum Temperature in the Stream is 24 Celcius.

J. At Hillsboro Inlet Light

The shoreward edge of the Gulfstream is 6 miles due east, and the Stream is 48 miles wide. The maximum current is - knots. The maximum Temperature in the Stream is 24 Celcius.

K. At Port Everglades Lighted Whistle Buoy 1

The shoreward edge of the Gulfstream is 15 miles due east, and the Stream is 36 miles wide. The maximum current is - knots. The maximum Temperature in the Stream is 24 Celcius.

L. At Fowey Rocks Light

The shoreward edge of the Gulfstream is 15 miles due east, and the Stream is 26 miles wide. The maximum current is - Knots. The maximum Temperature in the Stream is 24 Celcius.

M. At Elbow Reef Light Buoy

The shoreward edge of the Gulfstream is 8 miles southeast, and the Stream is 49 miles wide. The maximum current is - knots. The maximum Temperature in the Stream is 24 Celcius.

N. At Sombrero Key Light

The shoreward edge of the Gulfstream is 17 miles due south, and the Stream is 36 miles wide. The maximum current is - knots. The maximum Temperature in the Stream is 25 Celcius.

30 JAN 81

ATTACHMENT B - continued

O. At Sand Key Light

The shoreward edge of the Gulfstream is 48 miles due south, and the Stream is 24 miles wide. The maximum current is - knots. The maximum temperature in the Stream is 25 Celcius.

P. At Cosgrove Shoal Light

The shoreward edge of the Gulfstream is 55 miles due South, and the Stream is 22 miles wide. The maximum current is - knots. The maximum Temperature in the Stream is 25 Celcius.

Q. At Dry Tortugas Light

The shoreward edge of the Gulfstream is 60 miles due south, and the Stream is 34 miles wide. The maximum current is - knots. The maximum Temperature in the Stream is 25 Celcius.

(Major eddies exist between _____ and _____ Lights. Minor meanders can be seen between _____ and _____ Lights, and north of _____ Light).

Small eddy NE of G

Small eddy BTW J+K

~~Low~~
Gulf Stream water within 20 mi
N-thru Q ... ALC N EDGE of COLD
MEANDER.

Date: 30 JAN 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.

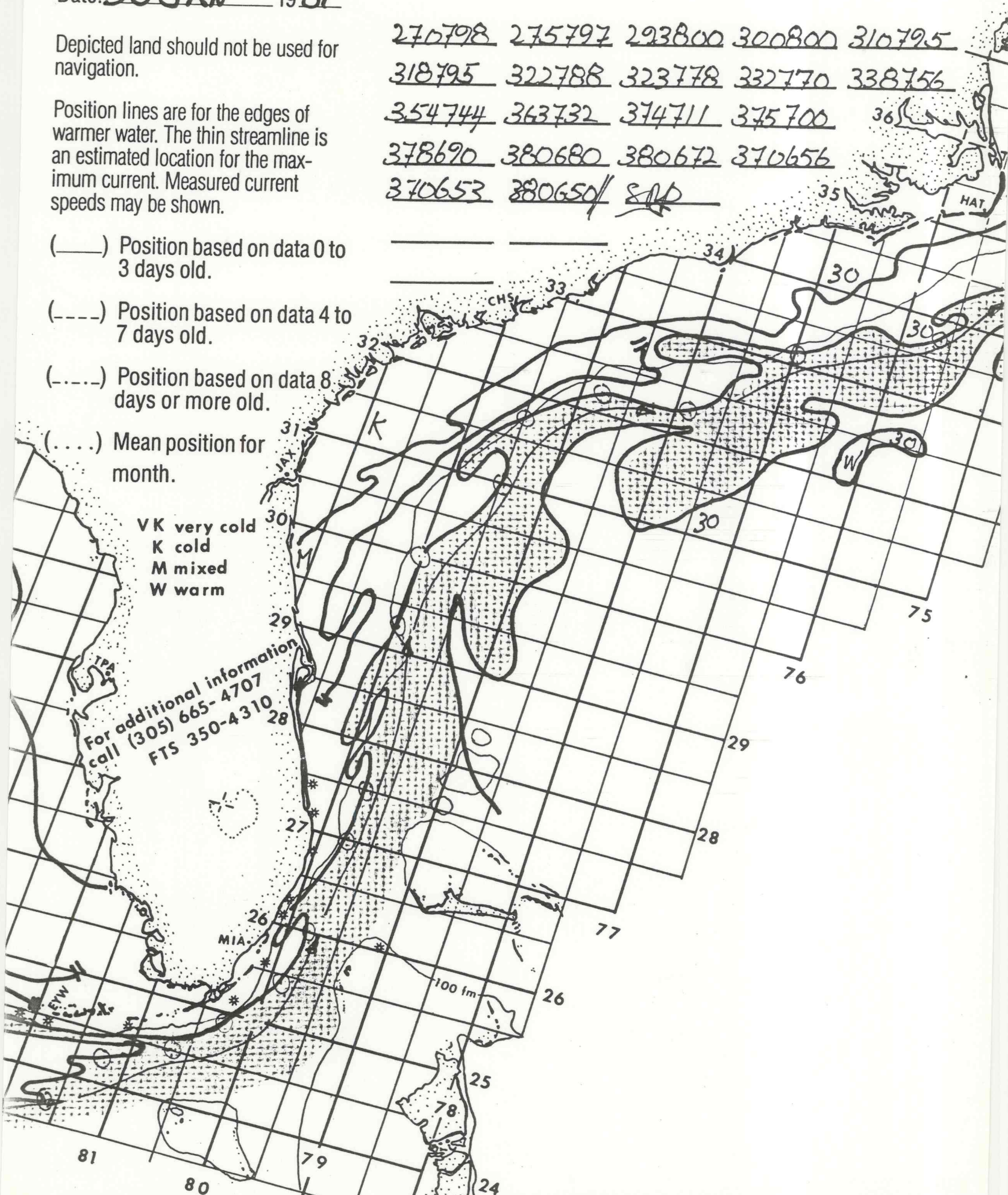
(-----) Position based on data 4 to 7 days old.

(.....) 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



Date: 30 JAN 1981

214865 220866 226866 234875 243878
248878 252881 259881 269876 274864
271862 266861 261857 233858 246856
246852 253841 243834 238834 236829
235822 237816 243812 245806 249802
254799 260798 // _____

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.

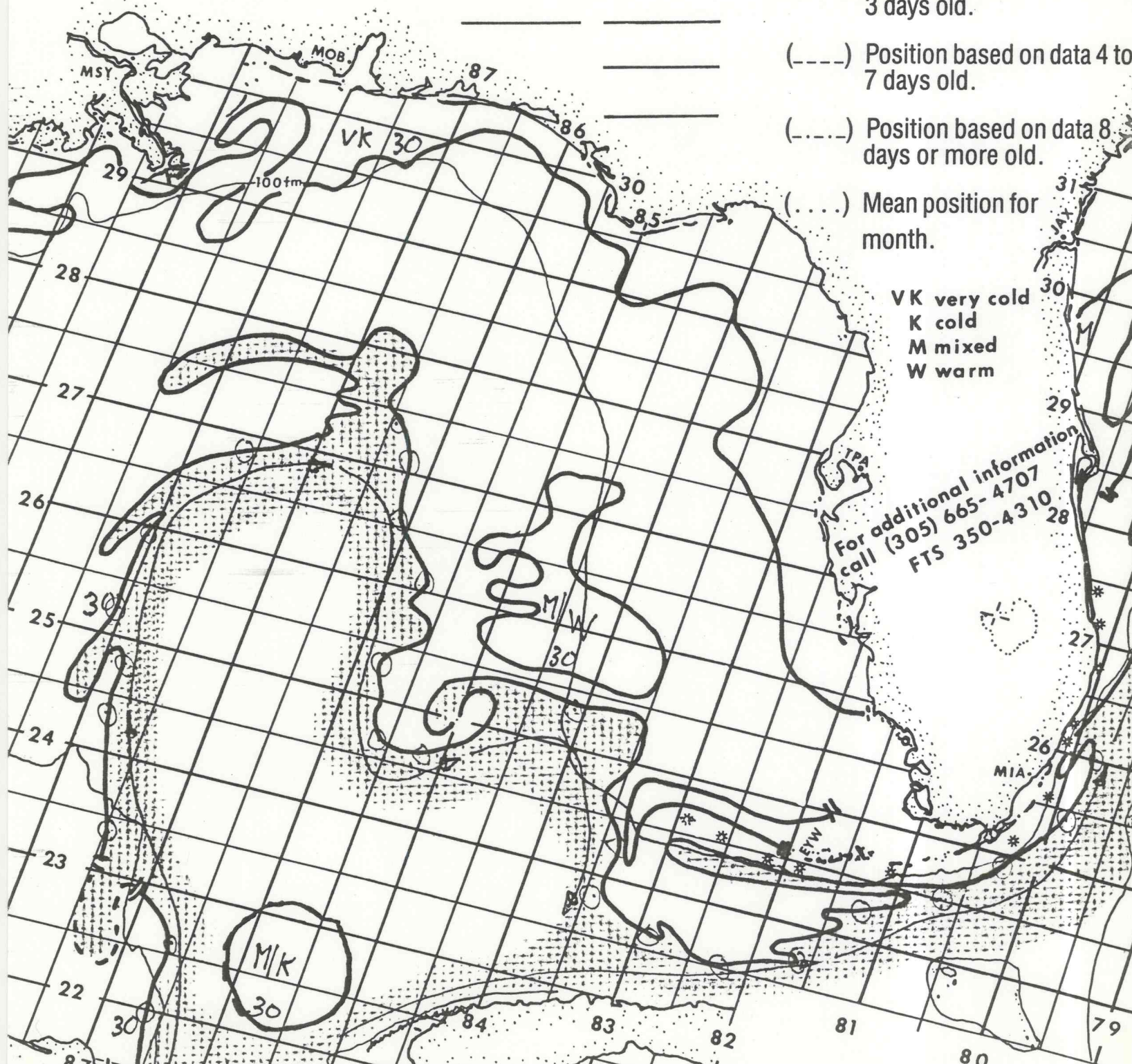
(----) Position based on data 4 to 7 days old.

(-----) 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



JAN 30 11 51 AM '81

ZCZC WBC138
TRXX40 KMIA 301615

MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT
30 JANUARY 1981.

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

214865 220866 226866 234875 243878 248878 252881 259881
269876 274864 271862 266861 261857 233858 246856 246852
253841 243834 238834 236829 235822 237816 243812 245806
249802 254799 260798.

POSITION BASED ON DATA FROM 30 JAN 81.

COLD MEANDER S OF DRY TORTUGAS CONTS TO RETREAT.
WARM EDDY 2 DEG DIAM CENTRED NR 23.3N 93.7W.

MIAMI SFSS SELECTED GULFSTREAM DATA FOR NOAA WEATHER RADIO....
G31/36/N/24. H24/31/N/24. I13/40/N/24. J 6/48/N/24.
K15/36/N/24. L15/36/N/24. M 8/49/N/24. N17/36/N/25. O48/21/N/25.
P55/22/N/25. Q60/34/N/25.

SMALL EDDYS NE OF G AND BTN J AND K. GULFSTREAM WATER WITHIN 20
MI N THRU O...ALG N EDGE OF COLD MEANDER.

BAIG

NNNN

ZCZC WBC143
TBXX40 KNIA 301615

JAN 30 12 08 PM '81

MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT
30 JANUARY 1981.

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

214865 220866 226866 234875 243878 248878 252881 259881
269876 274864 271862 266861 261857 233858 246856 246852
253841 243834 238834 236829 235822 237816 243812 245806
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POSITION BASED ON DATA FROM 30 JAN 81.

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K15/36/N/24. L15/36/N/24. M 8/49/N/24. N17/36/N/25. O48/21/N/25.
P55/22/N/25. Q60/34/N/25.

SMALL EDDYS NE OF G AND BTN J AND K. GULFSTREAM WATER WITHIN 20
MI N THRU Q...ALG N EDGE OF COLD MEANDER.

BAIG

NNNN