

Date: **02 AUG 1982**

Depicted land should not be used for navigation.

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

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

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

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

(....) Mean position for month

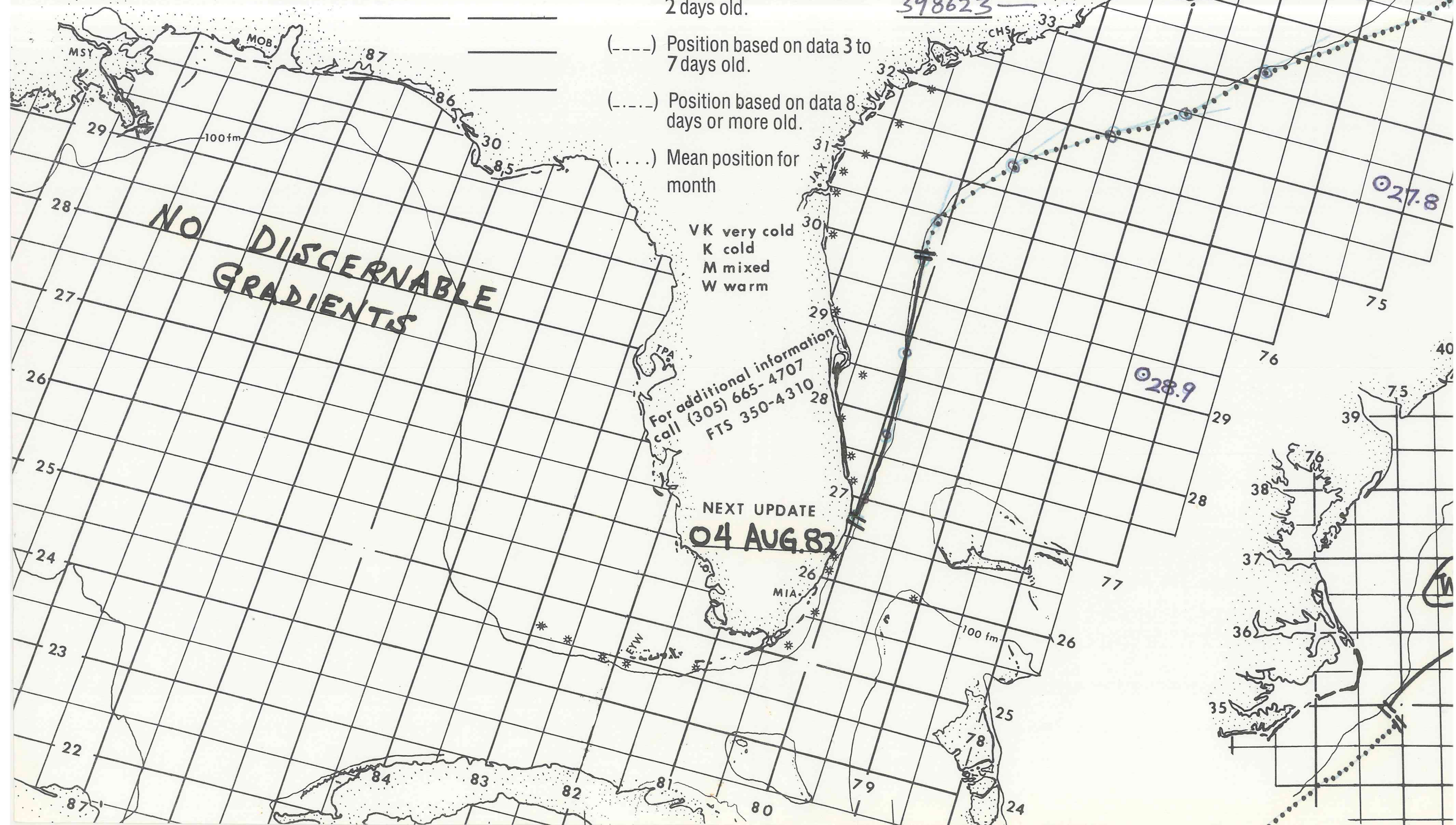
VK very cold
K cold
M mixed
W warm

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

NEXT UPDATE

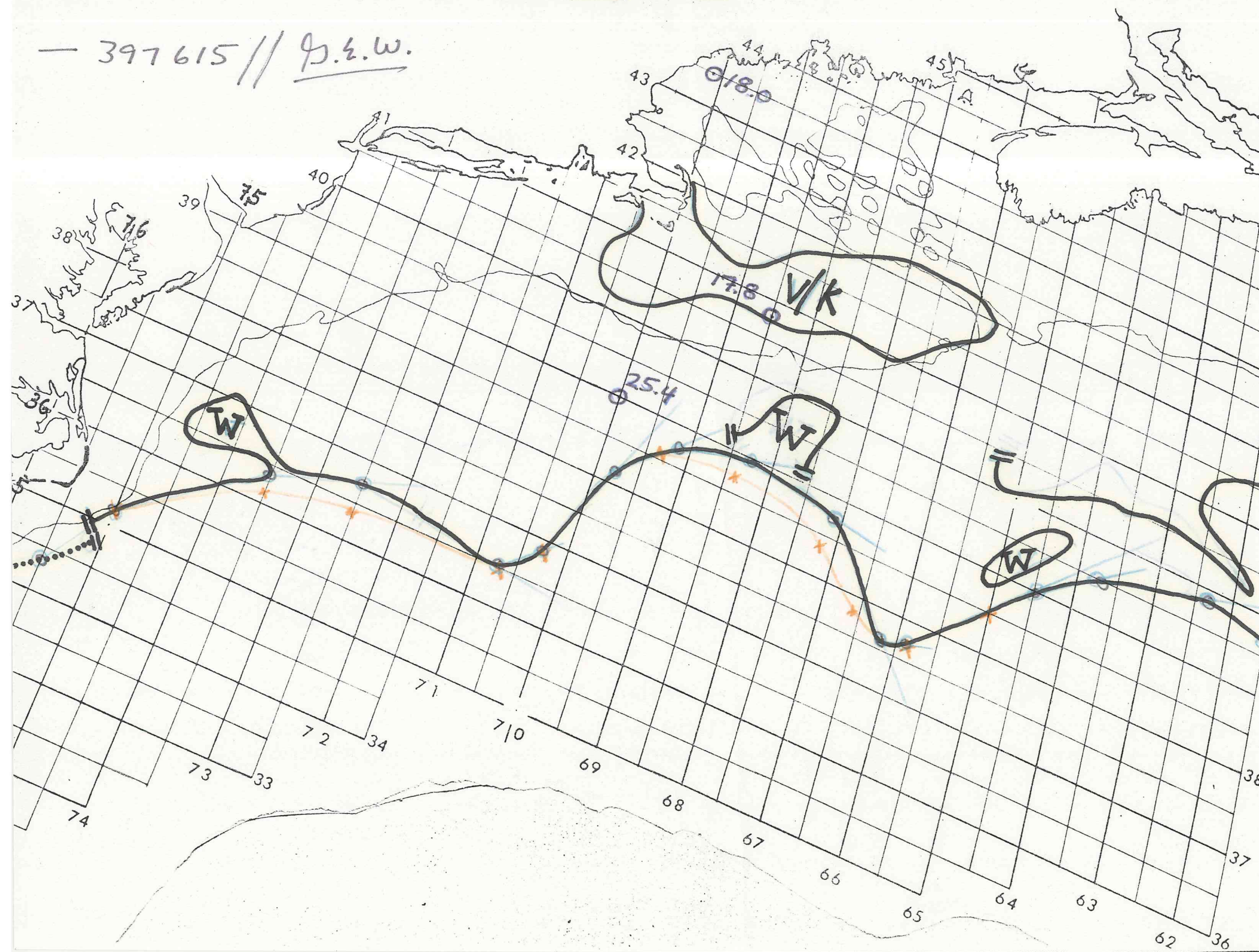
04 AUG 82

270799 278799 288800 300801 304801
313795 320785 325777 332769 344755
352750 364735 367725 365707 36
369703 382698 387691 389683
387671 376662 377658
390645 395636
398623



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

— 397615 // P.L.W.



NNNN

ZCZC MIAGLMMIA

TBXX40 KMIA 021700

MIAMI SFSS OCEANOGRAPHIC ANALYSES...02 AUG 1982 1982 AUG -2 PM 1:23

CODED POINTS GIVE LATITUDE/LONGITUDE ALONG THE COASTWARD EDGE
OF THE WARMER WATER OF THE GULF OF MEXICO LOOP CURRENT...
.....NO DISCERNABLE GRADIENTS.....

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

A81/M/M/29. B74/M/M/29. C90/M/M/29. D89/M/M/29. E76/M/M/30.

F70/M/M/30. G55/M/M/30. H28/M/M/30. I34/M/M/30. J20/M/M/30.

K12/M/M/30. L03/M/M/30.

AA70/M/M/29 BB70/M/M/29. CC40/M/M/29. DD36/M/M/29.

EE40/M/M/28. FF77/M/M/28. GG31/M/M/28. HH57/M/M/28.

II15/M/M/28. JJ50/M/M/28.

DATA FOR F THROUGH L AND II THROUGH JJ ARE CURRENT. DATA FOR A
THROUGH E AND AA THROUGH HH ARE THE MEAN...REPEAT MEAN...POSITION
OF THE SHOREWARD EDGE OF THE GULF STREAM FOR THE MONTH OF AUGUST.
THE MEAN POSITION DATA WILL CONTINUE TO BE USED FOR THE GULF STREAM
SHOREWARD EDGE BETWEEN 27N AND 35N AS LONG AS CLOUD COVER CONTINUES
TO PREVENT OBSERVATIONS IN THIS AREA.

WHITE

Resent
JGL

1982 AUG -2 PM 8:35

ZCZC MIAGLMMIA
TBXX40 KMIA 021700
MIAMI SFSS OCEANOGRAPHIC ANALYSES...02 AUG 1982

CODED POINTS GIVE LATITUDE/LONGITUDE ALONG THE COASTWARD EDGE
OF THE WARMER WATER OF THE GULF OF MEXICO LOOP CURRENT...
.....NO DISCERNABLE GRADIENTS.....

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

A81/M/M/29. B74/M/M/29. C90/M/M/29. D89/M/M/29. E76/M/M/30.
F70/M/M/30. G55/M/M/30. H28/M/M/30. I34/M/M/30 J20/M/M/30.
K12/M/M/30. L03/M/M/30.

AA70/M/M/29. BB70/M/M/29. CC40/M/M/29. DD36/M/M/29.
EE40/M/M/28. FF77/M/M/28. GG31/M/M/28. HH57/M/M/28.
II15/M/M/28. JJ50/M/M/28.

DATA FOR F THROUGH L AND II THROUGH JJ ARE CURRENT. DATA FOR A
THROUGH E AND AA THROUGH HH ARE THE MEAN...REPEAT MEAN POSITION
OF THE SHOREWARD EDGE OF THE GULF STREAM FOR THE MONTH OF AUGUST.
THE MEAN POSITION DATA WILL CONTINUE TO BE USED FOR THE GULF STREAM
SHOREWARD EDGE BETWEEN 27N AND 35N AS LONG AS CLOUD COVER CONTINUES
TO PREVENT OBSERVATIONS IN THIS AREA.

WHITE

NNNN↓

V

ZCZC

SXNT1 KWBC 022105

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

27.0/79.9 27.8/79.9 28.8/80.0 30.0/80.1

30.4/80.1 31.3/79.5 32.0/78.5 32.5/77.7

33.2/76.9 34.4/75.5 35.2/75.0 // 36.2/73.5

36.4/72.5 36.5/70.7 36.9/70.3 38.6/69.3

38.7/68.4 38.4/67.2 37.8/66.6 37.7/65.8

38.5/65.0

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

COLD EDDIES 36.3/53.2/110 NMI. DIAM 39.5/53.5/55 NMI. DIAM.

WARM EDDIES 36.7/73.8/35 NMI. DIAM 39.5/67.6/90 NMI DIAM
40.7/61.2/100 NMI. DIAM.

LATEST SATELLITE DATA 8/2/82 AT 1200Z

NNNN↓V

ZCZC

SXNT1 KWBC 042025

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

27.0/79.9	27.8/79.9	28.8/80.0	30.0/80.1
30.4/80.1	31.3/79.5	32.0/78.5	32.5/77.7
33.2/76.9	34.4/75.5	35.2/75.0	36.2/73.5
36.4/72.5	36.5/70.7	36.9/70.3	38.6/69.3
38.7/68.4	38.4/67.2	37.8/66.6	37.7/65.8
38.5/65.0			

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

COLD EDDIESO 36.3/53.2/110 NMI. DIAM. 39.5/53.5/55 NMI. DIAM.

WARM EDDIESO 36.7/73.8/35 NMI. DIAM. 39.5/67.6/90 NMI. DIAM
40.7/61.2/100 NMI. DIAM.

LATEST SATELLITE DATAO 8/2/82 AT 1200Z.

NNNN↓

Date: 04 AUG 1982

Depicted land should not be used for navigation.

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

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

VK very cold
K cold
M mixed
W warm

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

NEXT UPDATE
06 AUG 82

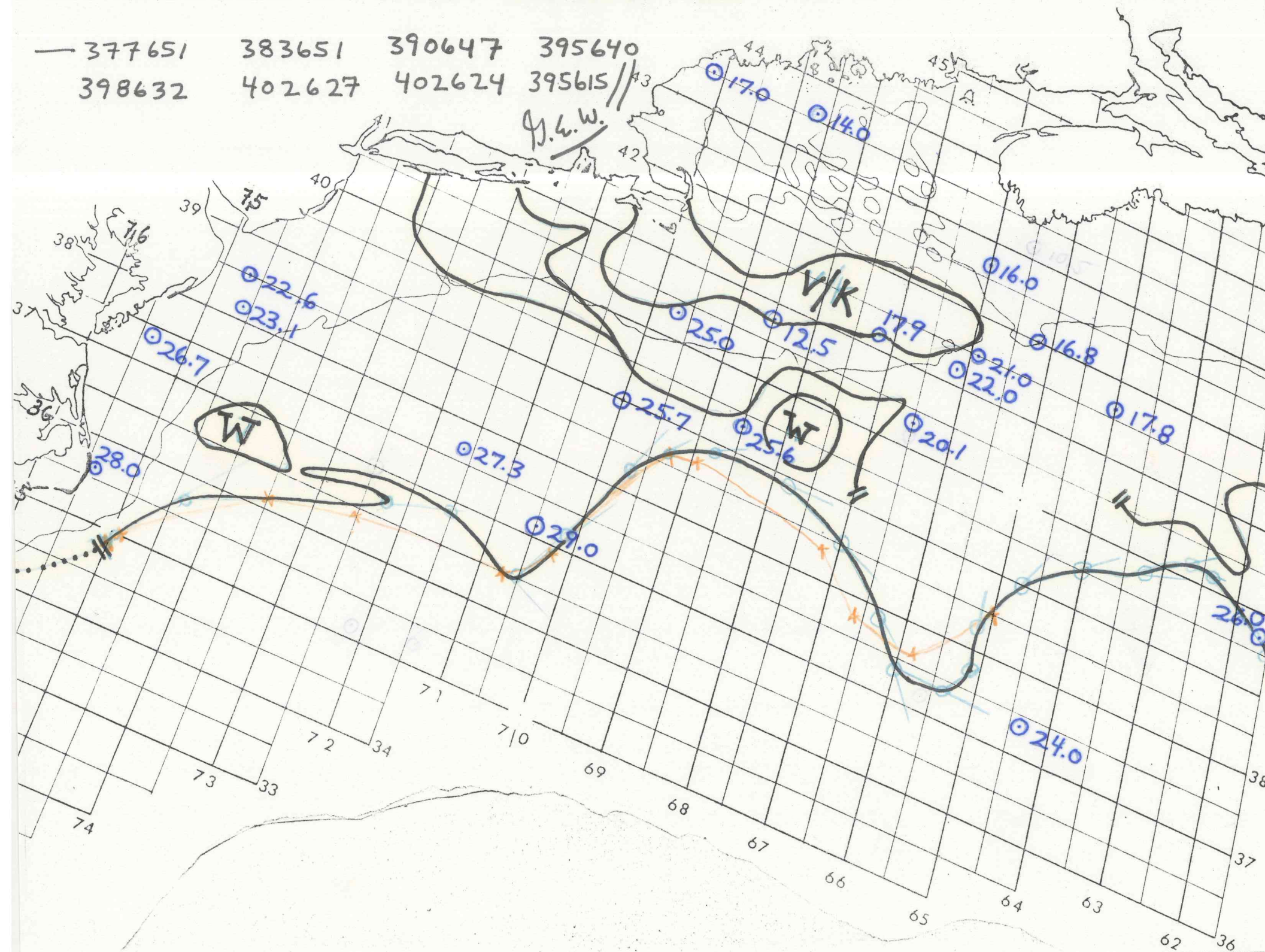
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313795 320785 325777 332769 344755
350750 357744 367724 369715 36
365705 372701 383696 386693 35
389687 389678 385670 34
378663 374660 33
374654 33



MIAMI SFSS ANALYSIS OF THE GULF STREAM: 04 AUG 19 82 PART B

— 377651 383651 390647 395640
398632 402627 402624 395615 //

J.L.W.



PRECIPITATION.

↓ABV

ZCZC MIAGLMMIA

TBXX40 KMIA 041430

MIAMI SFSS OCEANOGRAPHIC ANALYSES...04 AUG 1982

CODED POINTS GIVE LATITUDE/LONGITUDE ALONG THE COASTWARD EDGE
OF THE WARMER WATER OF THE GULF OF MEXICO LOOP CURRENT...
.....NO DISCERNABLE GRADIENTS.....

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

A81/M/M/29. B74/M/M/29. C90/M/M/29. D89/M/M/29. E76/M/M/30.
F70/M/M/30. G55/M/M/30. H28/M/M/30. I34/M/M/30. J20/M/M/30.

K12/M/M/30. L03/M/M/30.

AA70/M/M/29. BB70/M/M/29. CC40/M/M/29. DD36/M/M/29.

EE40/M/M/28. FF77/M/M/28. GG31/M/M/28. HH57/M/M/28.

II21/M/M/28. JJ60/M/M/28.

DATA FOR F THROUGH L AND II THROUGH JJ ARE CURRENT. DATA FOR A
THROUGH E AND AA THROUGH HH ARE THE MEAN...REPEAT MEAN...POSITION
OF THE SHOREWARD EDGE OF THE GULF STREAM FOR THE MONTH OF AUGUST.
THE MEAN POSITION DATA WILL CONTINUE TO BE USED FOR THE GULF STREAM
SHOREWARD EDGE BETWEEN 27N AND 35N AS LONG AS CLOUD COVER CONTINUES
TO PREVENT OBSERVATIONS IN THIS AREA.

WHITE

1982 AUG -4 AM 10:41

GULF STREAM SYSTEM FLOW CHART # 2450

NOAA Miami SFSS

GULF STREAM SYSTEM FLOW CHART # 2450

Date: 06 AUG 19 82

Depicted land should not be used for navigation.

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

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

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

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

(....) Mean position for month.

VK very cold
K cold
M mixed
W warm

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

NEXT UPDATE

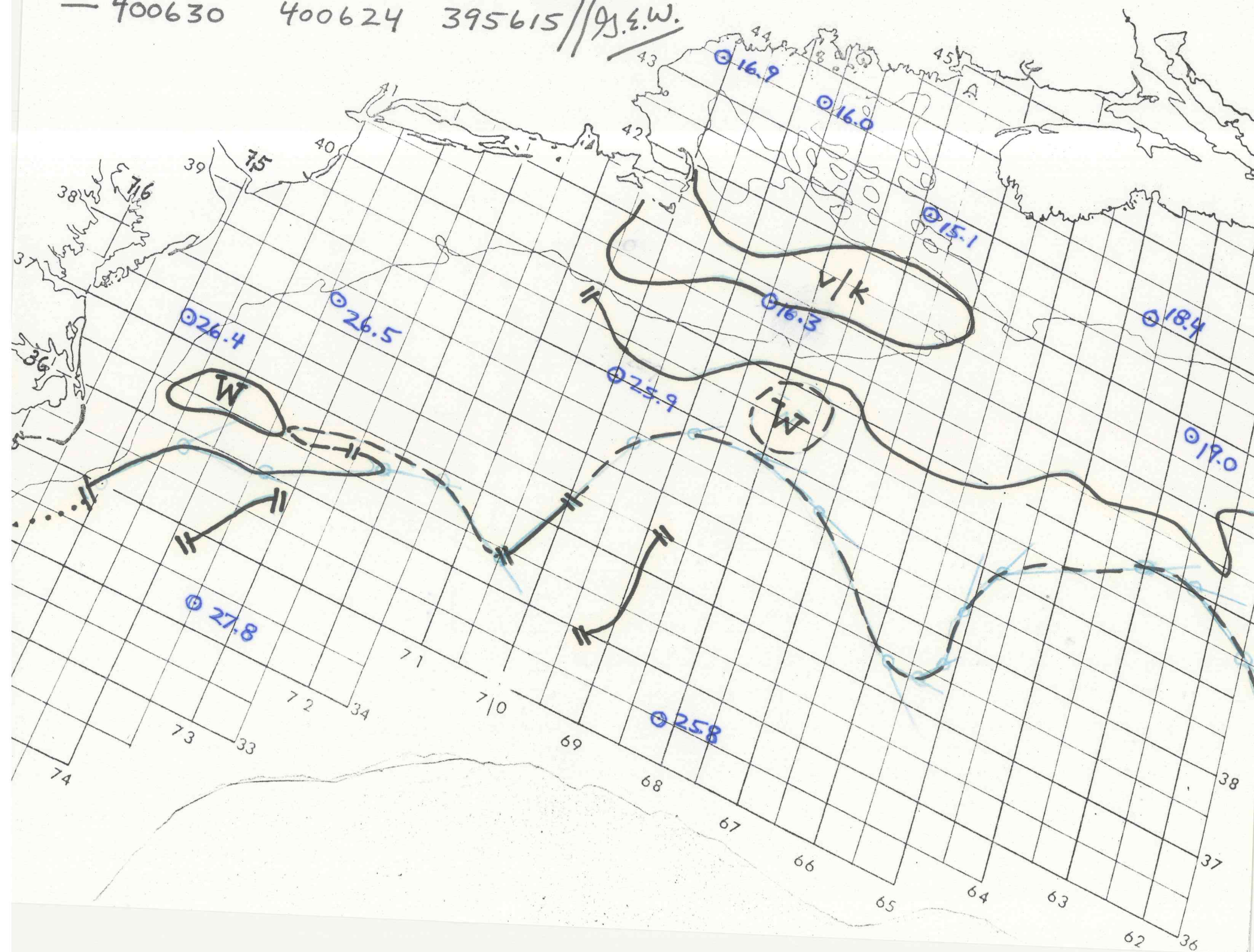
09 AUG 82

270799 285799 300801 304801 313795
320785 325777 332769 344755 350750
358744 360734 367722 368715 36
364705 384695 388689 389680
386671 374658 374654
377652 384651
390648



MIAMI SFSS ANALYSIS OF THE GULF STREAM: 06 AUG 1982 PART B

— 400630 400624 395615 // 95.4.W.



NNNNJJ

V

ZCZC

SXNT1 KWBC 062010

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

27.0/79.9 28.5/79.9 30.0/80.1 30.4/80.1

31.3/79.5 32.0/78.5 32.5/77.7 33.2/76.9

34.4/75.5 35.0/75.0 36.0/74.0 36.8/71.8

36.6/70.6 37.2/70.0 38.3/69.6 38.8/68.4

38.6/67.2 37.4/65.5 37.5/65.3 38.6/65.0

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

COLD EDDIESO NON DISCERNIBLE

WARM EDDIESO 36.7/74.2/35 NMI. DIAM. 39.5/67.7/85 NMI. DIAM 40.7/
61.4/100 NMI. DIAM. 40.5/57.4/70 NMI. DIAM 41.8/
49.0/70 NMI. DIAM.

LATEST SATELLITE DATAO 8/6/82 AT 1200Z

NNNN

↓A

ZCZC WBC866

TBXX40 KMIA 061600

MIAMI SFSS OCEANOGRAPHIC ANALYSES...06 AUG 1982

CODED POINTS GIVE LATITUDE/LONGITUDE ALONG THE COASTWARD EDGE
OF THE WARMER WATER OF THE GULF OF MEXICO LOOP CURRENT...
.....NO DISCERNABLE GRADIENTS.....

...MIAMI SFSS SELECTED GULFSTREAM DATA FOR NOAA WEATHER RADIO...
A81/M/M/29. B74/M/M/29. C90/M/M/29. D89/M/M/29. E76/M/M/30.
F70/M/M/30. G58/M/M/30. H29/M/M/30. I35/M/M/30. J20/M/M/30.
K13/M/M/30. L05/M/M/30.
AA70/M/M/29. BB70/M/M/29. CC40/M/M/29. DD36/M/M/29.
EE40/M/M/28. FF77/M/M/28. GG31/M/M/28. HH57/M/M/28.
II18/M/M/28. JJ56/M/M/28.

DATA FOR F THROUGH L AND II THROUGH JJ ARE CURRENT. DATA FOR A
THROUGH E AND AA THROUGH HH ARE THE MEAN...REPEAT MEAN...POSITION
OF THE SHOREWARD EDGE OF THE GULF STREAM FOR THE MONTH OF AUGUST.
THE MEAN POSITION DATA WILL CONTINUE TO BE USED FOR THE GULF STREAM
SHOREWARD EDGE BETWEEN 27N AND 35N AS LONG AS CLOUD COVER CONTINUES
TO PREVENT OBSERVATIONS IN THIS AREA.
WHITE

GULF STREAM SYSTEM FLOW CHART 2450

NOAA Miami SFSS

Date: 09 AUG 1982

Depicted land should not be used for navigation.

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

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

VK very cold
K cold
M mixed
W warm

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

NEXT UPDATE

11 AUG 82

GULF STREAM SYSTEM FLOW CHART # 2450

270800 285800 300802 305801 310799

314795 325776 340760 346755 350750

356745 359740 362721 368715 368715

364707 365702 387689 391686

387668 381661 382656 35

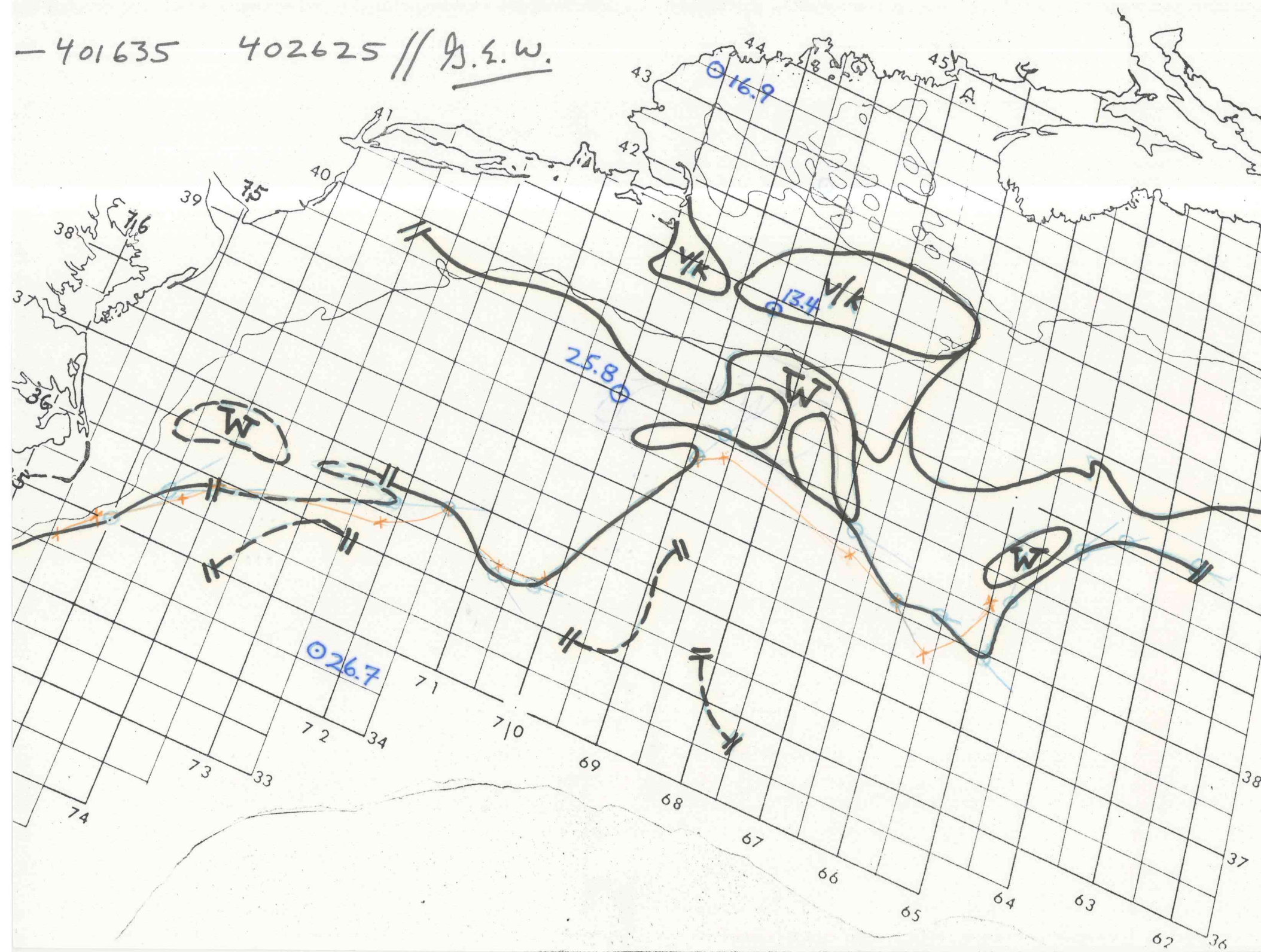
380649 387648

397640 —



MIAMI SFSS ANALYSIS OF THE GULF STREAM: 09 AUG 19 82 PART B

-401635 402625 // S.S.W.



NNNN

1982 AUG -9 PM 12: 49

ZCZC MIAGLMMIA

TBXX40 KMIA 091645

MIAMI SFSS OCEANOGRAPHIC ANALYSES...09 AUG 1982

CODED POINTS GIVE LATITUDE/LONGITUDE ALONG THE COASTWARD EDGE
OF THE WARMER WATER OF THE GULF OF MEXICO LOOP CURRENT...
.....NO DISCERNABLE GRADIENTS.....

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

A66/M/M/29. B73/M/M/29. C80/M/M/29. D85/M/M/29. E76/M/M/30.

F66/M/M/30. G52/M/M/30. H24/M/M/30. I31/M/M/30 J17/M/M/30.

K10/45/M/30. L04/55/M/30.

AA68/M/M/29. BB72/M/M/29. CC40/M/M/29. DD32/M/M/29.

EE41/M/M/28. FF77/M/M/28. GG30/M/M/28. HH44/M/M/28.

II17/M/M/28. JJ55/M/M/28.

DATA FOR A THROUGH L...AA...AND HH THROUGH JJ ARE CURRENT. DATA FOR
BB THROUGH GG ARE BASED ON THE MEAN...REPEAT...MEAN POSITION OF THE
SHOREWARD EDGE OF THE GULFSTREAM FOR THE MONTH OF AUGUST. THE MEAN
POSITION LOCATION OF THE SHOREWARD EDGE OF THE GULFSTREAM WILL
CONTINUE TO BE USED BETWEEN 27N AND 35N WHEREVER PERSISTENT CLOUD
COVER PREVENTS OBSERVATION OF THERMAL FRONTS.
WHITE

NNNN↓↓A
ZCZC WBC 949
SXNT1 KWBC 092051
GULF STREAM LOCATION ↑ THE LINE DESCRIBED BY THE FOLLOWING
SEQUENCE OF POINTS REPRESENTS THE WEST WALL OF THE GULF STREAM.

27.0/80.0 28.5/80.0 30.0/80.1 30.5/80.0
31.0/79.9 31.4/79.6 32.5/77.6 34.0/75.9
34.6/75.4 35.0/75.2 35.6/74.3 35.9/74.0
36.4/72.1 36.8/71.5 36.5/70.7 36.6/70.2
38.7/68.9 38.8/68.6 38.4/66.8 38.1/66.2
37.7/65.6 38.7/65.0

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

COLD EDDIES NONE DISCRNIBLE

WARM EDDIES 36.7/74.2/40 NMI. DIAM.⊙ 39.5/67.7/85 NMI. DIAM.⊙ 40.7/
61.4/100 NMI. DIAM.⊙ 40.5/57.4/170 NMI. DIAM.⊙ 41.8/49.0/
70 NMI. DIAM.

LATEST SATELLITE DATA 8/9/82 AT 1200Z

Date: 11 AUG 1982

Depicted land should not be used for navigation.

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

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

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

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

(....) Mean position for month.

VK very cold
K cold
M mixed
W warm

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

NEXT UPDATE

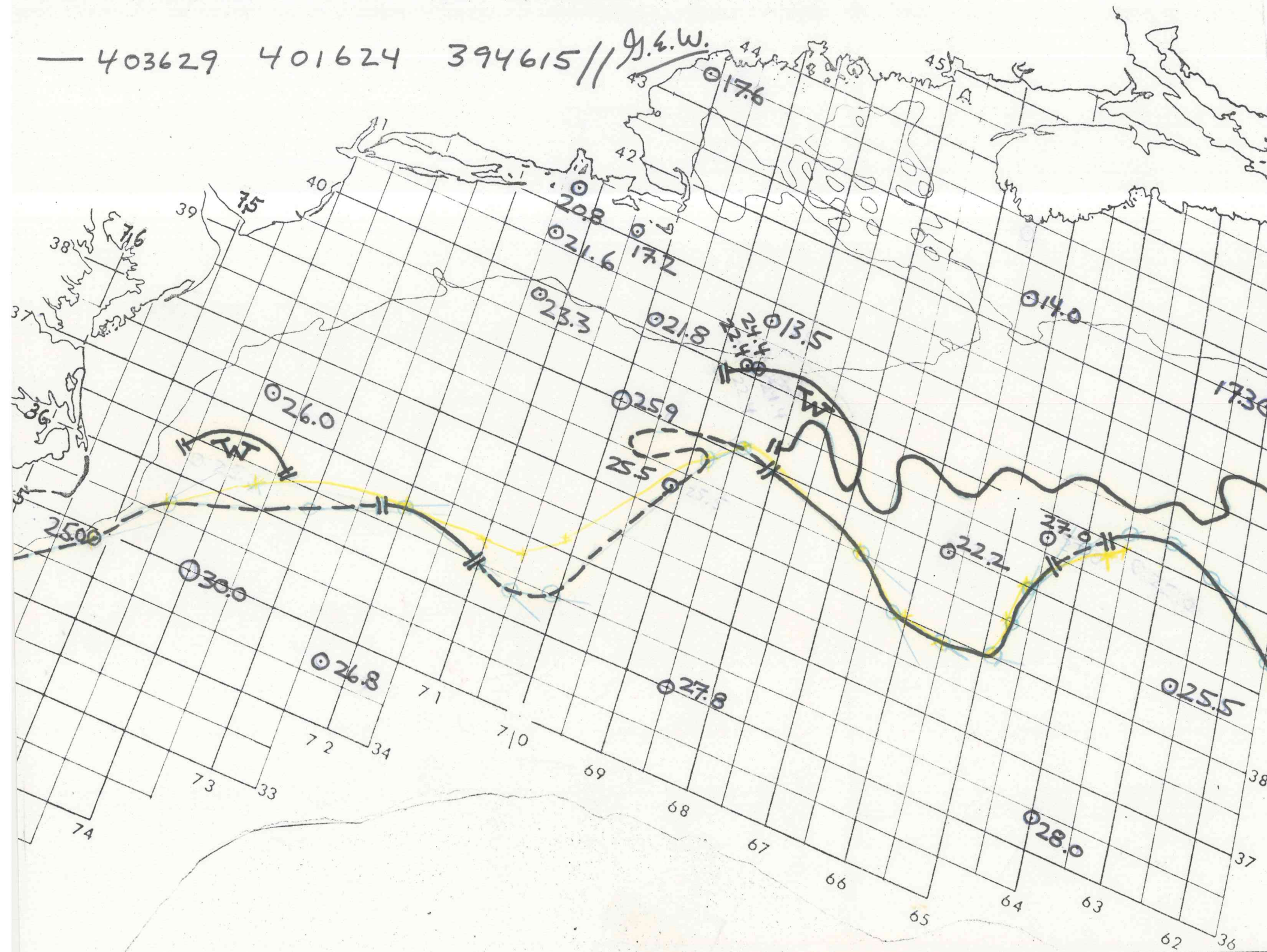
13 AUG 82

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323779 340761 349751 356745 363730
367720 365710 364705 365701 363730
388688 391684 385667 380662
379655 380649 385647
390646 398640
402635



MIAMI SFSS ANALYSIS OF THE GULF STREAM: 11 AUG. 19 82 PART B

— 403629 401624 394615 // J.L.W.



NNNN

ZCZC WBC828

TBXX40 NMIA 111545

MIAMI SFSS OCEANOGRAPHIC ANALYSES...11 AUG 1982

CODED POINTS GIVE LATITUDE/LONGITUDE ALONG THE COASTWARD EDGE
OF THE WARMER WATER OF THE GULF OF MEXICO LOOP CURRENT...

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

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

A78/M/M/29. B70/M/M/29. C86/M/M/29. D85/M/M/29. E75/M/M/30.

F65/M/M/30. G51/M/M/30. H23/M/M/30. I30/M/M/30 J15/M/M/30.

K09/45/M/30. L03/55/M/30.

AA68/M/M/29. BB72/M/M/29. CC40/M/M/29. DD32/M/M/29.

EE41/M/M/28. FF77/M/M/28. GG30/M/M/28. HH44/M/M/28.

II17/M/M/28. JJ55/M/M/28.

DATA FOR B AND D THROUGH L ARE CURRENT. DATA FOR GG THROUGH JJ ARE
FROM ANALYSIS OF 09 AUG. DATA FOR A..C..AND AA THROUGH FF ARE BASED
ON THE MEAN...REPEAT MEAN...POSITION OF THE SHOREWARD EDGE OF THE
GULF STREAM FOR THE MONTH OF AUGUST. MEAN POSITION LOCATION OF THE
SHOREWARD EDGE OF THE GULFSTREAM WILL CONTINUE TO BE USED BETWEEN
27N AND 35N WHEREVER PERSISTENT CLOUD COVER PREVENTS OBSERVATION OF
THERMAL FRONTS.

WHITE

NNNN

ZCZC WRC054

CYNT1 KWRC 112115

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

27.0/88.0 28.6/80.0 30.0/80.2 30.5/80.1
31.5/79.4 32.8/77.9 34.0/76.0 34.9/75.1
35.6/74.5 36.3/73.7 36.7/72.0 36.7/71.0
36.8/70.5 37.2/70.1 38.7/68.8 39.1/68.4
39.5/66.7 39.8/66.0 37.9/65.5 38.0/64.9
38.5/64.8 39.0/64.7 39.8/63.7 40.0/63.5

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

COLD EDDIES NONE DISCERNIBLE

WARM EDDIES 36.7/74.2/40 NMI. DIAM. 39.5/64.7/80 NMI. DIAM.
40.7/61.4/100 NMI. DIAM. 40.5/57.4/65 NMI. DIAM.

LATEST SATELLITE DATA 8/11/82 AT 1200Z

Date: **13 AUG** 19**82**

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

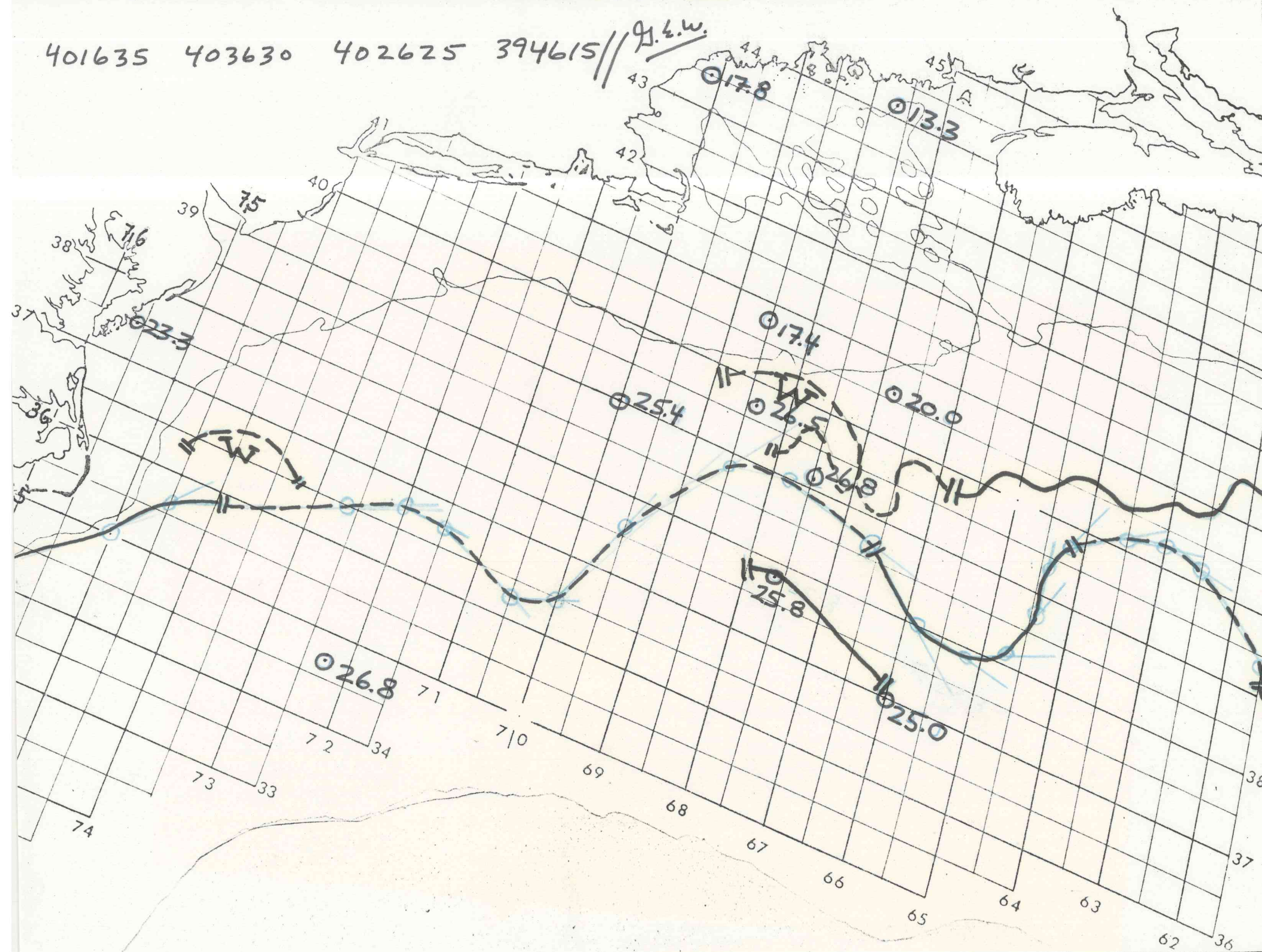
16 AUG 82

270800 289800 300802 307800 315793
325777 341760 350751 356745 365726
368720 367715 363705 365700 36
376695 389685 390678 386666
380659 379652 382647
387645 394644
397642 —



MIAMI SFSS ANALYSIS OF THE GULF STREAM: **13 AUG** 19**82** PART B

401635 403630 402625 394615 // *g.l.w.*



NNNN

ZCZC WBC541
TBXX 40 KMIA 131615
MIAMI SFSS OCEANOGRAPHIC ANALYSES...13 AUG 1982

CODED POINTS GIVE LATITUDE/LONGITUDE ALONG THE COASTWARD EDGE
OF THE WARMER WATER OF THE GULF OF MEXICO LOOP CURRENT...
.....NO DISCERNABLE GRADIENTS.....

...MIAMI SFSS SELECTED GULFSTREAM DATA FOR NOAA WEATHER RADIO...
A78/M/M/29. B70/M/M/29. C87/M/M/29. D83/M/M/29. E76/M/M/30.
F66/M/M/30. G54/M/M/30. H25/M/M/30. I29/M/M/30 J15/M/M/30.
K09/45/M/30. L03/55/M/30.
AA68/M/M/29. BB72/M/M/29. CC40/M/M/29. DD32/M/M/29.
EE41/M/M/28. FF77/M/M/28. GG30/M/M/28. HH45/M/M/28.
II15/M/M/28. JJ56/M/M/28.

DATA FOR B..D THROUGH G..AND HH THROUGH JJ ARE CURRENT. DATA FOR H
THROUGH L ARE FROM ANALYSIS OF 11 AUG. DATA FOR A..C..AND AA
THROUGH GG ARE BASED ON THE MEAN...REPEAT MEAN...POSITION OF THE
SHOREWARD EDGE OF THE GULF STREAM FOR THE MONTH OF AUGUST. MEAN
POSITION LOCATION OF THE SHOREWARD EDGE OF THE GULF STREAM WILL
CONTINUE TO BE USED BETWEEN 27N AND 35N WHEREVER PERSISTENT CLOUD
CLOUD COVER PREVENTS OBSERVATION OF THERMAL FRONTS.
WHITE

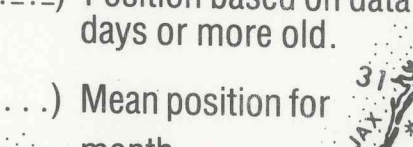
GULF STREAM SYSTEM FLOW CHART # 2450

NOAA Miami SFSS

Date: 16 AUG 1982

Depicted land should not be used for navigation.

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

- (—) Position based on data 0 to 2 days old.
- (---) Position based on data 3 to 7 days old.
- (-----) Position based on data 8 days or more old.
- (....) Mean position for month.
- 
- A map of the Gulf of Mexico and surrounding landmasses (North America, Central America, and the Caribbean). The map displays several hurricane tracks, each represented by a line with markers indicating the storm's position at different times. The tracks are labeled with numbers: 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100. The tracks show varying degrees of intensity, with some reaching higher categories (indicated by more stars) than others. The map also shows the coastline of the Gulf of Mexico and the surrounding landmasses.

VK very cold
K cold
M mixed
W warm

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

NEXT UPDATE

18 AUG 82

GULF STREAM SYSTEM FLOW CHART # 2450

270800 290800 302801 309799 316792

324778 343758 347755 354744 359738

370718 366711 367707 382696 36

385690 386685 393670 383662 AT

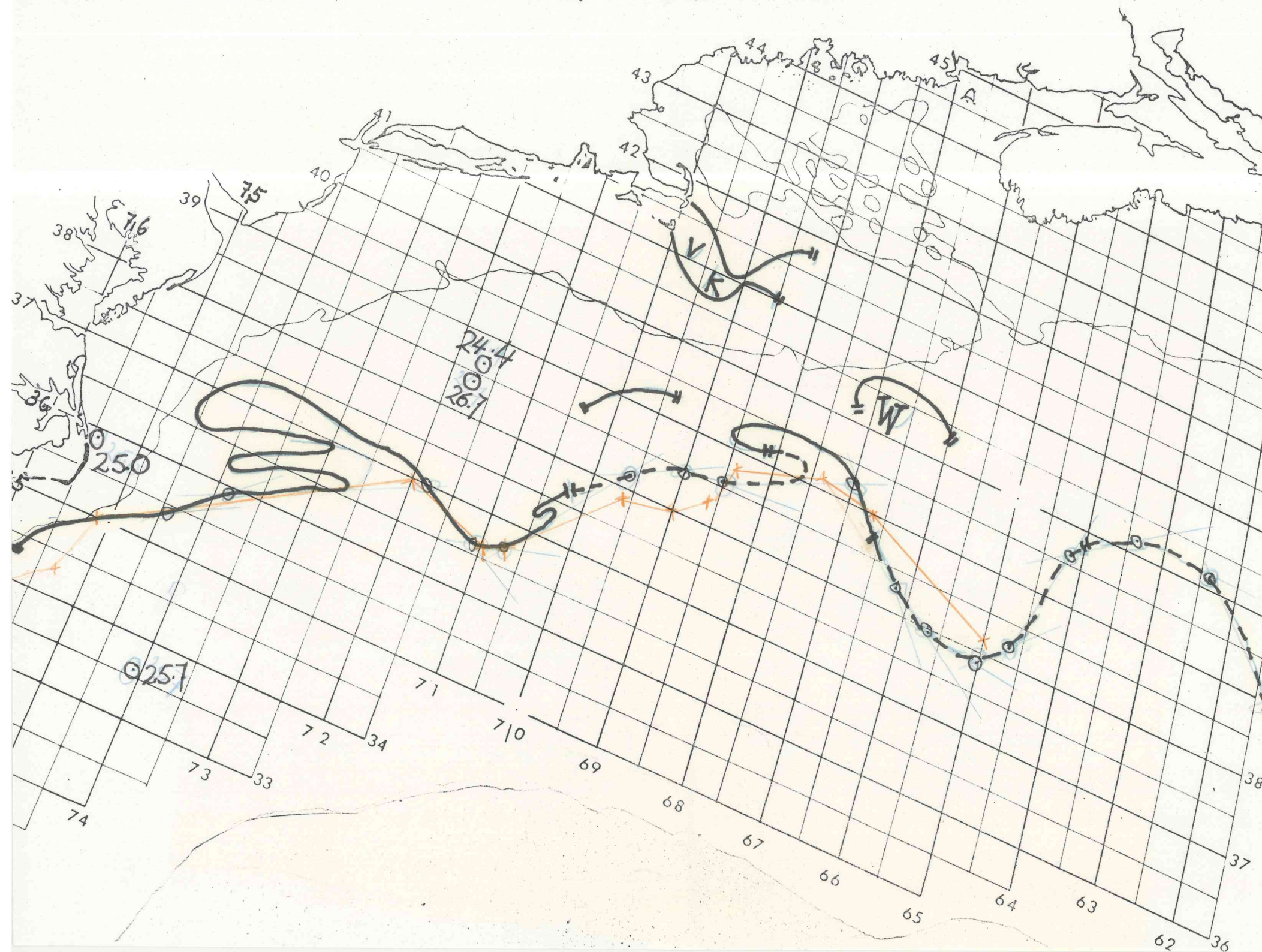
380657 379650 382647 35

396642 402634

402624//SRP



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



NNNN#A
ZCZC WBC987
SXNT1 KWBC 161930
GULF STREAM LOCATION ↑ THE LINE DESCRIBED BY THE FOLLOWING
SEQUENCE OF POINTS REPRESENTS THE WEST WALL OF THE GULF STREAM.

27.0/79.9	29.0/80.0	30.2/80.1	30.9/79.8
31.6/79.2	32.4/77.8	32.7/77.1	34.1/75.8
34.3/75.3	35.0/75.2	37.0/72.0	36.6/71.0
36.7/70.7	37.9/69.6	38.0/69.0	38.3/68.7
38.8/68.4	39.1/67.4	39.0/66.7	38.2/65.0

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

COLD EDDIES.. NONE DISCERNIBLE
WARM EDDIES.. NONE DISCERNIBLE

LATEST SATELLITE DATA.. 8/16/82 1200Z

1982 AUG 16 AM 11:46

ZCZC MIAGLMMIA
TBXX40 KMIA 161545
MIAMI SFSS OCEANOGRAPHIC ANALYSES...16 AUG 1982

CODED POINTS GIVE LATITUDE/LONGITUDE ALONG THE COASTWARD EDGE
OF THE WARMER WATER OF THE GULF OF MEXICO LOOP CURRENT...
.....NO DISCERNABLE GRADIENTS.....

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

A78/M/M/29. B71/M/M/29. C87/M/M/29. D85/M/M/29. E74/M/M/30.

F65/M/M/30. G56/M/M/30. H25/M/M/30. I29/M/M/30 J15/M/M/30.

K09/45/M/30. L03/55/M/30.

AA68/M/M/29. BB72/M/M/29. CC40/M/M/29. DD32/M/M/29.

EE41/M/M/28. FF77/M/M/28. GG30/M/M/28. HH38/M/M/28.

II11/M/M/28. JJ55/M/M/28.

DATA FOR E THROUGH G..AND HH THROUGH JJ ARE CURRENT. DATA FOR B
AND D ARE FROM 13 AUG. DATA FOR H THROUGH L ARE FROM ANALYSIS OF
11 AUG. DATA FOR A..C..AND AA THROUGH GG ARE BASED ON THE MEAN...
REPEAT MEAN...POSITION OF THE SHOREWARD EDGE OF THE GULF STREAM
FOR THE MONTH OF AUGUST. MEAN POSITION LOCATION OF THE SHOREWARD
EDGE OF THE GULF STREAM WILL CONTINUE TO BE USED BETWEEN 27N AND
35N WHEREVER ATMOSPHERIC CONDITIONS PREVENT OBSERVATION OF THERMAL
FRONTS.

BAIGWHITE

Date: **18 AUG 1982**

Depicted land should not be used for navigation.

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

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

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

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

(....) Mean position for month.

VK very cold
K cold
M mixed
W warm

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

NEXT UPDATE

20 AUG 82

270800 290800 300802 304802 310798

317790 325777 331770 340762 356745

369725 371715 368704 373699 36

380694 382688 390678 390670

391665 378652 378646

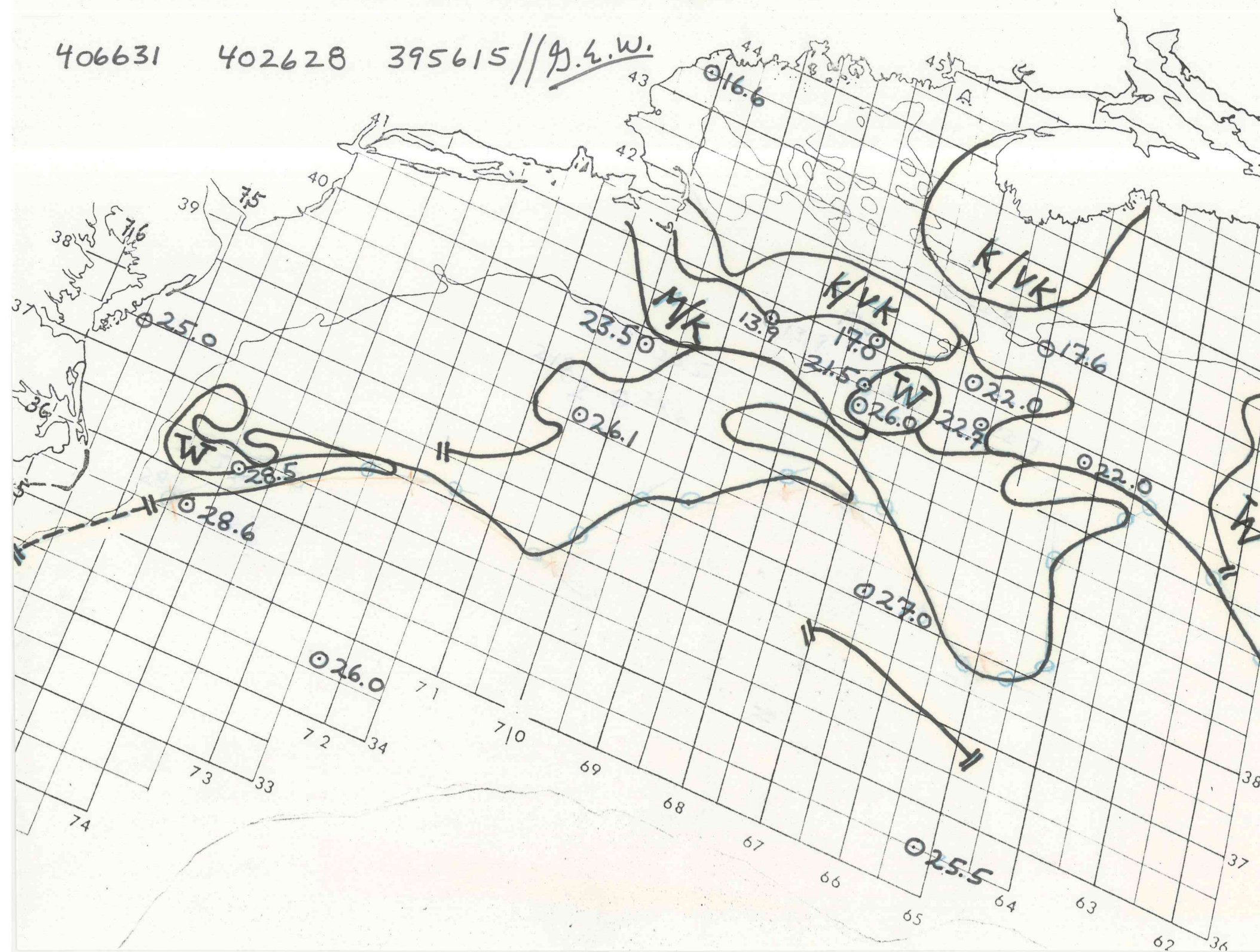
382642 395643

404635 —



MIAMI SFSS ANALYSIS OF THE GULF STREAM: 18 AUG 1982 PART B

406631 402628 395615 // A.L.W.



NNNN

1982 AUG 18 AM 10:55

ZCZC MIAGLMMIA
TBXX40 KMIA 181445

MIAMI SFSS OCEANOGRAPHIC ANALYSES...18 AUG 1982

CODED POINTS GIVE LATITUDE/LONGITUDE ALONG THE COASTWARD EDGE
OF THE WARMER WATER OF THE GULF OF MEXICO LOOP CURRENT...
.....NO DISCERNABLE GRADIENTS.....

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

A78/M/M/29. B71/M/M/29. C87/M/M/29. D85/M/M/29. E74/M/M/30.
F65/M/M/30. G56/M/M/30. H25/M/M/30. I29/M/M/30. J15/M/M/30.

K09/45/M/30. L03/55/M/30.
AA68/M/M/29. BB72/M/M/29. CC40/M/M/29. DD32/M/M/29.
EE41/M/M/28. FF77/M/M/28. GG30/M/M/28. HH38/M/M/28.

DATA FOR E THROUGH G AND HH THROUGH JJ ARE BASED ON ANALYSIS OF 16
AUG. DATA FOR H THROUGH L ARE FROM ANALYSIS OF 11 AUG. DATA FOR
A THROUGH D AND AA THROUGH GG ARE BASED ON THE MEAN...REPEAT...
MEAN POSITION OF THE SHOREWARD EDGE OF THE GULF STREAM FOR THE
MONTH OF AUGUST. MEAN POSITION LOCATION OF THE SHOREWARD EDGE OF
THE GULF STREAM WILL CONTINUE TO BE USED BETWEEN 27N AND 35N WHERE
EVER ATMOSPHERIC CONDITIONS PREVENT OBSERVATION OF THERMAL FRONTS.

BAIG/WHITE

NNNN↓

V

ZCZC

SXNT1 KWBC 182010

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

27.0/80.0 29.0/80.0 30.0/80.2 30.4/80.2

31.0/79.8 31.7/79.0 32.5/77.7 33.1/77.0

34.0/76.2 35.6/74.5 36.9/72.5 37.1/71.5

36.8/70.4 37.3/69.9 38.0/69.4 38.2/68.8

39.0/67.8 39.0/67.0 39.1/66.5 37.7/65.0

THE MAXIMUM GULF STREAM CURRENT LIES 10±15 MILES SEAWARD OF THIS LINE.

LATEST SATELLITE DATA 8/18/82 AT 1200Z

WARM EDDIES 38.7/70.4/40 NMI. DIAM. 40.5/66.7/60 NMI. DIAM.
40.5/60.8/75 NMI. DIAM.

COLD EDDIES NONE DISCERNIBLE

GULF STREAM SYSTEM FLOW CHART # 2450

NOAA Miami SFSS

GULF STREAM SYSTEM FLOW CHART # 2450

Date: 20 AUG 1982

Depicted land should not be used for navigation.

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

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

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

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

(....) Mean position for month.

VK very cold
K cold
M mixed
W warm

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

NEXT UPDATE

23 AUG 82

270800 290800 300802 304802 310798

317790 325777 331770 340726 356745

369725 371716 368702 378693 36

388679 390672 387661 379653

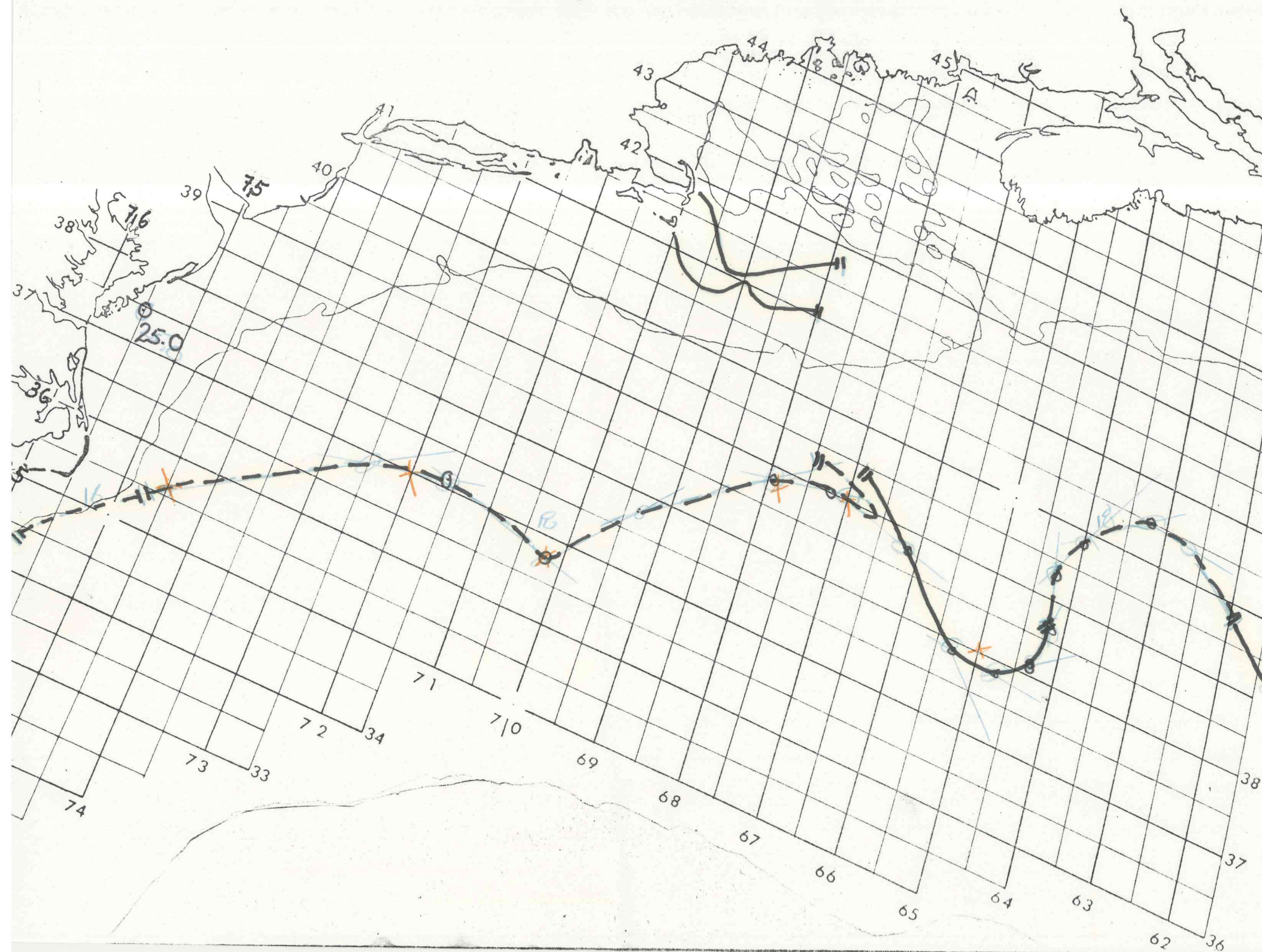
379647 382644 387642

394643 399640

405632 1184



MIAMI SFSS ANALYSIS OF THE GULF STREAM: 20 AUG 1982 PART B



Date: **23 AUG** 19**82**

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 AUG 82

270800 290800 300802 304802 310798

317790 325777 331770 340762 345758

364737 369720 370715 375706 380690

371690 370685 375679 383687

385686 389680 390670

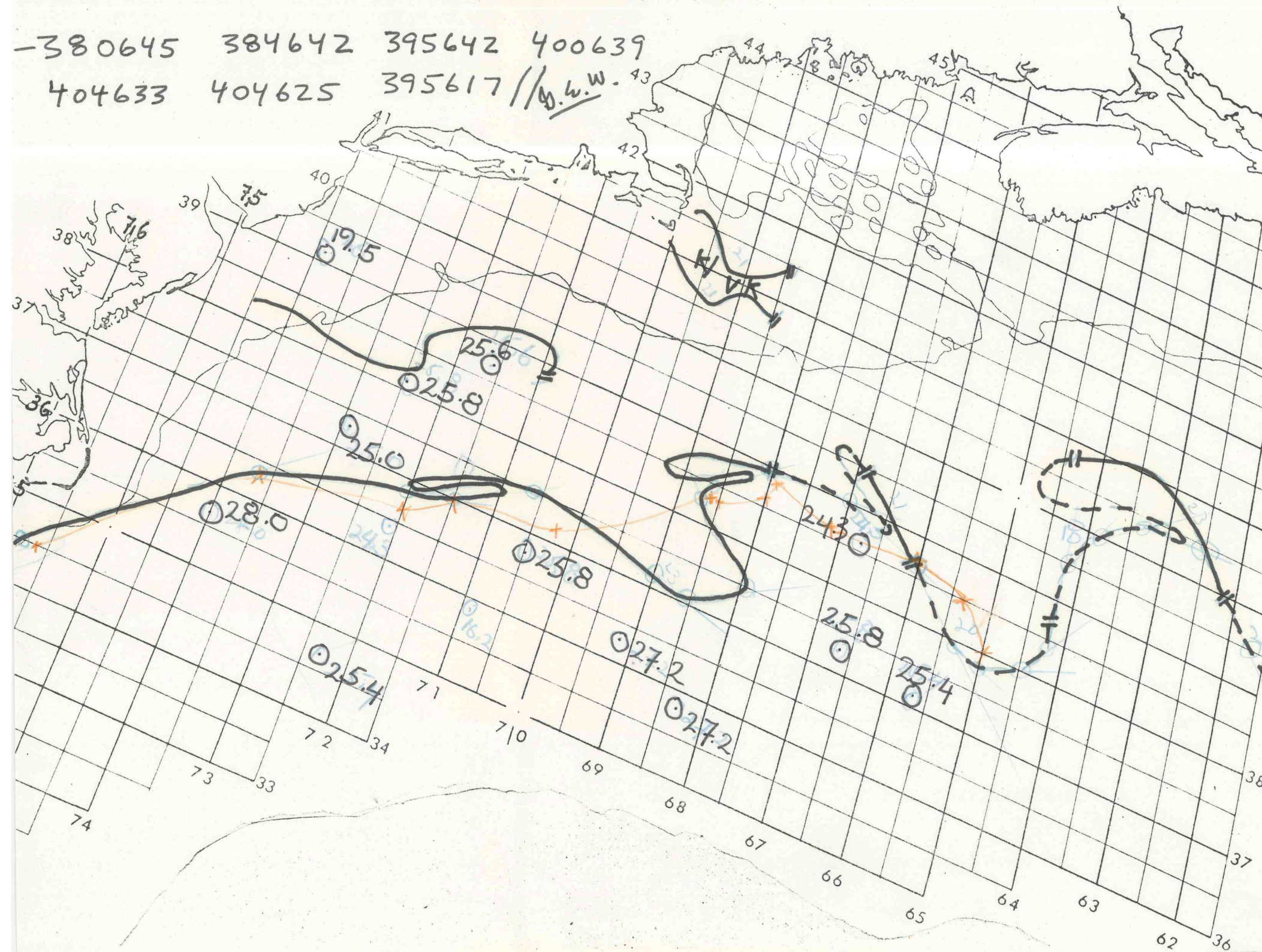
387660 379654

378650



MIAMI SFSS ANALYSIS OF THE GULF STREAM: 23 AUG 19 82 PART B

-380645 384642 395642 400639
404633 404625 395617 // W.W. 43



WNNN↓

ZCZC

SXNT1 KWBC 232030

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

27.0/80.0	29.0/80.0	30.0/80.1	30.4/80.0
31.0/79.8	31.7/79.0	32.5/77.4	33.1/77.0
34.0/76.1	34.5/75.6	36.4/73.7	36.7/72.0
37.0/71.5	34.3/70.6	37.2/70.2	38.3/68.6
38.3/68.5	38.6/68.0	38.9/67.9	38.6/67.1
38.7/67.0	38.7/66.0	38.5/65.4	38.0/65.0

THE MAXIMUM GULF STREAM CURRENT LIES 10-15 MILES SEAWARD OF THIS LINE.
WARM EDDIES 38.4/70.4/55 NMI. DIAM. 40.4/66.7/75 NMI. DIAM.
40.5/60.8/90 NMI. DIAM.

COLD EDDIES NONE DISCERNIBLE
LATEST SATELLITE DATA 8/23/82 AT 1200Z

NNNN↓↓

1982 AUG 23 PM 2:48

ZCZC MIAGLMMIA

TBXX40 KMIA 231830

MIAMI SFSS OCEANOGRAPHIC ANALYSES...23 AUG 1982

CODED POINTS GIVE LATITUDE/LONGITUDE ALONG THE COASTWARD EDGE
OF THE WARMER WATER OF THE GULF OF MEXICO LOOP CURRENT...

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

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

A78/M/M/29. B71/M/M/29. C87/M/M/29. D85/M/M/29. E74/M/M/30.

F65/M/M/30. G56/M/M/30. H25/M/M/30. I29/M/M/30. J15/M/M/30.

K09/45/M/30. L03/55/M/30.

AA68/M/M/29. BB72/M/M/29. CC40/M/M/29. DD32/M/M/29.

EE41/M/M/28. FF77/M/M/28. GG30/M/M/28. HH36/M/M/28.

II09/M/M/28. JJ47/M/M/28.

DATA FOR E THRU G BASED ON ANALYSIS OF 16 AUG. DATA FOR H THROUGH
L ARE FROM ANALYSIS OF 11 AUG. DATA FOR A THROUGH D AND FOR AA THRU
GG ARE BASED ON THE MEAN...REPEAT...MEAN POSITION OF THE GULFSTREAM
FOR THE MONTH OF AUGUST. MEAN POSITION LOCATION OF THE SHOREWARD
EDGE OF THE GULFSTREAM WILL CONTINUE TO BE USED BETWEEN 27N AND 35N
WHEREVER PERSISTENT CLOUD COVER PREVENTS OBSERVATION OF THERMAL
FRONTS.

DATA FOR HH THROUGH JJ ARE CURRENT.

WHITE/BAIG

Date: 25 AUG 19 82

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 AUG 82

270800 290800 298803 302802 311796

317786 320784 326775 333768 340760

347755 363737 367725 368718 361718

375706 374698 370687 372682

375680 380685 383687

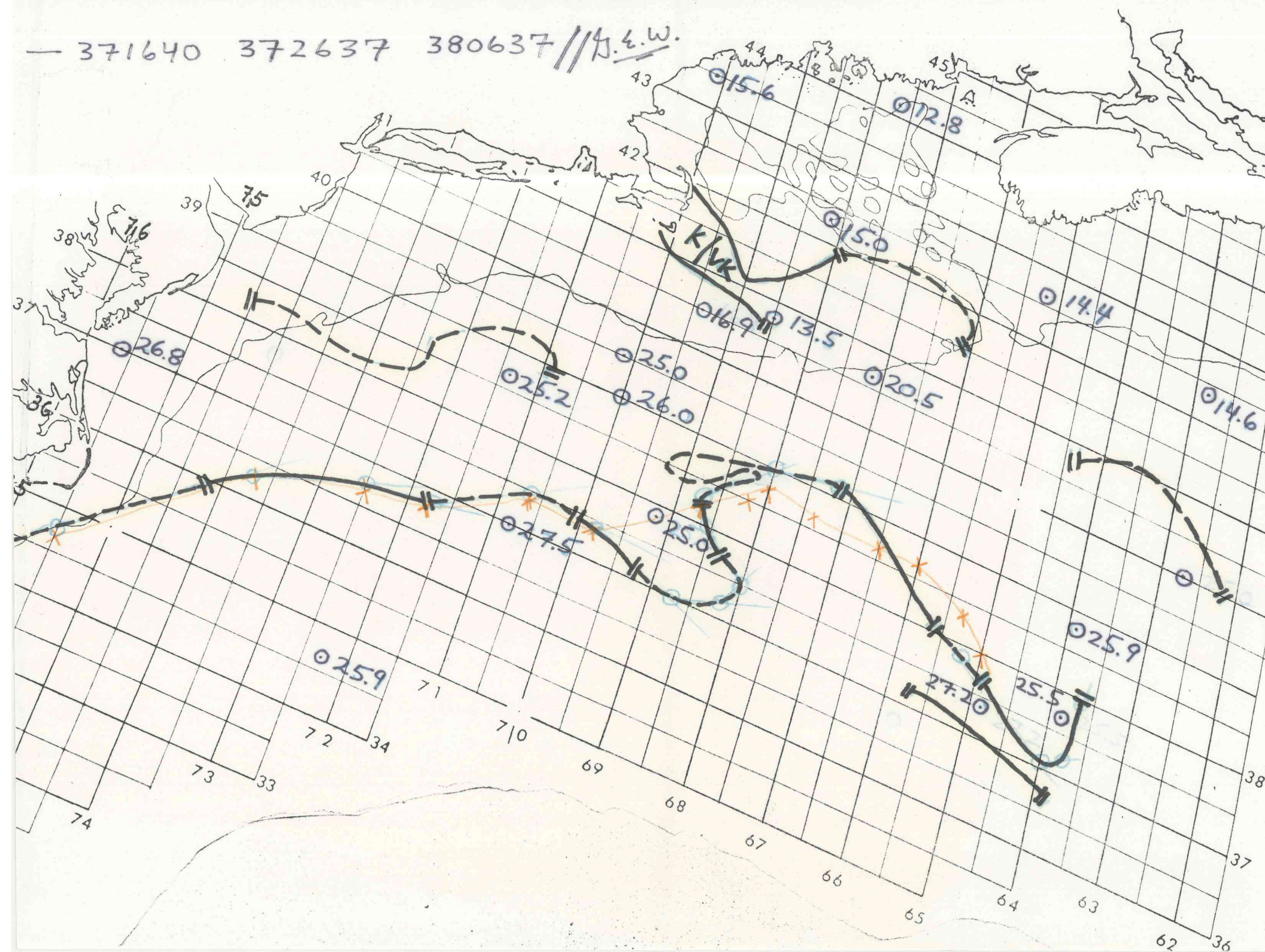
390680 391671

378652



MIAMI SFSS ANALYSIS OF THE GULF STREAM: 25 AUG 1982 PART B

— 371640 372637 380637 // N.E.W.



V
ZCZC MIAGLMMIA
TBXX40 KMIA 251645

MIAMI SFSS OCEANOGRAPHIC ANALYSES...25 AUG 1982

1982 AUG 25 PM 1:03

CODED POINTS GIVE LATITUDE/LONGITUDE ALONG THE COASTWARD EDGE
OF THE WARMER WATER OF THE GULF OF MEXICO LOOP CURRENT...
.....NO DISCERNABLE GRADIENTS.....

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

A84/M/M/29. B80/M/M/29. C90/M/M/29. D94/M/M/29. E84/M/M/30.
F60/M/M/30. G59/M/M/30. H27/M/M/30. I31/M/M/30 J16/M/M/30.
K09/45/M/30.

AA78/M/M/29. BB84/M/M/29. CC42/M/M/29. DD34/M/M/29.
EE38/M/M/28. FF73/M/M/28. GG30/M/M/28. HH36/M/M/28.
II10/M/M/28. JJ50/M/M/28.

DATA FOR A THROUGH K...AA AND BB ARE CURRENT. DATA FOR CC THROUGH
GG ARE BASED ON THE MEAN...REPEAT...MEAN POSITION OF THE SHOREWARD
EDGE OF THE GULFSTREAM FOR THE MONTH OF AUGUST. MEAN POSITION
LOCATION OF THE SHOREWARD EDGE OF THE GULFSTREAM WILL CONTINUE TO
BE USED BETWEEN 27N AND 35N WHEREVER PERSISTENT CLOUD COVER
PREVENTS OBSERVATION OF THERMAL FRONTS. DATA FOR HH THROUGH JJ
ARE FROM ANALYSIS OF 23 AUG 82. A MEANDER IS OBSERVED ALONG THE
SHOREWARD EDGE OF THE GULFSTREAM BETWEEN AA AND BB WITH AN INSIDE
FRONT LOCATED 70 NM SE OF BB.

WHITE

NNNNJA

ZCZC WBC340

SXMTJ KWRC 252030

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

27.0/80.0	29.0/80.0	29.8/80.2	30.2/80.2
31.1/80.1	32.3/78.6	32.3/79.4	32.6/77.5
33.3/76.9	34.3/76.0	34.7/75.5	36.3/73.7
36.7/72.5	36.8/71.8	37.4/70.6	37.4/69.8
38.2/68.7	38.5/68.2	38.7/68.0	38.6/67.4
38.6/66.5	38.7/66.0	38.8/65.3	38.0/65.0

THE MAXIMUM GULF STREAM CURRENT LIES 10 + 15 MILES SEAWARD OF THIS LINE.

WARM EDDIES 40.4/66.8/70 NMI. DIAM.

COLD EDDIES NONE DISCERNIBLE

LATEST SATELLITE DATA 8/25/82 AT 1200Z

*
DIE
CD

PARCEL

GULF STREAM SYSTEM FLOW CHART # 2450

NOAA Miami SFSS

Date: 27 AUG 19 82

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

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

NEXT UPDATE
30 AUG 82

GULF STREAM SYSTEM FLOW CHART # 2450

270800 290800 298803 302802 311796

318784 320784 326775 333768 340760

347755 362738 366730 369720 36

374711 376707 375695 378686

387680 387670 372640

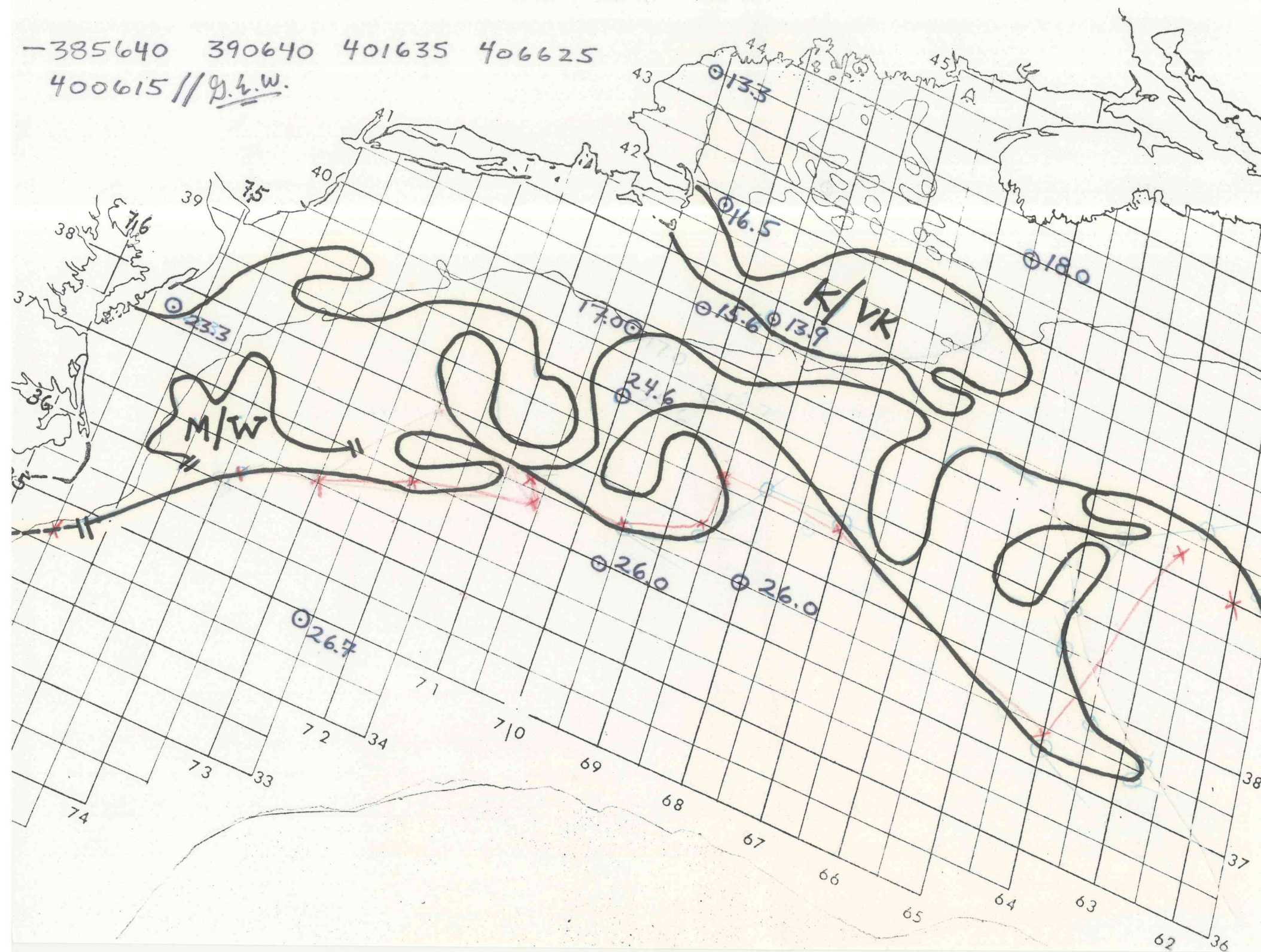
374628 376628

378635



MIAMI SFSS ANALYSIS OF THE GULF STREAM: **27 AUG** 19**82** PART B

-385640 390640 401635 406625
400615 // g.l.w.



ZCZC MIAGLMMIA
TBXX40 KMIA 271515
MIAMI SFSS OCEANOGRAPHIC ANALYSES...27 AUG 1982

CODED POINTS GIVE LATITUDE/LONGITUDE ALONG THE COASTWARD EDGE
OF THE WARMER WATER OF THE GULF OF MEXICO LOOP CURRENT...
.....NO DISCERNABLE GRADIENTS.....

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

A84/M/M/29. B80/M/M/29. C90/M/M/29. D94/M/M/29. E84/M/M/30.
F60/M/M/30. G59/M/M/30. H27/M/M/30. I31/M/M/30 J16/M/M/30.
K09/45/M/30.

AA78/M/M/29. BB84/M/M/29. CC42/M/M/29. DD34/M/M/29.
EE38/M/M/28. FF73/M/M/28. GG30/M/M/28. HH36/M/M/28.
II15/M/M/28. JJ56/M/M/28.

DATA FOR A THROUGH K...AA AND BB ARE FROM ANALYSIS OF 25 AUG 82.
DATA FOR CC THROUGH GG ARE BASED ON THE MEAN...REPEAT MEAN...
POSITION OF THE SHOREWARD EDGE OF THE GULF STREAM FOR THE MONTH
OF AUGUST. MEAN POSITION LOCATION OF THE SHOREWARD EDGE OF THE
GULF STREAM WILL CONTINUE TO BE USED BETWEEN 27N AND 35N WHEREVER
PERSISTENT ATMOSPHERIC MOISTURE PREVENTS OBSERVATION OF THERMAL
FRONTS. DATA FOR HH IS FROM ANALYSIS OF 23 AUG 82. DATA FOR II
AND JJ ARE CURRENT. A MEANDER IS LOCATED ALONG THE SHOREWARD
EDGE OF THE GULF STREAM BETWEEN AA AND BB BASED ON ANALYSIS OF 25
AUG WITH AN INSIDE FRONT 70 NM SE OF BB.

WHITE/BAIG

NNNN

1982 AUG 27 AM 11:57

NNNN

SDU

ZCZC URGENT

SXNT: URGENT 270050

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

27.0/80.0	29.0/80.0	29.8/80.2	30.2/80.2
31.1/79.7	31.9/78.4	32.0/78.0	32.6/77.5
33.7/76.8	34.0/76.4	34.7/75.5	36.2/73.8
36.5/73.0	37.3/72.0	37.4/70.6	37.6/70.7
37.6/69.5	38.2/68.6	38.7/68.0	38.6/67.0
39.9/64.0	40.3/62.8	40.0/62.0	

THE MAXIMUM GULF STREAM CURRENT LINES 10+15 MILES SEAWARD OF THIS LINE

WARM EDDIES 40.5/66.7/70 NMI. DIAM.

COLD EDDIES NONE DISCERNIBLE.

LATEST SATELLITE DATA 3/27/82 AT 1200Z

NNNNJ

V

ZCZC

SXNT1 KWBC 301515 COR

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

27.0/80.0	29.0/80.0	29.8/80.2	30.2/80.2
31.1/79.7	31.8/78.4	32.0/78.0	32.6/77.5
33.7/76.8	34.0/76.4	34.7/75.5	36.2/73.8
36.5/73.0	36.7/72.0	37.4/70.6	37.6/70.7
37.6/69.5	38.0/68.6	38.7/68.0	38.6/67.0
37.9/64.0	40.3/62.8	40.0/62.0	

THE MAXIMUM GULF STREAM CURRENT LIES 10 ↑15 MILES SEAWARD OF
THIS LINE.

WARM EDDIES.. 40.5/66.7/70 NMI. DIAM.

COLD EDDIES.. NONE DISCERNIBLE.

LATEST SATELLITE DATA.. 8/27/82 1200Z

Date: 30 Aug 1982

Depicted land should not be used for navigation.

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

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

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

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

(....) Mean position for month.

VK very cold
K cold
M mixed
W warm

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

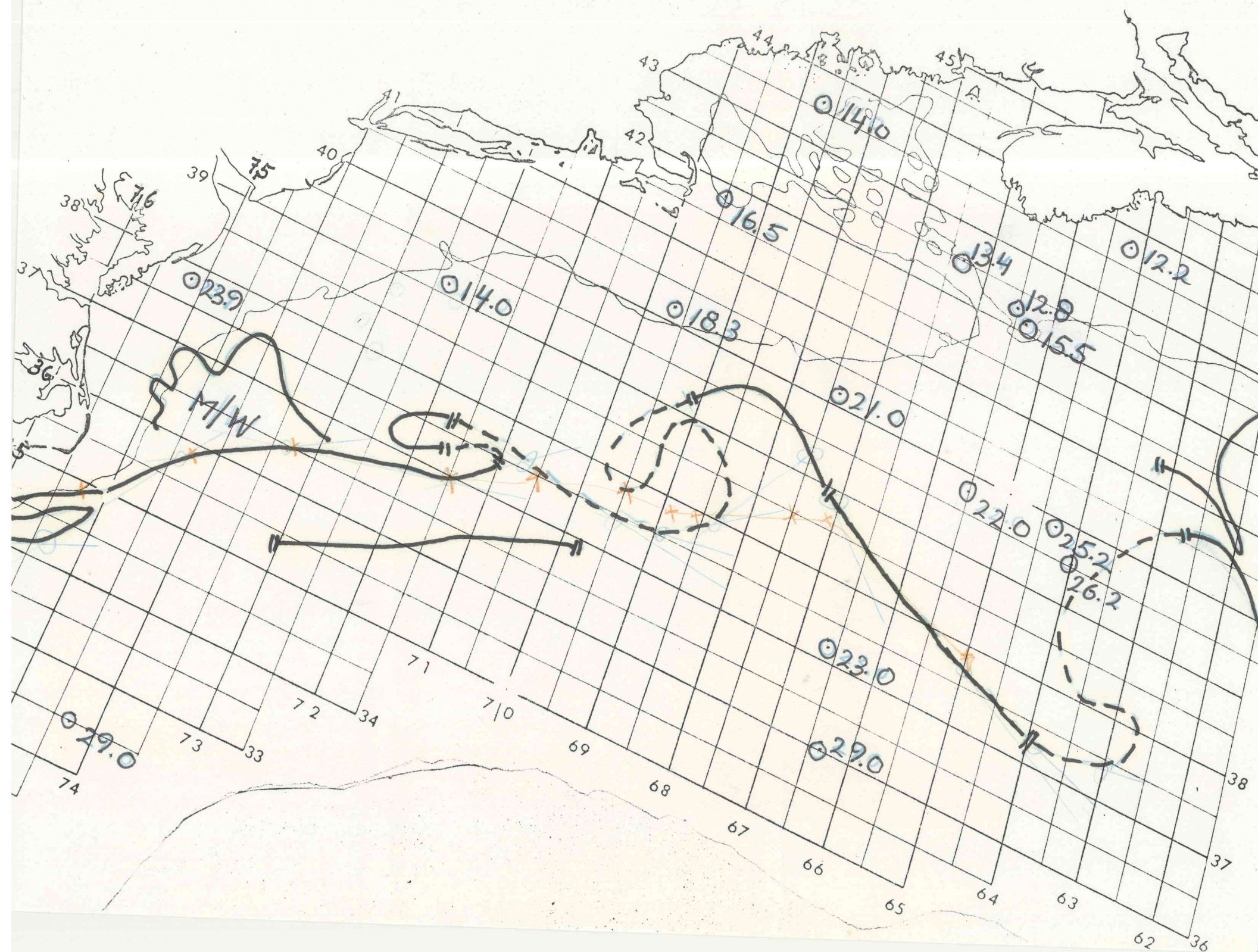
NEXT UPDATE

01 SEP 82

270800 290800 298803 302802 311796
318783 320783 326774 337762 342753
358744 365733 370715 376707 36
375695 375689 379683 392675
389671 377650 372639
374630 || SNP



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



NNNNJJV

ZCZC

1982 AUG 30 PM 4: 34

SXNT1 KWBC 302012

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

27.0/80.0 29.0/80.0 29.8/80.2 30.2/80.2

31.1/79.7 31.8/78.3 32.0/78.1 32.6/77.4

33.7/76.5 / 34.9/75.3 35.8/74.4 36.5/73.3

37.0/71.5 37.6/70.5 37.8/69.5 37.8/68.9

37.9/68.6 38.5/67.5 38.6/67.1 37.9/65.0

THE MAXIMUM GULF STREAM CURRENT LIES 10 ↑ 15 MILES SEAWARD OF THIS LINE.

WARM EDDIES 40.3/66.7/70 NMI. DIAM.

COLD EDDIES NONE DISCERNIBLE.

LATEST SATELLITE DATA 8/30/82 AT 1200Z

NNNN

1982 AUG 30 AM 11:40

ZCZC MIAGLMMIA
TBXX40 KMIA 301530

MIAMI SFSS OCEANOGRAPHIC ANALYSES...30 AUG 1982

CODED POINTS GIVE LATITUDE/LONGITUDE ALONG THE COASTWARD EDGE
OF THE WARMER WATER OF THE GULF OF MEXICO LOOP CURRENT...
.....NO DISCERNABLE GRADIENTS.....

...MIAMI SFSS SELECTED GULFSTREAM DATA FOR NOAA WEATHER RADIO...
A84/M/M/29. B80/M/M/29. C90/M/M/29. D94/M/M/29. E84/M/M/30.
F60/M/M/30. G59/M/M/30. H27/M/M/30. I31/M/M/30. J16/M/M/30.
K09/45/M/30.

AA78/M/M/29. BB84/M/M/29. CC42/M/M/29. DD34/M/M/29.
EE38/M/M/28. FF73/M/M/28. GG30/M/M/28. HH57/M/M/28.
II14/M/M/28. JJ47/M/M/28.

DATA FOR A THROUGH K...AA AND BB ARE FROM ANALYSIS OF
25 AUG 82. DATA FOR CC THROUGH FF ARE BASED ON THE MEAN...REPEAT
MEAN...POSITION OF THE SHOREWARD EDGE OF THE GULF STREAM FOR THE
MONTH OF AUGUST. MEAN POSITION LOCATION OF THE SHOREWARD EDGE OF
THE GULF STREAM WILL CONTINUE TO BE USED BETWEEN 27N AND 35N WHERE
EVER PERSISTENT ATMOSPHERIC MOISTURE PREVENTS OBSERVATION OF
THERMAL FRONTS. DATA FOR GG THROUGH JJ ARE CURRENT.
AN INSIDE FRONT IS OBSERVED FROM CC THROUGH HH AT THE FOLLOWING
DISTANCES...22 NM SHOREWARD OF CC...32 NM SHOREWARD OF DD...NEAR EE..
38 NM SE OF FF...NEAR GG...AND 31 NM SE OF HH.

WHITE/BAIG