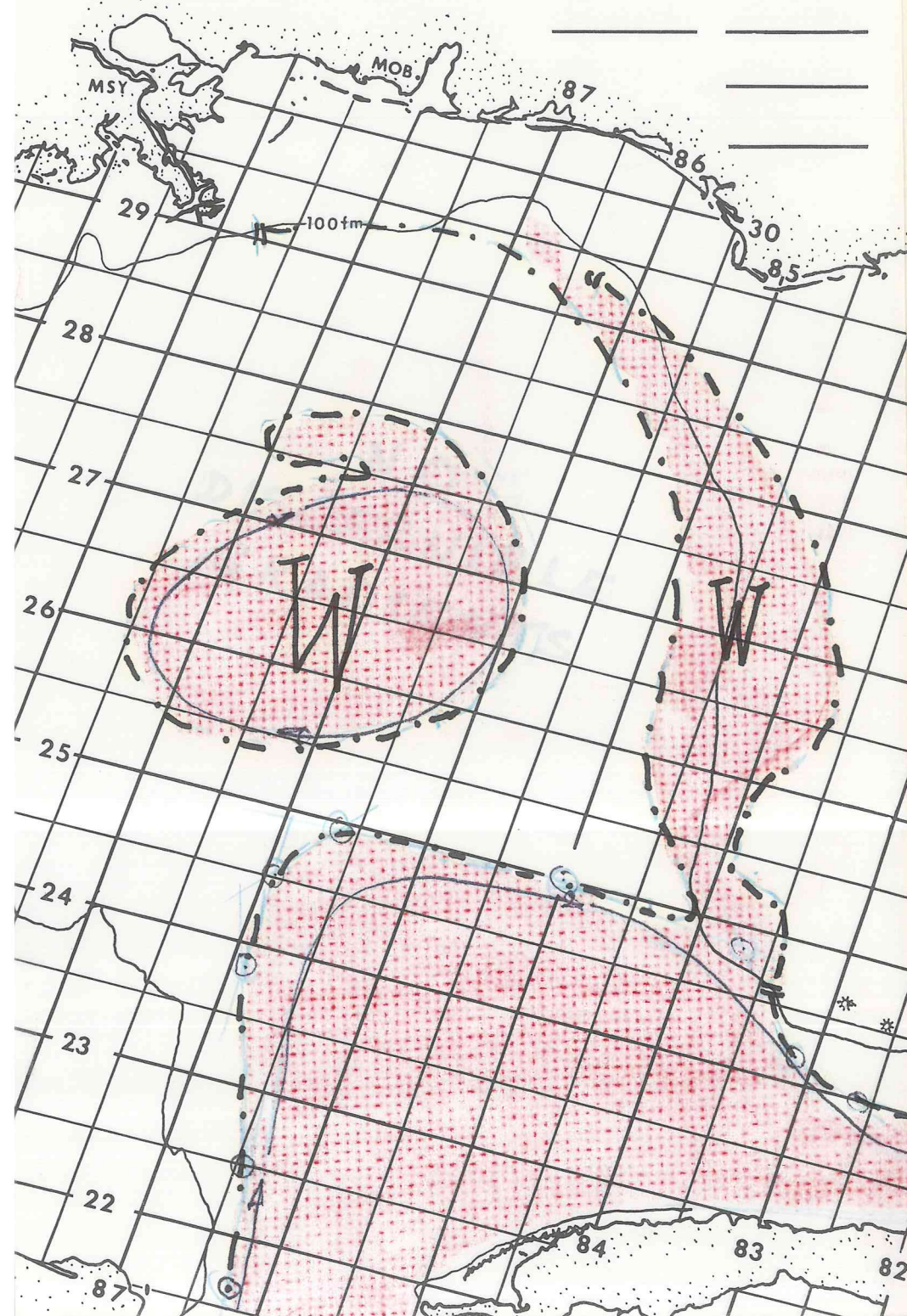


GULF STREAM SYSTEM FLOW CHART # 2450

216862 225865 234869 245870 249866
 250850 249837 242832 240826 240820
 243812 250803 256801 260800//



NOAA Miami SFSS

Date: 01 JUNE 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.

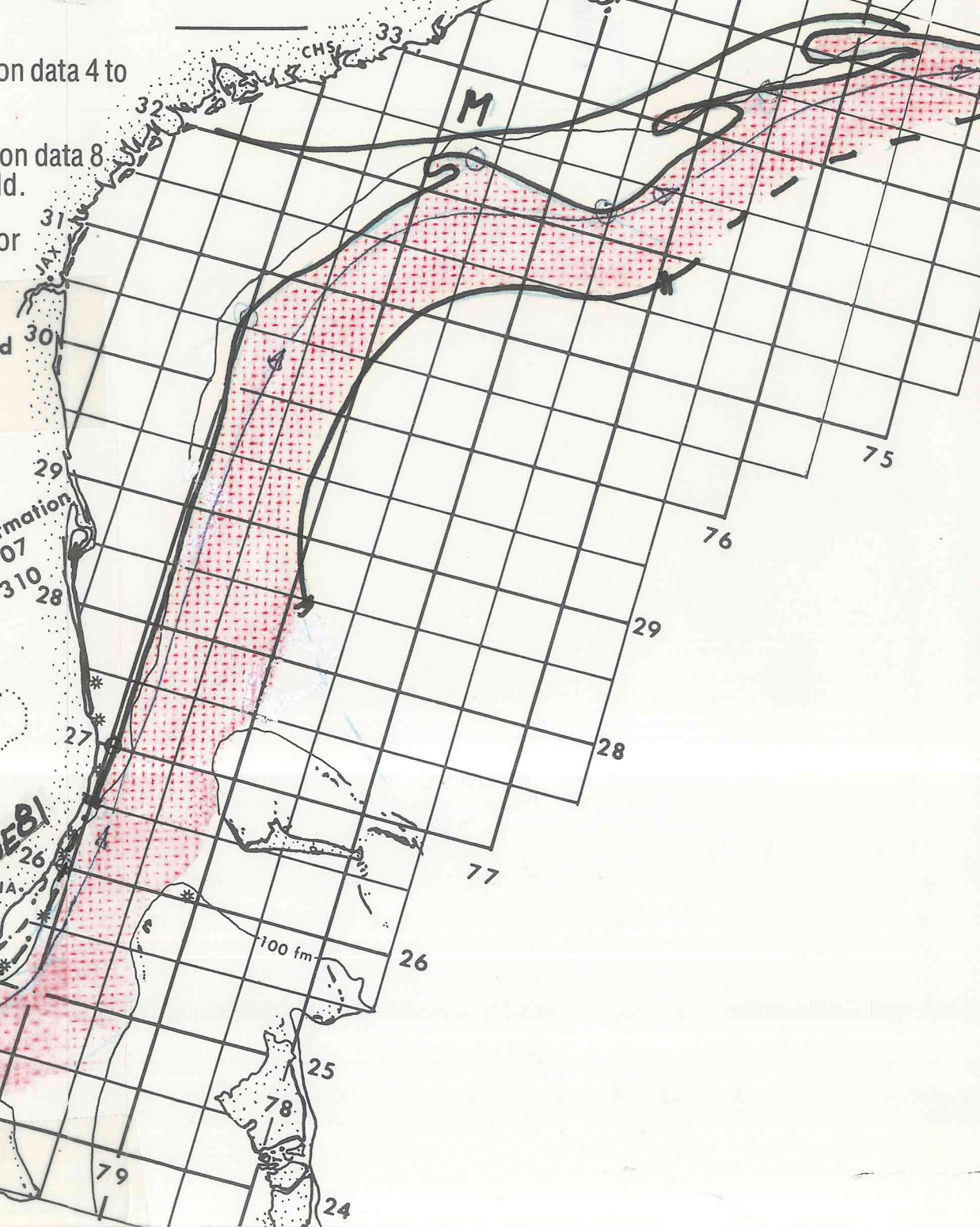
VK very cold
 K cold
 M mixed
 W warm

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

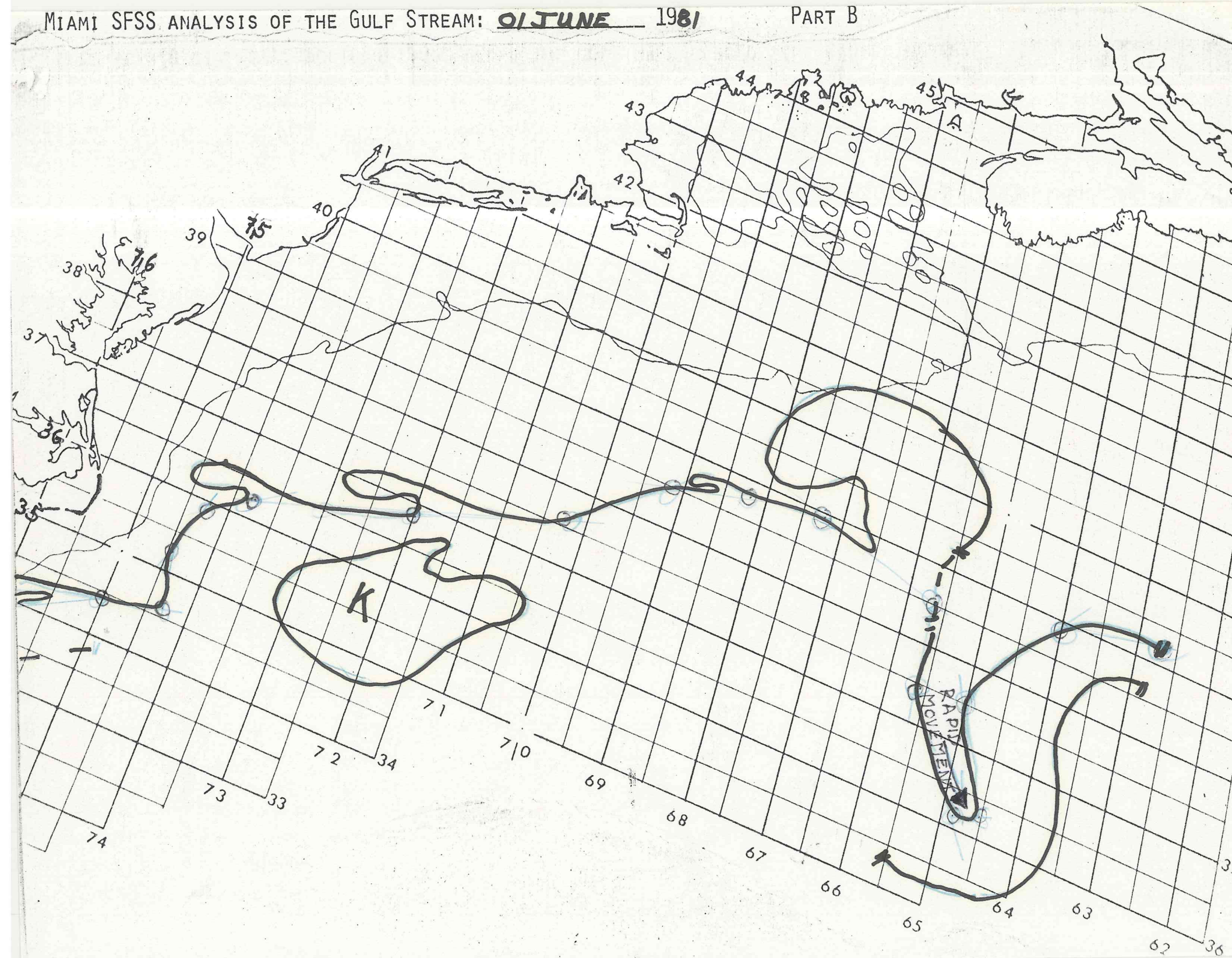
NEXT
 UPDATE
 01 JUNE 81

GULF STREAM SYSTEM FLOW CHART # 2450

270800 306800 323787 322775 325766
 344750 346743 352745 359743 362738
 369720 376703 385692 388682 361672
 389672 385657 374656 362648
 363645 375650 389640
 392627 // 814



MIAMI SFSS ANALYSIS OF THE GULF STREAM: 01 JUNE 1981 PART B



NNNN

1981 JUN -1 AM 10: 56

ZCZC

TBXX40 KMIA 011430

AMIAADMMIA

MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT

01 JUN 1981

CODED POINTS GIVE LATITUDE/LONGITUDE ALONG THE COASTWARD

EDGE OF THE WARMER WATER....

216862 225865 234869 245870 249866 250850 249837 242832 240826

240820 243812 250803 256801 260800.

POSITION BASED ON DATA FROM 20 MAY 81 THRU 25 MAY 81.

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

D84/62/M/27. E78/64/M/27. F75/55/M/28. G57/53/M/28. H27/62/M/28.

I32/60/M/28. J18/53/M/28. K11/45/M/28. L 3/54/M/28. M M/ M/M/28.

N M/ M/M/28. O M/ M/M/28. P M/ M/M/28. Q M/ M/M/28. R M/ M/M/28.

S M/ M/M/28. U M/ M/M/28.

BAIG

NNNN4A

IAZC WBC328

ZCZC WBC328

SXNT1 KWBC 012130

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

27.0/80.0	30.6/80.0	32.3/78.7	32.2/77.5
32.5/76.6	34.4/75.0	34.6/74.3	35.2/74.5
35.9/74.3	36.9/71.0	37.5/70.3	38.5/68.2
38.6/67.0	38.5/65.7	37.4/66.0	36.4/64.8

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

COLD EDDIESO	37.3/63.0/70 NMI DIAM	35.7/59.5/30 NMI DIAM
	37.6/52.6/60 NMI DIAM	30.4/76.0/50 NMI DIAM
	31.3/76.3/25 NMI DIAM	33.4/73.2/60 NMI DIAM.
WARM EDDIESO	39.7/66.3/85 NMI DIAM	41.7/51.6/90 NMI DIAM
	40.3/61.0/120 NMI DIAM	37.6/73.6/55 NMI DIAM.

LATEST SATELLITE DATAO 6/1/81 1256Z.

GULF STREAM SYSTEM FLOW CHART # 2450

215863 222865 245872 248871 249867
 249862 247855 248850 250847 253842
 245834/

NOAA Miami SFSS

Date: **03 JUNE** 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

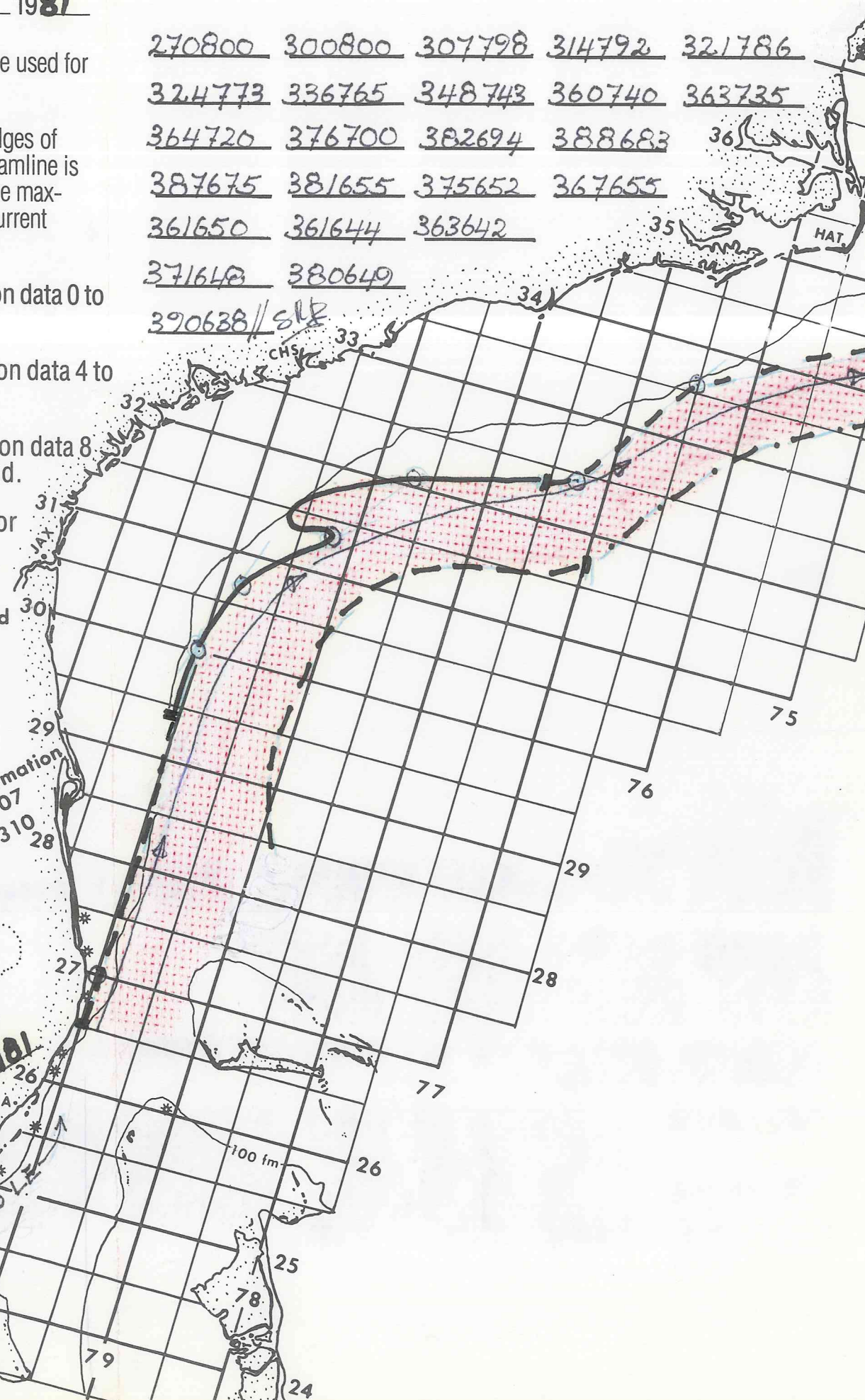
For additional information
 call (305) 665-4707
 FTS 350-4310

NEXT
 UPDATE
05 JUN 81

NO DISCERNIBLE
 GRADIENTS

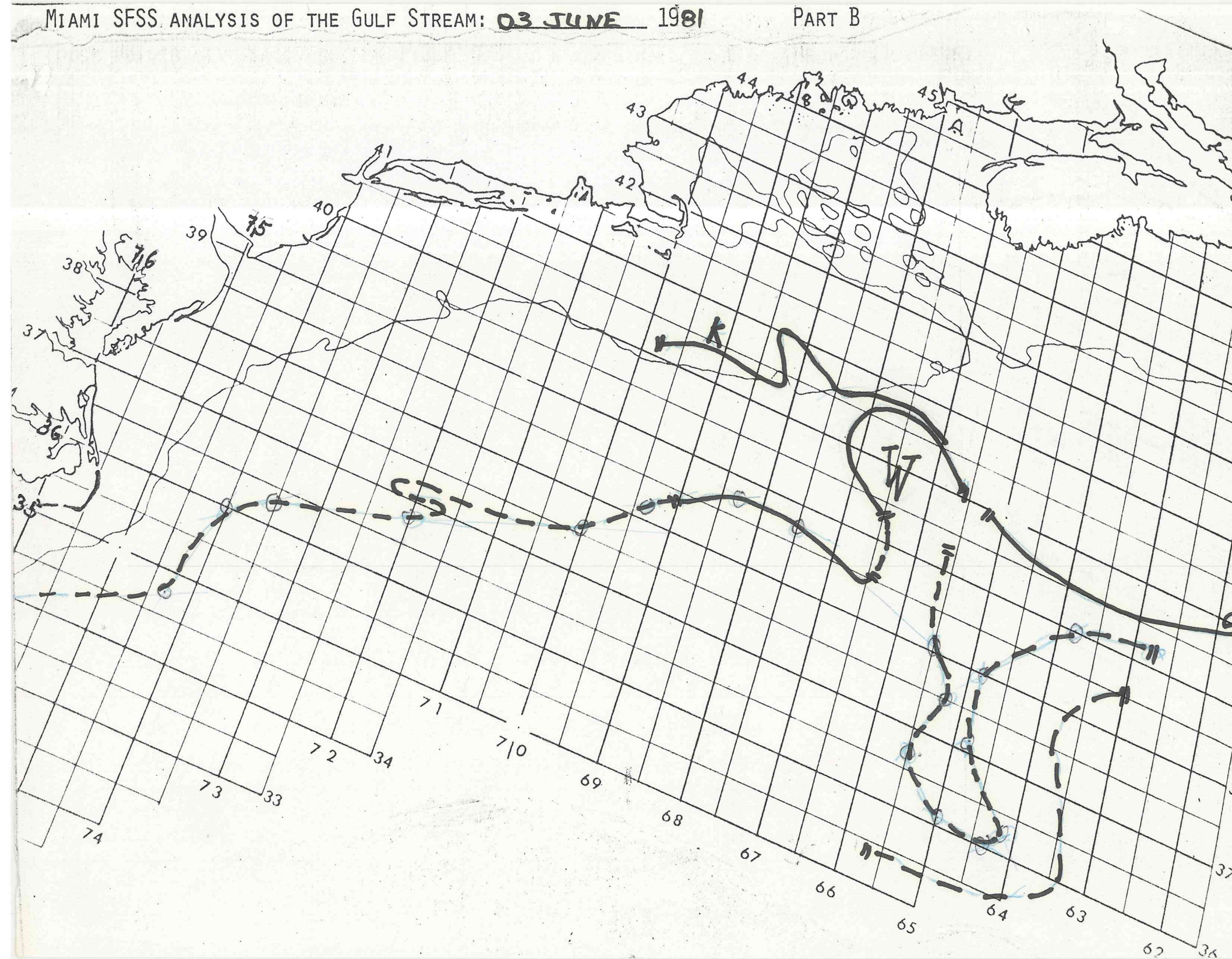
GULF STREAM SYSTEM FLOW CHART # 2450

270800 300800 307798 314792 321786
 324773 336765 348743 360740 363735
 364720 376700 382694 388683 36
 387675 381655 375652 367655
 361650 361644 363642
 371640 380640
 390638/SLR



MIAMI SFSS ANALYSIS OF THE GULF STREAM: 03 JUNE 1981

PART B



NNNN
ZCZC

1981 JUN -3 AM 11: 35

TRXX40 KNIA 031600

AMJABDMMIA

MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT

03 JUN 1981

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

215863 222865 245872 248871 249867 249862 247855 248850 250847
253842 245834.

POSITION BASED ON DATA FROM 20 MAY 81 THRU 25 MAY 81...XCP

03 JUN FM 86W TO 84W.

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

B93/57/W/28. E87/57/W/28. F72/59/W/28. G56/57/W/28. H26/62/W/28.

I32/63/W/28. J18/53/W/28. K11/46/W/28. L 4/55/W/28. M M/ M/W/28.

N N/ M/W/28. O M/ M/W/28. P M/ M/W/28. Q M/ M/W/28. R M/ M/W/28.

S M/ M/W/28. U M/ M/W/28.

DATA NORTH OF...AND INCLUDING...F IS CURRENT. OTHERS BASED ON ANALYSIS

OF 01 JUN 81.

BAIG

NNNN

NNNNJJA
ZCZC WBC549
TBXX40 KMIA 251445
FMIAADMMIA
MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT
05 JUN 1981
CODED POINTS GIVE LATITUDE/LONGITUDE ALONG THE COASTWARD
EDGE OF THE WARMER WATER....
215863 222865 245872 248871 249867 249862 247855 248850 250847
253842 245834.
POSITION BASED ON DATA FROM 20 MAY 81 THRU 25 MAY 81...XCP
03 JUN FM 86W TO 84W.
MIAMI SFSS SELECTED GULFSTREAM DATA FOR NOAA WEATHER RADIO...
D95/63/M/28. E85/67/M/28. F73/64/M/28. G56/60/M/28. H27/65/M/28.
I35/62/M/28. J18/53/M/28. K11/46/M/28. L 4/55/M/28. M M/ M/M/28.
N M/ M/M/28. O M/ M/M/28. P M/ M/M/28. Q M/ M/M/28. R M/ M/M/28.
S M/ M/M/28. U M/ M/M/28.
DATA NORTH OF...AND INCLUDING...I IS CURRENT. OTHERS BASED ON ANALYSIS
OF 03 JUN 81.
BAIG

NNNN

2070

TRXX40 KMIA 051445

AMTAR000010

MIAMI SERS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT

05 JUN 1981

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

215000 222000 245000 248000 249000 249000 247000 248000 250000
252000 245000.

POSITION BASED ON DATA FROM 20 MAY 81 THRU 25 MAY 81... XCP
03 JUN 81 FROM 0000 TO 0000.

MIAMI SERS SELECTED COASTWARD DATA FOR WARM WEATHER DATA...

005/67/M/20. 005/67/M/20. 073/64/M/20. 055/60/M/20. 027/65/M/20.

125/62/M/20. 148/53/M/20. 114/46/M/20. 1 4/55/M/20. M M/ M/M/20.

M M/ M/M/20. M M/ M/M/20. P M/ M/M/20. M M/ M/M/20. P M/ M/M/20.

S M/ M/M/20. M M/ M/M/20.

DATA NORTH OF... AND INCLUDING... IS CURRENT. OTHERS BASED ON ANALYST

S

OF 03 JUN 81.

DATA

NNNN

NNNN

V
ZCZC

SKNT: KWBC 032010

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

27.0/80.0 30.6/80.0 32.3/78.7 32.2/77.5
32.5/76.6 34.4/75.0 34.6/74.3 35.2/74.3
35.9/74.3 36.9/71.0 37.9/70.3 38.5/68.2
38.6/67.0 38.9/65.7 37.4/66.0 36.4/64.8

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

COLD EDDIES 37.3/63.0/70 NMI. DIAM. 35.7/59.5/30 NMI. DIAM.
37.6/52.6/60 NMI. DIAM. 30.4/76.0/90 NMI. DIAM.
31.3/76.3/85 NMI. DIAM. 33.4/73.2/60 NMI. DIAM.
WARM EDDIES 39.7/66.3/85 NMI. DIAM. 41.3/51.7/85 NMI. DIAM.
40.3/61.0/120 NMI. DIAM. 37.6/73.6/55 NMI. DIAM.
LATEST SATELLITE DATA 6/3/81 1256Z

GULF STREAM SYSTEM FLOW CHART # 2450

215863 222865 245872 248871 249857
249862 247855 248850 250847 253842
245834// _____

NOAA Miami SFSS

Date: 05 JUNE 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

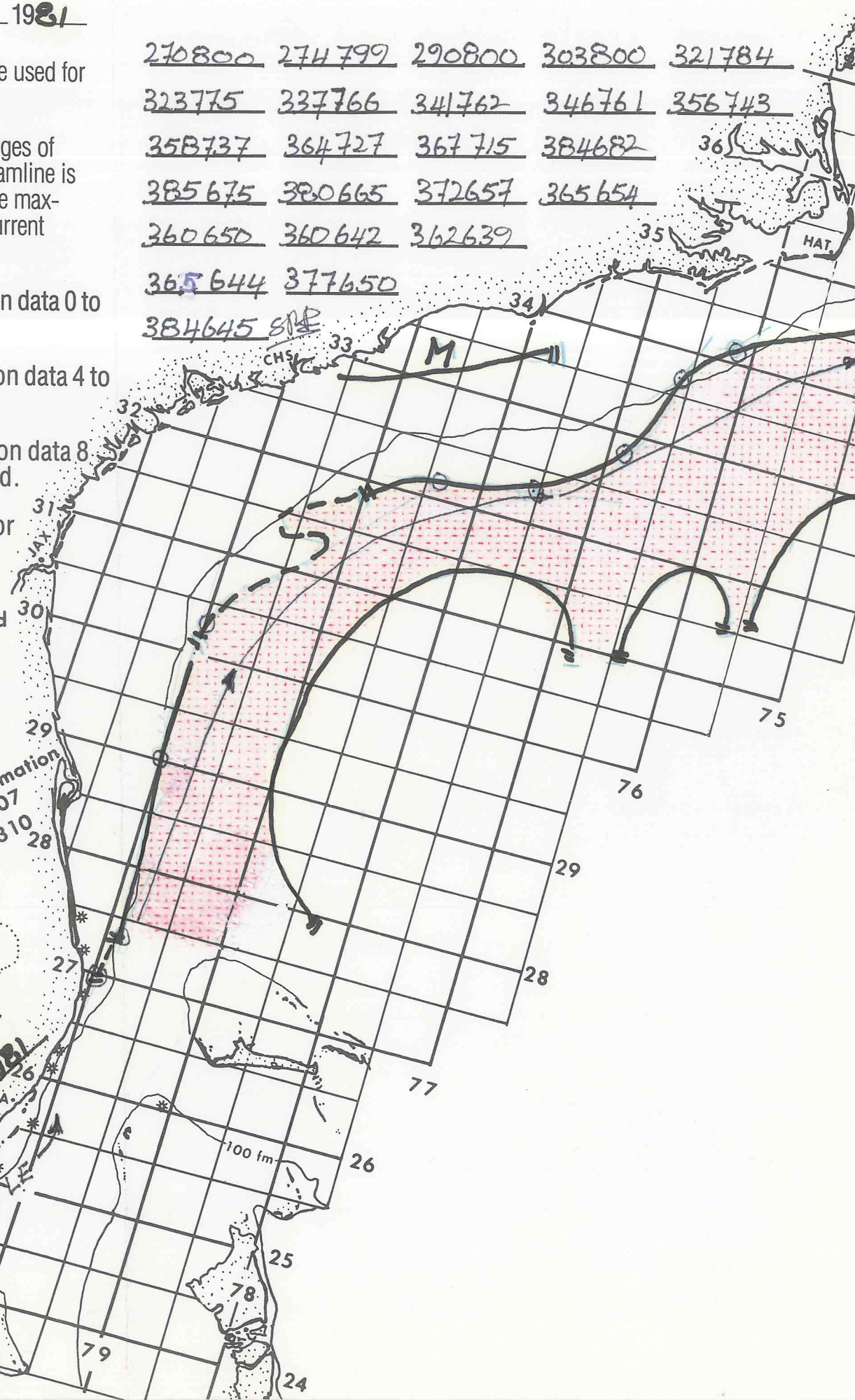
For additional information
call (305) 665-4707
FTS 350-4310

NEXT
UPDATE
08 JUNE 81

NO DISCERNIBLE
GRADIENTS

GULF STREAM SYSTEM FLOW CHART # 2450

270800 274799 290800 303800 321784
323775 337766 341762 346761 356743
358737 364727 367715 384682 365654
385675 380665 372657 365654
360650 360642 362639
365644 377650
384645 SP



ZCZC

TBXX40 KNIA 051445

MMIAADNNIA

MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT

05 JUN 1981

1981 JUN -5 AM 10:53
CODED POINTS GIVE LATITUDE/LONGITUDE ALONG THE COASTWARD
EDGE OF THE WARMER WATER....

215863 222865 245872 248871 249867 249862 247855 248850 250847
253842 245834.

POSITION BASED ON DATA FROM 20 MAY 81 THRU 25 MAY 81...XCP

03 JUN FM 86W TO 84W.

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

D95/63/N/28. E85/67/W/28. F73/64/W/28. G56/60/W/28. H27/65/W/28.

I35/62/W/28. J18/53/W/28. K11/46/W/28. L 4/55/W/28. N N/ N/W/28.

N N/ N/W/28. O N/ N/W/28. P N/ N/W/28. Q N/ N/W/28. R N/ N/W/28.

S N/ N/W/28. U N/ N/W/28.

DATA NORTH OF...AND INCLUDING...I IS CURRENT. OTHERS BASED ON ANALYST

S

OF 03 JUN 81.

BAIG

NNNN

GULF STREAM SYSTEM FLOW CHART # 2450

215863 222865 245872 248871 249867

249862 247855 248850 250847 253842

245834//

NOAA Miami SFSS

Date: 08 JUNE 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 321784 323776 328768

339764 348750 355746 359738 362736

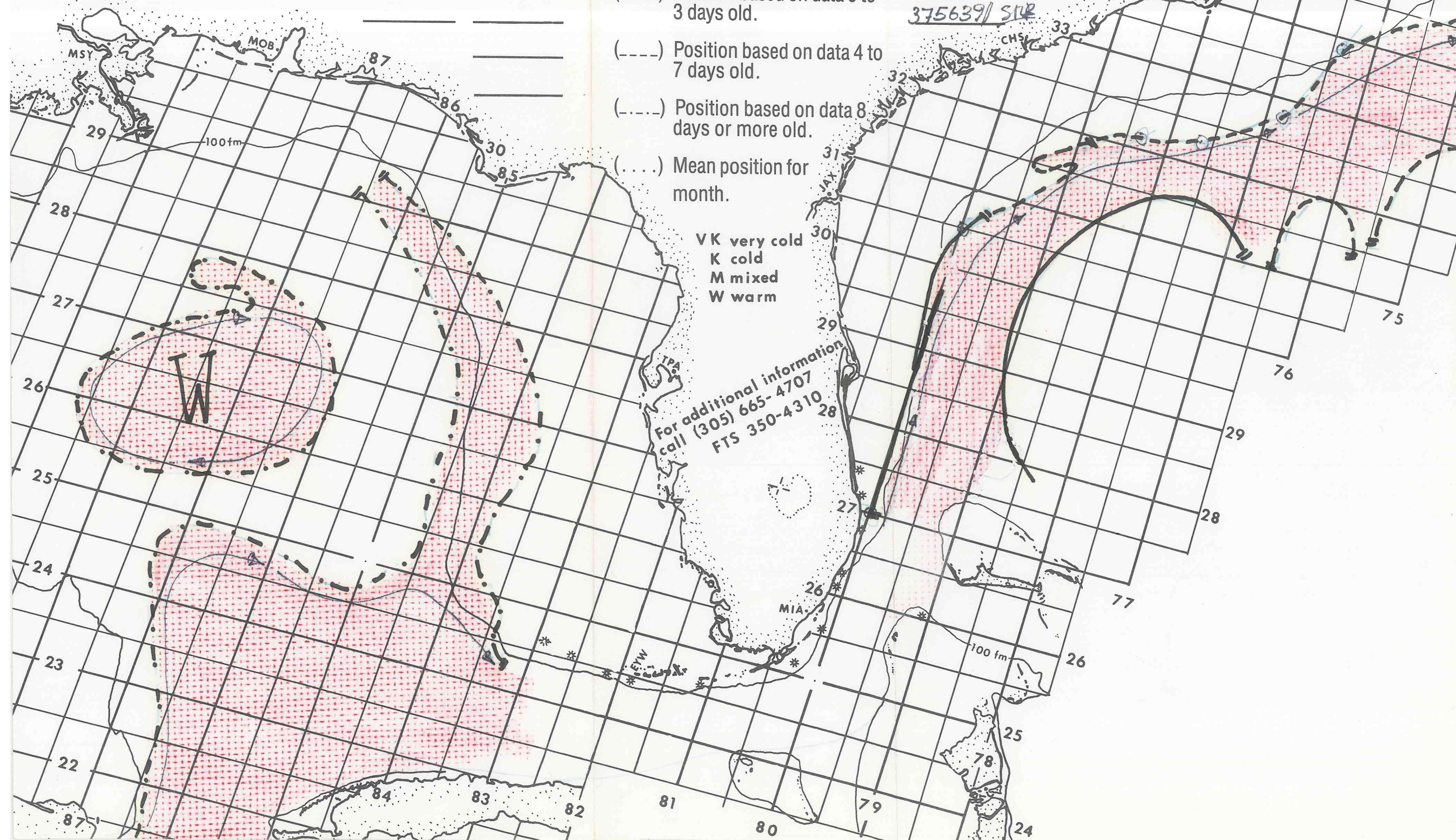
369735 375728 367721 366717 361703

382697 384682 382669

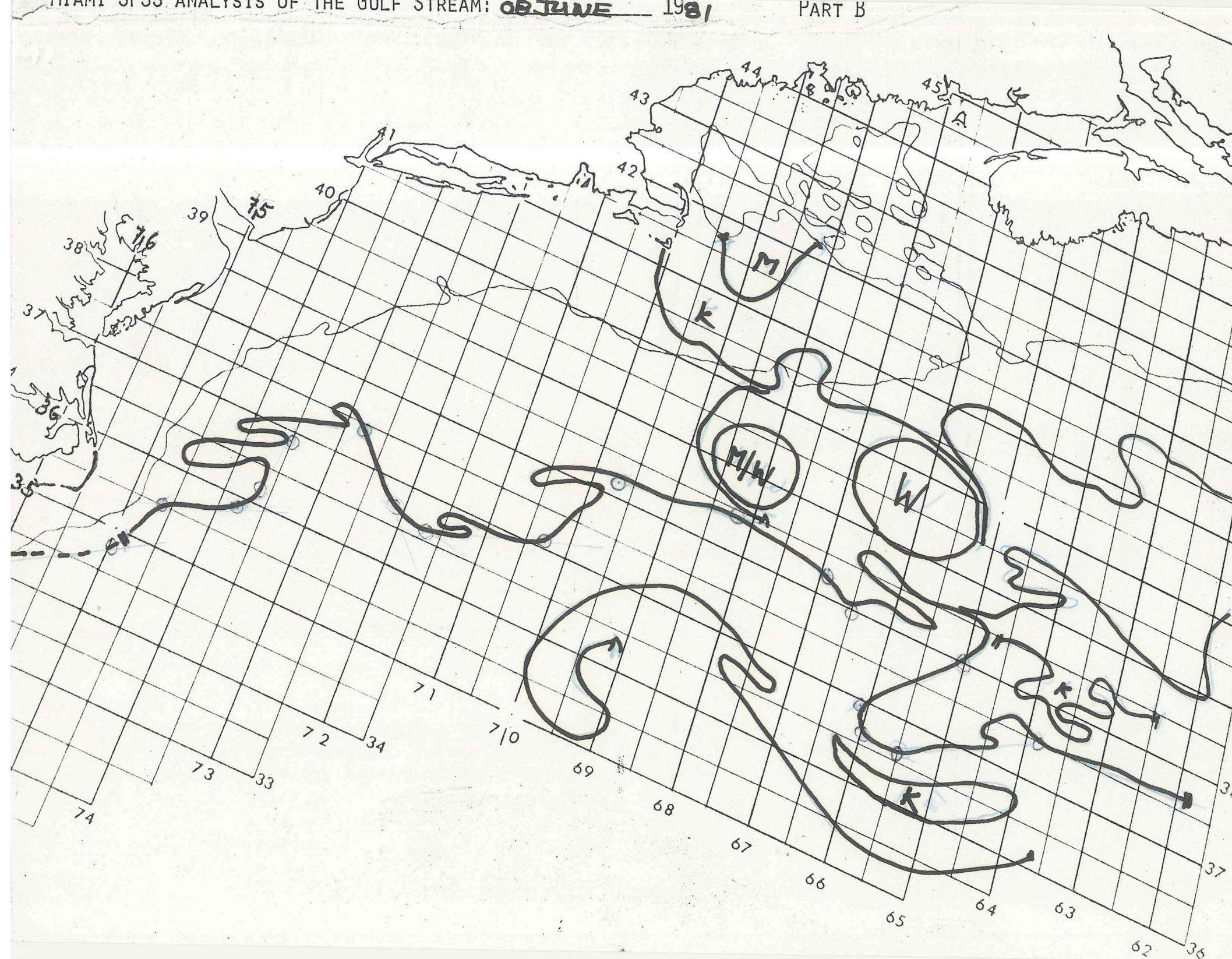
380665 380650 370661

366660 366655

375639// S10R



MIAMI SFSS ANALYSIS OF THE GULF STREAM: 08 JUNE 1981 PART B



NNNN↓↓A

ZCZC WBC489

SXNT 1 KWBC 082130

GULF STREAM LOCATION THE LINE DESCRIBED BY THE FOLLOWING

SEQUENCE OF POINTS REPRESENTS THE WEST WALL OF THE GULF STREAM.

7.0/80.0	30.5/80.0	32.1/78.4	32.3/77.6
32.8/76.8	33.9/76.4	34.8/78.8	35.5/74.6
35.9/73.8	36.2/73.6	36.9/73.5	36.7/72.1
36.7/71.7	37.7/70.0	38.0/69.7	38.3/68.2
38.2/66.9	38.0/66.5	38.0/65.0	37.0/66.1
36.6/66.0	36.6/65.5	37.5/63.9	

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

COLD EDDIES 35.2/72.5/50 NMI. DIAM.

WARM EDDIES 39.6/66.0/85 NMI DIAM 40.0/60.7/100 NMI DIAM. ①

41.0/52.4/125 NMI DIAM

LATEST SATELLITE DATA 6/8/81 1200Z

NNNN

ACM

PLS PASS TO W

ZCZC

SXNT1 KWBC 082130

GULF STREAM LOCATION THE LINE DESCRIBED BY THE FOLLOWING

SEQUENCE OF POINTS REPRESENTS THE WEST WALL OF THE GULF STREAM.

27.0/80.0	30.5/80.0	32.1/78.4	32.3/77.6
32.8/76.8	33.9/76.4	34.8/78.8	35.5/74.6
35.9/73.8	36.2/73.6	36.9/73.5	36.7/72.1
36.7/71.7	37.7/70.0	38.0/69.7	38.3/68.2
38.2/66.9	38.0/66.5	38.0/65.0	37.0/66.1
36.6/66.0	36.6/65.5	37.5/63.9	

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

COLD EDDIES 35.2/72.5/50 NMI. DIAM.

WARM EDDIES 39.6/66.0/85 NMI DIAM @ 40.0/60.7/100 NMI DIAM. @

41.0/52.4/125 NMI DIAM

LATEST SATELLITE DATA 6/8/81 1200Z

NNNN ↓

NNNN
ZCZC

TRXX40 KNIA 001445

MMIAAAMNTA

MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT

02 JUN 1981

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

215863 222865 245872 248871 249867 249862 247855 248850 250847
253842 245834.

POSITION BASED ON DATA FROM 20 MAY 81 THRU 25 MAY 81...XCP

03 JUN FM 06W TO 04W.

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

095/61/W/28, 084/66/W/28, 066/65/W/28, 057/57/W/28, 025/70/W/28.

131/66/W/28, 116/56/W/28, 110/47/W/28, 1 W/ W/W/28, N W/ W/W/28.

N W/ W/W/28, O W/ W/W/28, P W/ W/W/28, O W/ W/W/28, R W/ W/W/28.

S W/ W/W/28, 11 W/ W/W/28.

A THIN MEANDER IS OBSERVED ALONG THE SHOREWARD EDGE OF THE GULFSTREAM
BETWEEN F AND H.

DATA

1981 JUN -8 PM 12:19

GULF STREAM SYSTEM FLOW CHART # 2450

215863 222865 245872 248871 249867
 249862 247855 248850 250847 253842
 245834//

NOAA Miami SFSS

Date: 10 JUNE 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.

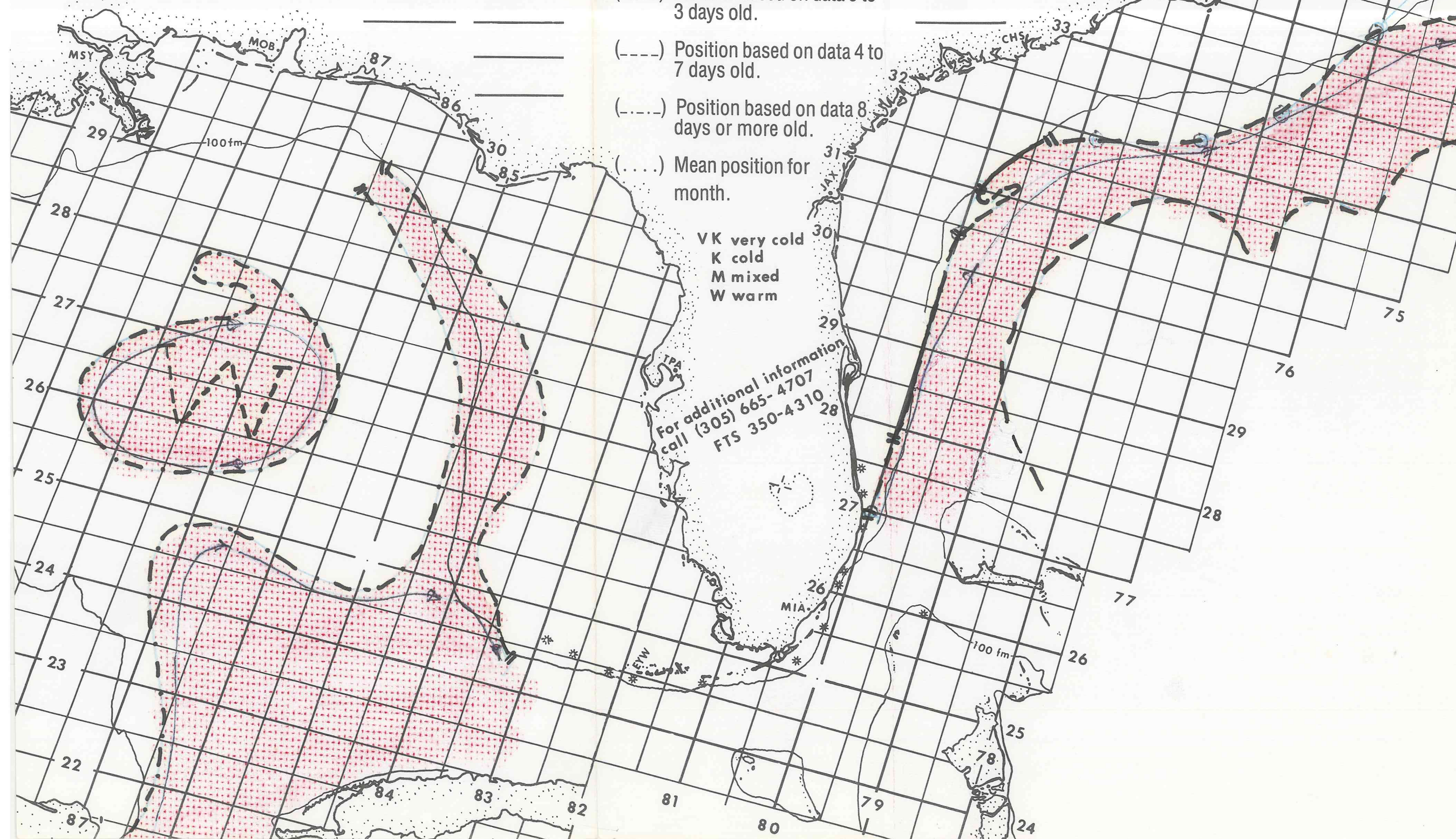
(....) Mean position for month.

VK very cold
 K cold
 M mixed
 W warm

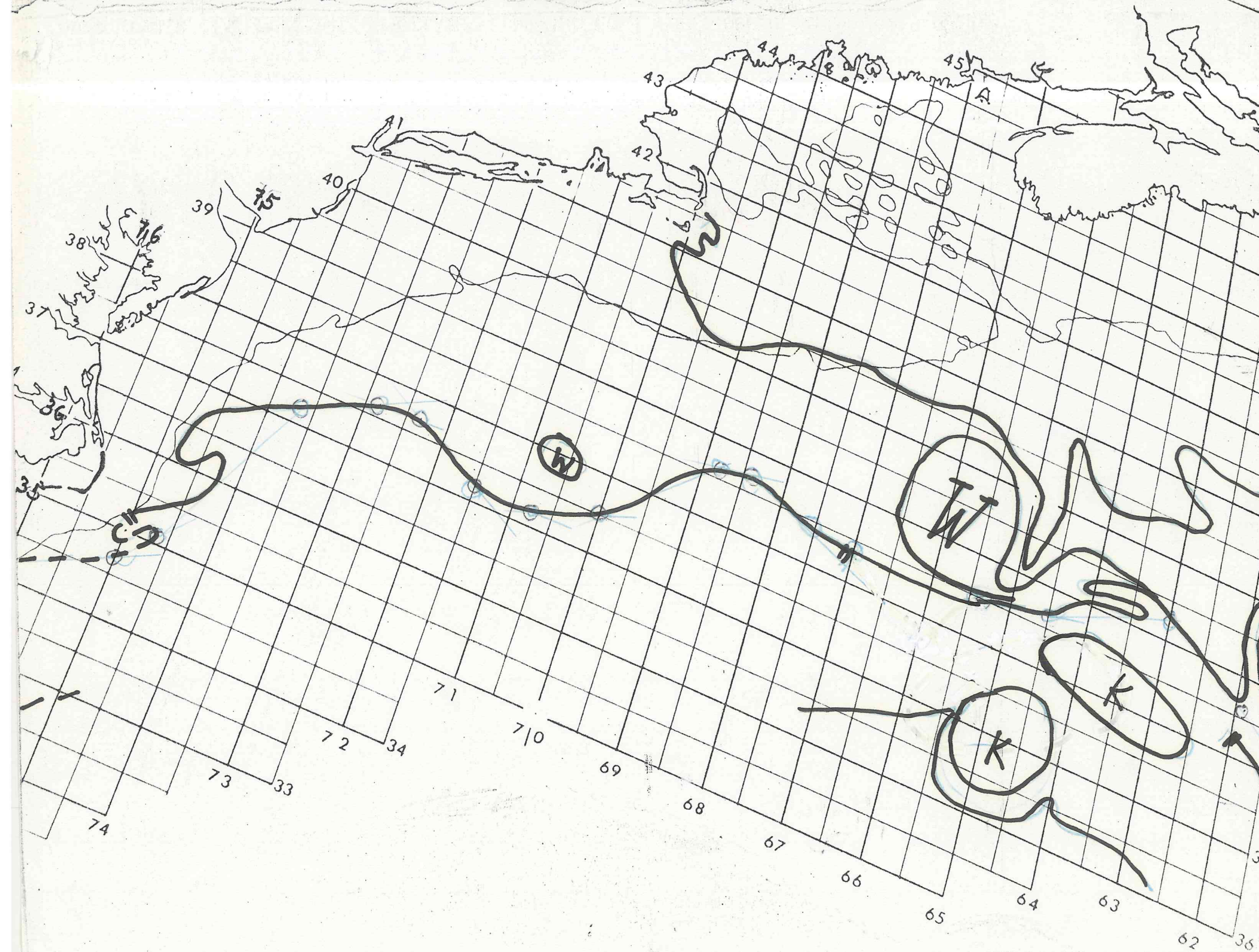
For additional information
 call (305) 665-4707
 FTS 350-4310

GULF STREAM SYSTEM FLOW CHART # 2450

270800 304800 320788 323776 328769
 341760 347750 351746 372737 376729
 377724 372715 372707 375700 36
 386688 387684 384670 385654
 387645 393630 386619//812



MIAMI SFSS ANALYSIS OF THE GULF STREAM: 10 JUN 1981 PART B



NNNN
ZCZC

1981 JUN 10 AM 11: 20

TBXX40 NMIA 101515

MMIAADMMIA

MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT

10 JUN 1981

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

215863 222865 245872 248871 249867 249862 247855 248850 250847
253842 245834.

POSITION BASED ON DATA FROM 20 MAY 81 THRU 25 MAY 81...XCP
03 JUN FM 86W TO 84W.

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

D92/68/M/28. E82/70/M/28. F74/60/M/28. G56/55/M/28. H25/60/M/28.

I20/65/M/28. J15/56/M/28. K 9/47/M/28. L 9/47/M/28. M M/ M/M/28.

N M/ M/M/28. O M/ M/M/28. P M/ M/M/28. Q M/ M/M/28. R M/ M/M/28.

S M/ M/M/28. U M/ M/M/28.

DATA FROM F TO I IS 10 JUN 81...OTRW 08 JUN 81.

BAIG

NNNN↓↓A
ZCZC WBC896
TBXX40 KMIA 101515
↑MIAADMMIA
MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT
10 UN 1981
CODED POINTS GIVE LATITUDE/LONGITUDE ALONG THE COASTWARD
EDGE OF THE WARMER WATER.....
215863 222865 245872 248871 249867 249862 247855 248850 250847
253842 245834.
POSITION BASED ON DATA FROM 20 MAY 81 THRU 25 MAY 81...XCP
03 UN FM 86W TO 84W.
MIAMI SFSS SELECTED GULFSTREAM DATA FOR NOAA WEATHER RADIO....
D92/68/M/28. E82/70/M/28. F74/60/M/28. G56/55/M/28. H25/60/M/28.
I20/65/M/28. J15/56/M/28. K 9/47/M/28. L 9/47/M/28. M M/ M/M/28.
N M/ M/M/28. O M/ M/M/28. P M/ M/M/28. Q M/ M/M/28. R M/ M/M/28.
S M/ M/M/28. U M/ M/M/28.
DATA FROM F TO I IS 10 JUN 81...OTRW 08 JUN 81.
BAIG

1981 JUN 10 PM 12:08

GULF STREAM SYSTEM FLOW CHART # 2450

215864 221864 239870 247871 250868
 249852 251836 243831//

NOAA Miami SFSS

Date: 12 JUNE 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.

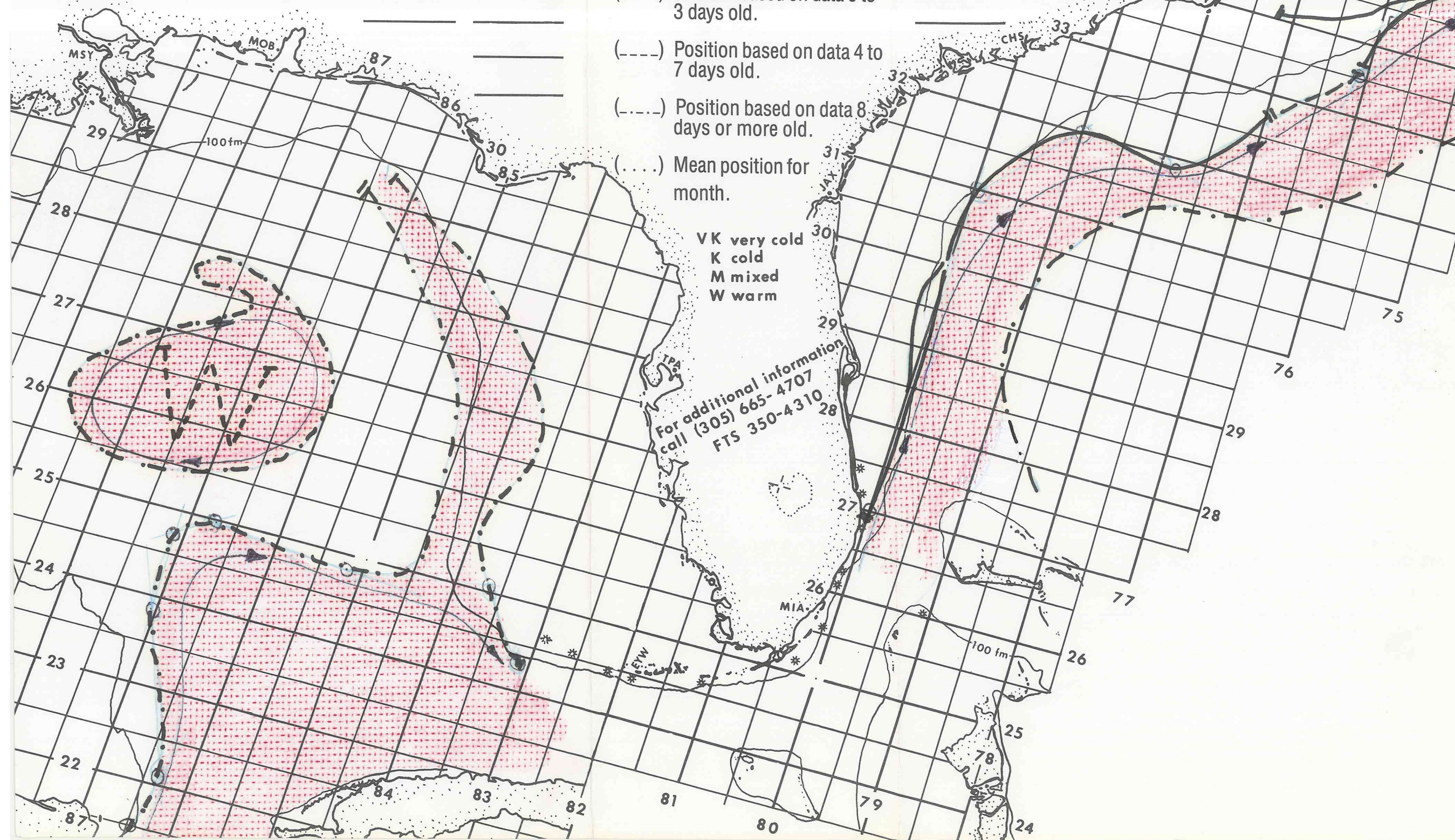
(....) Mean position for month.

V K very cold
 K cold
 M mixed
 W warm

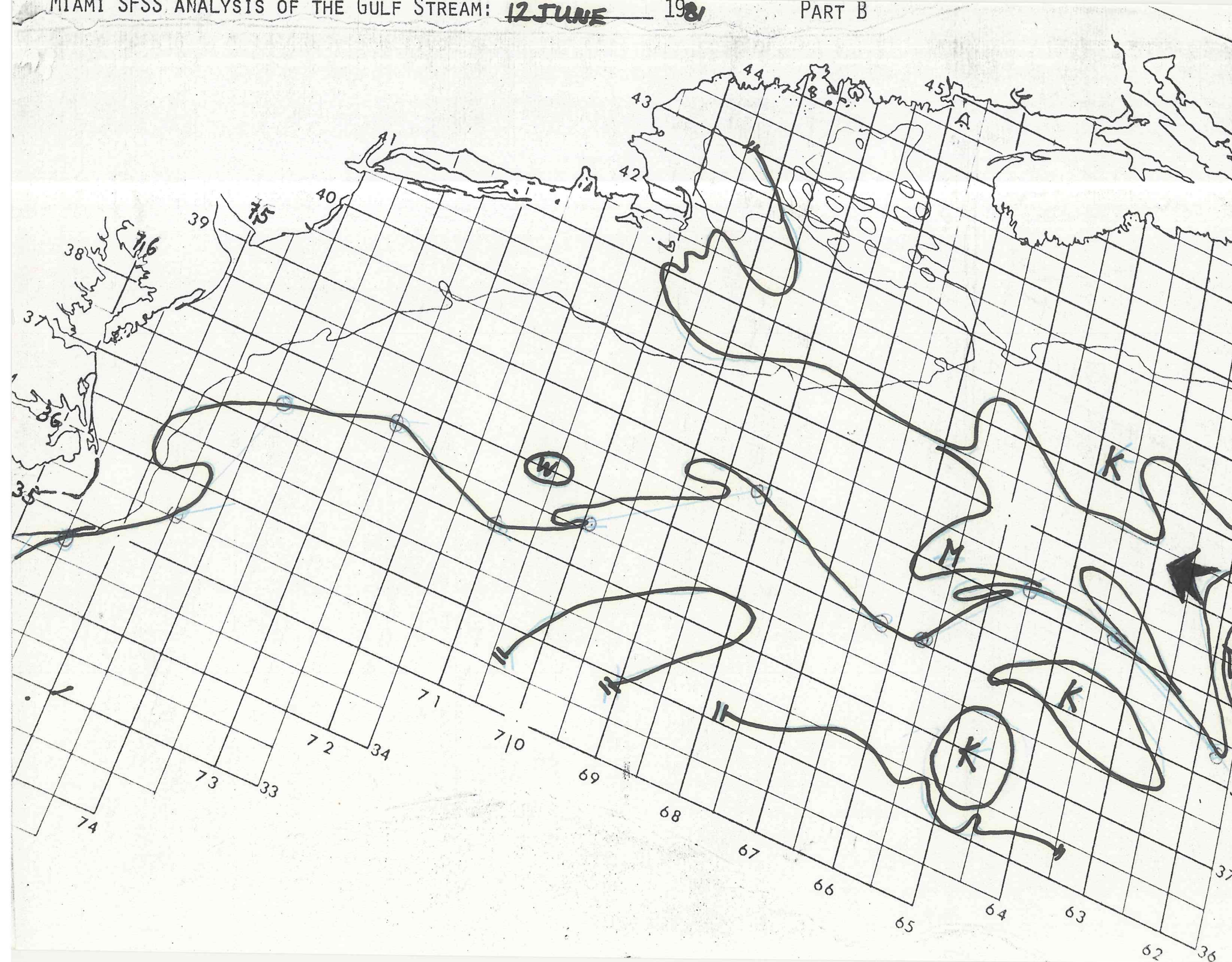
For additional information
 call (305) 665-4707
 FTS 350-4310

GULF STREAM SYSTEM FLOW CHART # 2450

270800 210800 320790 319778 335761
 344759 347755 355745 374738 377725
 371710 376699 389681 380662 361710
 380657 392645 391633 383617//



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



NNNN
ZCZC

TBXX40 KMIH 121345

MMIAADMMIA

MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT

12 JUN 1981

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

215864 221864 239870 247871 250868 249852 251836 243831.

POSITION BASED ON DATA FROM 20 MAY 81 THRU 25 MAY 81...XCP

03 JUN FM 86W TO 84W.

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

D81/80/M/28. E80/73/M/28. F74/60/M/28. G58/55/M/28. H27/66/M/28.

I31/64/M/28. J15/51/M/28. K 9/47/M/28. L M/ M/M/28. M M/ M/M/28.

N M/ M/M/28. O M/ M/M/28. P M/ M/M/28. Q M/ M/M/28. R M/ M/M/28.

S M/ M/M/28. U M/ M/M/28.

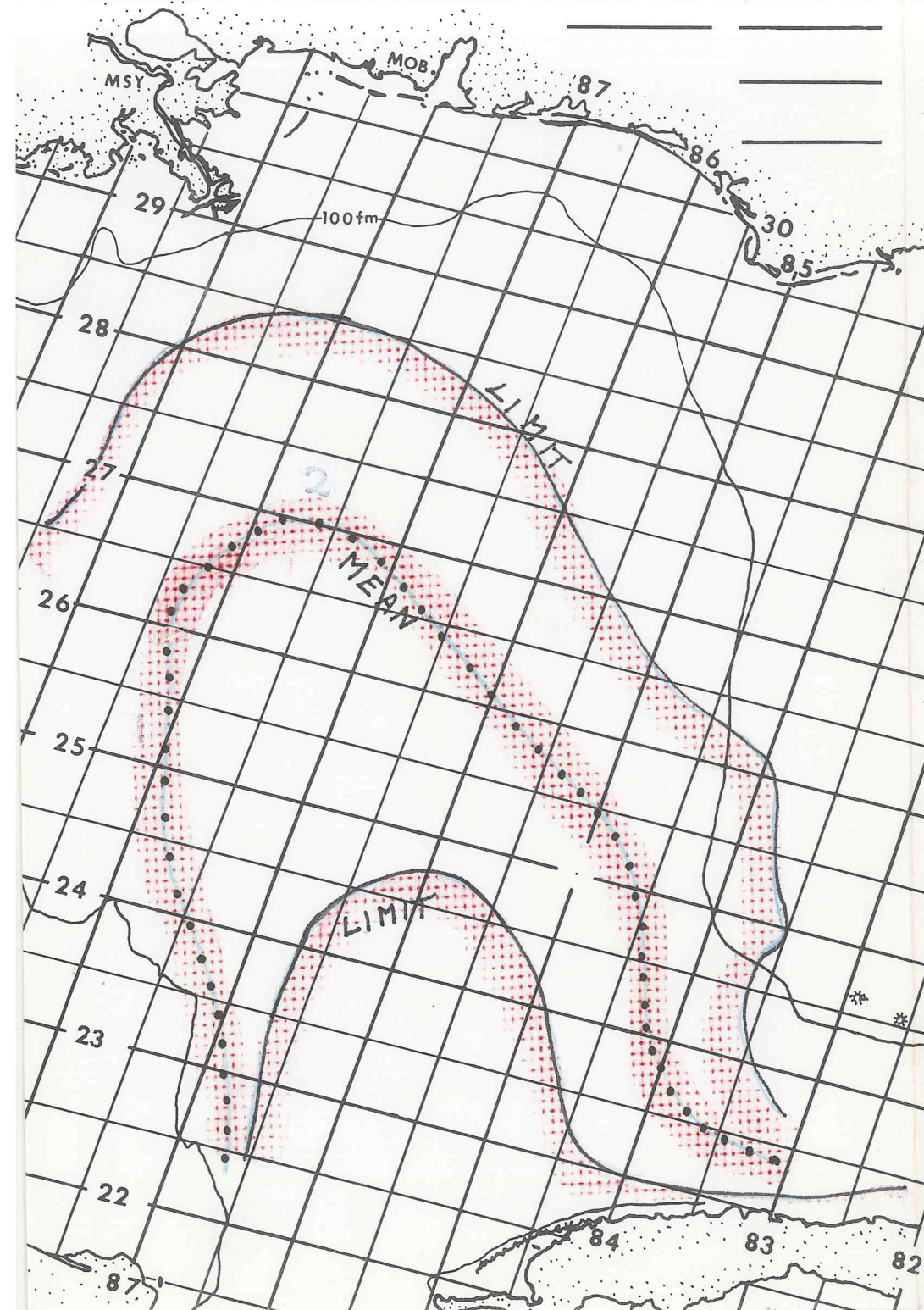
BAIG

1981 JUN 12 AM 11:37

GULF STREAM SYSTEM FLOW CHART # 2450

NO DISCERNABLE GRADIENTS.

PLOTTED LINES SHOW THE MEAN POSITION
OF THE LOOP CURRENT FOR JUNE, AND
THE LIMITS WITHIN WHICH THE LOOP
CURRENT HAS BEEN SEEN IN JUNE.



NOAA Miami SFSS

Date: 15 JUNE 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

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

NEXT
UPDATE

MIA.

GULF STREAM SYSTEM FLOW CHART # 2450

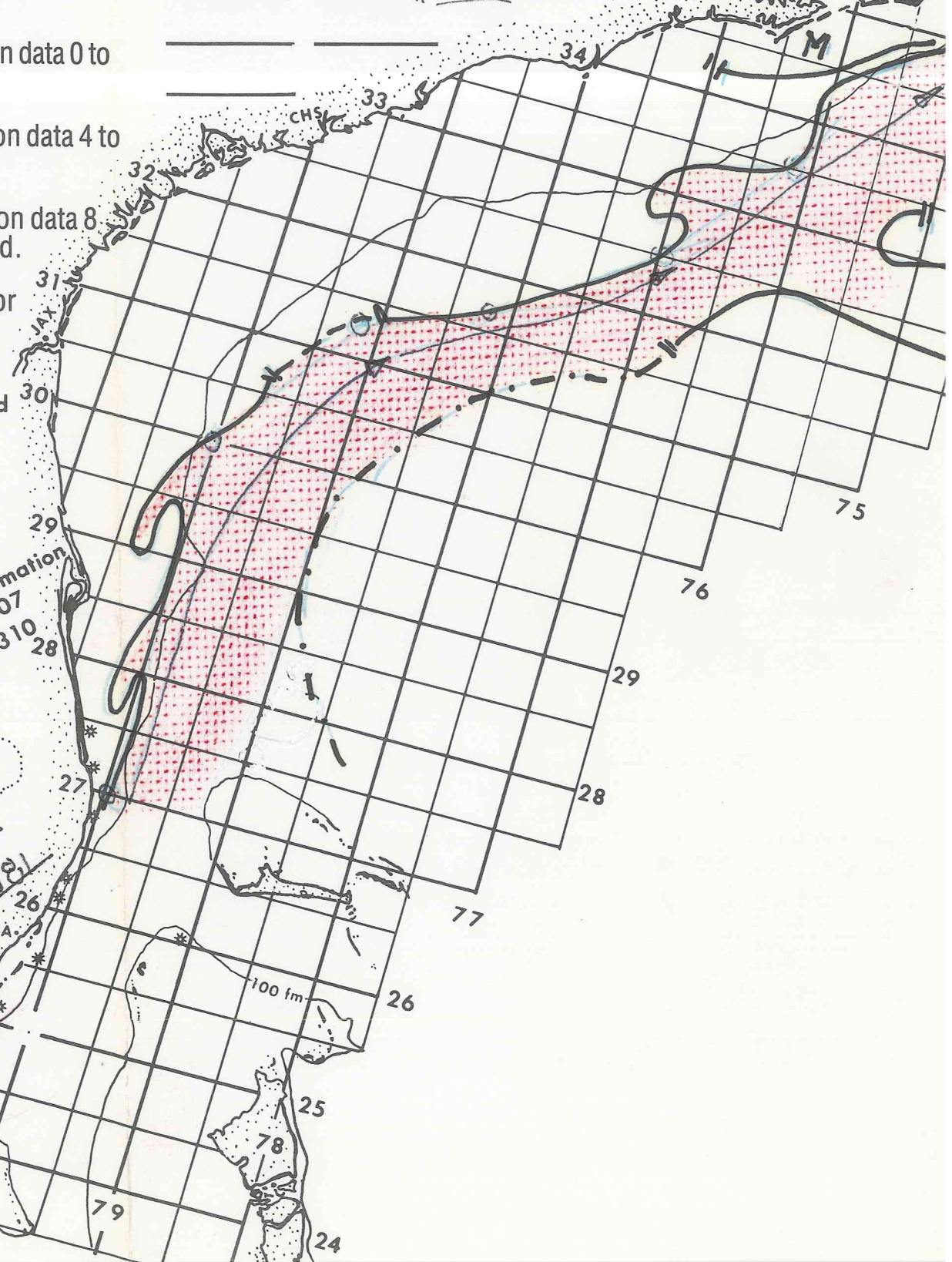
270800 300800 313792 317782 325770

335761 346757 350750 353741 376722

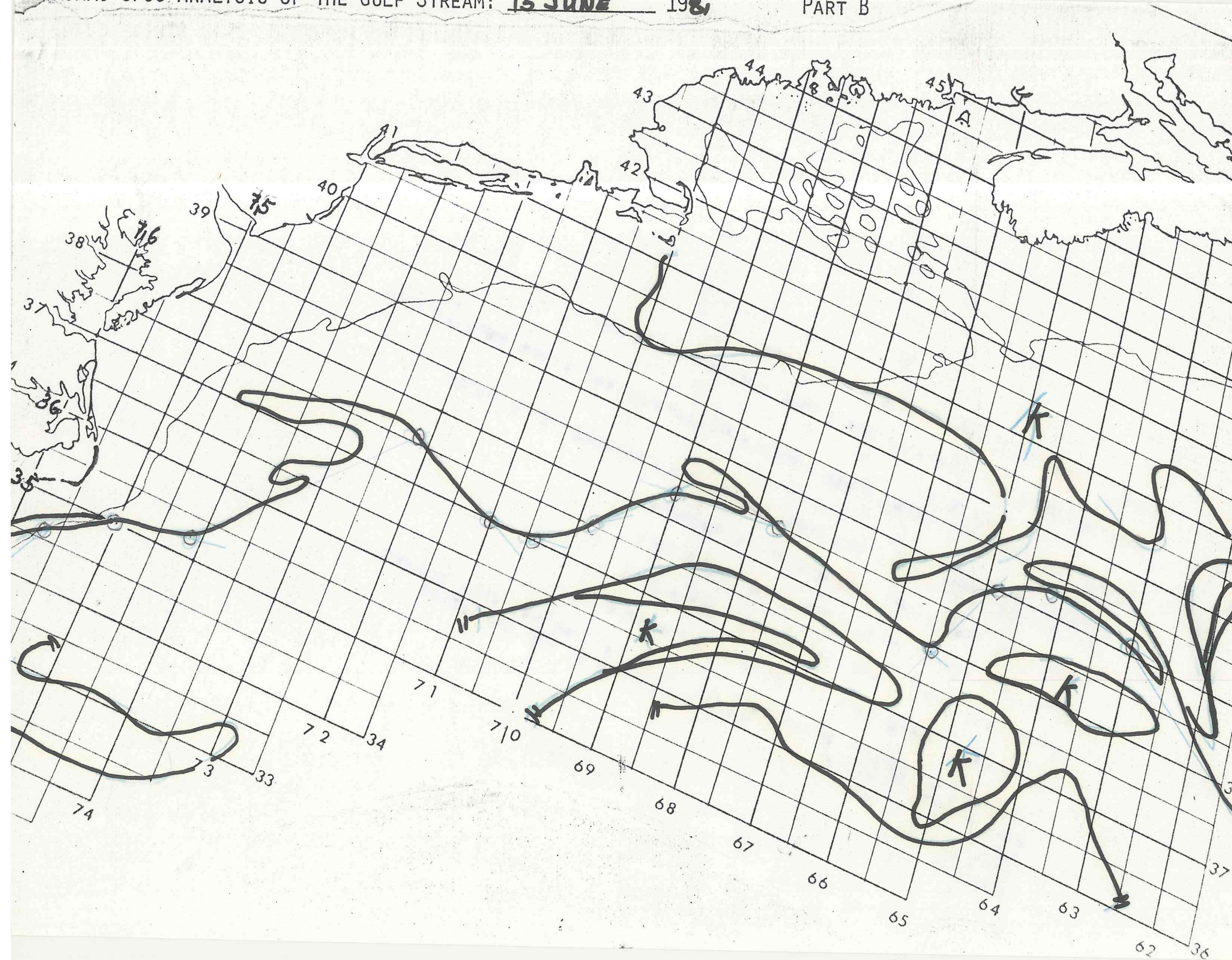
370710 370704 375698 384690 36

385677 380654 390648 393642 $\frac{1}{2}$

391630 380617// SLP 35



MIAMI SFSS ANALYSIS OF THE GULF STREAM: 15 JUNE 1984 PART B



NNNN↓↓A

ZCZC WBC233

TBXX40 MIA 15 15 15

↑MIAADMMIA

MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT

15 UN 1981

CODED POINTS GIVE LATITUDE/LONGITUDE ALONG THE COASTWARD

EDGE OF THE WARMER WATER....

.....NO DISCERNABLE GRADIENTS.....

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

D96/ M/M/28. E97/ M/M/28. F63/ M/M/28. G54/ M/M/28. H17/ M/M/28.

I32/ M/M/28. J19/ M/M/28. K12/ M/M/28. L M/ M/M/28. M M/ M/M/28.

N M/ M/M/28. O M/ M/M/28. P M/ M/M/28. Q M/ M/M/28. R M/ M/M/28.

S M/ M/M/28. U M/ M/M/28.

SMALL MEANDERS ARE OBSERVED ALONG THE SHOREWARD EDGE OF THE GULF
STREAM AT G AND I.

BAIG

NNNN+1A

ZCZC WBC303

SXNT 1 WBC 152140

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

27.0/80.0 30.0/80.0 31.5/79.4 32.0/78.0

32.8/77.0 33.5/76.1 34.6/75.7 35.0/75.0

35.3/74.1 37.6/72.2 37.0/71.0 37.0/70.4

38.3/69.2 38.3/67.7 38.0/65.4 39.0/64.8

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

COLD EDDIES 35.9/72.0/50 NMI DIAM 36.9/64.8/75 NMI DIAM 30.2/76.2/60
NMI DIAM

WARM EDDIES 39.7/66.6/95 NMI DIAM 39.7/61.1/110 NMI DIAM

LATEST SATELLITE DATA 6/15/81 AT 1200Z

NNNN ↓

V

ZCZC

SXNT1 KWBC 152140

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

27.0/80.0 30.0/80.0 31.5/79.4 32.0/78.0

32.8/77.0 33.5/76.1 34.6/75.7 35.0/75.0

35.3/74.1 37.6/72.2 37.0/71.0 37.0/70.4

38.3/69.2 38.3/67.7 38.0/65.4 39.0/64.8

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

COLD EDDIES 35.9/72.0/50 NMI DIAM 36.9/64.8/75 NMI DIAM 30.2/76.2/60
NMI DIAM

WARM EDDIES 39.7/66.6/95 NMI DIAM 39.7/61.1/110 NMI DIAM

LATEST SATELLITE DATA 6/15/81 AT 1200Z

NNNN

ZCZC

TBXX40 KNIA 151515

MMIAADMMIA

MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT

15 JUN 1981

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

.....NO DISCERNABLE GRADIENTS.....

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

B96/ N/M/28. E97/ N/M/28. F63/ N/M/28. G54/ N/M/28. H17/ N/M/28.

I32/ N/M/28. J19/ N/M/28. K12/ N/M/28. L M/ N/M/28. M M/ N/M/28.

N M/ N/M/28. O M/ N/M/28. P M/ N/M/28. Q M/ N/M/28. R M/ N/M/28.

S M/ N/M/28. U M/ N/M/28.

SMALL MEANDERS ARE OBSERVED ALONG THE SHOREWARD EDGE OF THE GULF
STREAM AT G AND I.

BTIG

1981 JUN 15 AM 11:24

NNNNLLQ

Date: 17 JUNE 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

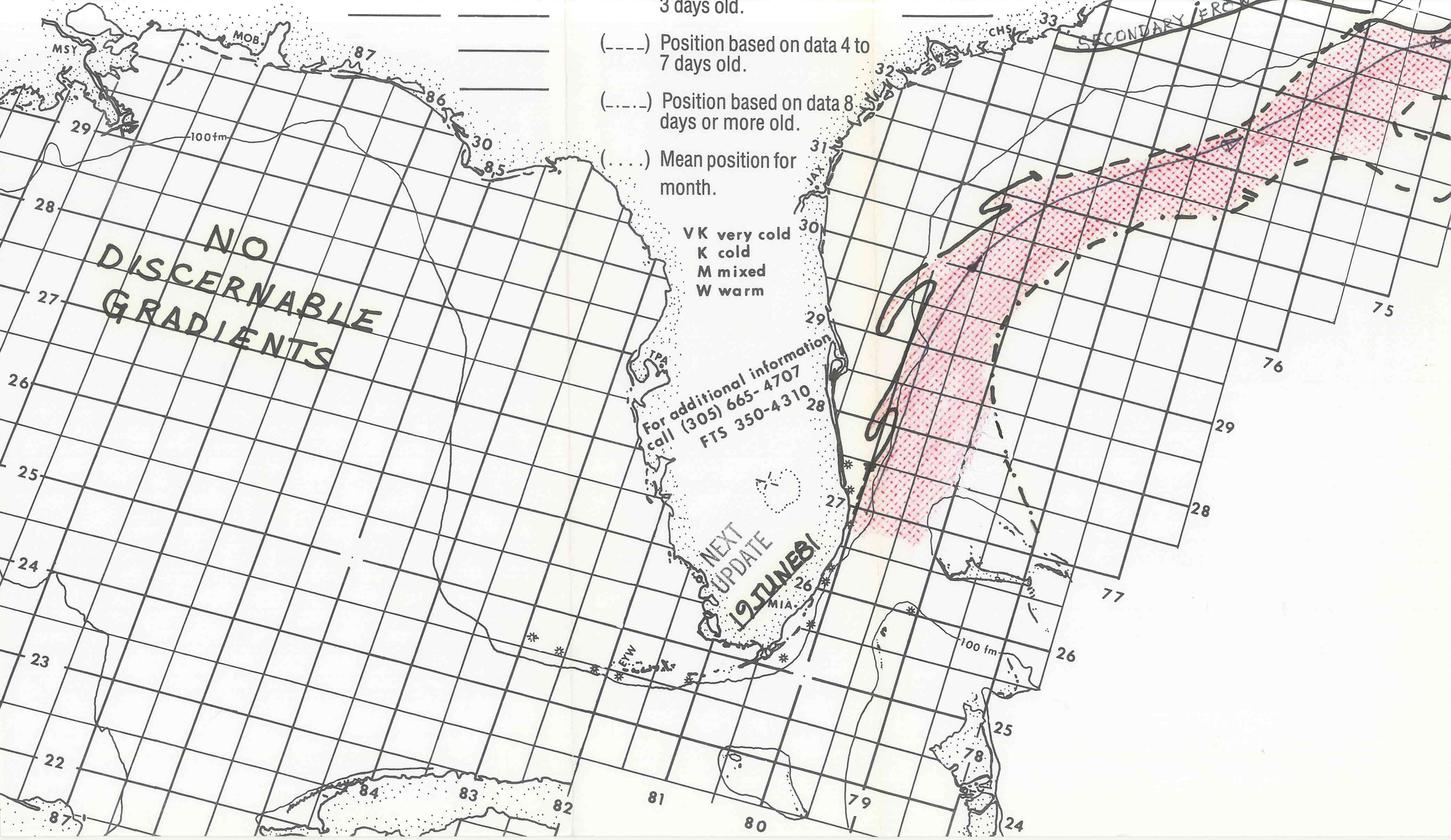
For additional information
call (305) 665-4707
FTS 350-4310

NEXT
UPDATE
19 JUNE 81

270800 280799 300800 314789 325770
341759 344751 354745 358734 365728
375723 369706 373700 383693 36
386683 384671 377663 375653
378651 390645 // 814

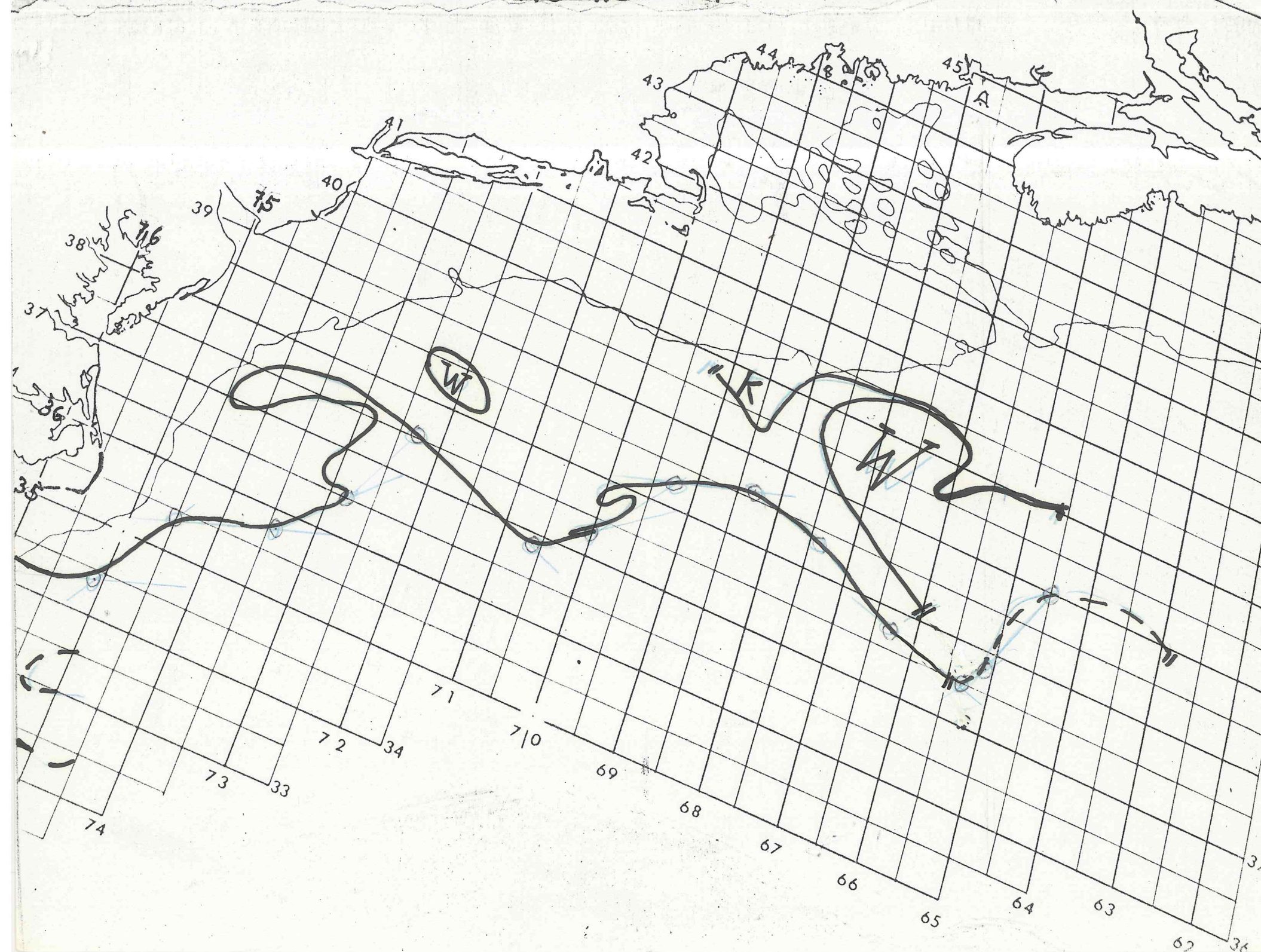
SECONDARY FRONT

NO
DISCERNABLE
GRADIENTS



MIAMI SFSS ANALYSIS OF THE GULF STREAM: 17 JUNE 1981

PART B



TRXX40 KNIA 171315

MMIAADMMIA

MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT

17 JUN 1981

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

.....NO DISCERNABLE GRADIENTS.....

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

D107/ N/W/28. E101/ N/W/28. F67/ N/W/28. G56/ N/W/28. H19/ N/W/28.

I34/ N/W/28. J13/ N/W/28. K17/ N/W/28. L N/ N/W/28. M N/ N/W/28.

N N/ N/W/28. O N/ N/W/28. P N/ N/W/28. Q N/ N/W/28. R N/ N/W/28.

S N/ N/W/28. U N/ N/W/28.

SMALL MEANDERS ARE OBSERVED ALONG THE SHOREWARD EDGE OF THE GULF
STREAM AT D...BETWEEN F AND G...AND AT I.

BRIG

1981 JUN 17 AM 9:20

Date: 19 JUNE 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.

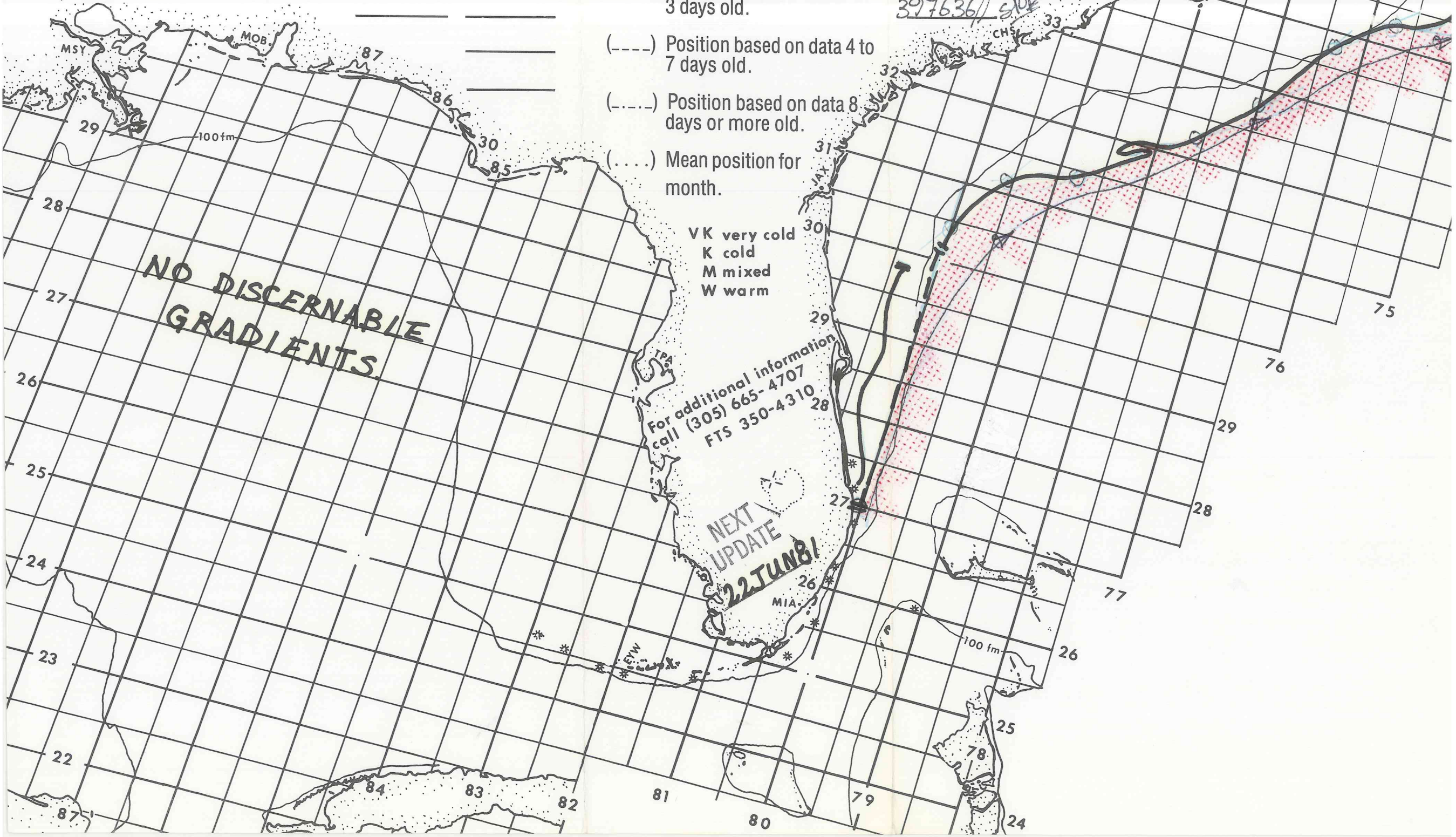
- (——) Position based on data 0 to 3 days old.
- (----) Position based on data 4 to 7 days old.
- (.....) Position based on data 8 days or more old.
- (....) Mean position for month.

270800 304800 312796 314788 322776
328770 338764 342758 344752 355744
359733 364727 377722 369707 361703
368703 371699 382697 385683
384675 374652 377649
387650 394645
397636/1 50K

VK very cold
K cold
M mixed
W warm

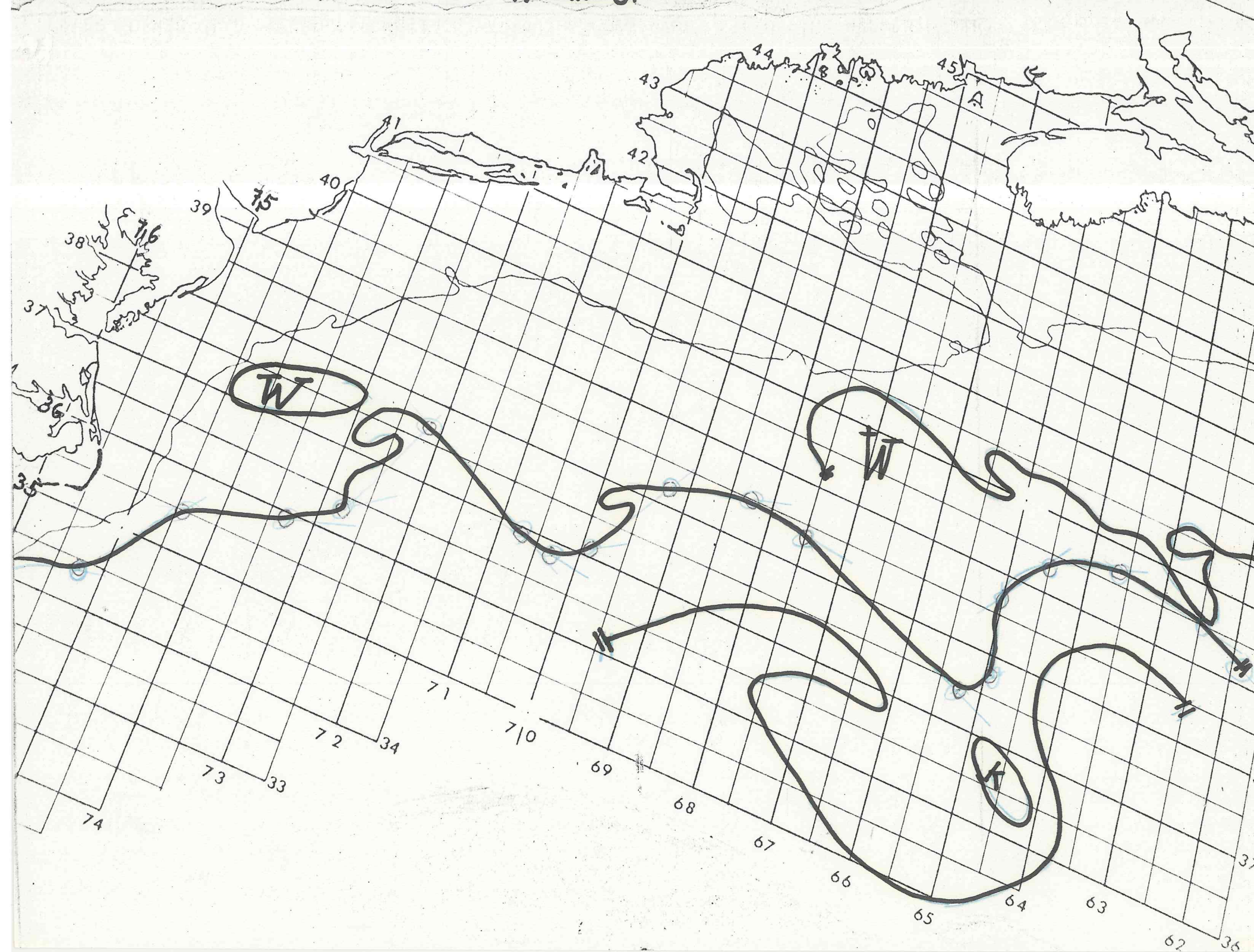
For additional information
call (305) 665-4707
FTS 350-4310

NEXT
UPDATE
22 JUN 81



MIAMI SFSS ANALYSIS OF THE GULF STREAM: 19 JUNE 81 19

PART B



V

ZCZC

SXNT1 KWBC 192031

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

27.0/80.0	30.4/80.0	31.2/79.6	
31.4/78.8	32.2/77.6	32.8/77.0	33.8/76.4
34.2/75.8	34.4/75.2	35.5/74.4	35.9/73.3
36.4/72.8	37.7/71.9	37.0/71.0	36.9/70.5
37.1/69.9	38.2/69.7	38.4/68.2	37.2/65.0

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

COLD EDDIESO 36.3/64.4/45 NMI DIAM.

WARM EDDIESO 39.7/66.7/95 NMI DIAM. 39.5/61.1/110 NMI DIAM.

LATEST SATELLITE DATAO 6/19/81 AT 0Z

NNNN
ZCZC

1981 JUN 19 AM 9:45

T8XX40 KNIA 191330

4NIRADNMIA

MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT

19 JUN 1981

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

.....NO DISCERNABLE GRADIENTS.....

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

D90/ N/M/28, E85/ N/M/28, F67/ N/M/28, G56/ N/M/28, H19/ N/M/28,

I34/ N/M/28, J13/ N/M/28, K17/ N/M/28.

DATA AT D AND E ARE CURRENT. OTHER POINTS ARE FROM 17 JUNE 81.

A SECONDARY FRONT IS OBSERVED AT THE FOLLOWING DISTANCES DUE EAST
OF THESE MARKS...F52, G35, H03, I14, J08, K00.

BTIG

GULF STREAM SYSTEM FLOW CHART # 2450

NOAA Miami SFSS

GULF STREAM SYSTEM FLOW CHART # 2450

Date: 22 JUNE 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.

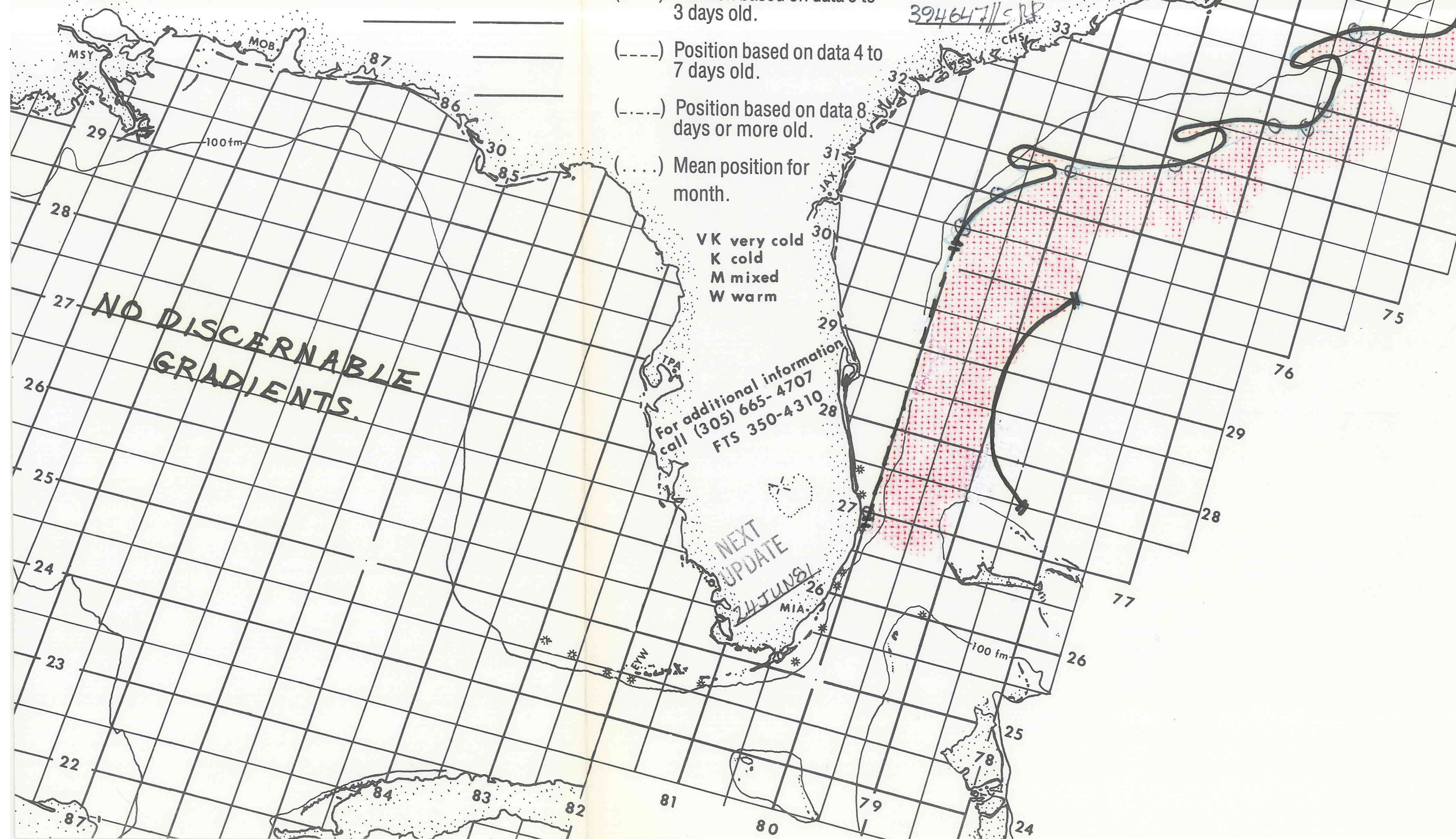
(....) Mean position for month.

VK very cold
K cold
M mixed
W warm

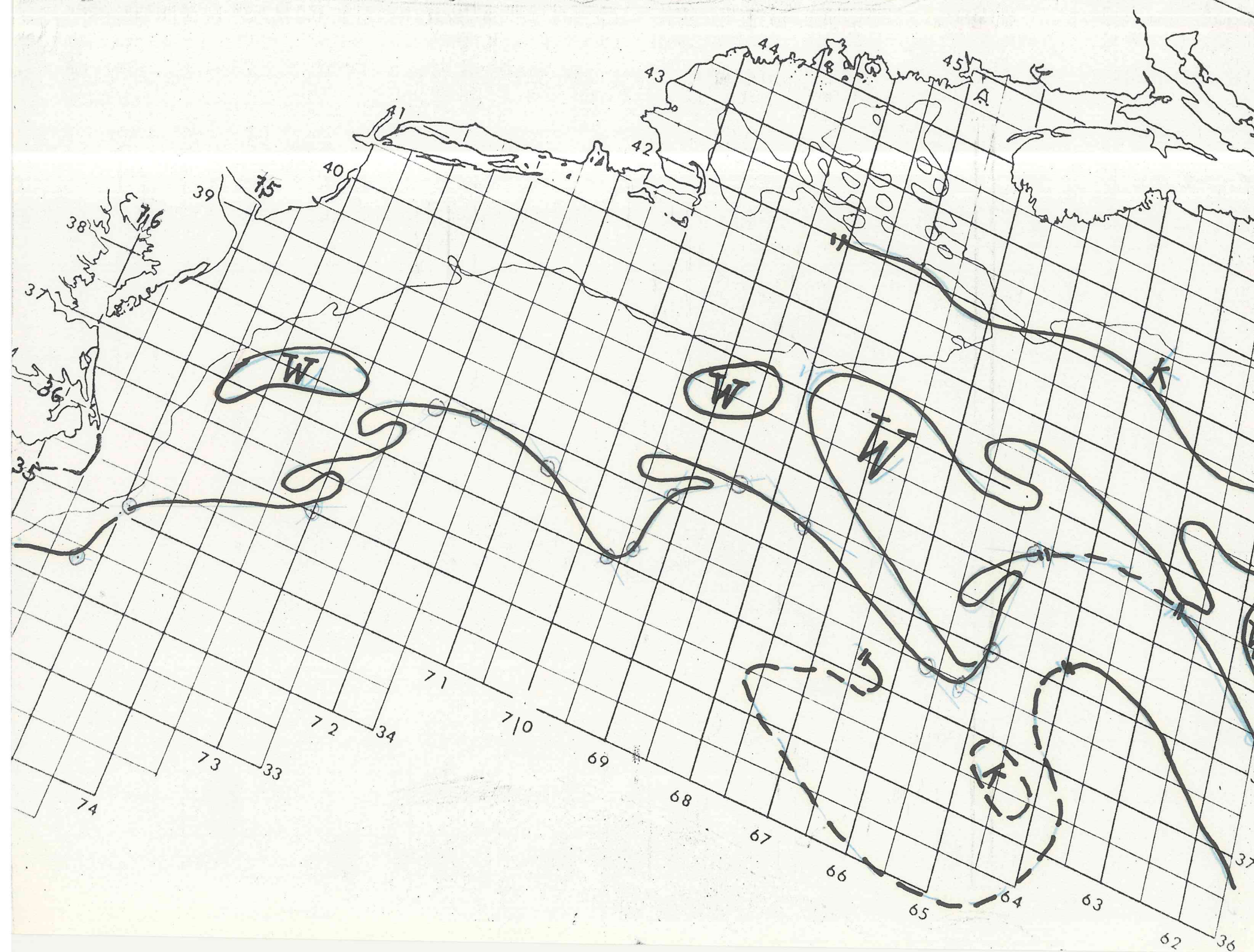
For additional information
call (305) 665-4707
FTS 350-4310

NEXT
UPDATE
24 JUNE 81
MIA.

270800 305800 310797 315790 319778
326729 327765 330764 341763 344752
351749 360730 379721 379716 361716
377706 370696 372694 381691
385684 384675 375657
375652 380650
394647 // CR



PART B



NNNN ↓

V

ZCZC

SXNT1 KWBC 222138

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

27.0/80.0 30.5/80.0 31.0/79.7 31.5/79.0

31.9/77.8 32.6/72.9 32.7/76.5 33.0/76.4

34.1/76.3 34.4/75.2 35.1/74.9 36.2/73.0

37.0/72.0 37.7/71.6 37.7/70.6 37.0/69.6

37.2/69.4 38.1/69.1 38.5/68.4 38.4/67.5

37.7/65.7 37.6/65.0

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

COLD EDDIES 36.3/64.5/50 NMI DIAM.

WARM EDDIES 39.6/65.6/75 NMI DIAM.⊙ 39.6/60.8/85 NMI DIAM⊙ 40.7/
51.8/75 NMI DIAM.

LATEST SATELLITE DATA⊙ 6/22/81 AT 1322Z

ZCZC

TRXX40 KNIA 221550

*MIADMMIA

MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT
22 JUN 1981

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

.....NO DISCERNABLE GRADIENTS.....

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

D90/86/M/28. E85/82/M/28. F67/84/M/28. G56/61/M/28. H19/87/M/28.
I34/62/M/28. J13/58/M/28. K17/47/M/28.

DATA AT D AND E ARE CURRENT. OTHER POINTS ARE FROM 17 JUNE 81.

BAIG

NNNN

1981 JUN 22 PM 12:49

Date: 24 JUNE 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.

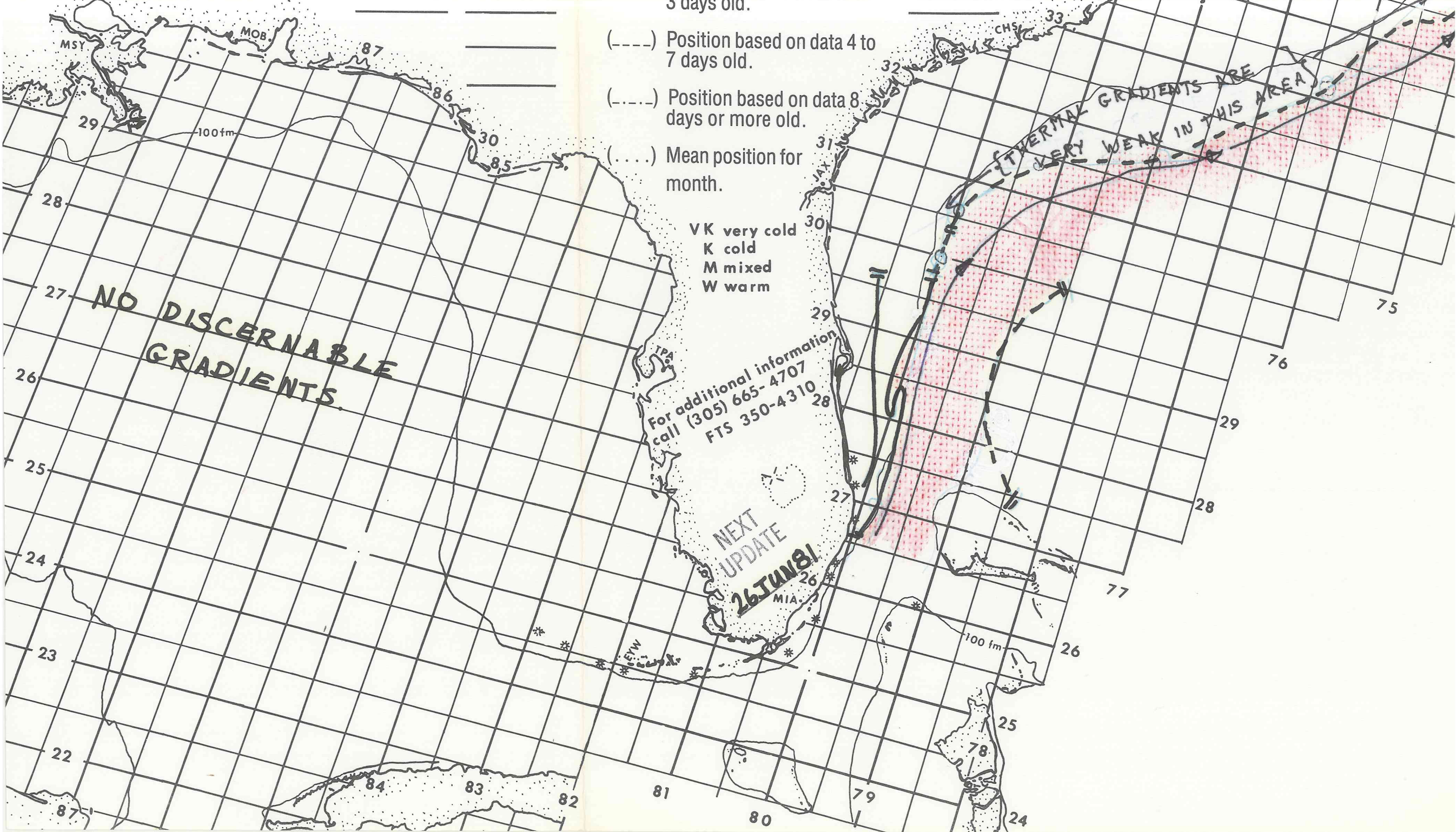
VK very cold
K cold
M mixed
W warm

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

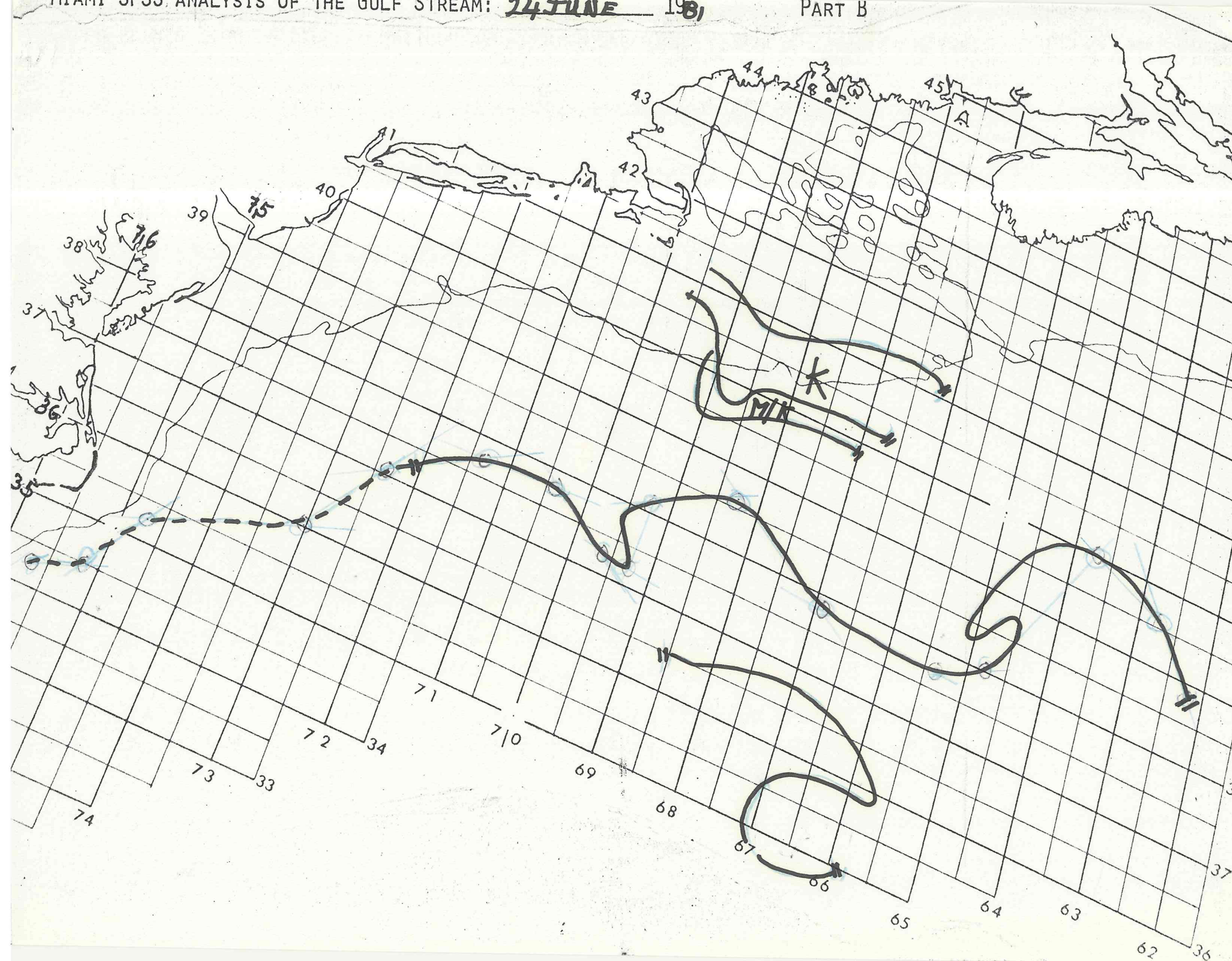
NEXT
UPDATE
26 JUN 81
MIA

270798 300800 306800 314792 318780
332763 343757 345752 353747 360730
371724 377714 378704 373696 36
372693 381692 386683 379669
378654 380648 400637
395627 388622 81K

WATER GRADIENTS ARE
VERY WEAK IN THIS AREA



MIAMI SFSS ANALYSIS OF THE GULF STREAM: 24 JUNE 1981 PART B



GULF STREAM SYSTEM FLOW CHART # 2450

NOAA Miami SFSS

GULF STREAM SYSTEM FLOW CHART # 2450

Date: 26 JUNE 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

NEXT
UPDATE
29 JUNE 81

270799 273799 301800 309798 315790

319780 331764 343758 343754 354745

366735 376723 377704 374697 36

375694 385689 387683 387676

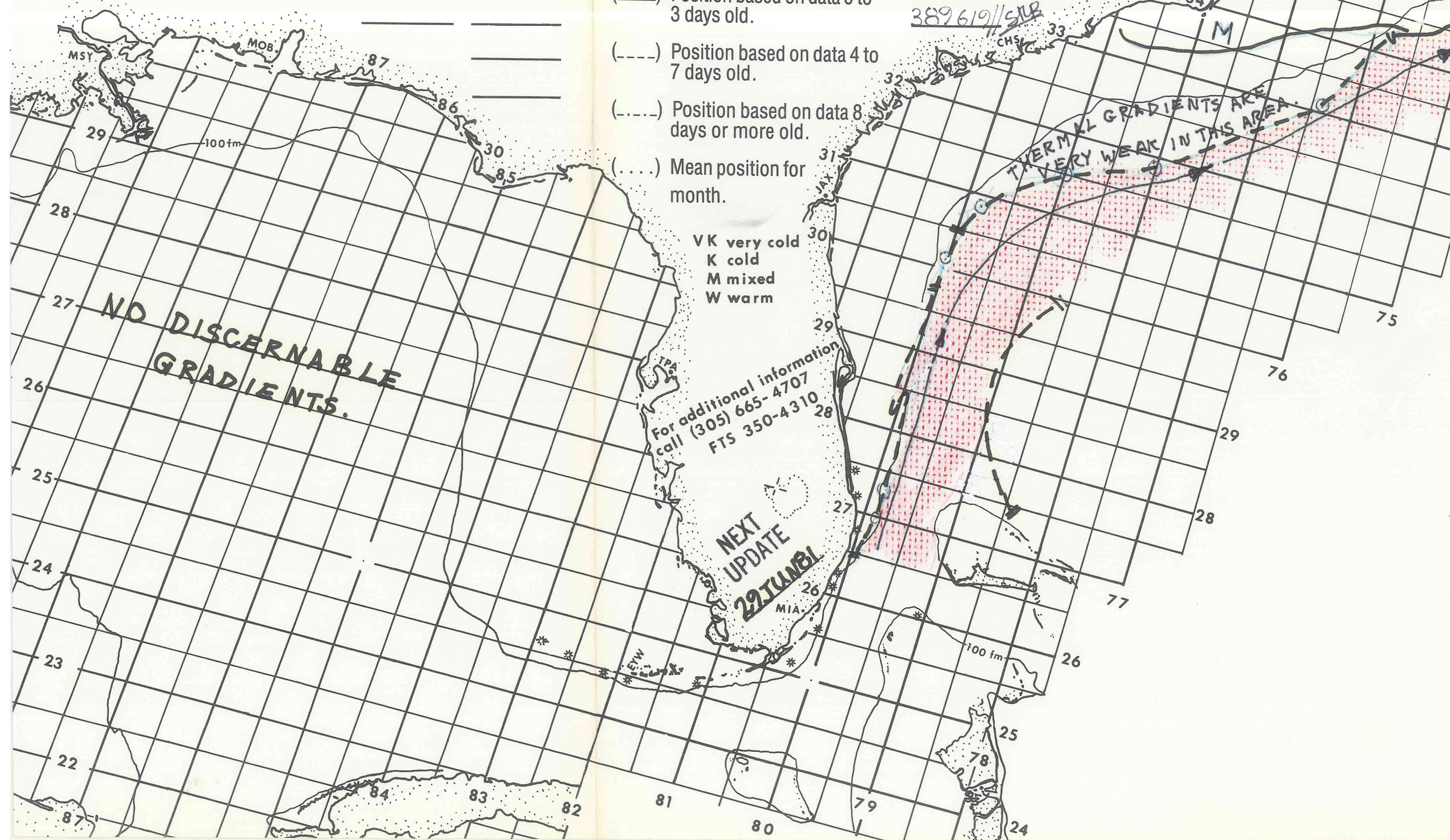
378660 378654 381650

400636 398627

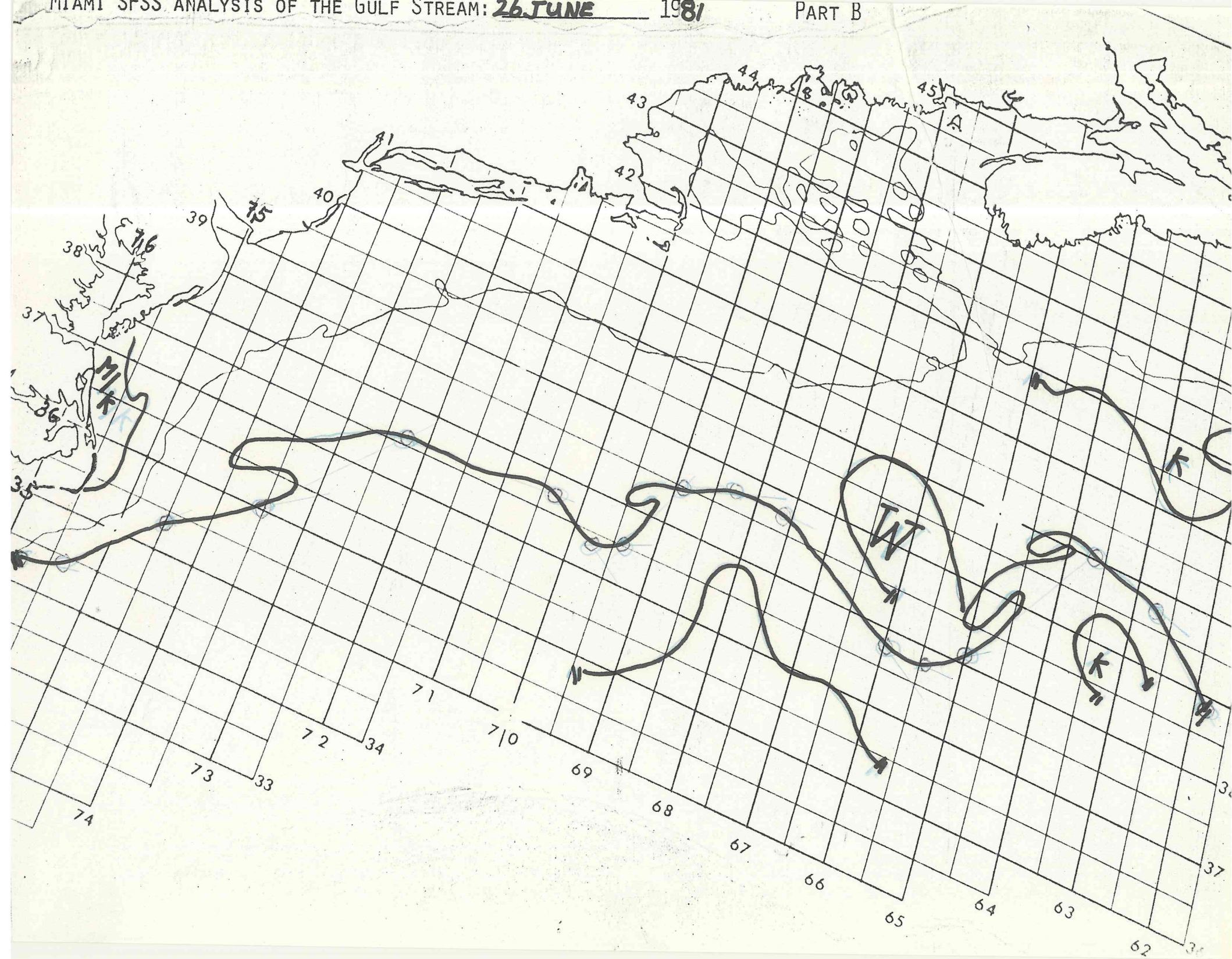
389619 519

THERMAL GRADIENTS ARE
VERY WEAK IN THIS AREA

NO DISCERNABLE
GRADIENTS.



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



GULF STREAM SYSTEM FLOW CHART # 2450

NOAA Miami SFSS

GULF STREAM SYSTEM FLOW CHART # 2450

Date: 29 JUNE 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.

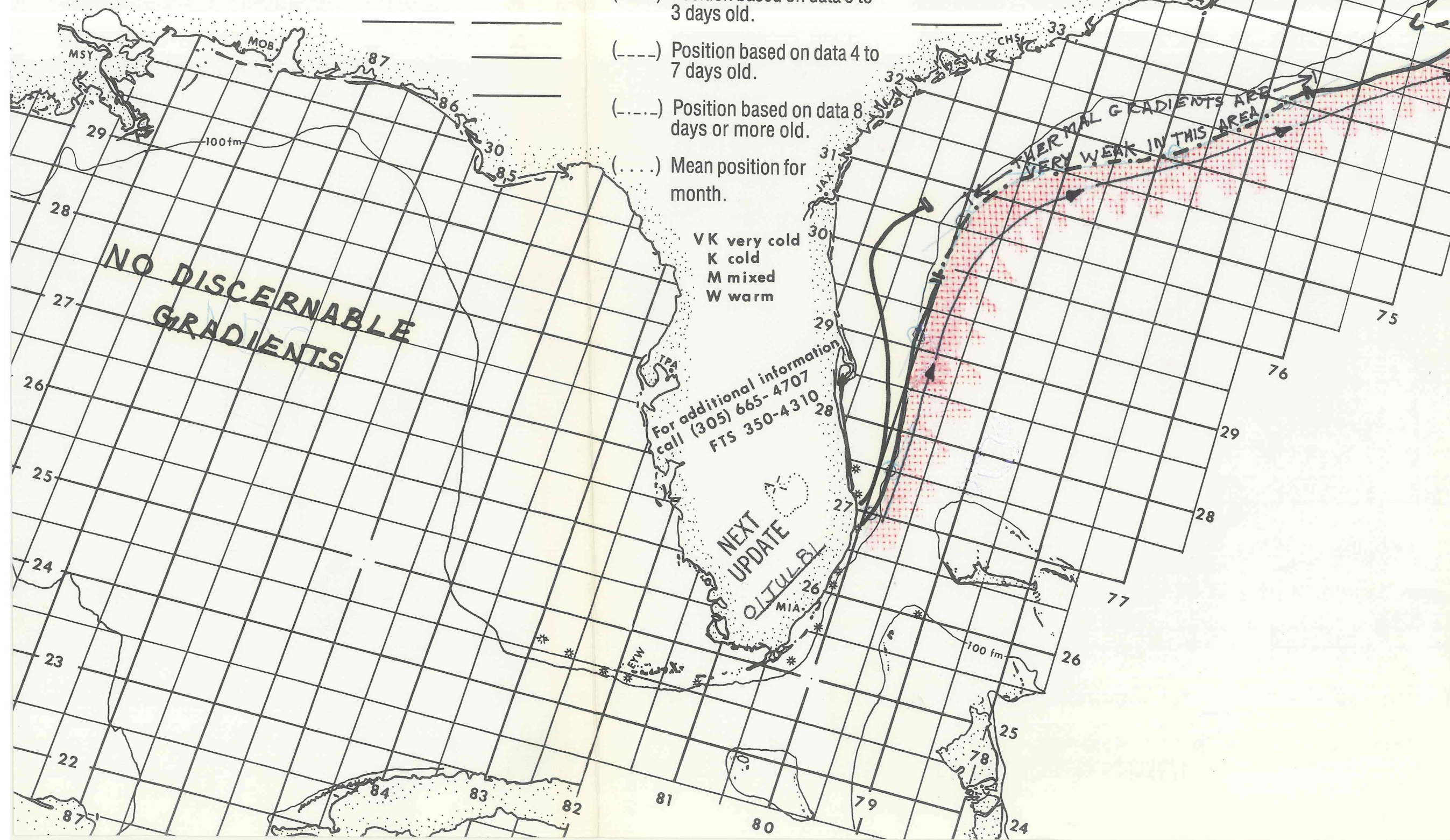
(....) Mean position for month.

VK very cold
K cold
M mixed
W warm

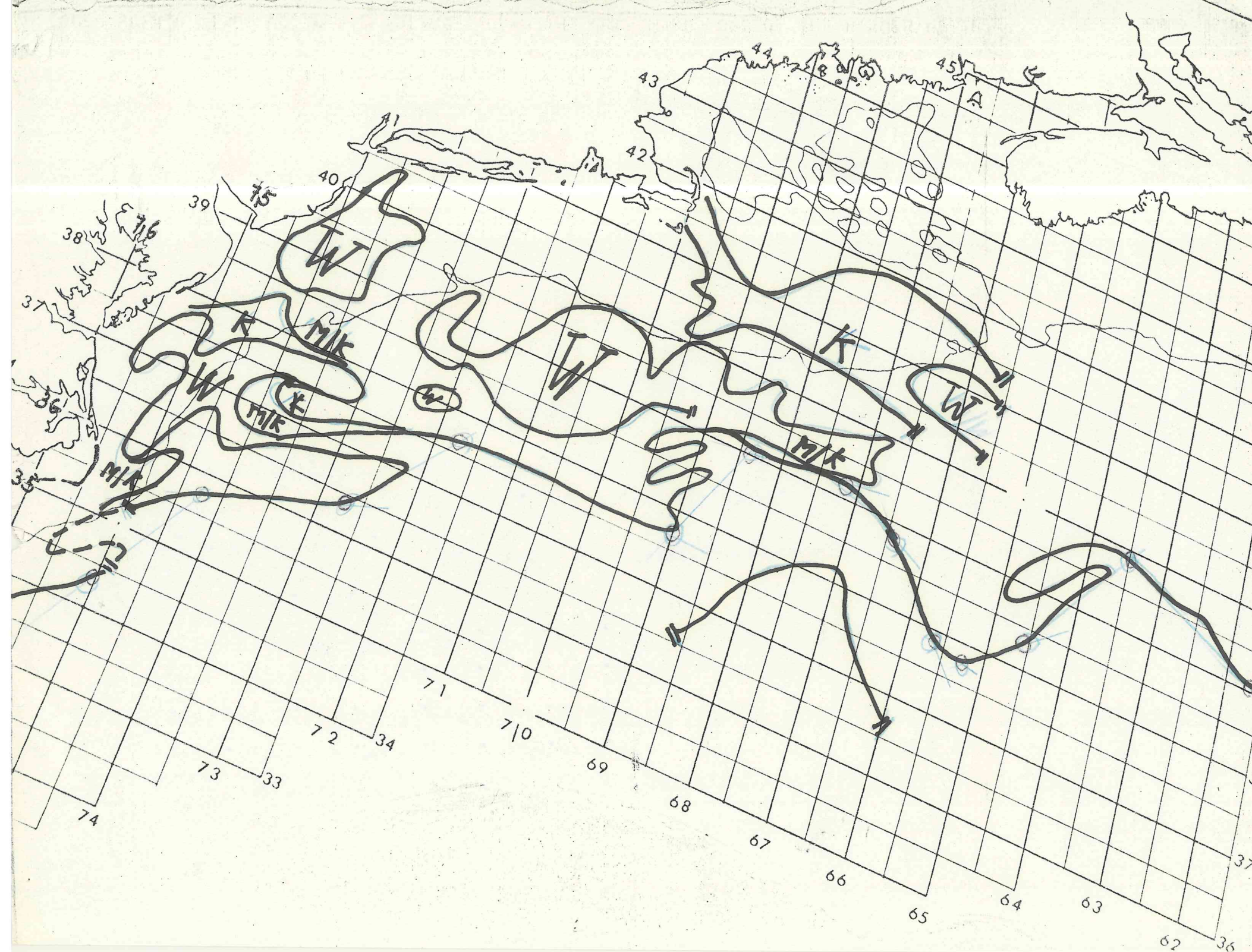
For additional information
call (305) 665-4707
FTS 350-4310

NEXT
UPDATE
01 JUL 81

270799 275799 292800 306800 314794
321779 330768 344750 358742 364727
376717 377690 390684 392672 36
388664 379676 378652 384646
399635 391617 818



MIAMI SFSS ANALYSIS OF THE GULF STREAM: 29 JUNE 1981 PART B



MABV

ZCZC

TEXX40 KMIA 291300

↑MIAADMMIA

MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT

29 JUN 1981

CODED POINTS GIVE LATITUDE/LONGITUDE ALONG THE COASTWARD

EDGE OF THE WARMER WATER....

.....NO DISCERNABLE GRADIENTS.....

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

D86/ M/M/28. E82/ M/M/28. F72/ M/M/28. G51/ M/M/28. H25/ M/M/28.

I36/ M/M/28. J23/ M/M/28. K16/ M/M/28. L M/M/M/28.

DATA AT D AND E ARE FROM 22 JUNE 81. ALL OTHERS ARE 28 JUNE 81.

A SECONDARY FRONT IS OBSERVED SHOREWARD OF THE MAIN GULFSTREAM

FRONT AT THESE DISTANCES...D54. E42. F22. G29. H13. I26. J15. K07.

BAIG

NNNN ↓

ZCZC

TBXX40 KNIA 291300

^MIARONNIA

MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT

29 JUN 1981

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

.....NO DISCERNABLE GRADIENTS.....

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

D86/ N/N/28. E82/ N/N/28. F72/ N/N/28. G51/ N/N/28. H25/ N/N/28.

I36/ N/N/28. J23/ N/N/28. K16/ N/N/28. L N/N/N/28.

DATA AT D AND E ARE FROM 22 JUNE 81. ALL OTHERS ARE 28 JUNE 81.

A SECONDARY FRONT IS OBSERVED SHOREWARD OF THE MAIN GULFSTREAM
FRONT AT THESE DISTANCES...D54. E42. F22. G29. H13. I26. J15. K07.

DATA

1981 JUN 29 AM 9:08

NNNN