NOTE TO USER - 1977

To ensure the best reproduction of original source material the following dates have been rescanned at a larger page size to avoid cutting off the top and side edges when scanned at 81/2” x 11”. When printing the rescanned pages please select 11”x 17” or larger for full size reproduction.

Appended find:

January, 1977

February, 1977

March, 1977

April, 1977

May, 1977

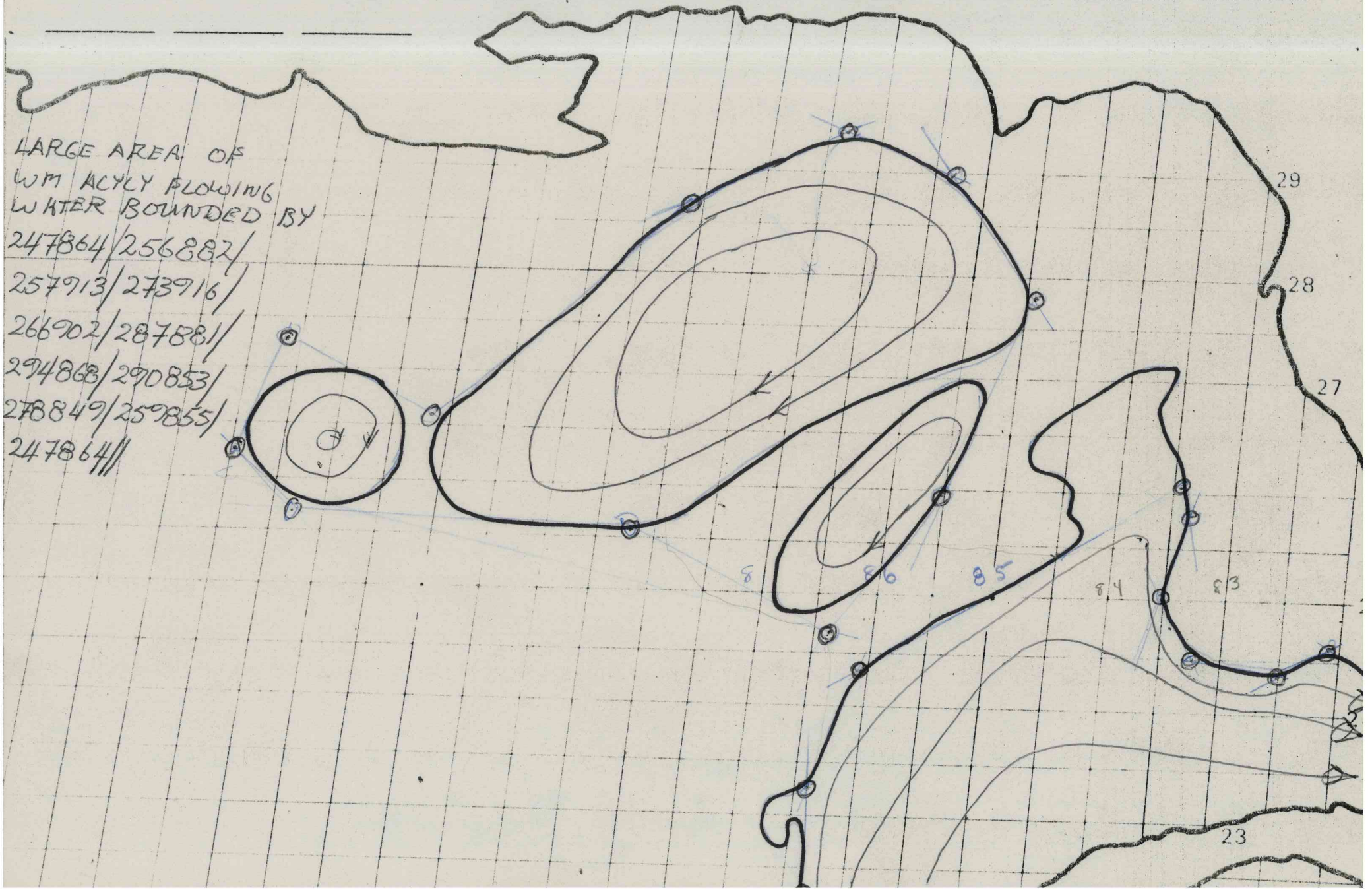
June, 1977

MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT: 01 APR 1977 PART A

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

223868 233869 244861 261834 258833 250835 245832 244835 246821 243816//

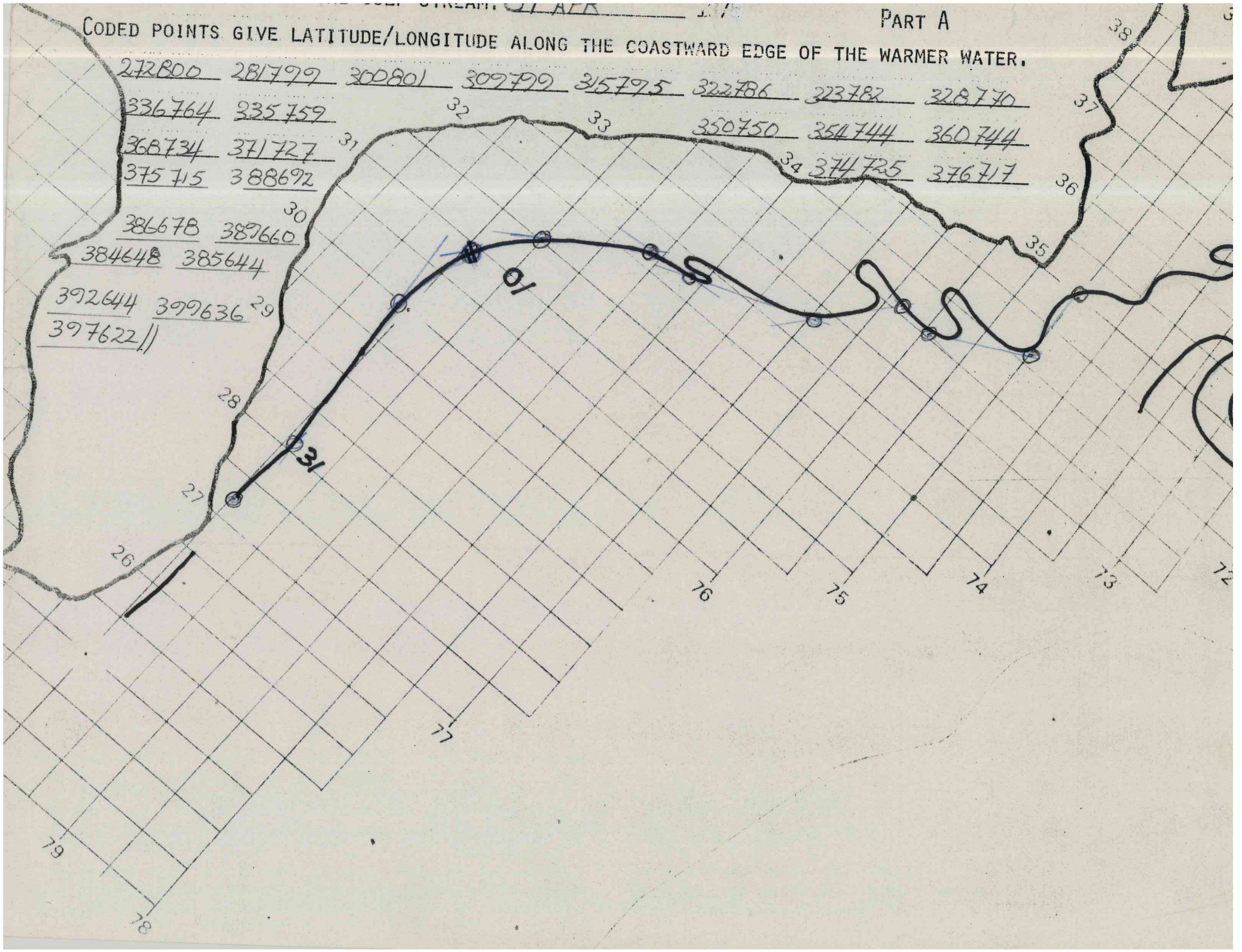
LARGE AREA OF WM ACYCY FLOWING WATER BOUNDED BY 247864/256882/ 257913/273916/ 266902/287881/ 294868/290853/ 278849/259855/ 247864//



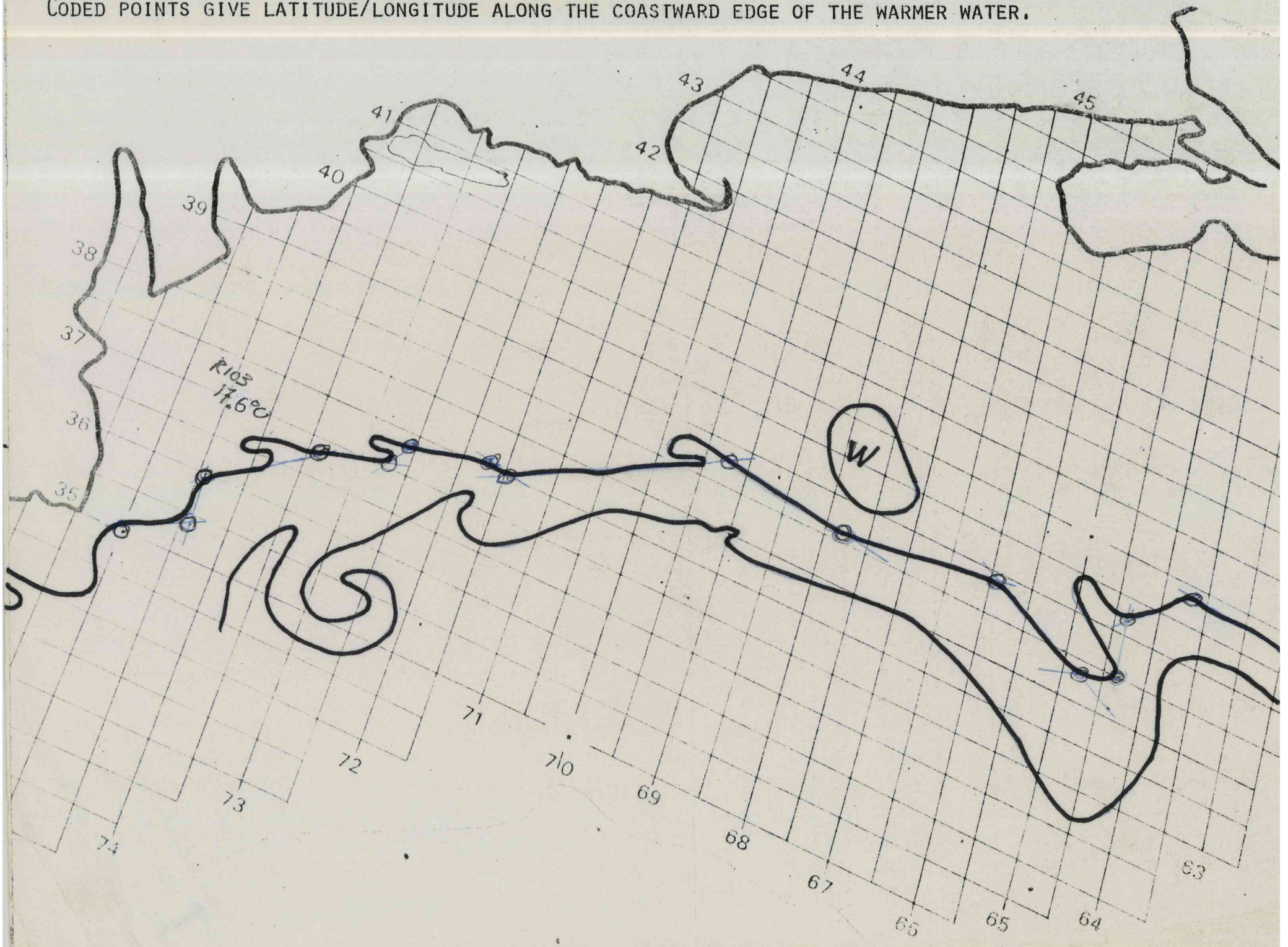
PART A

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

272800 281799 300801 309799 315795 322786 323782 328770
336764 335759 350750 354744 360744
368734 371727 374725 376717
375715 388692
386678 389660
384648 385644
392644 399636
397622



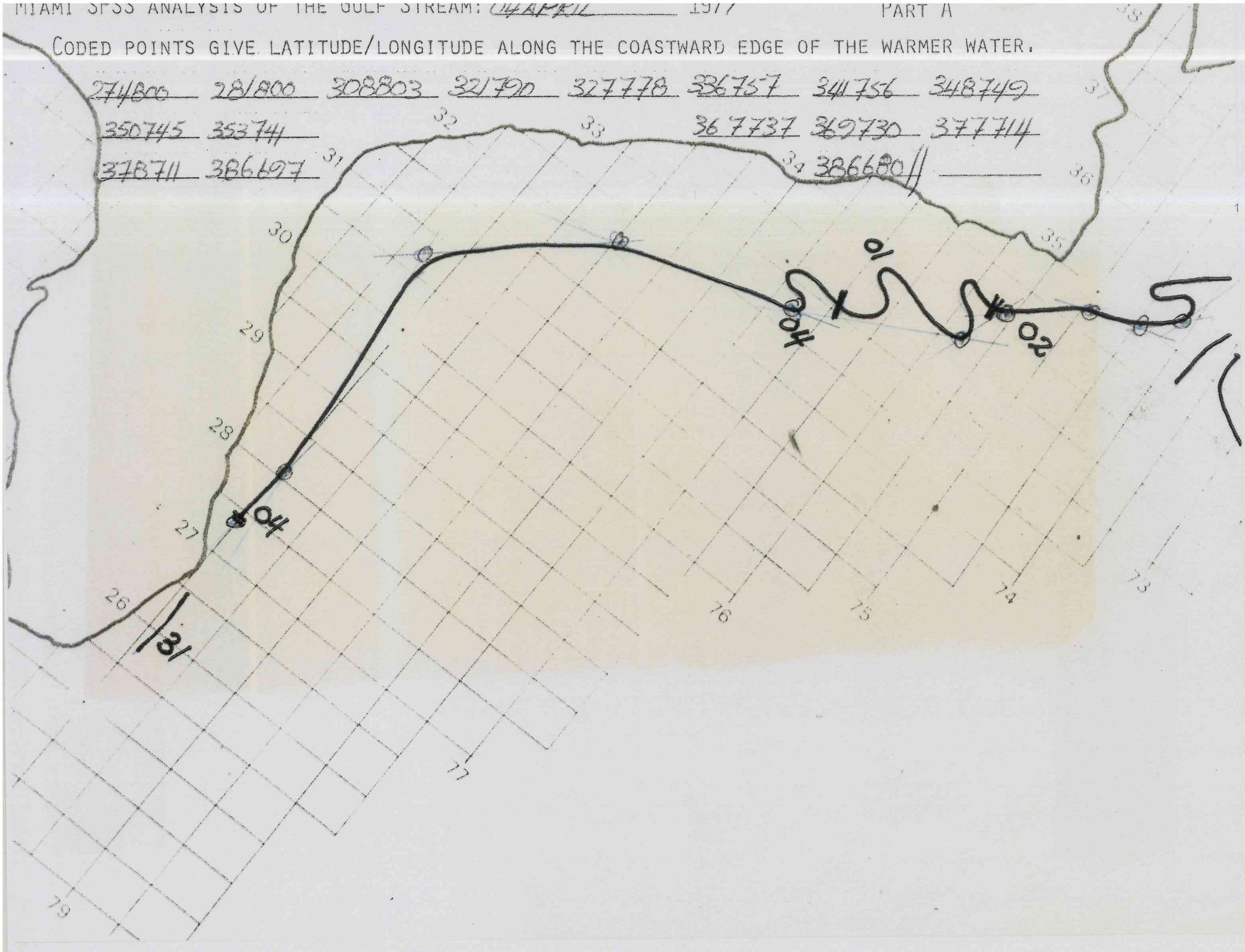
CODED POINTS GIVE LATITUDE/LONGITUDE ALONG THE COASTWARD EDGE OF THE WARMER WATER.



MIAMI SPSS ANALYSIS OF THE GULF STREAM: 04 APRIL 1977 PART A

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

274800 281800 308803 321790 327778 336757 341756 348749
350745 353741 367737 369730 377714
378711 386697 386680 //

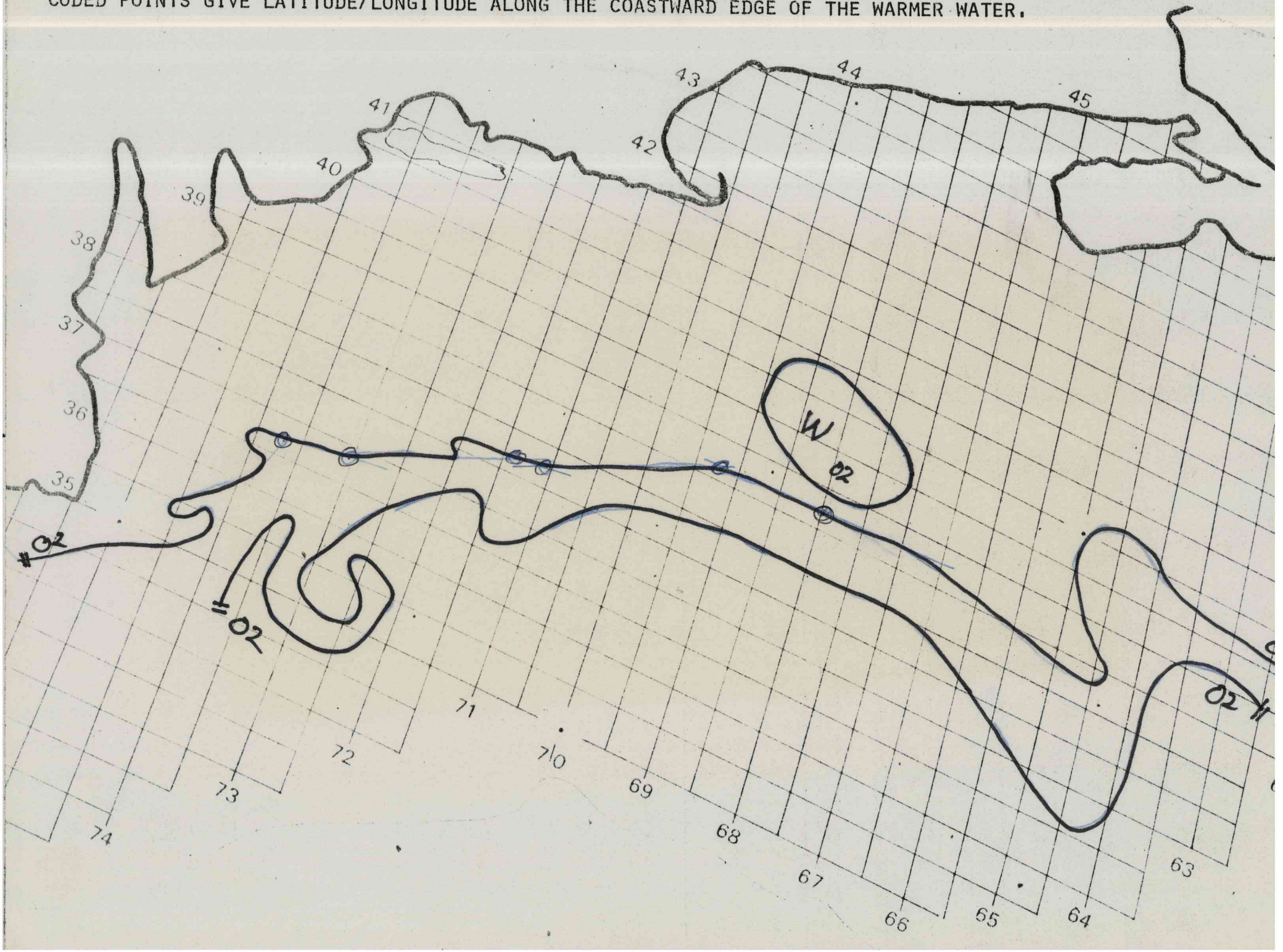


ZCZC WBC594
SXNT1 KWBC 042120
GULF STREAM LOCATION- THE LINE DESCRIBED BY THE FOLLOWING
SEQUENCE OF POINTS REPRESENTS THE WEST WALL OF THE GULF STREAM.

27.2/80.0	28.1/79.9	30.0/80.1	30.9/79.9
31.5/79.5	32.2/78.0	32.3/77.3	32.8/77.0
33.2/76.3	33.8/75.6	34.9/75.3	35.4/74.9
36.0/74.8	36.5/73.9	37.0/73.0	37.6/72.1
37.8/70.5	38.3/69.6	38.1/67.7	38.3/66.3
37.7/64.6			

THE MAXIMUM CURRENT OF THE GULF STREAM LIES BETWEEN 19-25KM
SEAWARD OF THIS LINE. ANALYSIS DATE 04/04/77

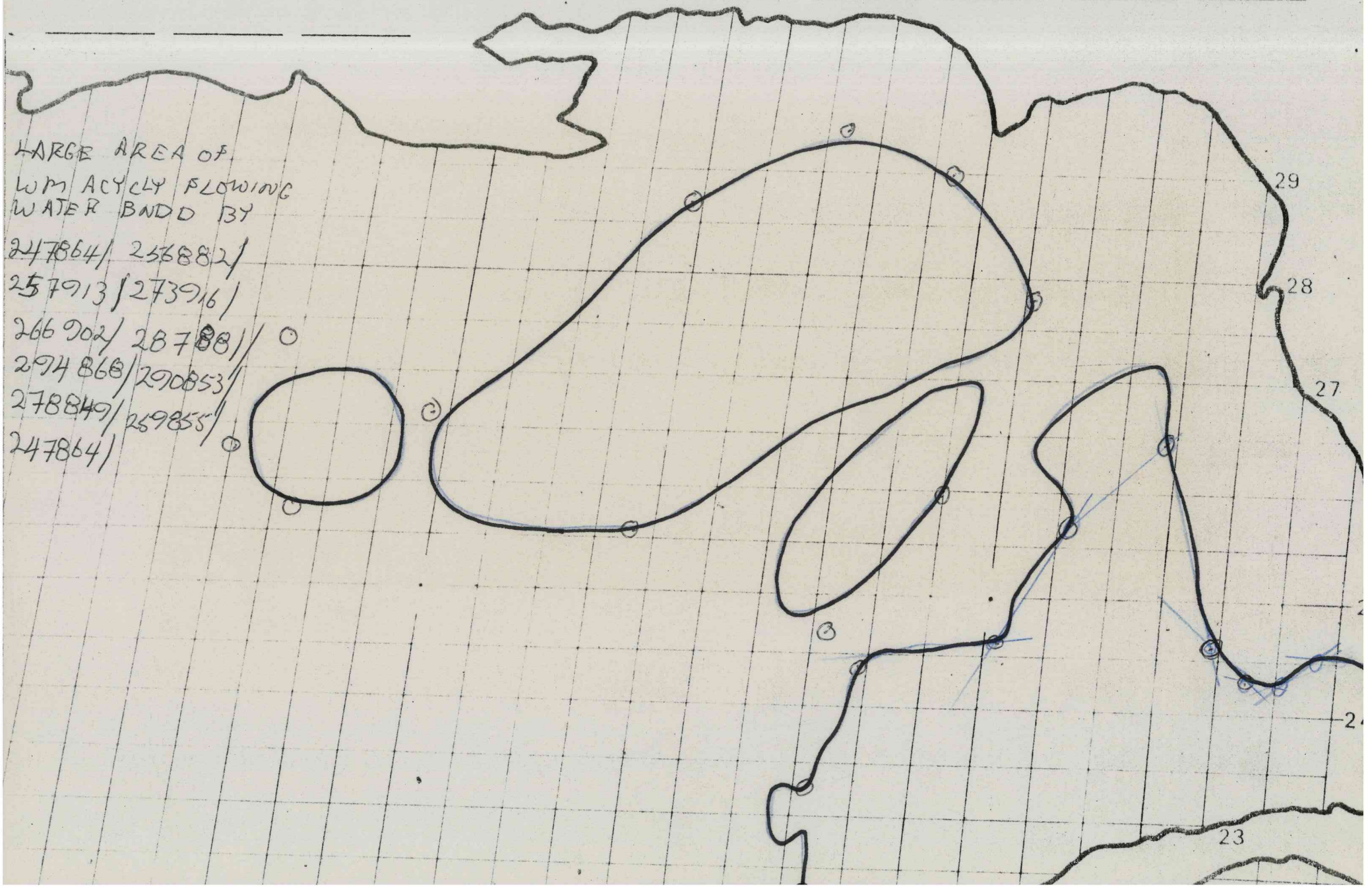
CODED POINTS GIVE LATITUDE/LONGITUDE ALONG THE COASTWARD EDGE OF THE WARMER WATER.



MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT: 06APR 1977 4Apr77 PART A

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

223868 233862 244861 246849 257844 264836 246831 243828 243825 245822



LOOP CURRENT DISCUSSION

07APRIL77

IF THE FINGER OF COLD WATER REACHING SOUTH FROM THE MISSISSIPPI DELTA IS A DEEP FEATURE, WE MAY BE SEEING HOW THE LARGE ACYC WM EDDY IS BROKEN UP INTO A MORE CIRCULAR FEATURE. NUMEROUS SMALL, WARM, EDDIES SHOW UP IN THE EXCELLENT IMAGERY OF THE PAST TWO DAYS. THE LOOP CURRENT ITSELF CONTINUES TO PROTRUDE NORTHWARD ALONG THE SHELF BREAK WEST OF FMY.

11 April/77

We now can see that the warm eddy has broken into two portions, one near the Florida shelf and the other centered near 26N88W. the latter feature is the usual warm eddy seen from many previous loop cut-offs. The former portion near the FLorida shelf is probably not as deep as the larger feature. Numerous smaller warm features exist west of 90W.

13 APRIL

LITTLE CHANGE IN LOOP CURRENT AND LARGE EDDY CONFIGURATION WITH SOME SHARPENING OF LOOP CURRENT AMPLITUDE NR 27.3 N 84.3W. ANALYSIS COMPRISED OF SEGMENTS OF 12 AND 13 APRIL ANALYSIS..

15 April 77

ltl chg noted past two days. Analysis based mstly on progged positions noted on 13/14.

18 April 77

Only bits and pieces of new data in today's analysis.

19 APRIL 77

SOME MORE BITS AND A FEW LESS PIECES OF LOOP CURRENT. MAJOR PORTION AGREES WITH BAIGC PRINTOUT.. LITTLE CHANGE IN LARGE ACYC AREA WITH NO NEW DATA.

22 APRIL 1977

ANALYSIS BASED ON LAST DATA RECEIVED WHICH OCCURRED ON 20 APRIL 1977. (KOP)

25 APRIL 77

NO NEW DATA TODAY. ANALYSIS BASED ON FORECAST MOVEMENT OF FEATURES.

27 APRIL 77

ONLY BITS AND PIECES, BUT THEY INDICATE FORECAST WAS VERY GOOD.

29 APRIL 77

SITUATION LITTLE CHANGED FROM 27 APRIL.

02 MAY 77

ALL FEATURES NEARLY STATIONARY PAST THREE DAYS.

04 MAY 77

HEAVY CLOUD COVER PRECLUDES ANY NEW DATA.

06 MAY 77]

NO NEW DATA 05-06 MAY.

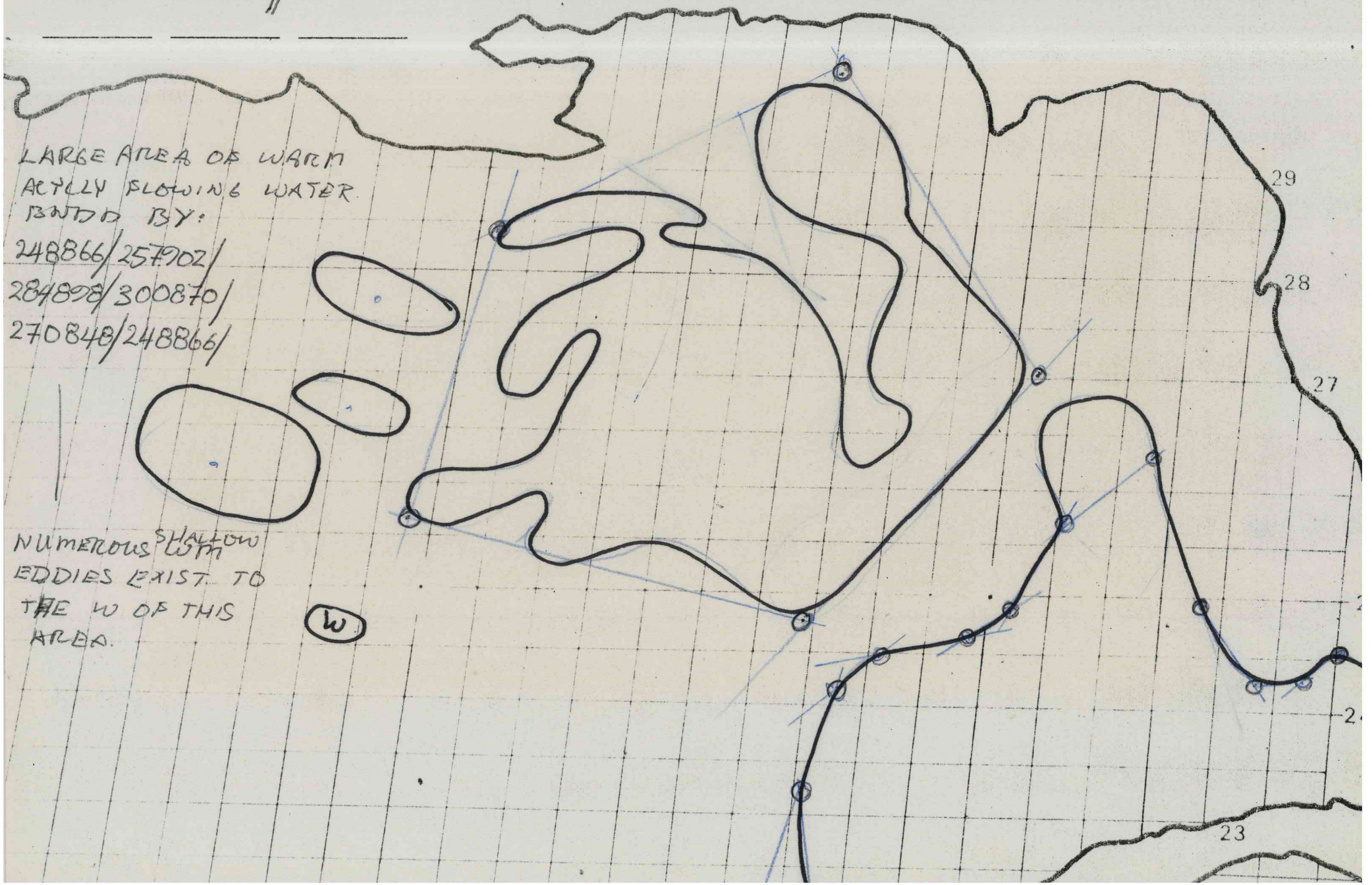
09 MAY 77

WEAK THERMAL GRADIENT AND EXTSV CLOUDINESS PREVENTS A RELIABLE ESTIMATE OF THE POSITION OF THE LOOP.

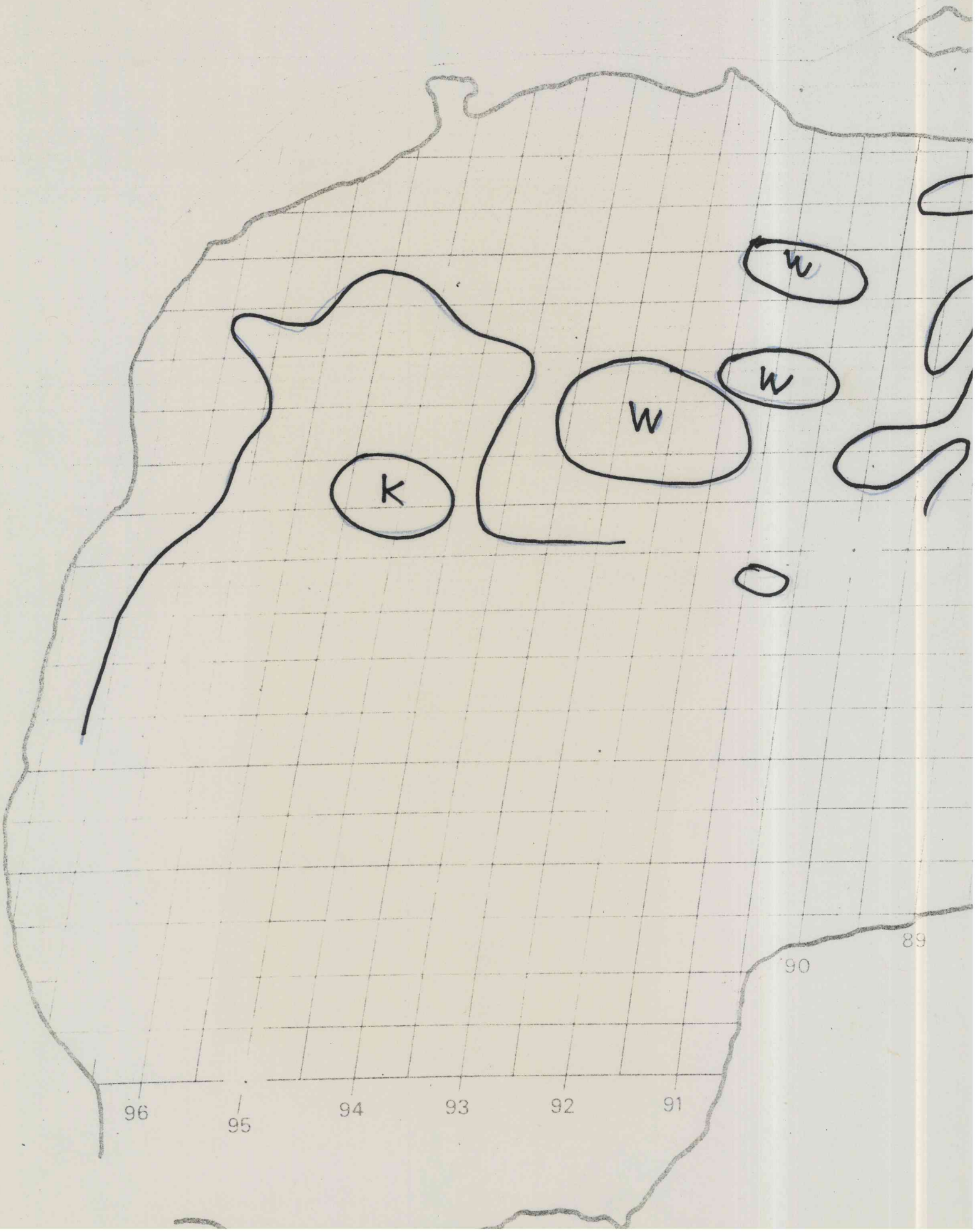
MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT: 08 APR 1977 PART A

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

222862 232864 242862 245859 247852 249848 257845 263832 269832 273827
273822 275820//



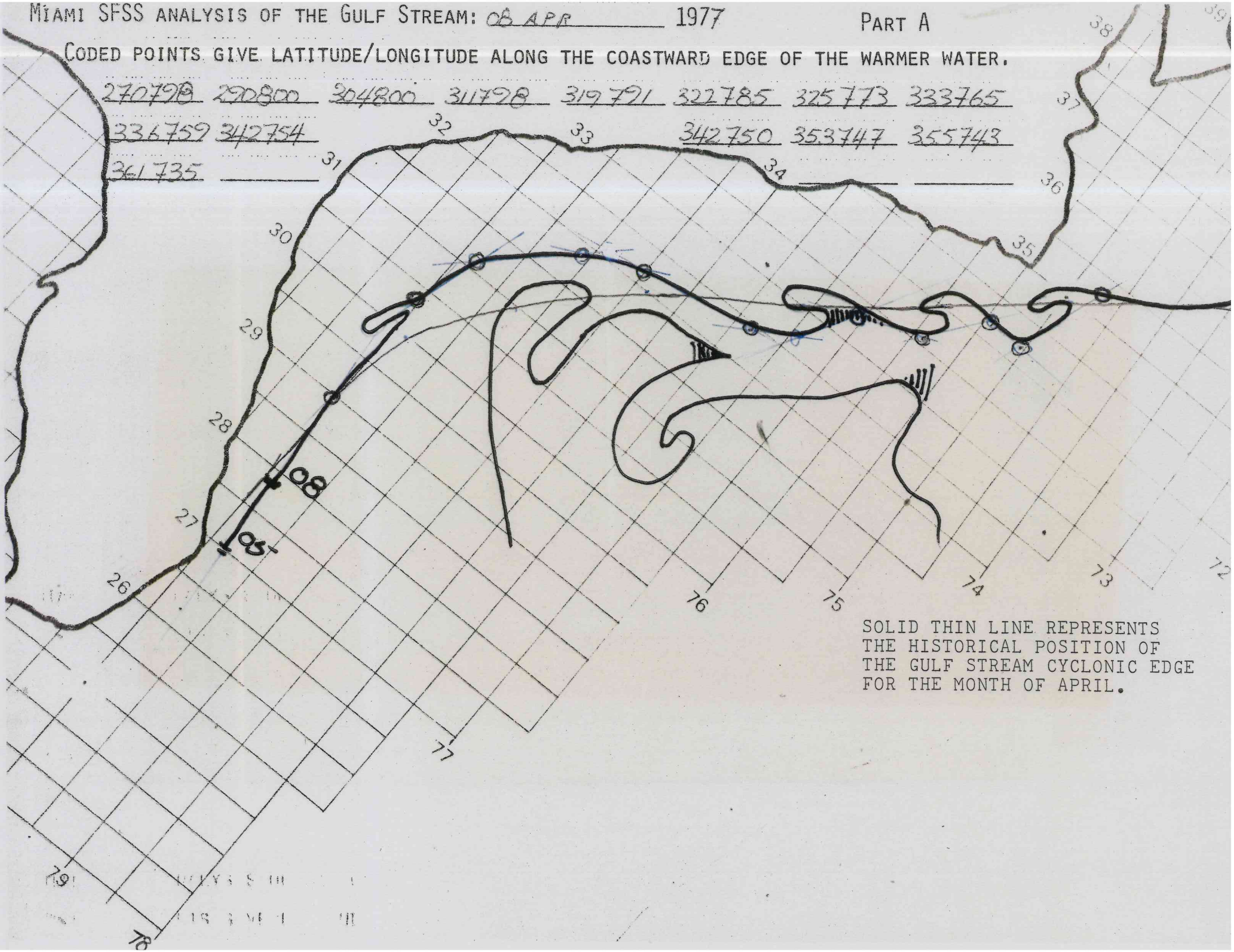
MIAMI-SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT: APR 1977 PART B



MIAMI SFSS ANALYSIS OF THE GULF STREAM: 08 APR 1977 PART A

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

270798 290800 304800 311798 319791 322785 325773 333765
336759 342754 342750 353747 355743
361735



SOLID THIN LINE REPRESENTS THE HISTORICAL POSITION OF THE GULF STREAM CYCLONIC EDGE FOR THE MONTH OF APRIL.

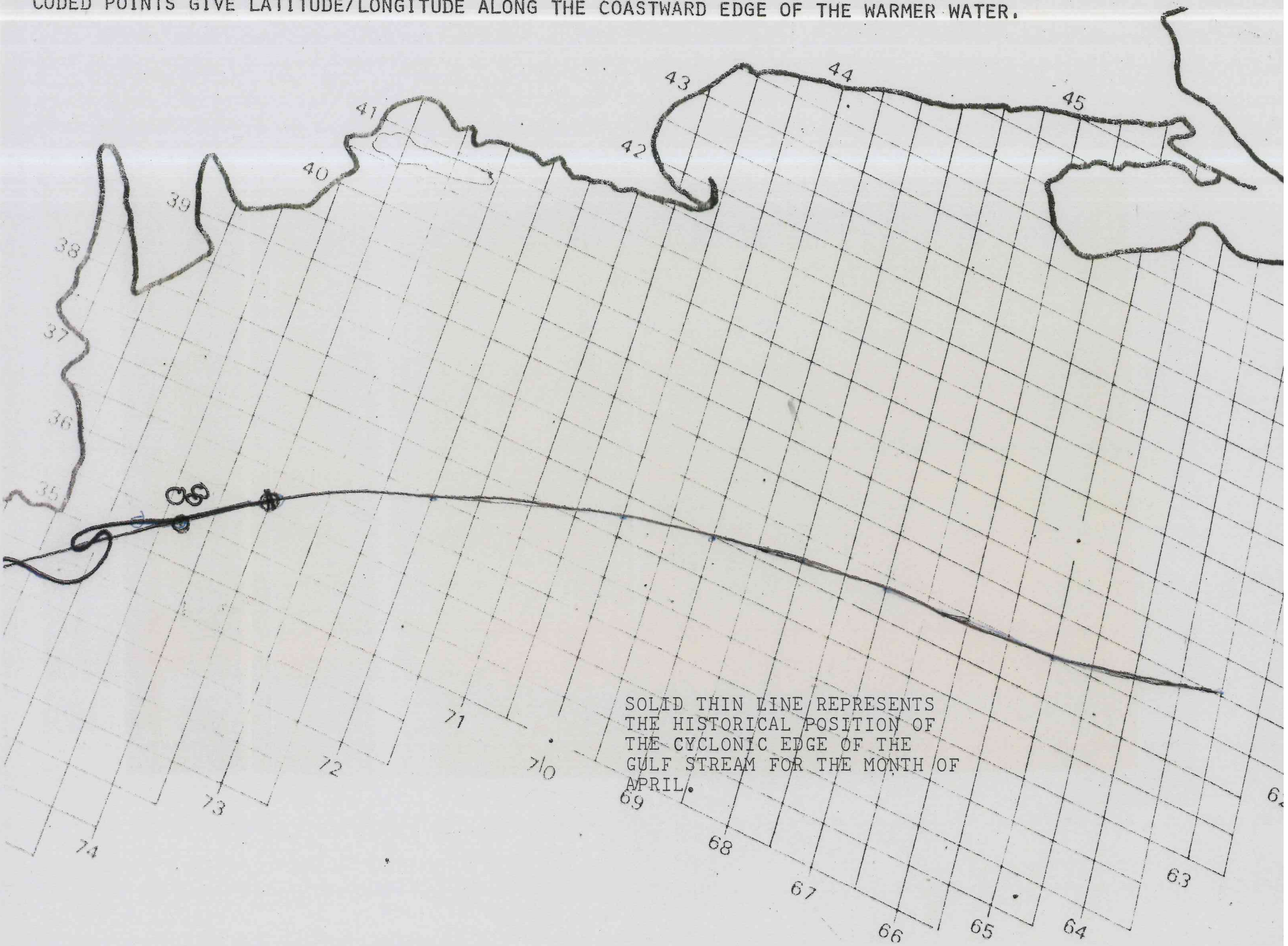
NNNN↓A
ZCZC WBC603
SXNT1 KWBC 081920
GULF STREAM LOCATION THE LINE DESCRIBED BY THE FOLLOWING
SEQUENCE OF POINTS REPRESENT THE WEST WALL OF THE GULF STREAM.

27.0/80.0 30.1/80.1 31.5/79.5 32.2/78.5
32.2/78.0 32.5/77.5 32.8/76.8 33.7/76.4
34.0/75.0 34.5/75.5 34.7/74.8 35.4/74.7
35.7/74.2 36.5/73.5 36.9/72.3 37.2/71.7

NNNN

MIAMI SPSS ANALYSIS OF THE GULF STREAM: 08 APR 1977 PART B

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



NNNN↓MV

ZCZC
SXNT1 KWBC 062100
GULF STREAM LOCATION

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

27.2/80.0 28.1/79.9 30.0/80.2 30.9/79.9

31.5/79.5 32.2/79.0 32.2/77.8 32.5/77.2

33.0/77.0 33.2/76.3 33.8/75.6 34.9/75.3

35.4/74.9 36.0/74.7 36.5/73.9 37.0/72.7

37.6/72.1 37.8/70.5 38.3/69.6

THE MAXIMUM CURRENT OF THE GULF STREAM LIES BETWEEN 19-25KM
SEAWARD OF THIS LINE. ANALYSIS DATE APRIL 6 1977 2130Z

GULF STREAM DISCUSSION

08 APRIL77

BTN 30°N AND 32°N THE STREAM IS EXTREMELY FAR WEST OF ITS HISTORICAL POSITION FOR THIS MONTH. IT IS INTERESTING TO NOTE THAT EVEN THE ACYC EDGE OF THE STREAM I WEST OF THE HISTORICAL POSITION OF THE CYCLONIC EDGE!!!

11 April77.

No change from 08 April.

13APRIL 77

NO DATA FM MIA TO 28.5N THEN STREAM IS VERY SMOOTH TO OFFSHORE S CAROLINA COAST. NEWD SMALL EDDIES CONTINUE DOWNSTREAM WITH LARGER EDDIES NEWD OF CAPE HATTERAS. GOOD ANALYSIS OUT TO 64W WITH BOTH SIDES OF STREAM WELL DEPICTED....

15 April 77

btn 30N and 32N the Stream conts about 30 m w of its historical position. Two very sharp bends in the cyc edge can be seen near34N75W and 37N71W... both appear to be asoctd with the large cold core eddies on the acyc edge of the Stream near these positions.

18 April 77

The samll meander near 31N is probably responsible for the westward movement of the stream noted last week. The bend in the Stream near 39N63W is much sharper today, and may be the precursor to another cold eddy break-off. The sharp bends noted on 15 April are still visible.

20 APRIL 77

MAJOR FEATURE IS THE RAPID DEVELOPMENT OF WARM EDDY NR 36.5N 68.2W SIGNIFING MAJOR PORTION OF STREAM HEADING ESE FM 370701 POSITION. COLD EDDY BREAKOFF ALMOST NR COMPLETION. ESTIMATES OF SPEED AROUND TOP OF COLD EDDY ABT 1.0-1,5 KNTS. ESTIMATE SPEED FLOWING INTO WARM EDDY IS 2.0-2.5 KNTS.

22 APRIL 1977

GENERAL DISCUSSION OF MY ANALYSIS OF 22 APR 77 WITH MAIRS. MAIRS SAYS THAT THEY HAVE THREE (3) MEN ON IT SO "FEAR NOT". (KOP)

25 APRIL 77

STREAM IS WELL WEST OF THE HISTORICAL POSITION FM 28°N THRU 32.5°N. THE MAJOR FEATURE NEAR 38°N70°W HAS THE STREAM FOLDED BACK ON ITSELF, WELL NORTH OF THE HISTORICAL POSITION. THIS APPEARS TO BE THE FORMATION OF A COLD EDDY.

27 APRIL 77

THE STREAM IS STILL WEST OF ITS HISTORICAL POSITION FM 29.5°N TO 33°N. FM 35°N TO 36.5°N THE STREAM IS SLIGHTLY NW OF IST HISTORICAL POSITION. THE COLD EDDY PARTIALLY SEEN NR 38°N71°W IS STILL A MAJOR FEATURE.

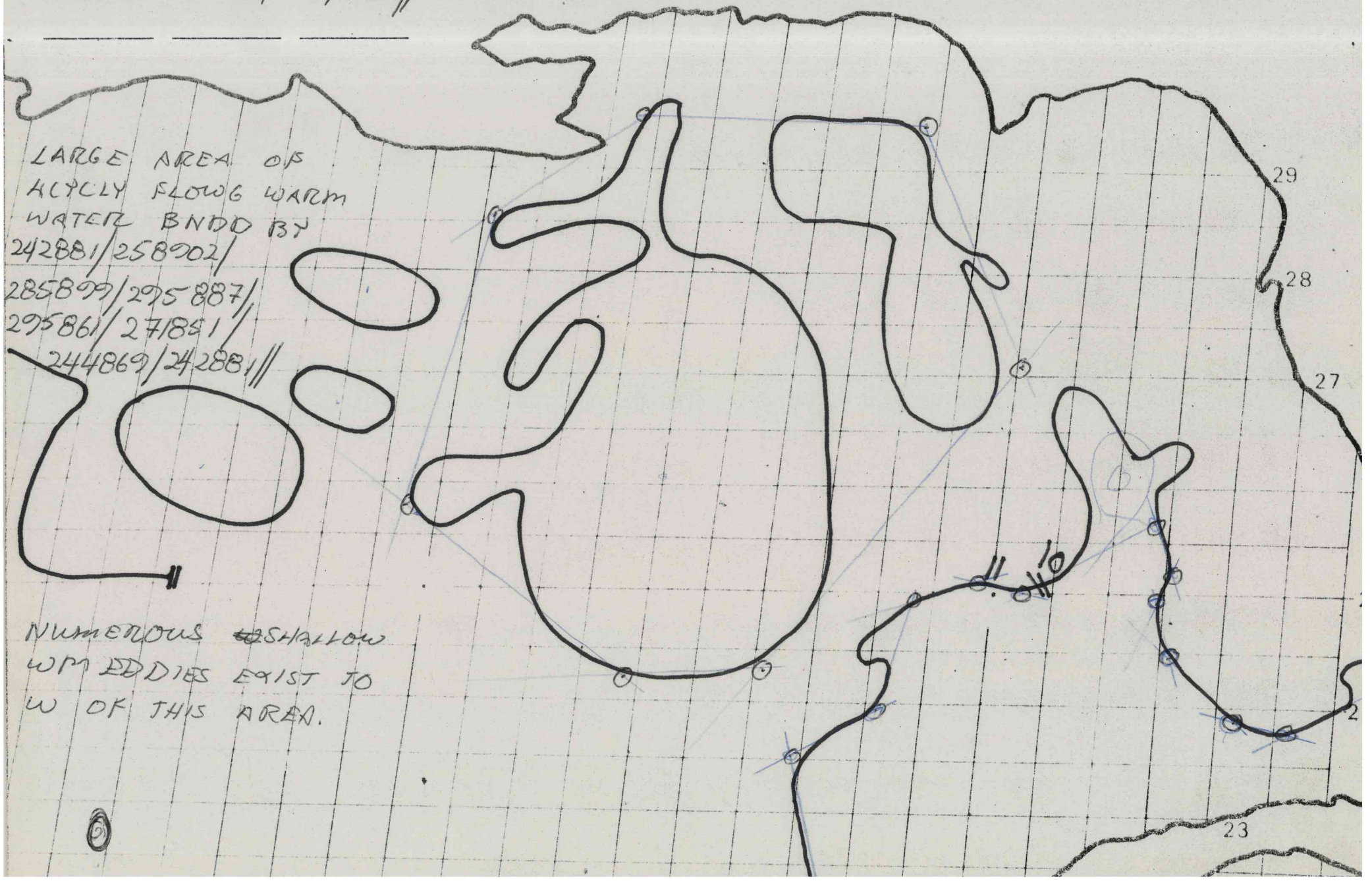
29 APRIL 77

WWD POSITION OF STREAM IS DECREASED N OF 32N AS A NEW MEANDER APPEARS TO BE GROWING IN THIS VCNTY. FM 32°N TO 37°N A SERIES OF SMALL MEANDERS HAVE DEVELOPED LATELY AND THEY SEEM TO BE QUITE STABLE. THIS MAY BE A FUNCTION OF THE LARGE COLD EDDY FORMATION NR 70°W

MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT: 11 APR 1977 PART A

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

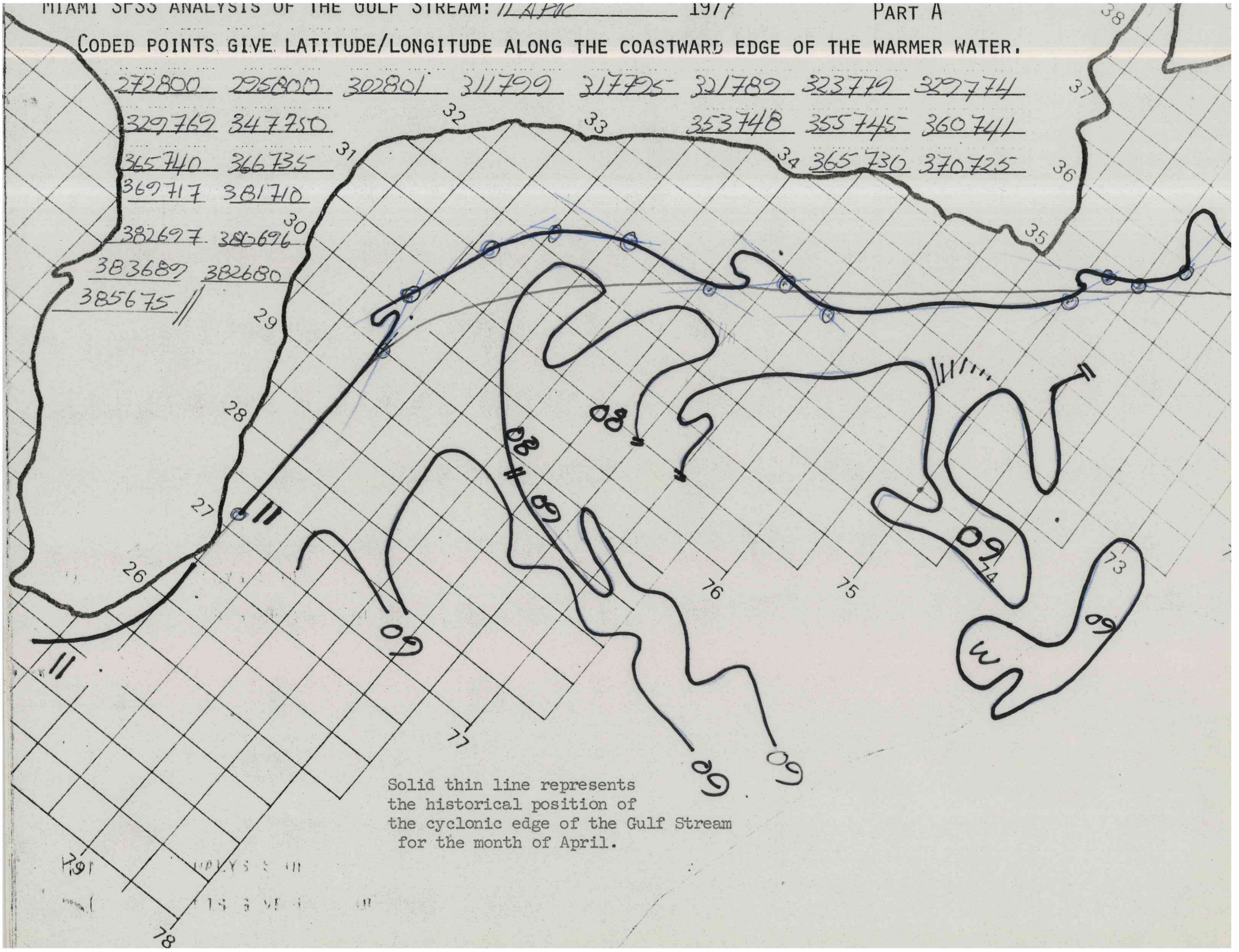
23863 23586 23959 24956 25185 25047 25736 25234 24935 24584
23929 23824 24/2816//



MIAMI SPSS ANALYSIS OF THE GULF STREAM: APR 1977 PART A

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

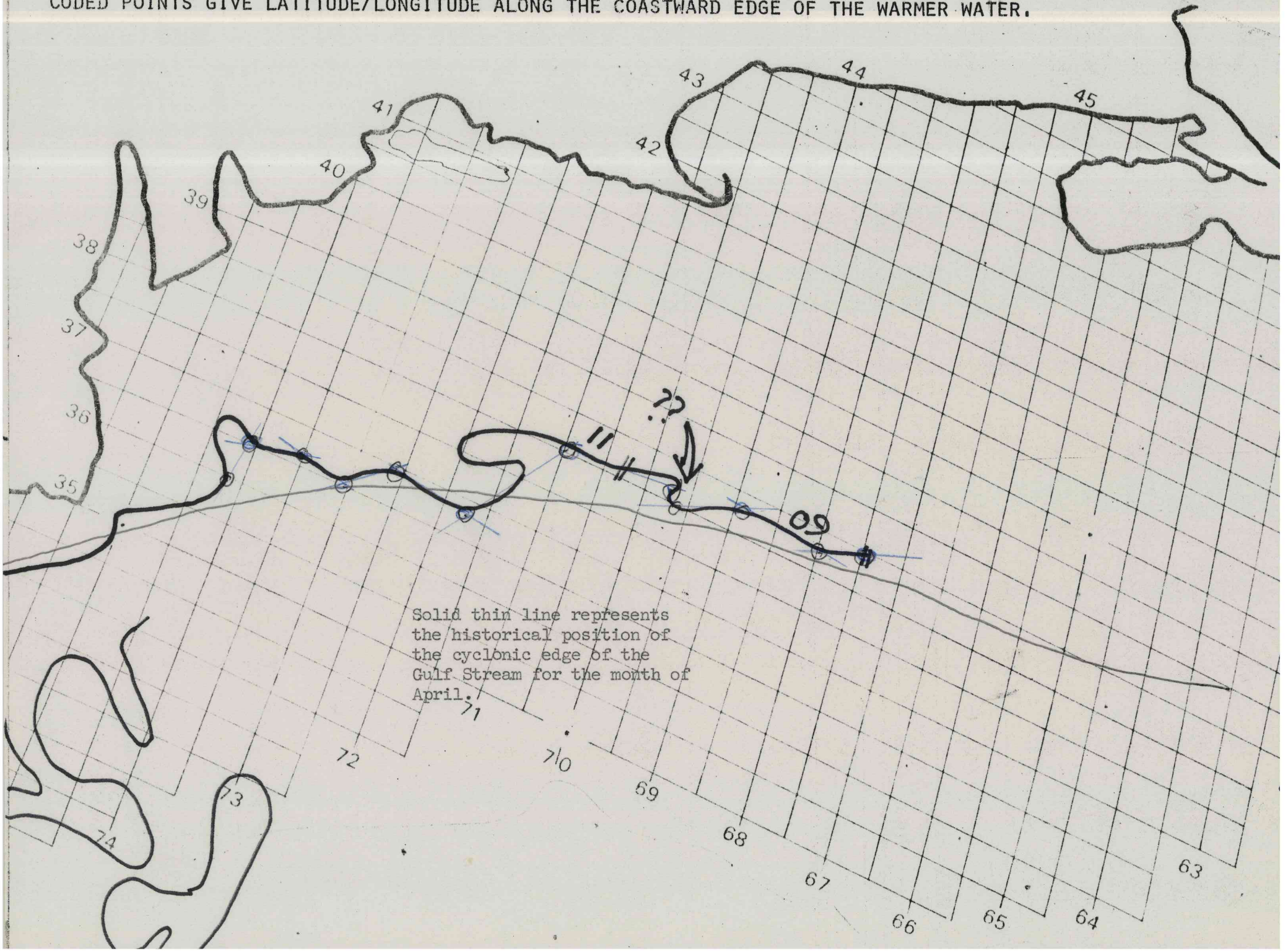
272800 295800 302801 311799 317795 321789 323779 327774
329769 347750 353748 355745 360741
365740 366735 365730 370725
369717 381710
382697 385696
383689 382680
385675



Solid thin line represents the historical position of the cyclonic edge of the Gulf Stream for the month of April.

MIAMI CROSS ANALYSIS OF THE GULF STREAM: APR 1971 PART B

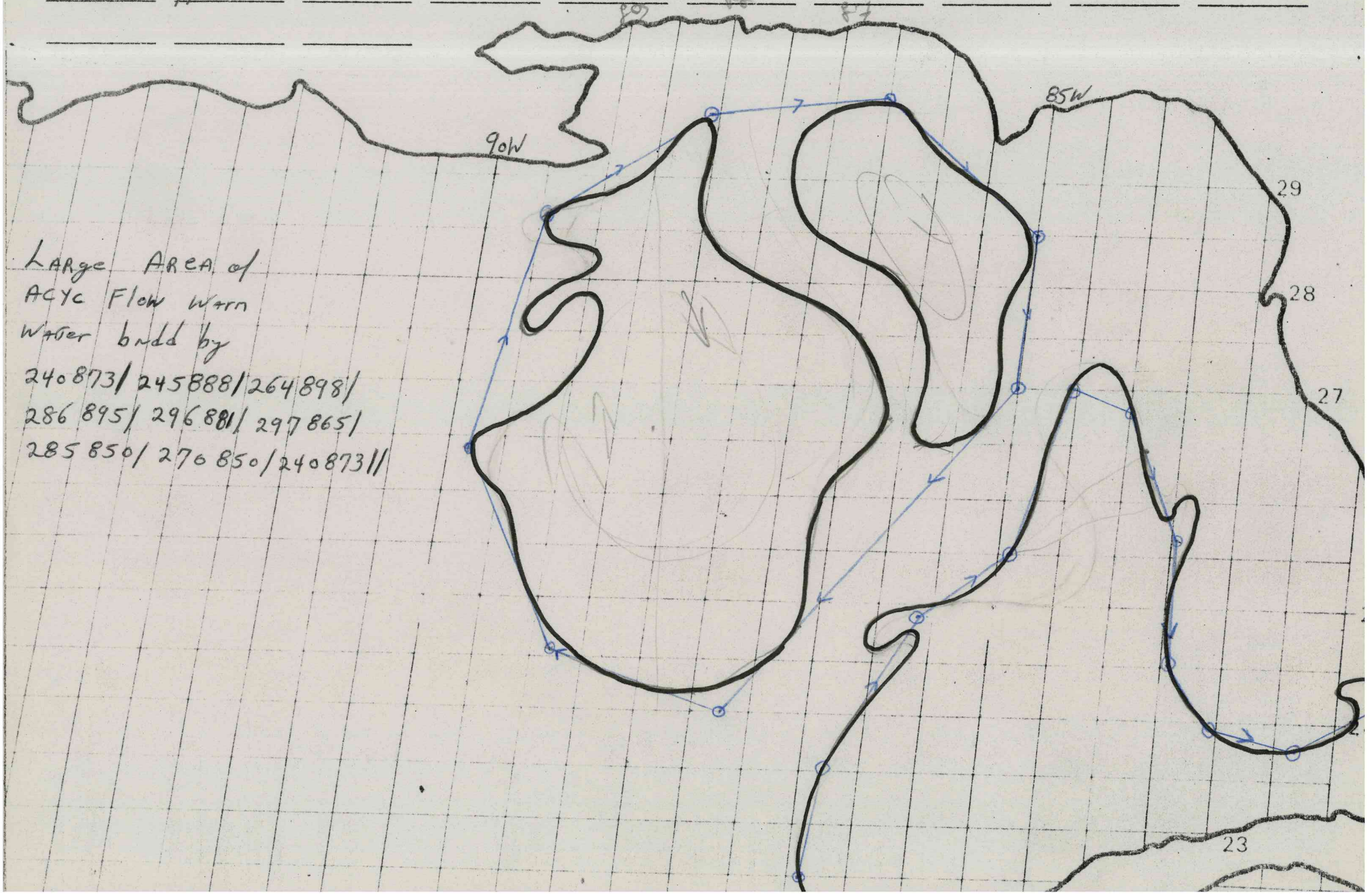
CODED POINTS GIVE LATITUDE/LONGITUDE ALONG THE COASTWARD EDGE OF THE WARMER WATER.



MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT: 13 APR 1976 PART A

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

225864 235863 249856 255849 270845 267840 256835 245834 239831 237824
242816 //

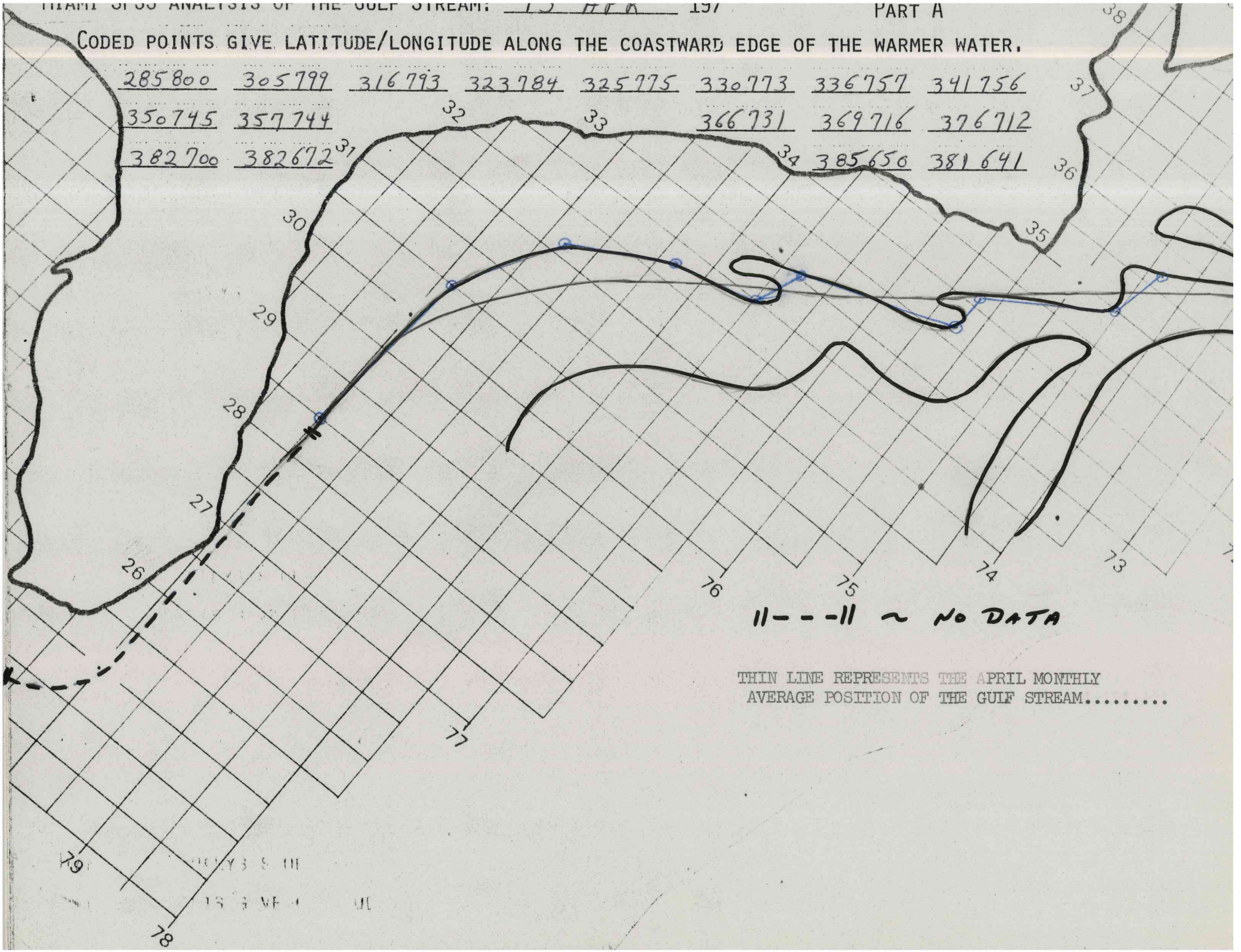


LARGE AREA of ACYC FLOW WARM WATER bndd by
240873/245888/264898/
286895/296881/297865/
285850/270850/240873//

MIAMI 1955 ANALYSIS OF THE GULF STREAM: 15 APR 197 PART A

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

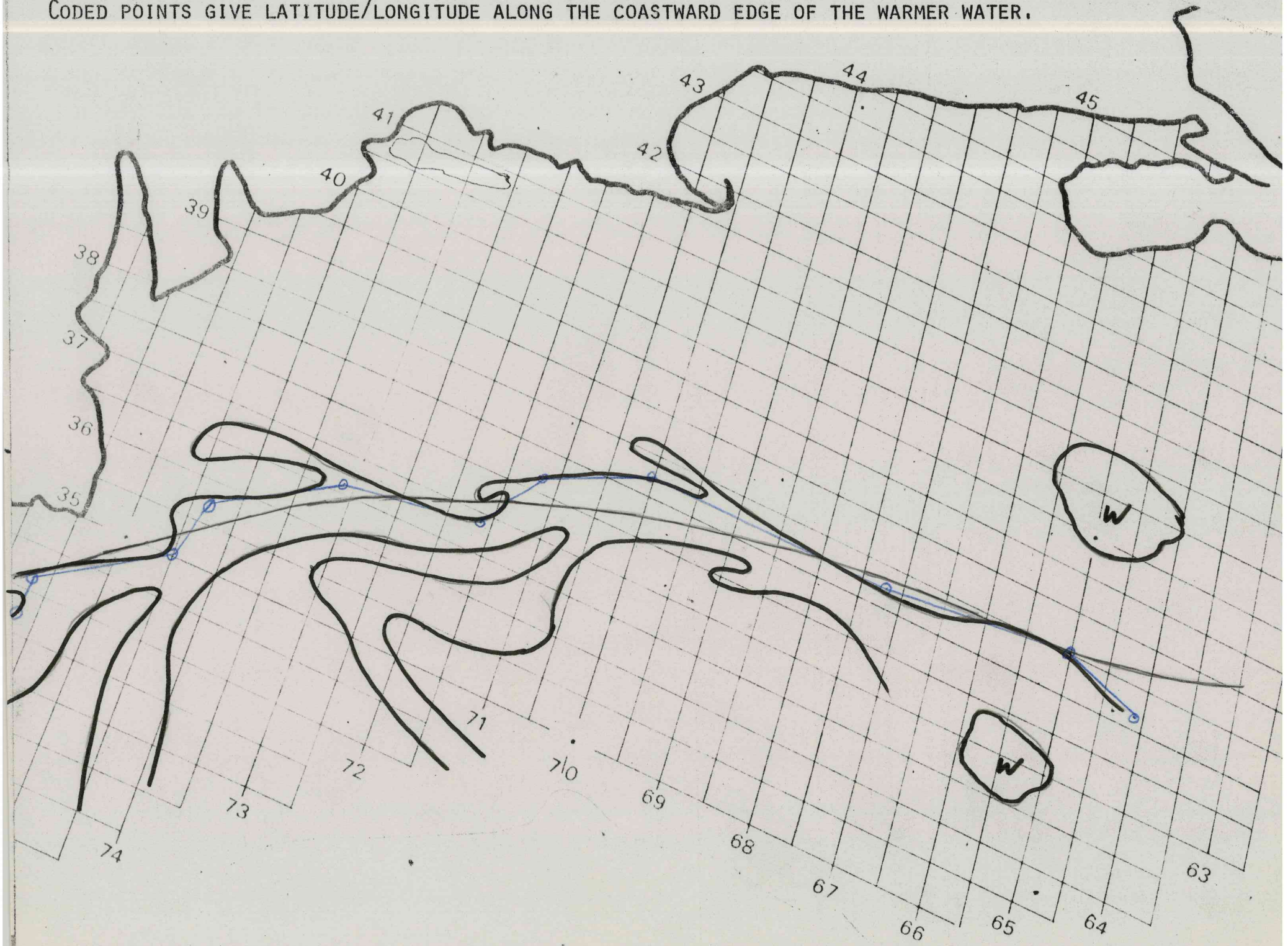
285800 305799 316793 323784 325775 330773 336757 341756
350745 357744 366731 369716 376712
382700 382672 385650 381641



11- - -11 ~ NO DATA

THIN LINE REPRESENTS THE APRIL MONTHLY AVERAGE POSITION OF THE GULF STREAM.....

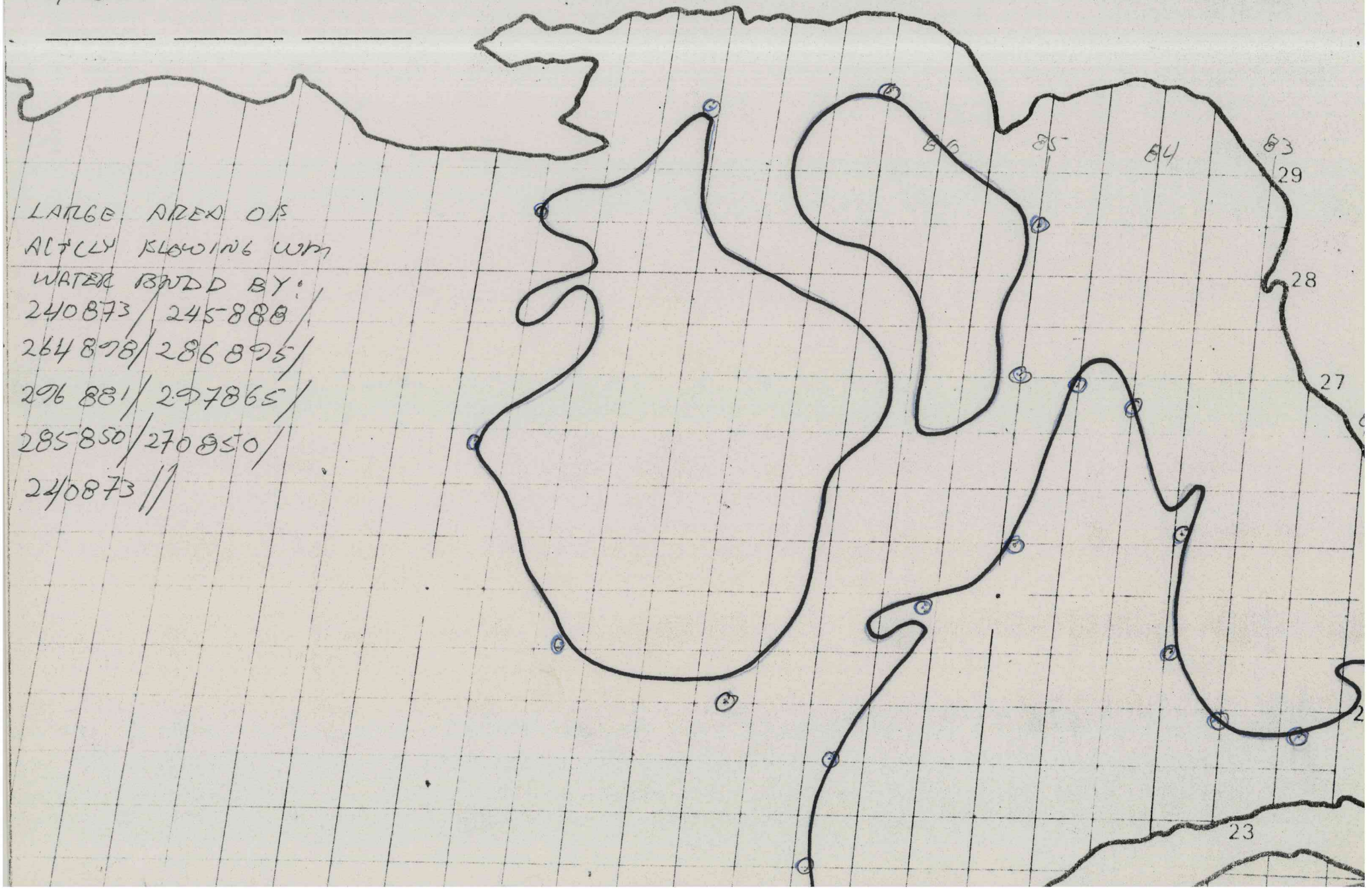
CODED POINTS GIVE LATITUDE/LONGITUDE ALONG THE COASTWARD EDGE OF THE WARMER WATER.



MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT: 15 APR 1977 PART A

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

225864 235863 249856 255849 270845 267840 256835 245834 239831 237824
242816

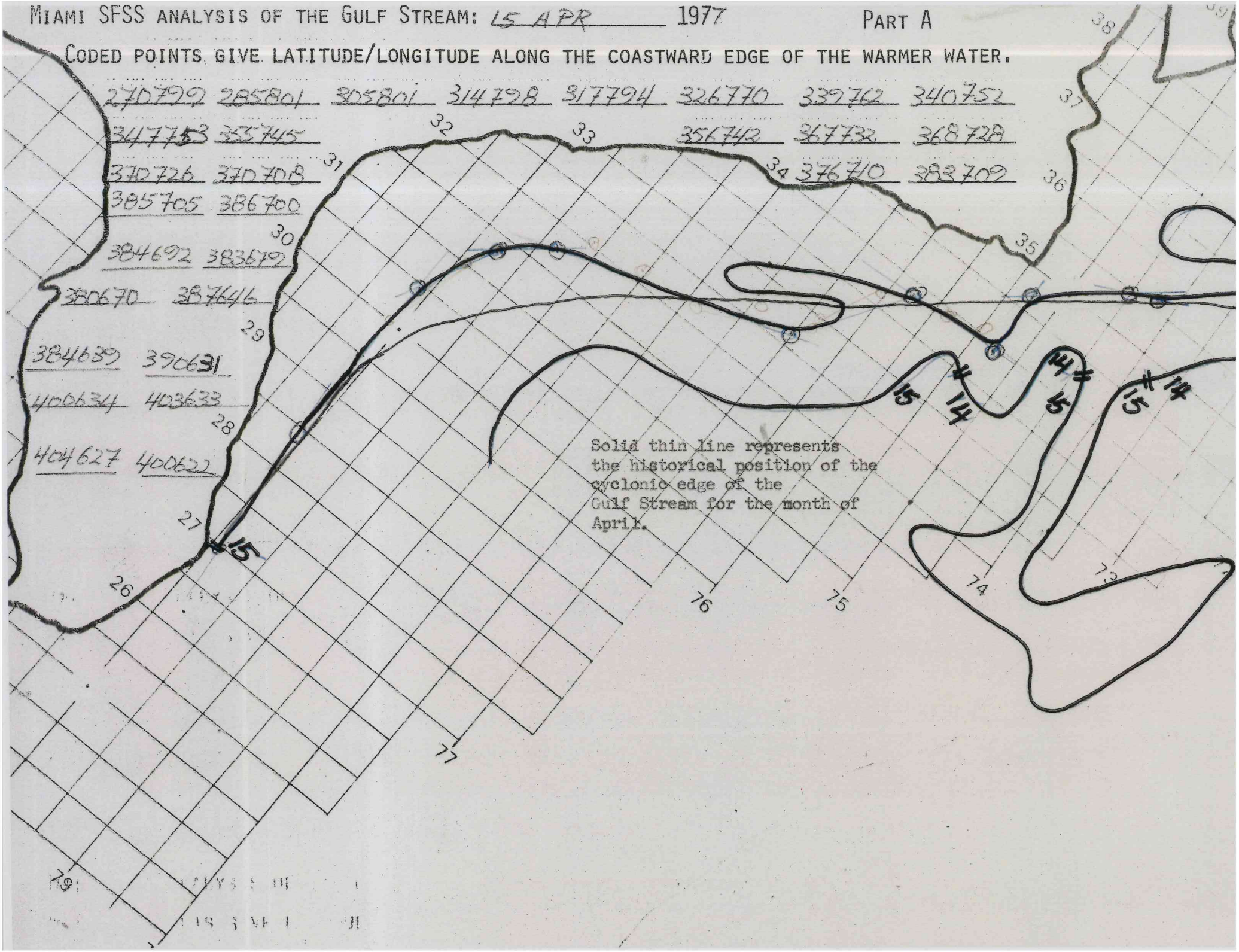


LARGE AREA OF
ALTCLY FLOWING WM
WATER BOUD BY:
240873/245888/
264878/286895/
296881/297865/
285850/270850/
240873//

MIAMI SFSS ANALYSIS OF THE GULF STREAM: 15 APR 1977 PART A

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

270799 285801 305801 314798 317794 326770 339762 340752
347753 353745 356742 367732 368728
370726 370708 376710 383709
385705 386700
384692 383679
380670 387646
384689 390631
400634 403633
404627 400622



VANW

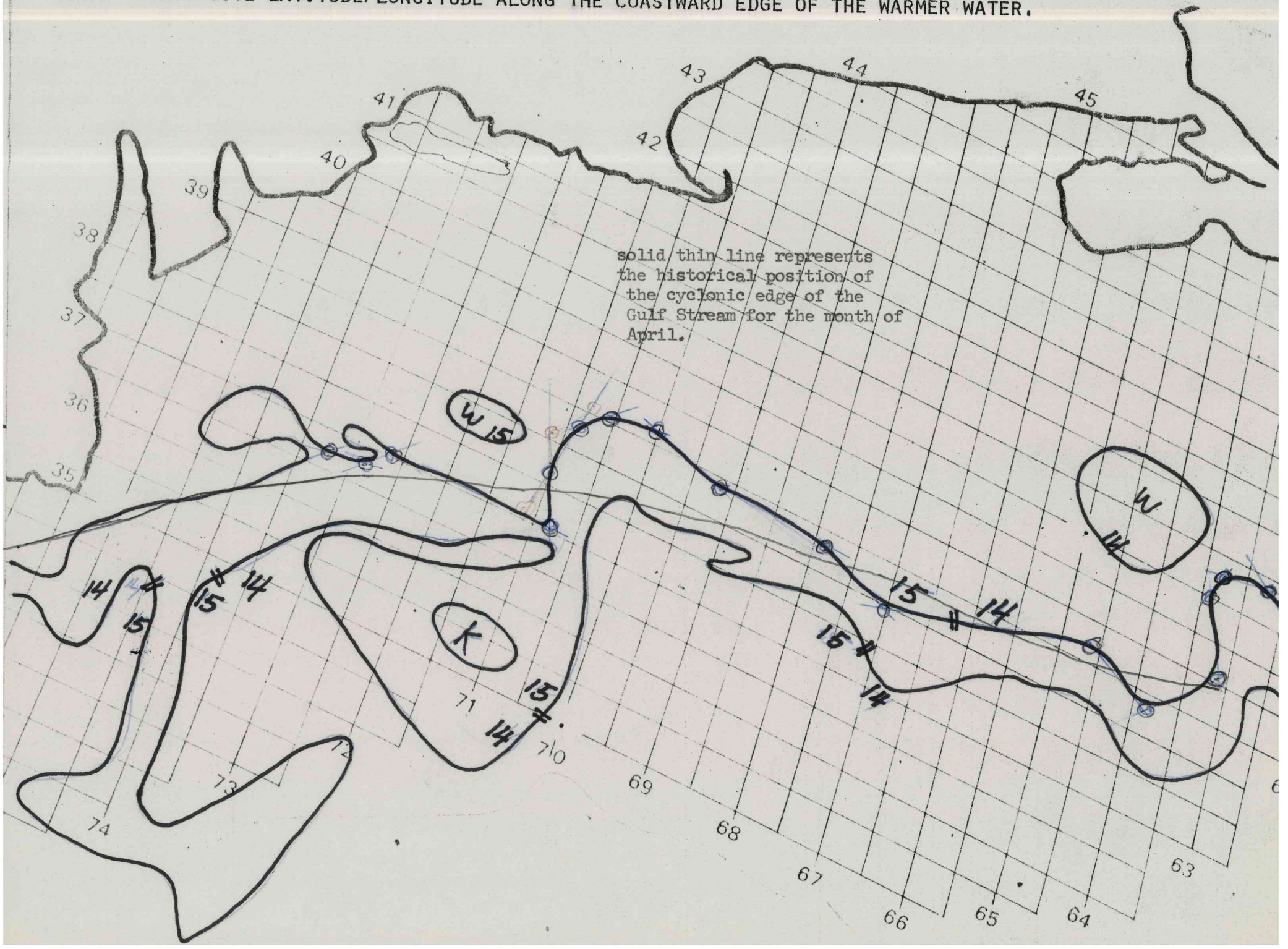
ZCZC
SXNT1 KWBC 152004
GULF STREAM LOCATION † THE LINE DESCRIBED BY THE FOLLOWING
SEQUENCE OF POINTS REPRESENTS THE WEST WALL OF THE GULF STREAM.

27.0/79.9	28.5/80.1	30.0/80.1	31.0/79.8
32.1/79.1	32.2/78.6	32.2/77.8	32.8/77.4
33.0/76.9	33.7/76.6	34.0/75.9	34.1/75.5
34.8/75.4	35.9/74.2	36.3/73.9	36.8/73.2
37.2/71.8	37.2/71.0	37.7/71.0	38.1/71.2
38.7/70.8	38.7/69.7	38.2/67.0	38.7/64.6

THE MAXIMUM CURRENT OF THE GULF STREAM LIES BETWEEN 19†25KM
SEAWARD OF THIS LINE. ANALYSIS DATE... 04/15/77 AT 2000Z

NNNN↓

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

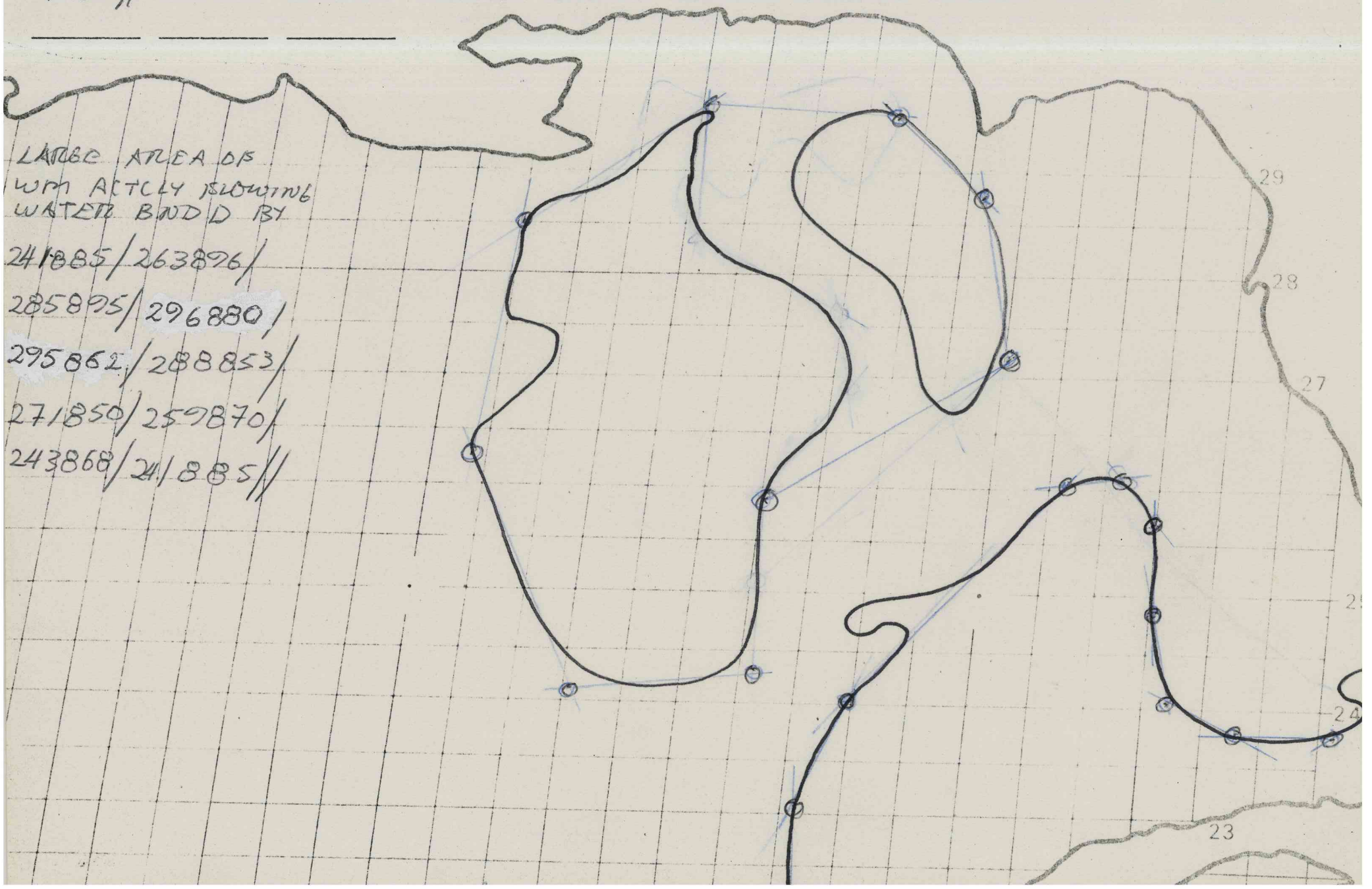


MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT: 18 APR 1977 PART A

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

222863 231864 240860 260844 261838 257835 249835 240833 238827 238819
241815//

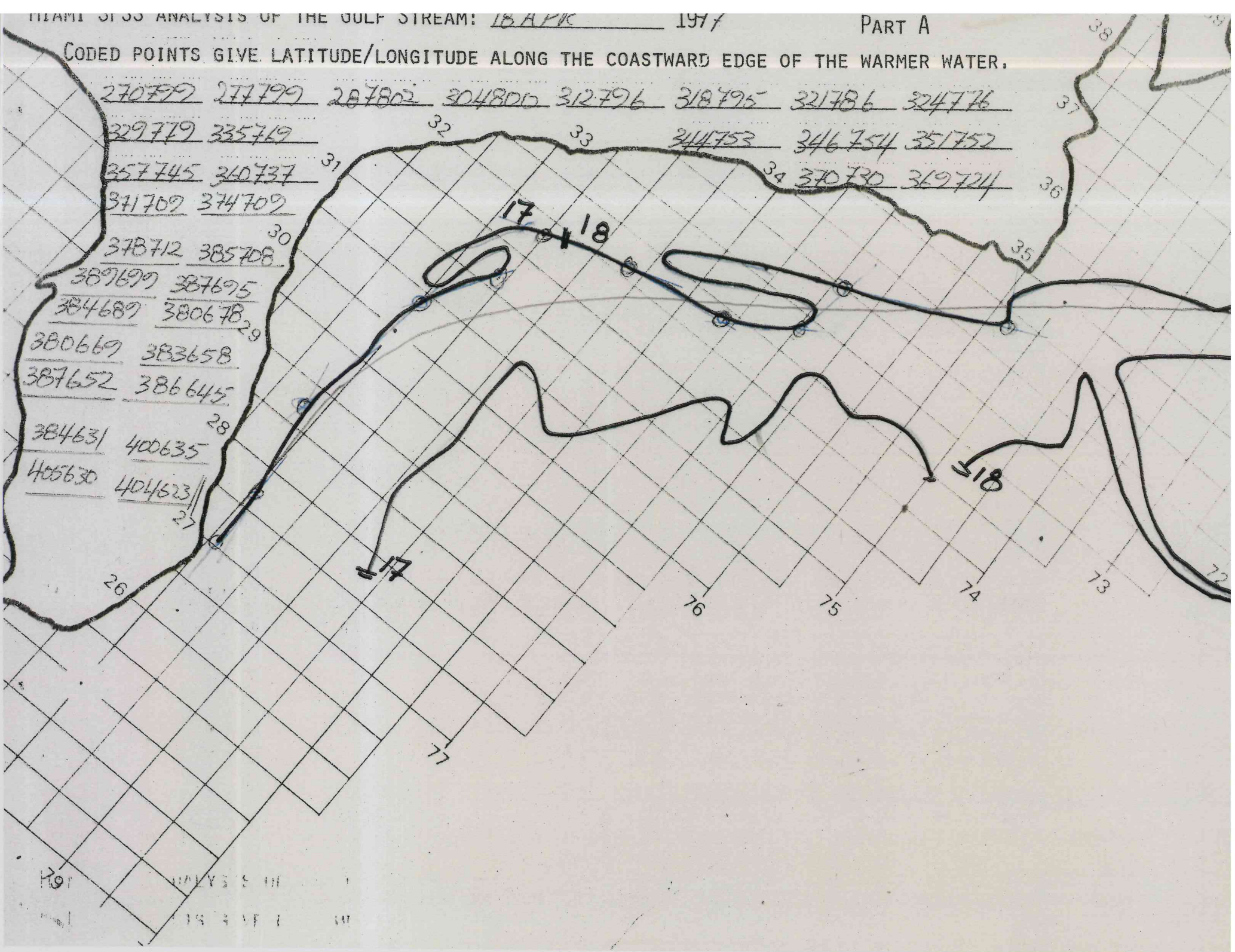
LARGE AREA OF
WITH ACTIVELY FLOWING
WATER BOUND BY
241885/263896/
285895/296880/
295862/288853/
271850/259870/
243868/241885//



MIAMI SPSS ANALYSIS OF THE GULF STREAM: 18 APR 1977 PART A

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

270799 277799 287802 304800 312796 318795 321786 324776
329779 335769 344753 346754 351752
357745 360737 370730 369724
371709 374709
378712 385708
389699 387695
384689 380678
380669 383658
387652 386645
384631 400635
405630 404623



APR 18 21 47'77

VCT-CRP-AUS-BTR-MOB-MGM-MEI-ATL-CAE-

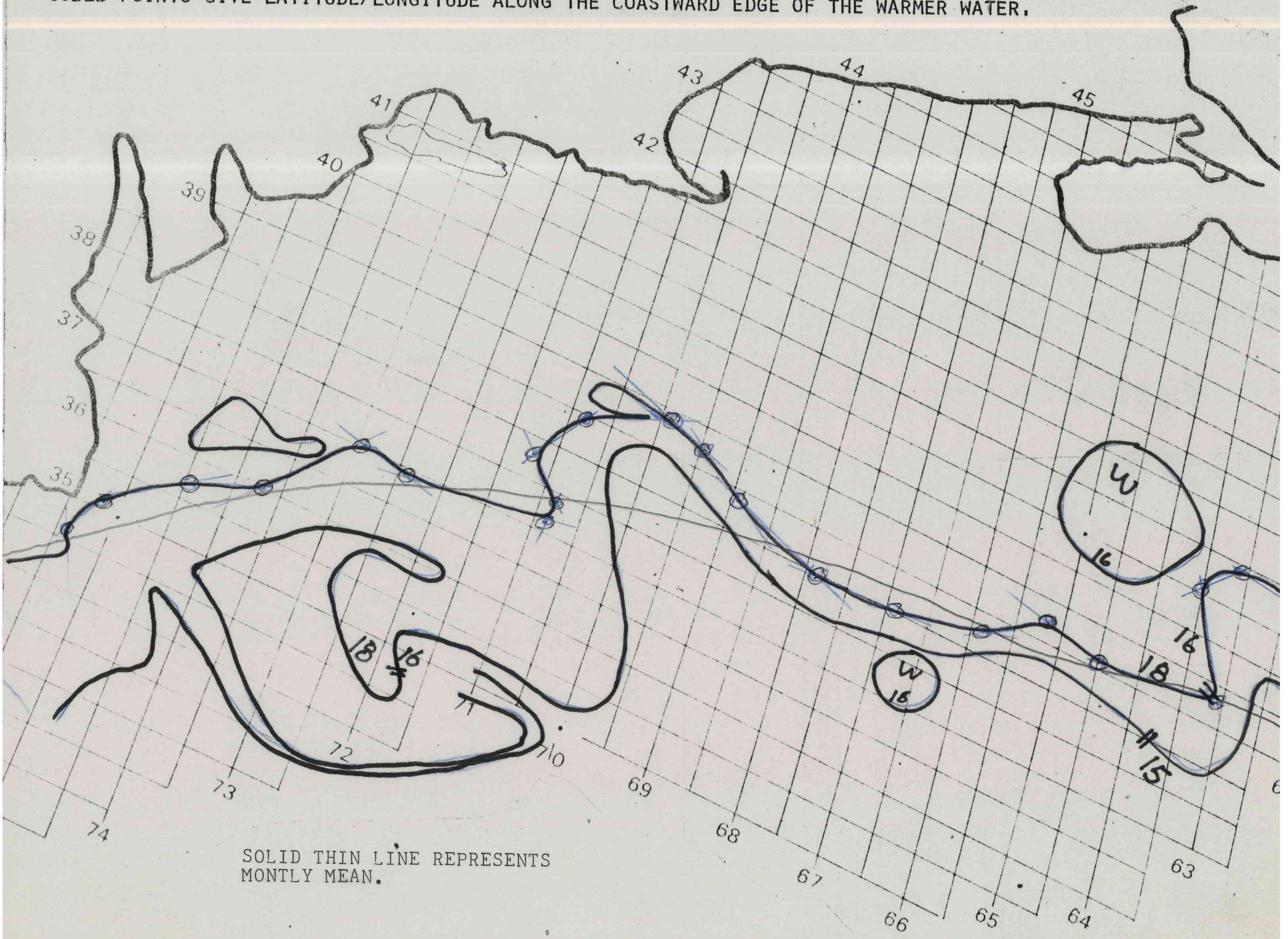
NNNN↓A
ZCZC WBC703
SXNT1 KWBC 182125

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

27.0/79.9	27.7/79.9	28.7/80.2	30.4/80.0
31.2/79.6	31.8/79.5	32.1/78.6	32.4/77.6
32.9/76.9	33.5/76.9	34.4/75.3	34.6/75.4
35.1/75.2	35.7/74.5	36.0/73.7	37.0/73.0
36.9/72.4	37.1/70.9	37.4/70.9	37.8/71.2
38.5/70.8	38.9/69.9	38.7/69.5	38.4/68.9
38.0/67.8	38.0/66.9	38.3/65.8	38.7/65.2

THE MAXIMUM CURRENT OF THE GULF STREAM LIES BETWEEN 10 25KM SEAWARD OF THIS LINE. ANALYSIS DATA 041877

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



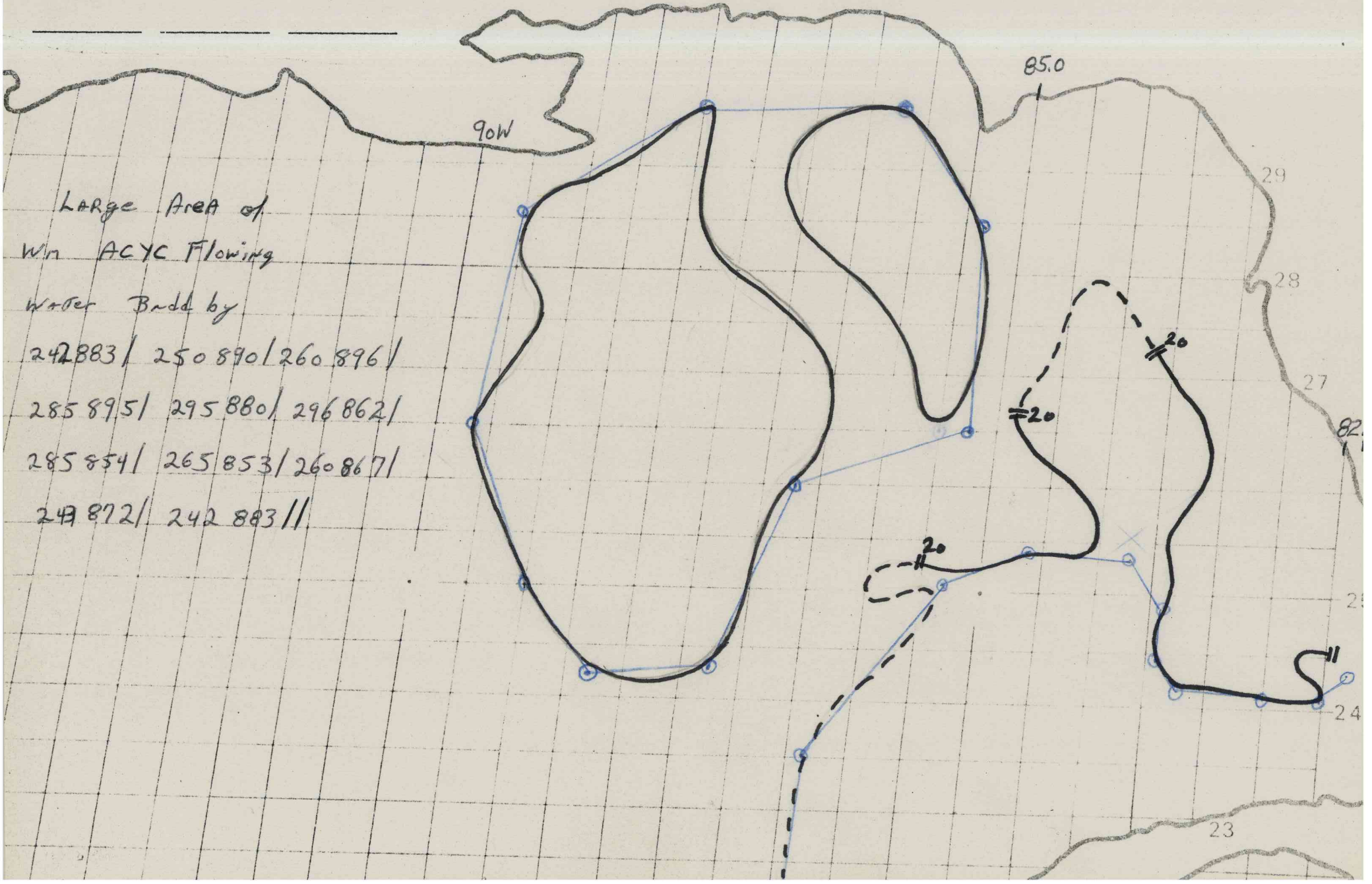
SOLID THIN LINE REPRESENTS
MONTLY MEAN.

MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT: 20 APR 1977 PART A

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

223864 235863 251854 254846 253837 249833 245834 242832 241825 241820
243818 //

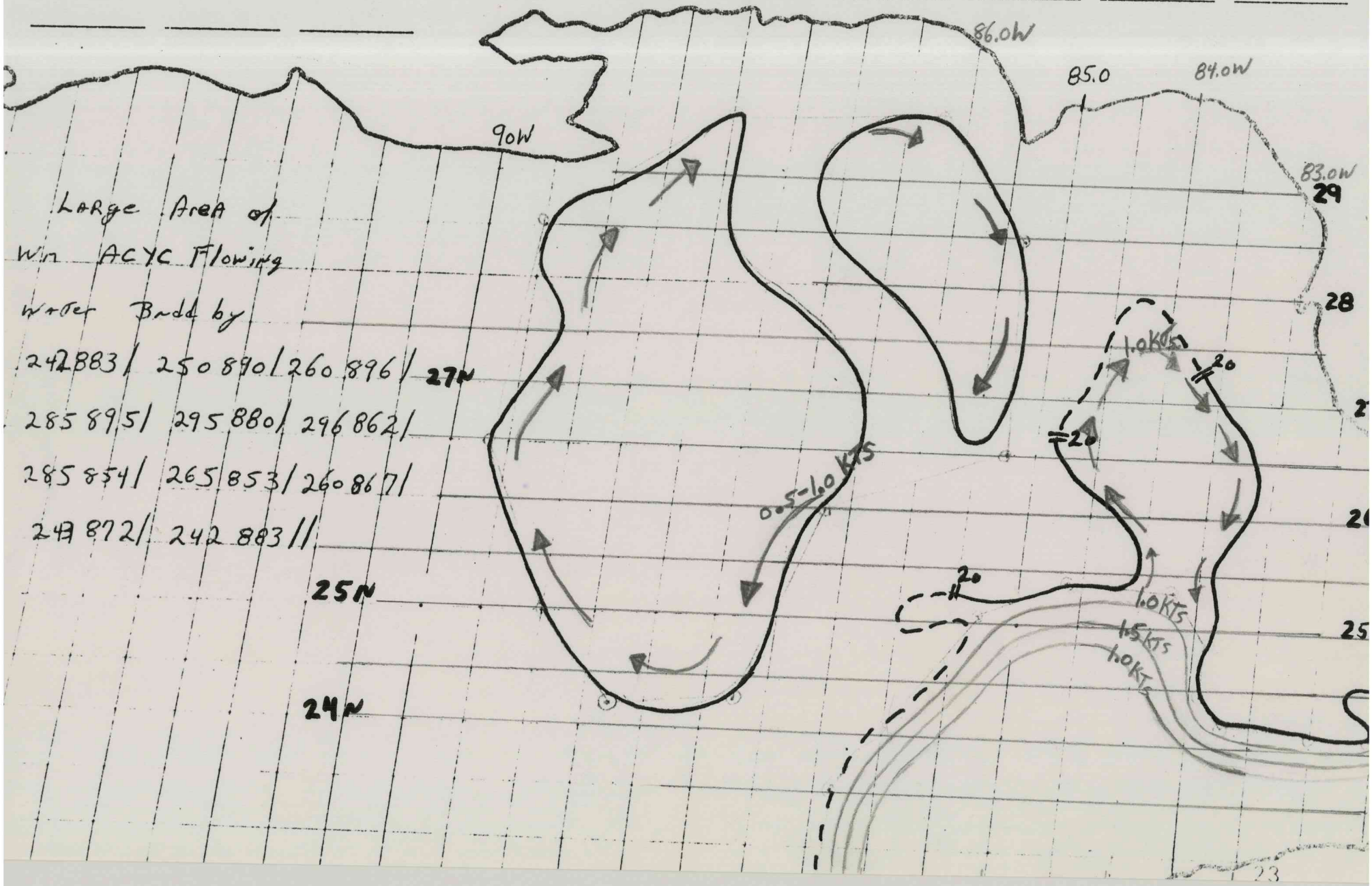
Large Area of
Wm ACYC Flowing
Water Bndd by
242883/ 250890/ 260896/
285895/ 295880/ 296862/
285854/ 265853/ 260867/
247872/ 242883//



MIAMI SPSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT: 20 APR 1977 PART A

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

223 864 235 863 251 854 254 846 253 837 249 833 245 834 242 832 241 825 241 820
243 818 //



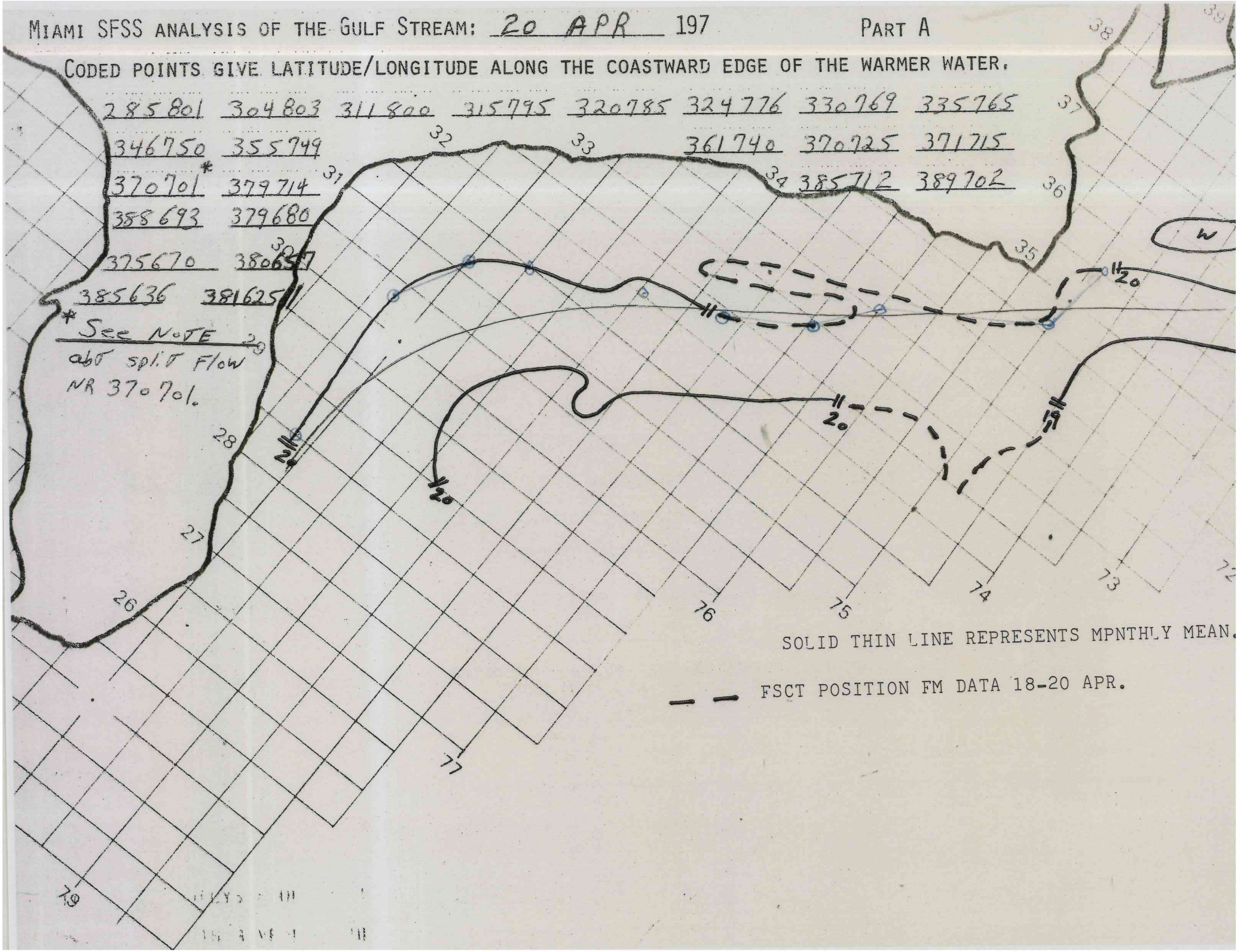
Large Area of
Wm ACYC Flowing
water Bnd by
242 883/ 250 890/ 260 896/
285 895/ 295 880/ 296 862/
285 854/ 265 853/ 260 867/
247 872/ 242 883//

MIAMI SFSS ANALYSIS OF THE GULF STREAM: 20 APR 197 PART A

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

285801 304803 311800 315795 320785 324776 330769 335765
346750 355749 361740 370725 371715
370701* 379714 385712 389702
358693 379680
375670 380657
385636 381625

*See NOTE abt split flow NR 370701.



NNNN↓V

ZCZC
SXNT1 KWBC 222122

GULF STREAM LOCATION

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

27.0/80.0 28.5/80.1 30.4/80.3 31.5/79.5

32.2/78.5 32.4/77.6 33.0/76.9 33.5/76.5

34.6/75.1 35.5/74.9 36.1/74.0 36.8/72.5

37.4/71.9 37.1/70.5 38.0/71.2 38.7/71.0

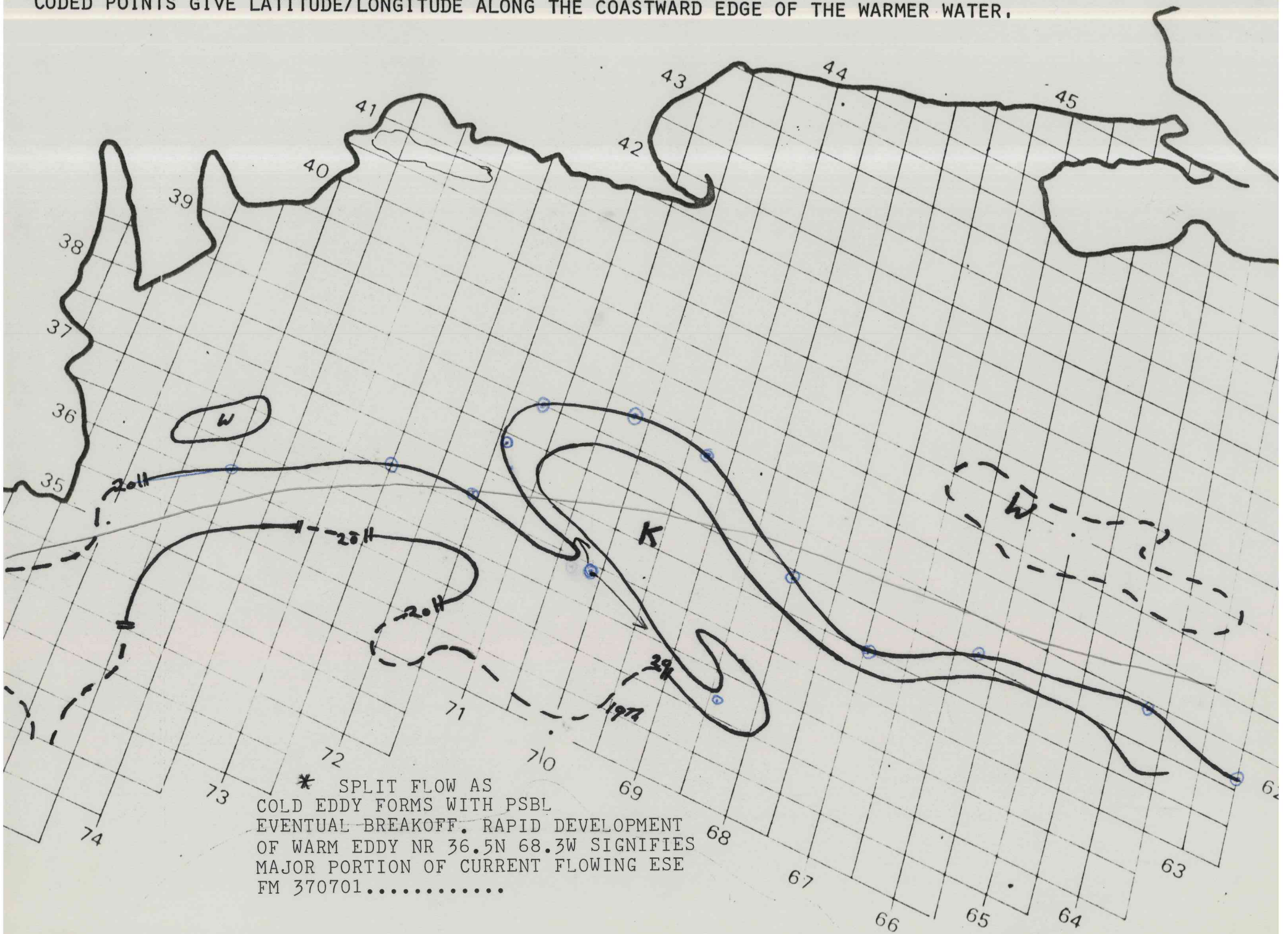
39.0/70.0 38.7/69.0 37.8/67.5 38.4/65.0

THE MAXIMUM CURRENT OF THE GULF STREAM LIES BETWEEN 19 AND 25 KM SEWARD OF THIS LINE. ANALYSIS DATE 04/22/77 AT 2100

NNNN↓MMAKVANVAIVAFV

MIAMI SP33 ANALYSIS OF THE GULF STREAM: 20 APR 1976 PART B

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

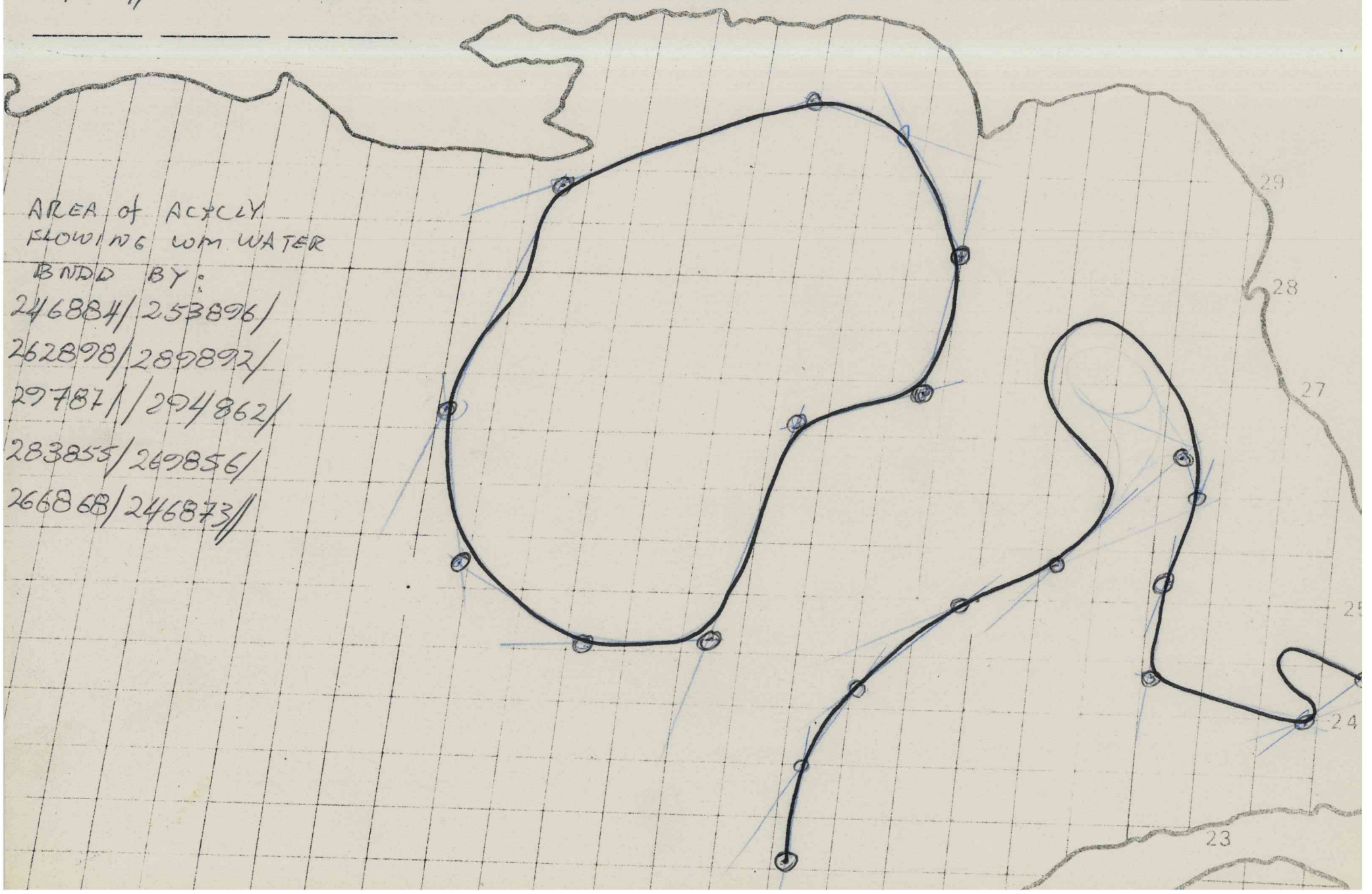


* SPLIT FLOW AS COLD EDDY FORMS WITH PSBL EVENTUAL BREAKOFF. RAPID DEVELOPMENT OF WARM EDDY NR 36.5N 68.3W SIGNIFIES MAJOR PORTION OF CURRENT FLOWING ESE FM 370701.....

MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT: 25 APR 1977 PART A

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

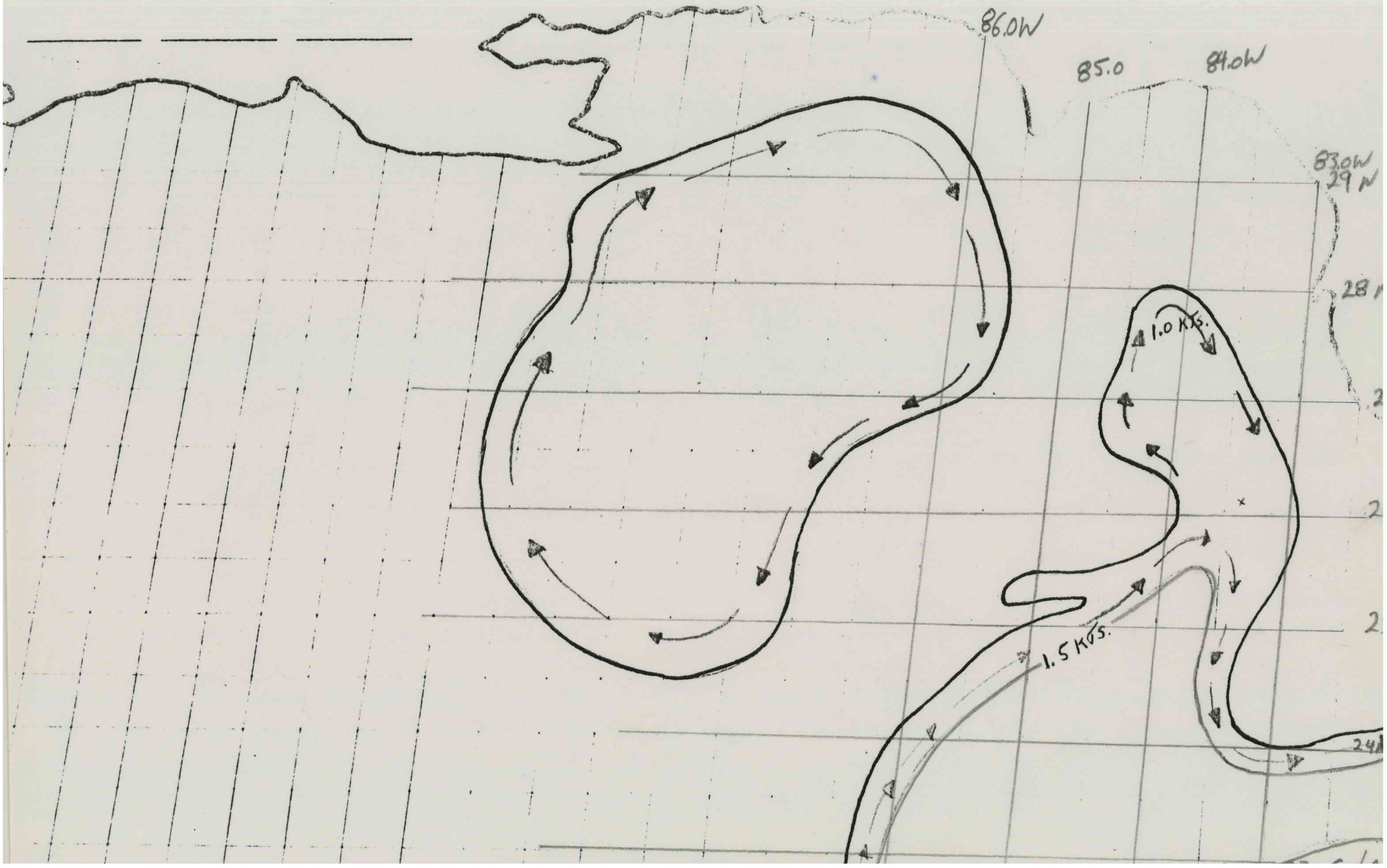
226864 235864 242859 250851 254844 264833 260832 252834 244834 240821
244816//



AREA of ACTCLY FLOWING WM WATER BNDD BY:
246884/253896/
262898/289892/
297871//294862/
283855/269856/
266868/246873//

MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT: 25 APR 1977 (Fsct.) PART A

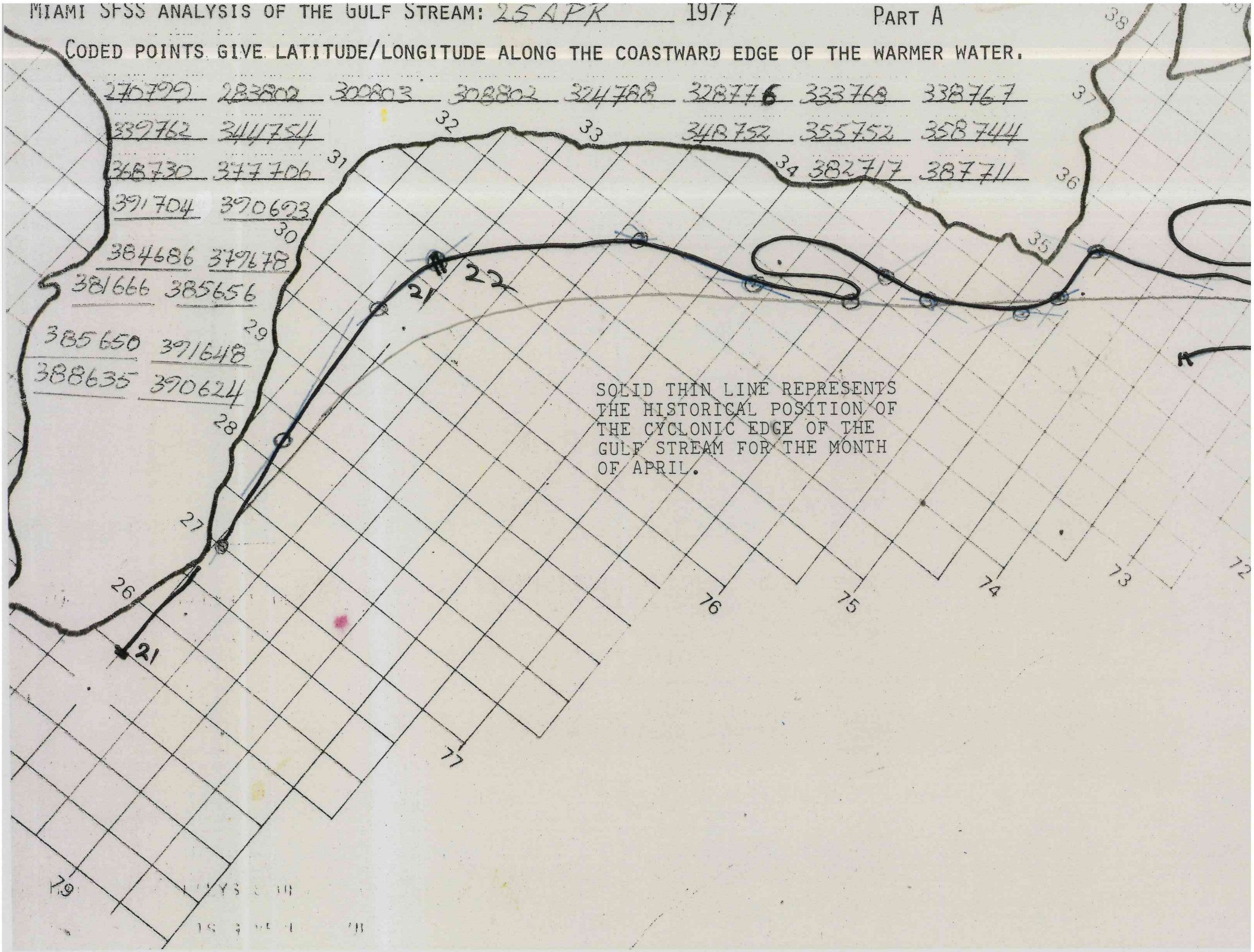
CODED POINTS GIVE LATITUDE/LONGITUDE ALONG THE COASTWARD EDGE OF THE WARMER WATER.



MIAMI SFSS ANALYSIS OF THE GULF STREAM: 25 APR 1977 PART A

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

270799 283802 300803 308802 324788 328776 333768 338767
339762 344754 348752 355752 358744
368730 377706 382717 387711
391704 390623
384686 379678
381666 385656
385650 391648
388635 390624



WNNN↓

ZCZC
SXNT1 KWBC 252015

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

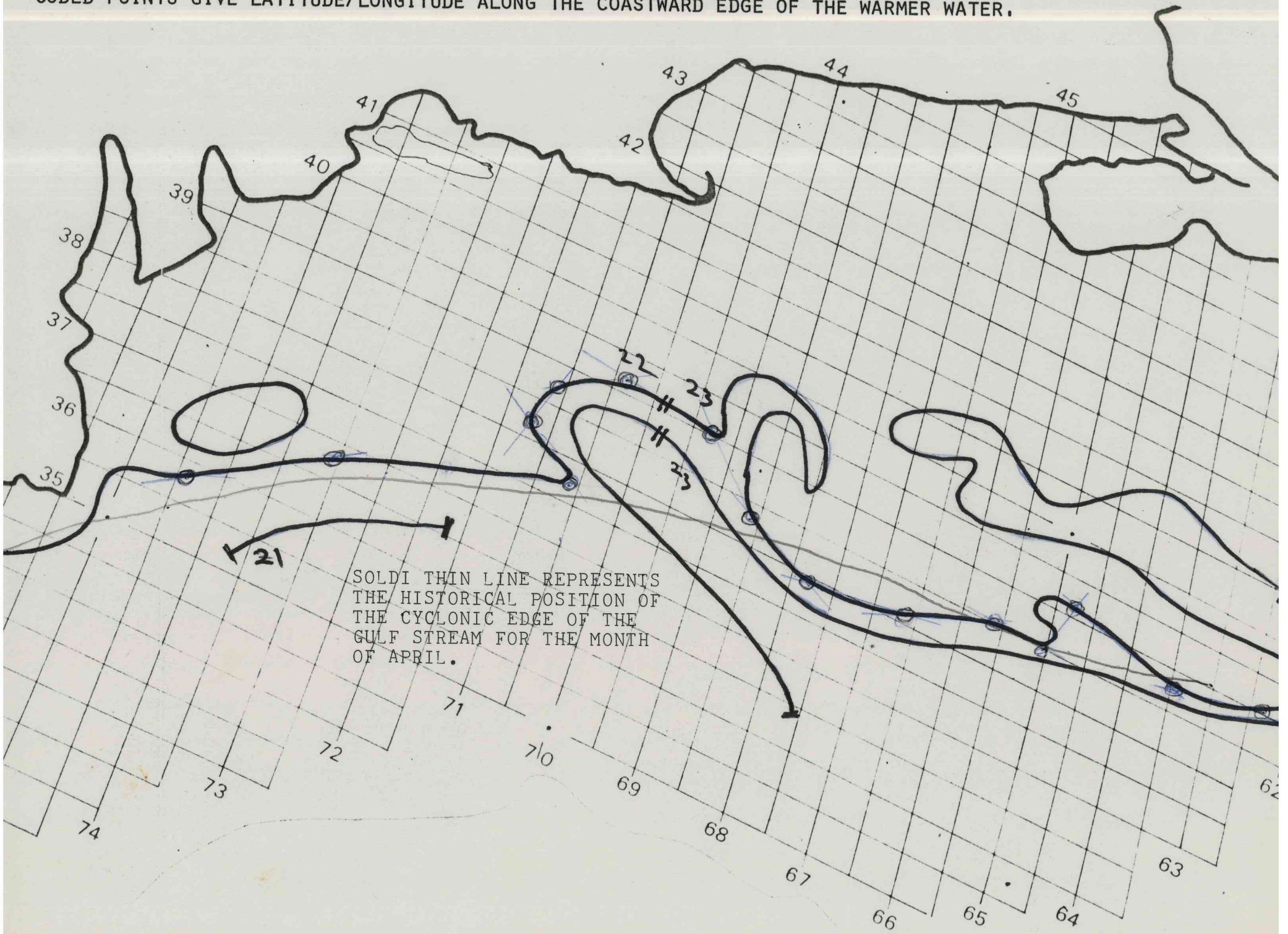
27.0/80.0	28.6/79.9	29.5/80.1	30.3/80.1
31.3/79.7	31.9/79.0	32.1/77.9	33.3/76.8
33.8/76.7	33.9/76.2	34.4/75.4	34.8/75.2
35.5/75.2	35.8/74.4	36.8/73.0	37.7/70.6
38.2/71.7	38.7/71.1	39.1/70.4	39.0/69.3
38.4/68.6	37.9/67.8	38.1/66.6	38.5/65.6

THE MAXIMUM CURRENT OF THE GULF STREAM LIES BETWEEN 19 25KM SEAWARD OF THIS LINE. ANALYSIS DATE 04/25/77

.....

ANNUAL CYCLE ANALYSIS OF THE GULF STREAM: 25 APR 1974 PART B

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



SOLDI THIN LINE REPRESENTS THE HISTORICAL POSITION OF THE CYCLONIC EDGE OF THE GULF STREAM FOR THE MONTH OF APRIL.

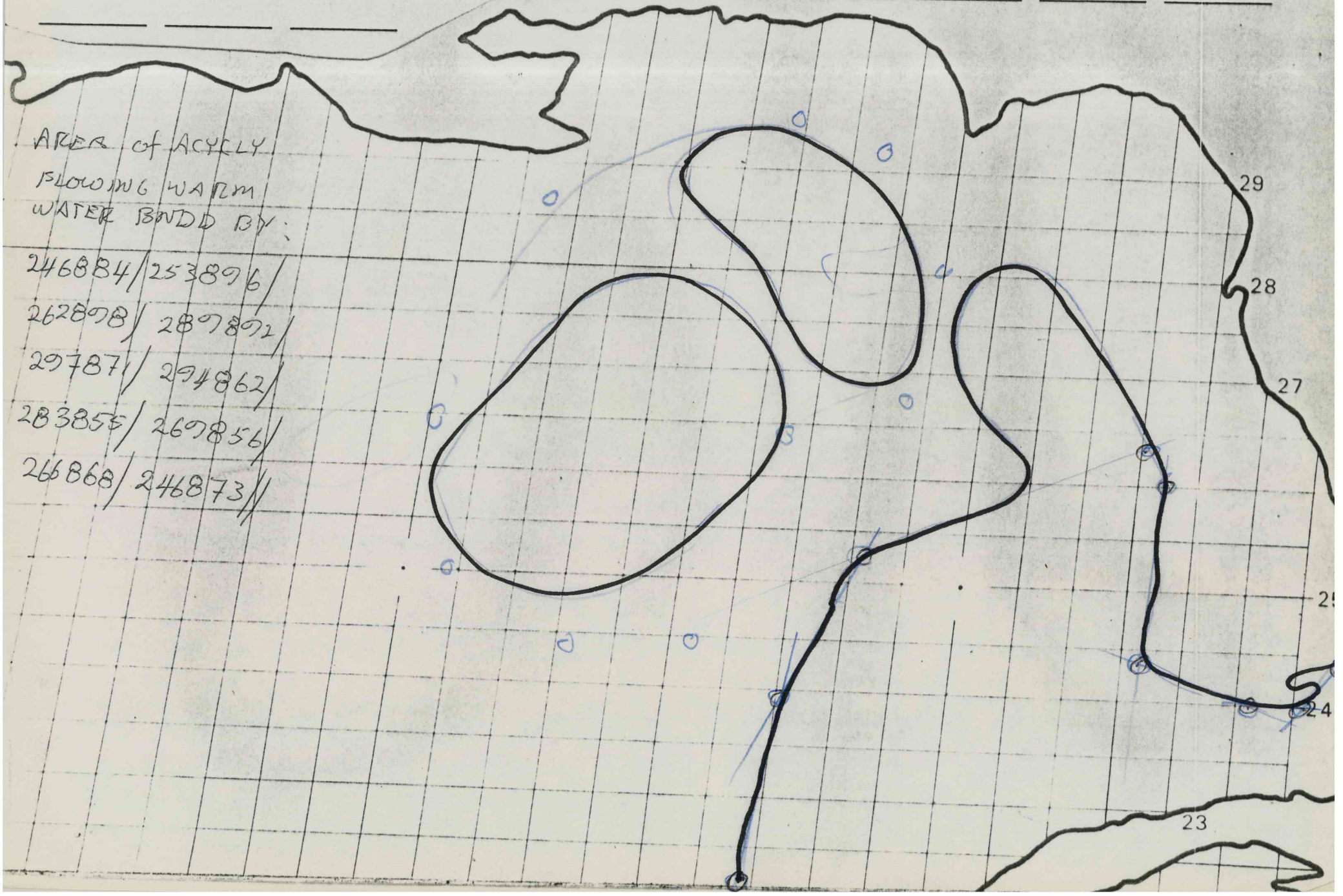
PART A

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

222866 239865 253859 264835 260832 244834 240824 240819 244816//

AREA of ACTIVELY FLOWING WARM WATER BOUND BY:

246884/253896/
262898/280892/
29787/294862/
283855/260856/
266868/246873//

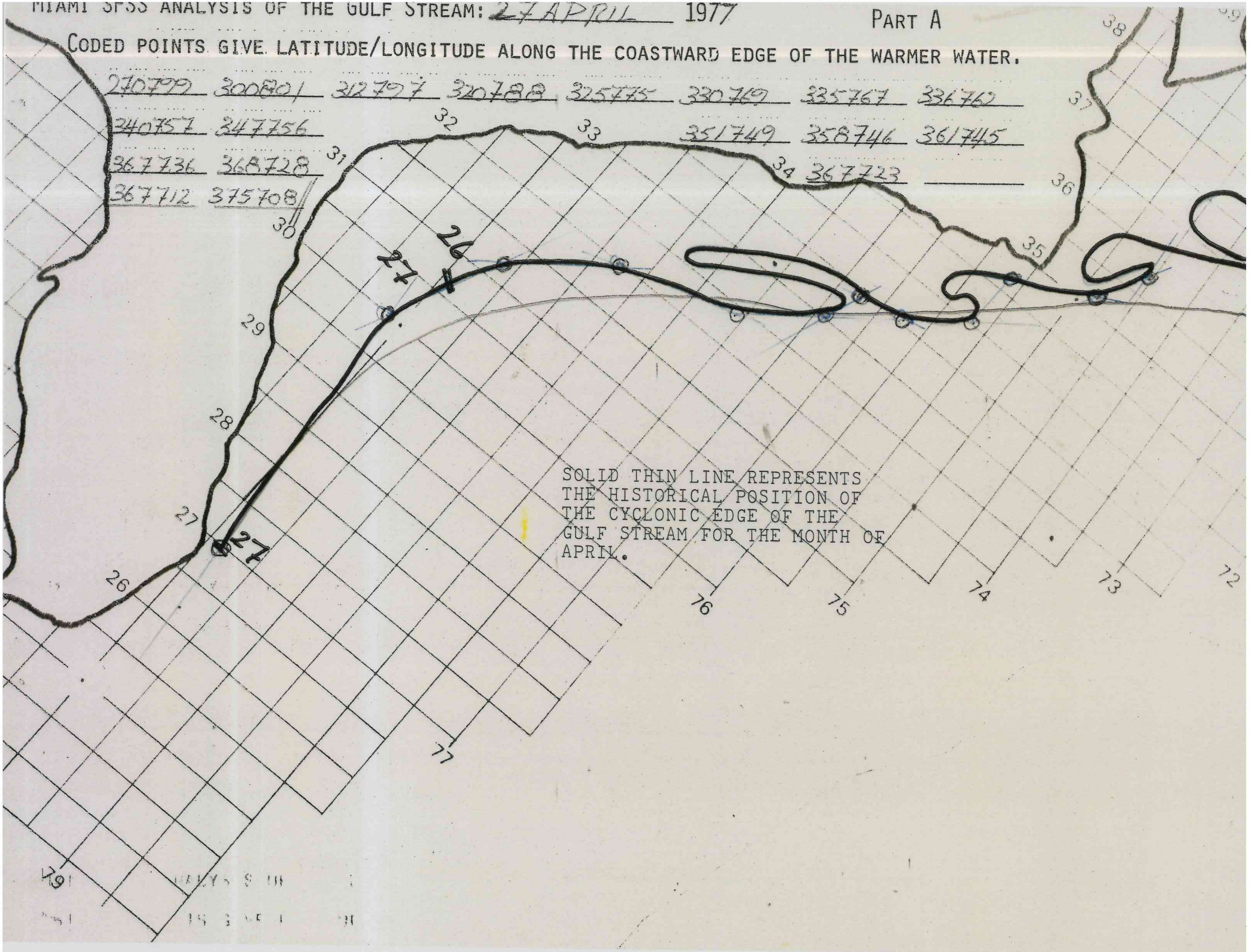


MIAMI SPSS ANALYSIS OF THE GULF STREAM: 27 APRIL 1977

PART A

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

270799	300801	312797	320788	325775	330769	335767	336762
340757	347756				351749	358746	361745
367736	368728						
367712	375708				367723		



NNNN↓A
ZCZC WBC478
SXNT1 KWBC 272020

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

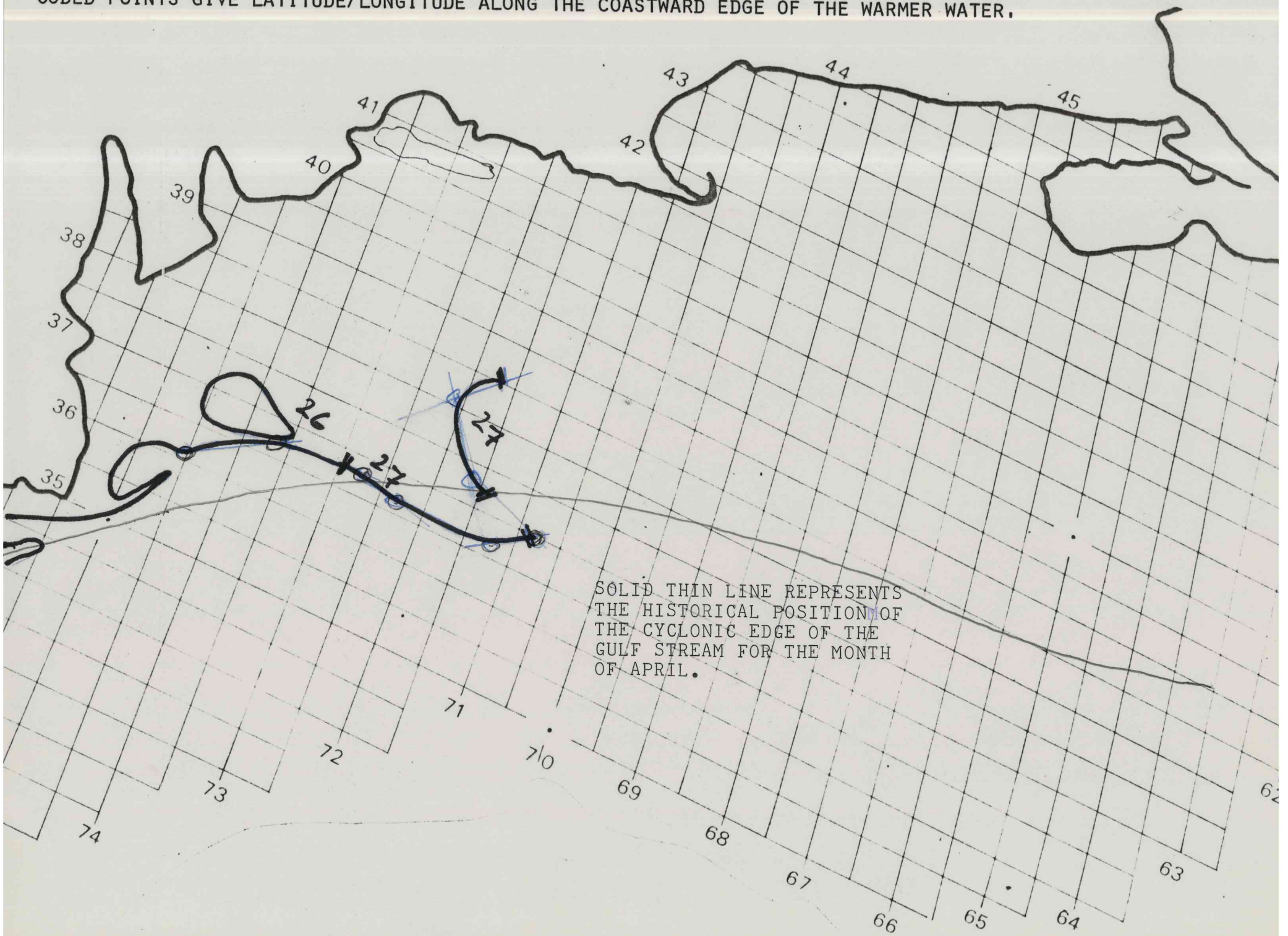
27.0/79.9	28.0/79.9	30.0/80.2	30.8/80.0
31.2/79.7	32.0/78.8	32.5/77.5	33.0/76.9
33.5/76.7	33.6/76.2	34.0/75.7	34.7/75.6
35.1/74.9	35.8/74.6	36.1/74.5	36.7/73.6
36.8/72.8	36.7/72.3	36.7/71.2	37.5/70.8

THE MAXIMUM CURRENT OF THE GULF STREAM LIES BETWEEN 19 - 25 KM SEAWARD OF THIS LINE. ANALYSIS DATE..04/27/77 2100Z

NNNN

PART B

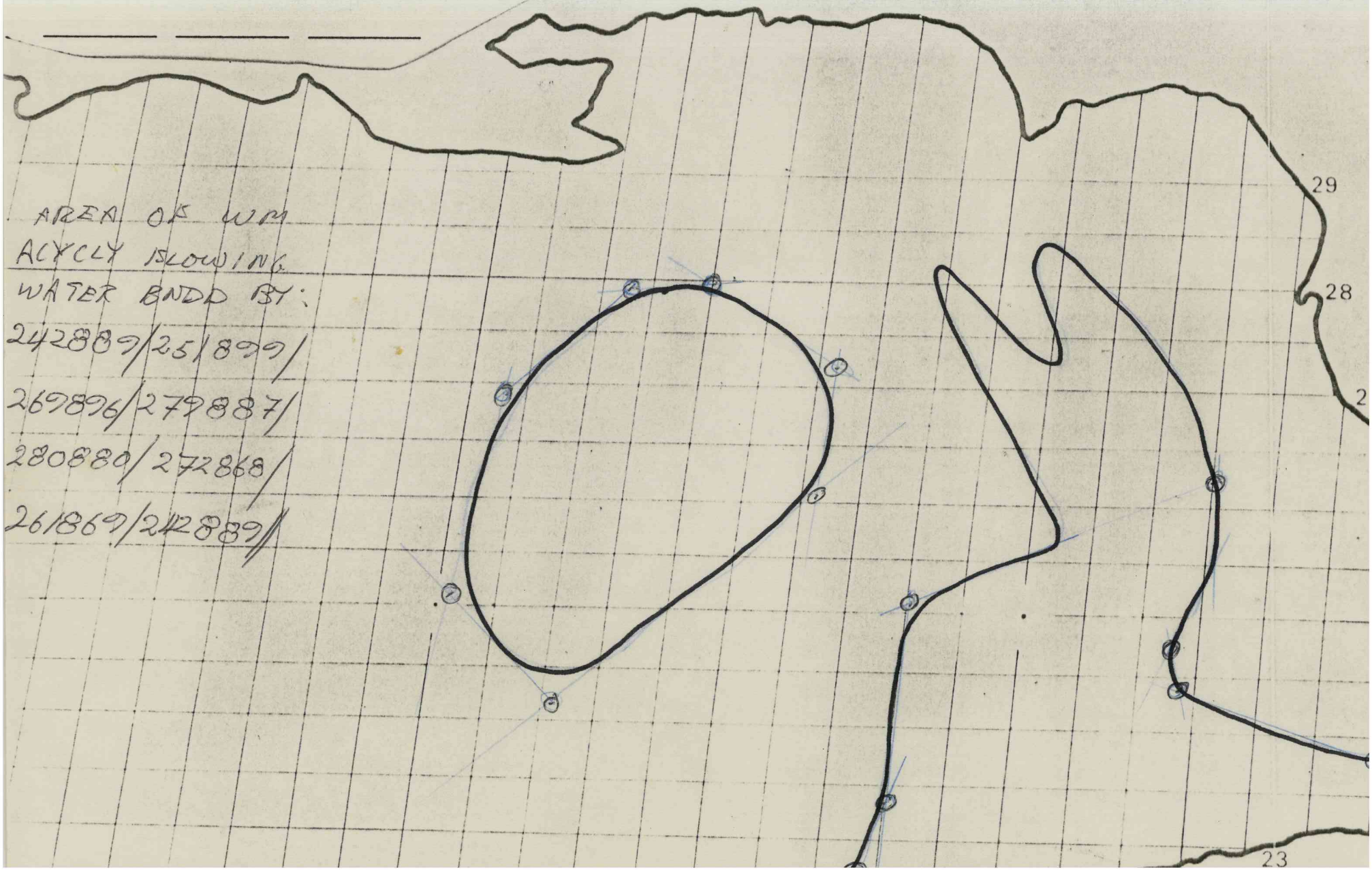
CODED POINTS GIVE LATITUDE/LONGITUDE ALONG THE COASTWARD EDGE OF THE WARMER WATER.



MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT: 29 APR 1977 PART A

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

227867 234860 251860 262835 247837 244836 239820//

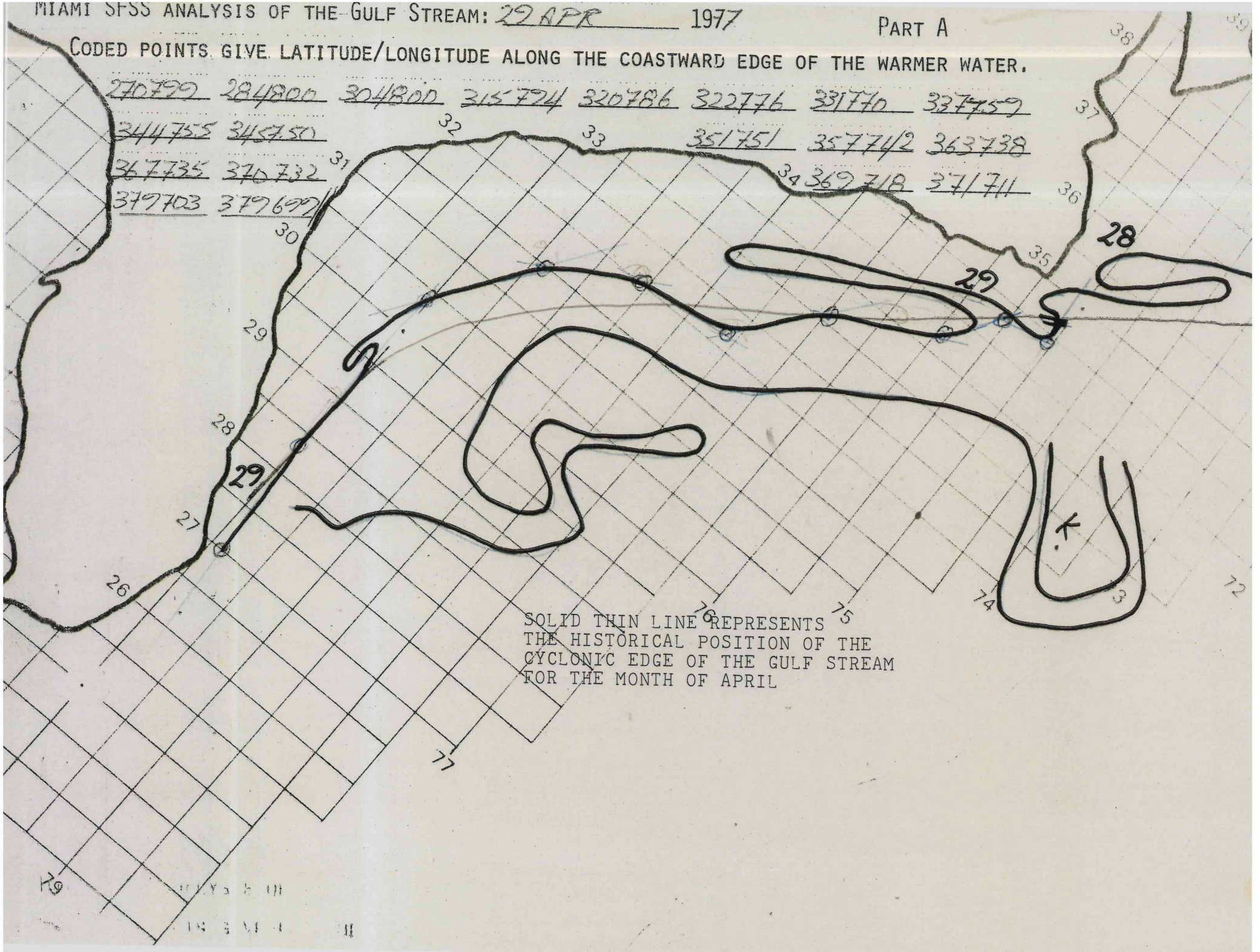


AREA OF WM
ACYCLY FLOWING
WATER BNDD BY:
242889/251899/
269896/279887/
280880/272868/
261869/242889//

MIAMI SFSS ANALYSIS OF THE GULF STREAM: 29 APR 1977 PART A

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

270799 284800 304800 315794 320786 322776 331770 337759
344755 345750 351751 357742 363738
367735 370732 369718 371711
379703 379697



V

ZCZC
SXNT1 KWBC 291940

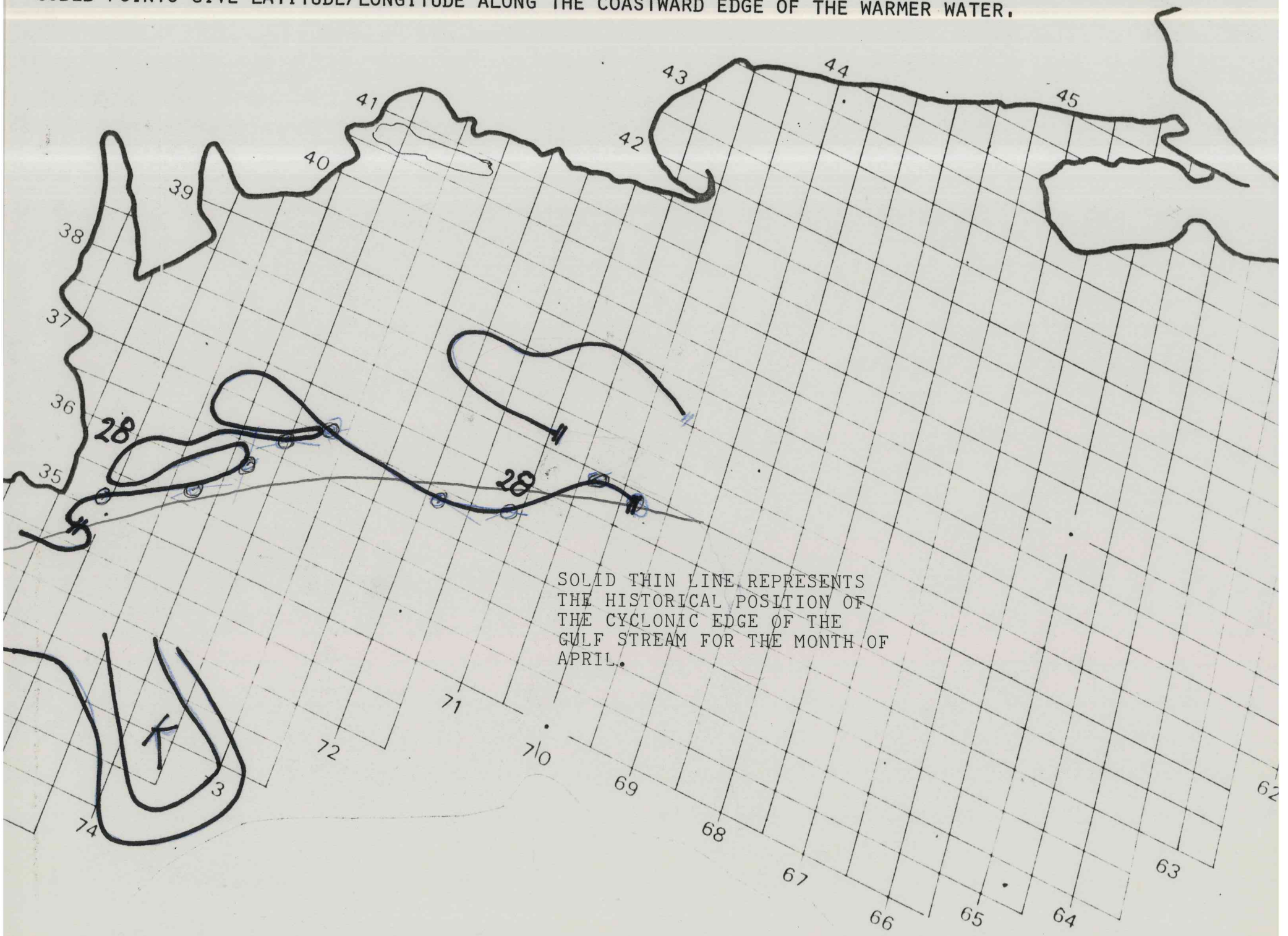
GULF STREAM LOCATION † THE LINE DESCRIBED BY THE FOLLWING
SEQUENCE OF POINTS REPRESENTS THE WEST WALL OF THE GULF STREAM

27.0/79.9 29.0/80.1 30.1/80.1 31.7/79.6
32.1/78.6 32.3/77.6 33.1/77.0 33.7/76.4
34.2/76.0 34.2/75.2 34.5/75.0 35.4/75.0
36.0/74.1 36.7/73.7 36.7/71.4 38.2/70.2
38.4/69.4
THE MAXIMUM CURRENT OF THE GULF STREAM LIES BETWEEN 19†25KM
SEAWARD OF THIS LINE. ANALYSIS DATE 04/29/77 AT 1930

NNNN

...ANALYSIS OF THE GULF STREAM: APRIL 197? PART B

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



NOTE TO USER - 1977

To ensure the best reproduction of original source material the following dates have been rescanned at a larger page size to avoid cutting off the top and side edges when scanned at 81/2” x 11”. When printing the rescanned pages please select 11”x 17” or larger for full size reproduction.

Appended find:

January, 1977

February, 1977

March, 1977

April, 1977

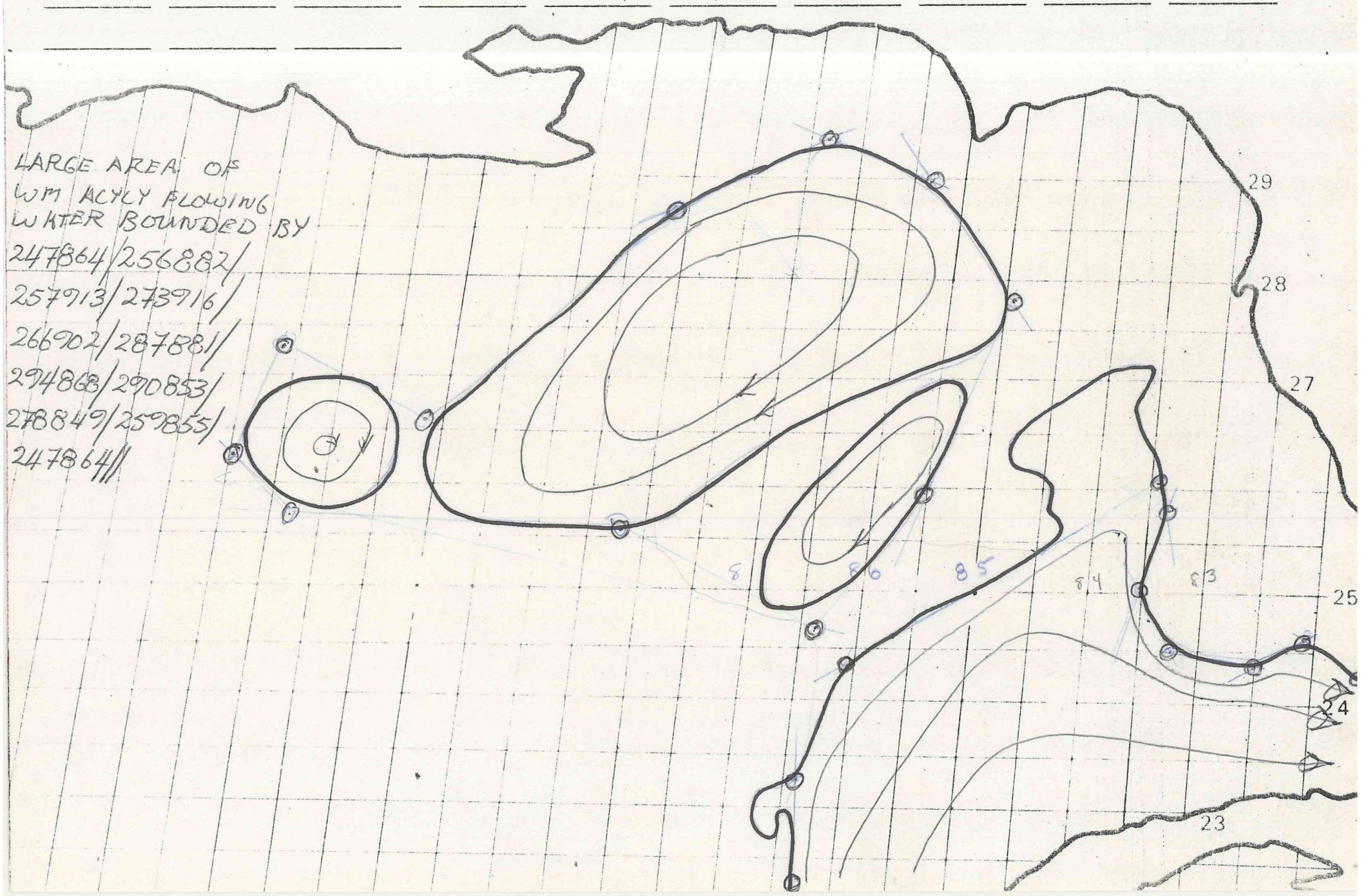
May, 1977

June, 1977

MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT: 01 APR 1977 PART A

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

223868 233869 244861 261834 258833 250835 245832 244825 246821 243816//

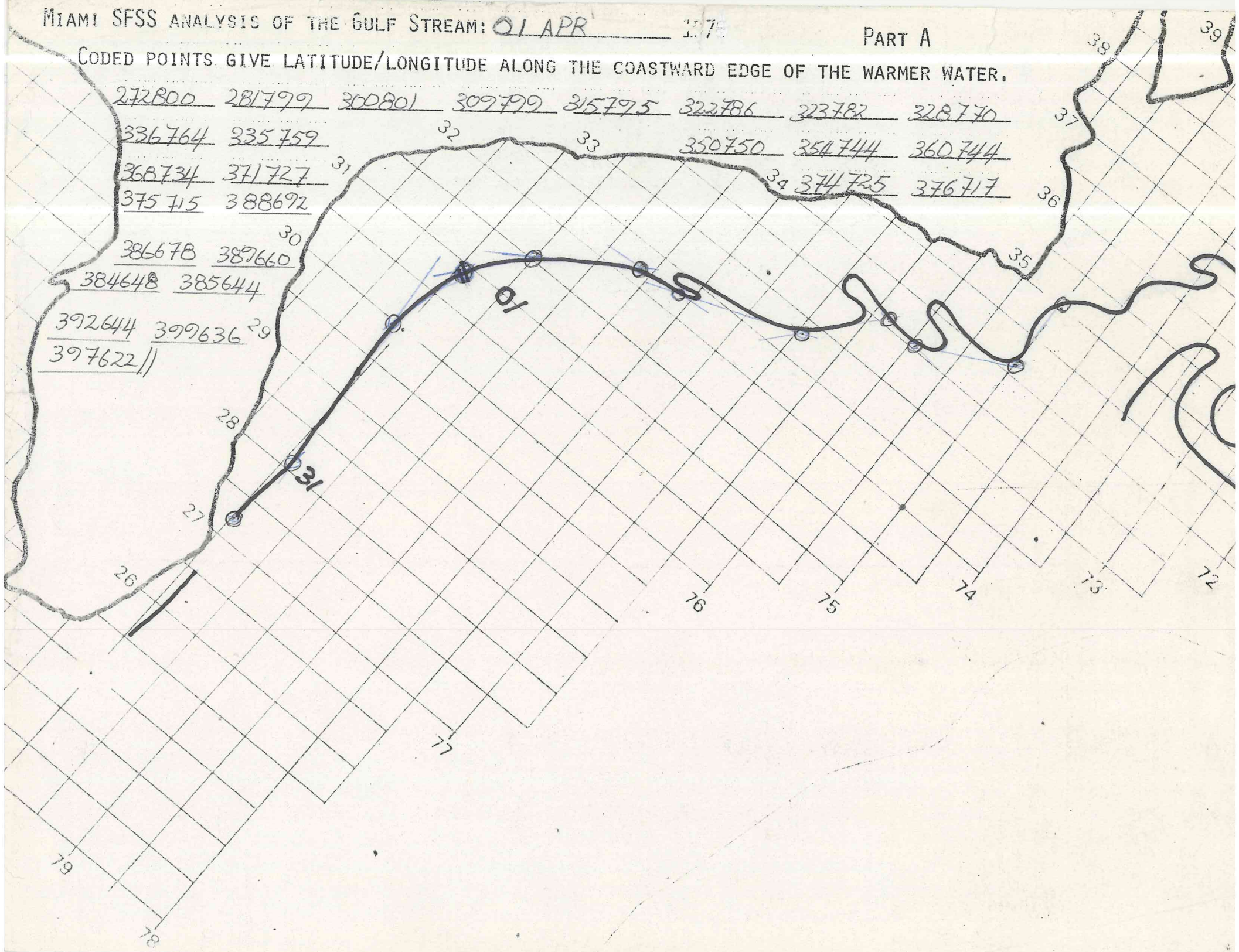


MIAMI SFSS ANALYSIS OF THE GULF STREAM: 01 APR 1976

PART A

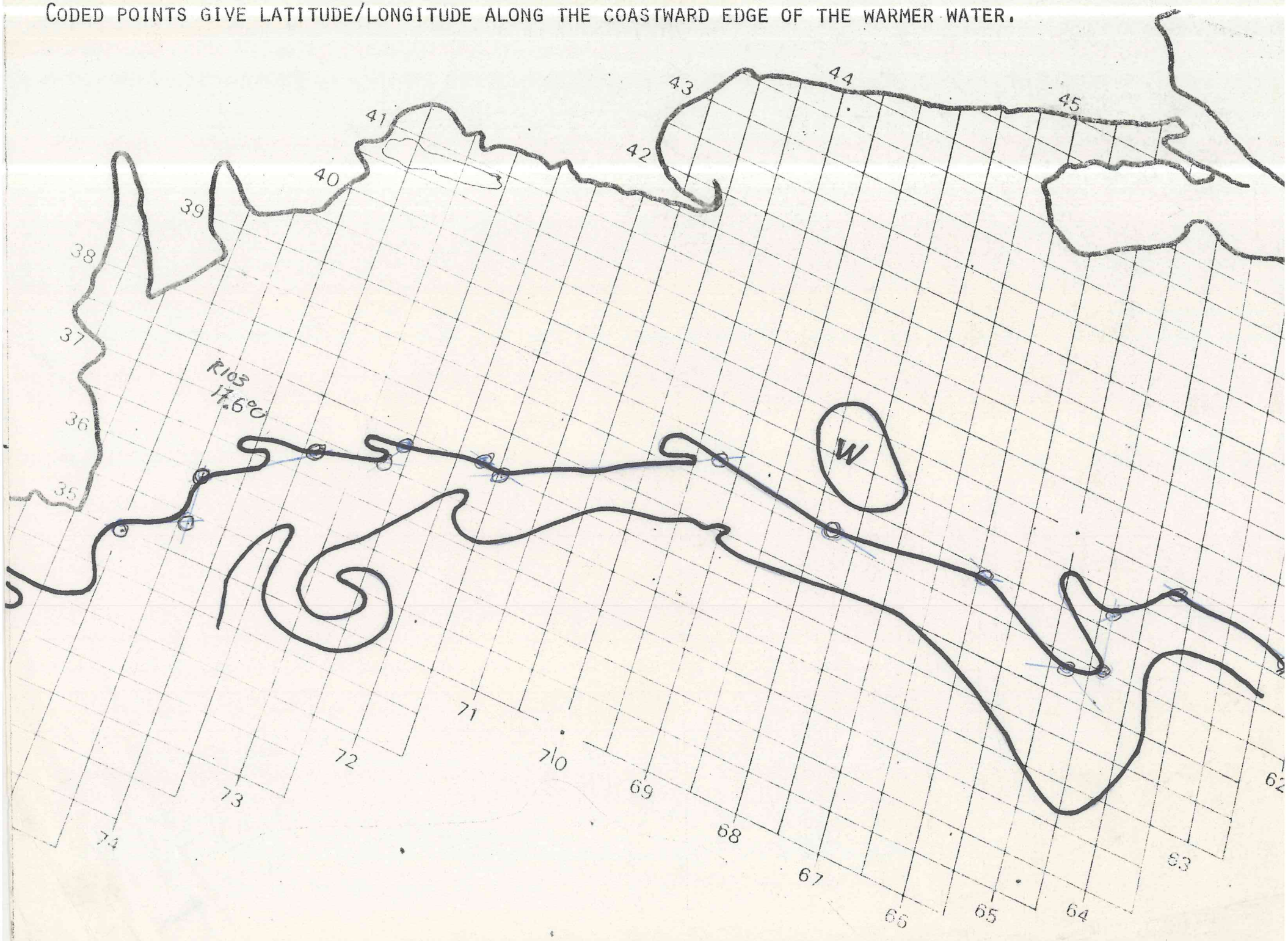
CODED POINTS GIVE LATITUDE/LONGITUDE ALONG THE COASTWARD EDGE OF THE WARMER WATER.

272800 281799 300801 309799 315795 322786 323782 328770
336764 335759 350750 354744 360744
368734 371727 374725 376717
375715 388692
386678 389660
384648 385644
392644 399636
397622 //



MIAMI SFSS ANALYSIS OF THE GULF STREAM: OLAP R 1977 PART B

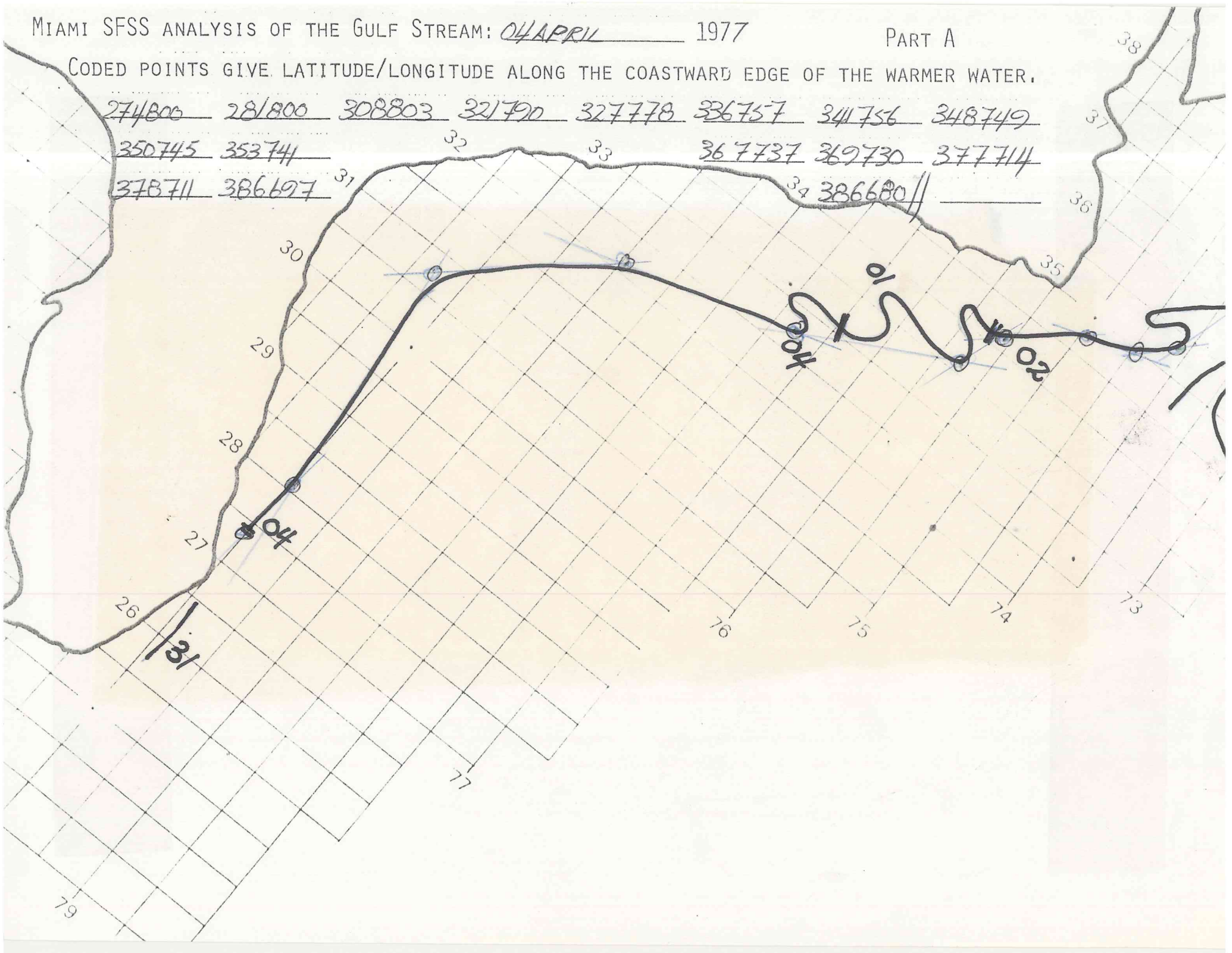
CODED POINTS GIVE LATITUDE/LONGITUDE ALONG THE COASTWARD EDGE OF THE WARMER WATER.



MIAMI SFSS ANALYSIS OF THE GULF STREAM: 04 APRIL 1977 PART A

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

274800 281800 308803 321790 327778 336757 341756 348749
350745 353741 367737 369730 377714
378711 386697 386801



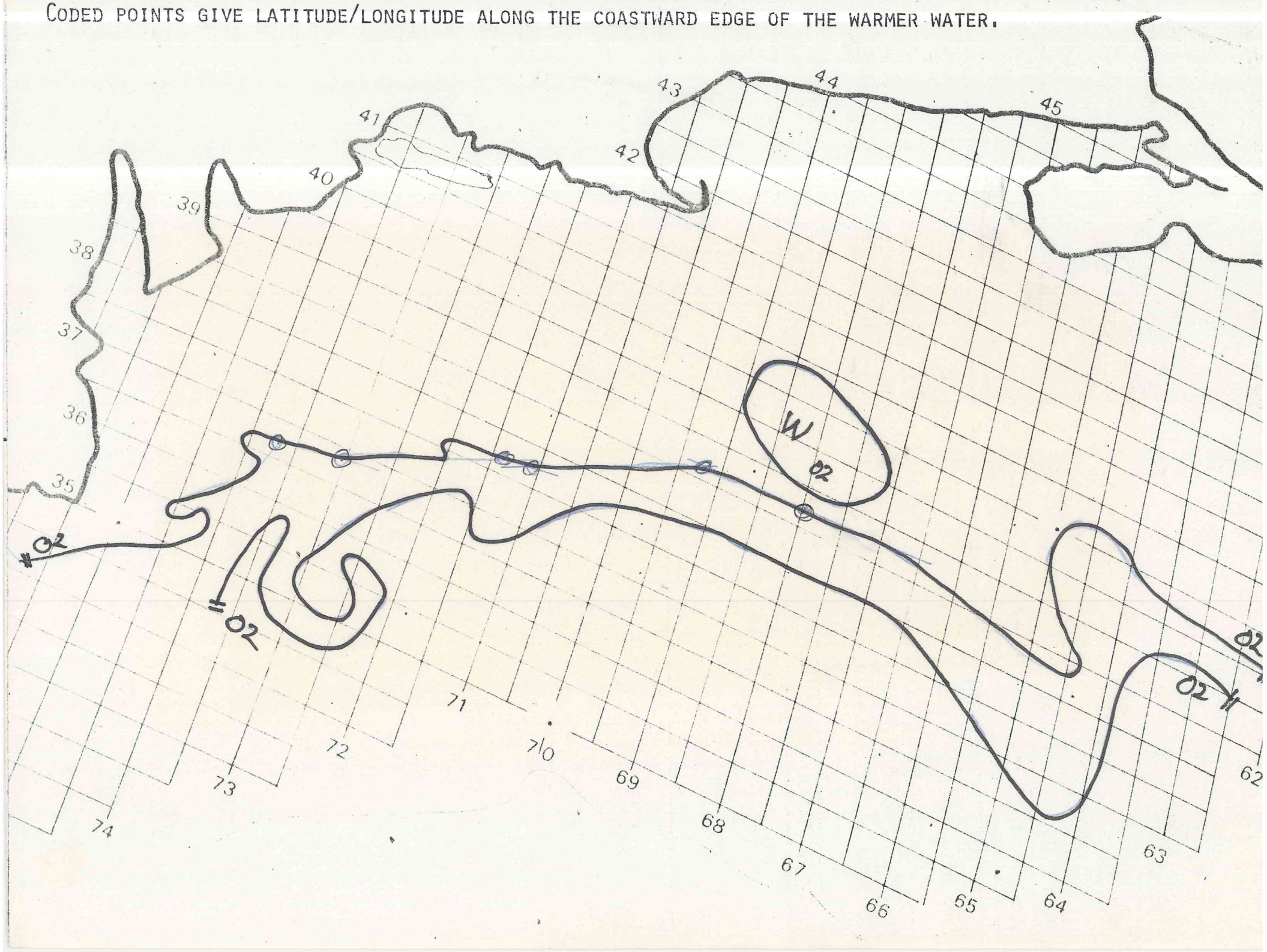
ZCZC WBC594
SXNT1 KWBC 042120
GULF STREAM LOCATION- THE LINE DESCRIBED BY THE FOLLOWING
SEQUENCE OF POINTS REPRESENTS THE WEST WALL OF THE GULF STREAM.

27.2/80.0	28.1/79.9	30.0/80.1	30.9/79.9
31.5/79.5	32.2/78.0	32.3/77.3	32.8/77.0
33.2/76.3	33.8/75.6	34.9/75.3	35.4/74.9
36.0/74.8	36.5/73.9	37.0/73.0	37.6/72.1
37.8/70.5	38.3/69.6	38.1/67.7	38.3/66.3
37.7/64.6			

THE MAXIMUM CURRENT OF THE GULF STREAM LIES BETWEEN 19-25KM
SEAWARD OF THIS LINE. ANALYSIS DATE 04/04/77

MIAMI SFSS ANALYSIS OF THE GULF STREAM: 04 APR 1977 PART B

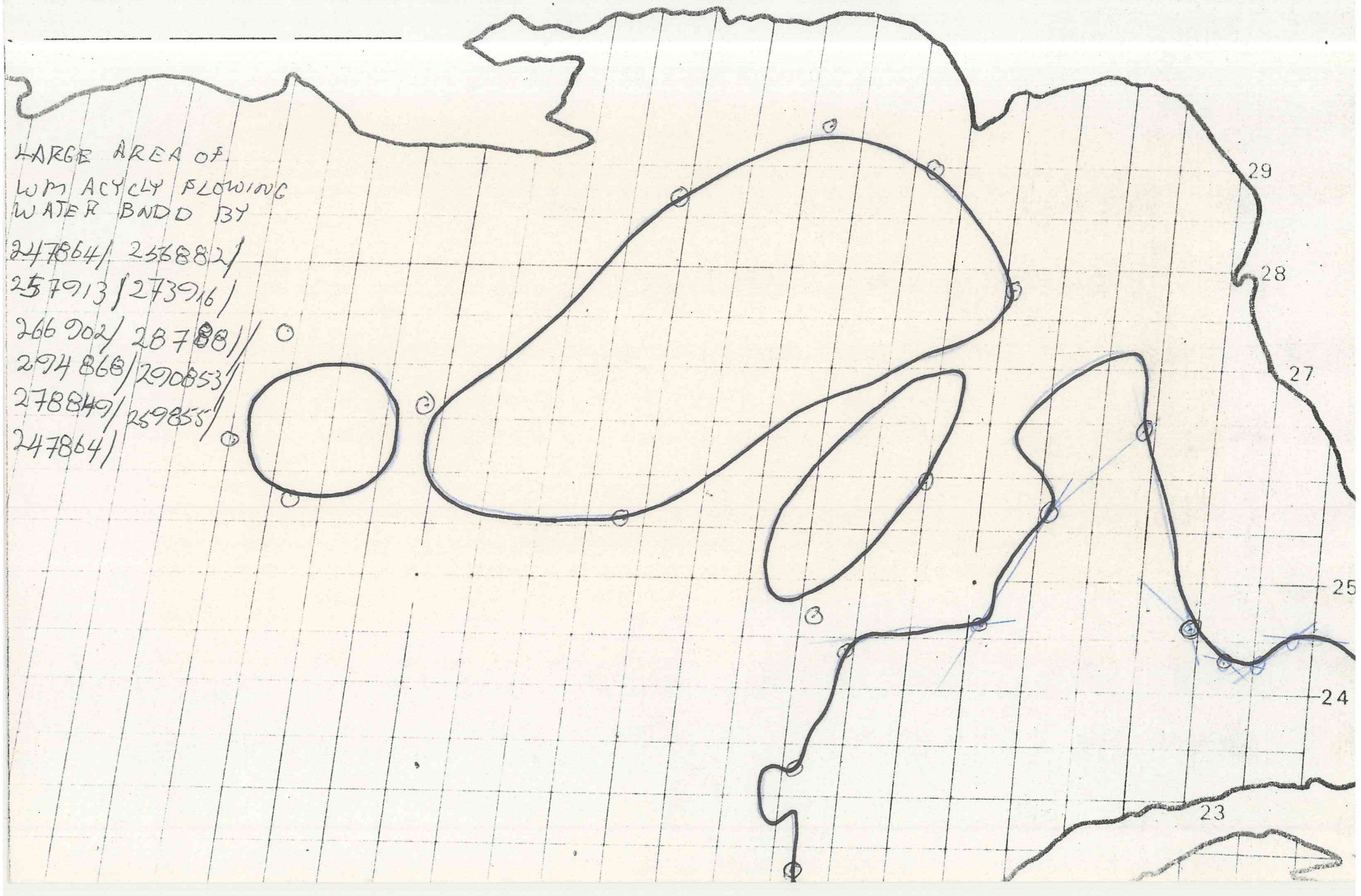
CODED POINTS GIVE LATITUDE/LONGITUDE ALONG THE COASTWARD EDGE OF THE WARMER WATER.



MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT: 06APR 7 1977 ~~4Apr77~~ ? PART A

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

223868 233862 244861 246849 257844 261836 246831 243828 243825 245822



LOOP CURRENT DISCUSSION

07APRIL77

IF THE FINGER OF COLD WATER REACHING SOUTH FROM THE MISSISSIPPI DELTA IS A DEEP FEATURE, WE MAY BE SEEING HOW THE LARGE ACYC WM EDDY IS BROKEN UP INTO A MORE CIRCULAR FEATURE. NUMEROUS SMALL, WARM, EDDIES SHOW UP IN THE EXCELLENT IMAGERY OF THE PAST TWO DAYS. THE LOOP CURRENT ITSELF CONTINUES TO PROTRUDE NORTHWARD ALONG THE SHELF BREAK WEST OF FMY.

11 April/77

We now can see that the warm eddy has broken into two portions, one near the Florida shelf and the other centered near 26N88W. the latter feature is the usual warm eddy seen from many previous loop cut-offs. The former portion near the Florida shelf is probably not as deep as the larger feature. Numerous smaller warm features exist west of 90W.

13 APRIL

LITTLE CHANGE IN LOOP CURRENT AND LARGE EDDY CONFIGURATION WITH SOME SHARPENING OF LOOP CURRENT AMPLITUDE NR 27.3 N 84.3W. ANALYSIS COMPRISED OF SEGMENTS OF 12 AND 13 APRIL ANALYSIS..

15 April 77

ltl chg noted past two days. Analysis based mstly on progged positions noted on 13/14.

18 April 77

Only bits and pieces of new data in today's analysis.

19 APRIL 77

SOME MORE BITS AND A FEW LESS PIECES OF LOOP CURRENT. MAJOR PORTION AGREES WITH BAIGC PRINTOUT.. LITTLE CHANGE IN LARGE ACYC AREA WITH NO NEW DATA.

22 APRIL 1977

ANALYSIS BASED ON LAST DATA RECEIVED WHICH OCCURRED ON 20 APRIL 1977. (KOP)

25 APRIL 77

NO NEW DATAZTODAY. ANALYSIS BASED ON FORECAST MOVEMENT OF FEATURES.

27 APRIL 77

ONLY BITS AND PIECES, BUT THEY INDICATE FORECAST WAS VERY GOOD.

29 APRIL 77

SITUATION LITTLE CHANGED FROM 27 APRIL.

02 MAY 77

ALL FEATURES NEARLY STATIONARY PAST THREE DAYS.

04 MAY 77

HEAVY CLOUD COVER PRECLUDES ANY NEW DATA.

06 MAY 77]

NO NEW DATA 05-06 MAY.

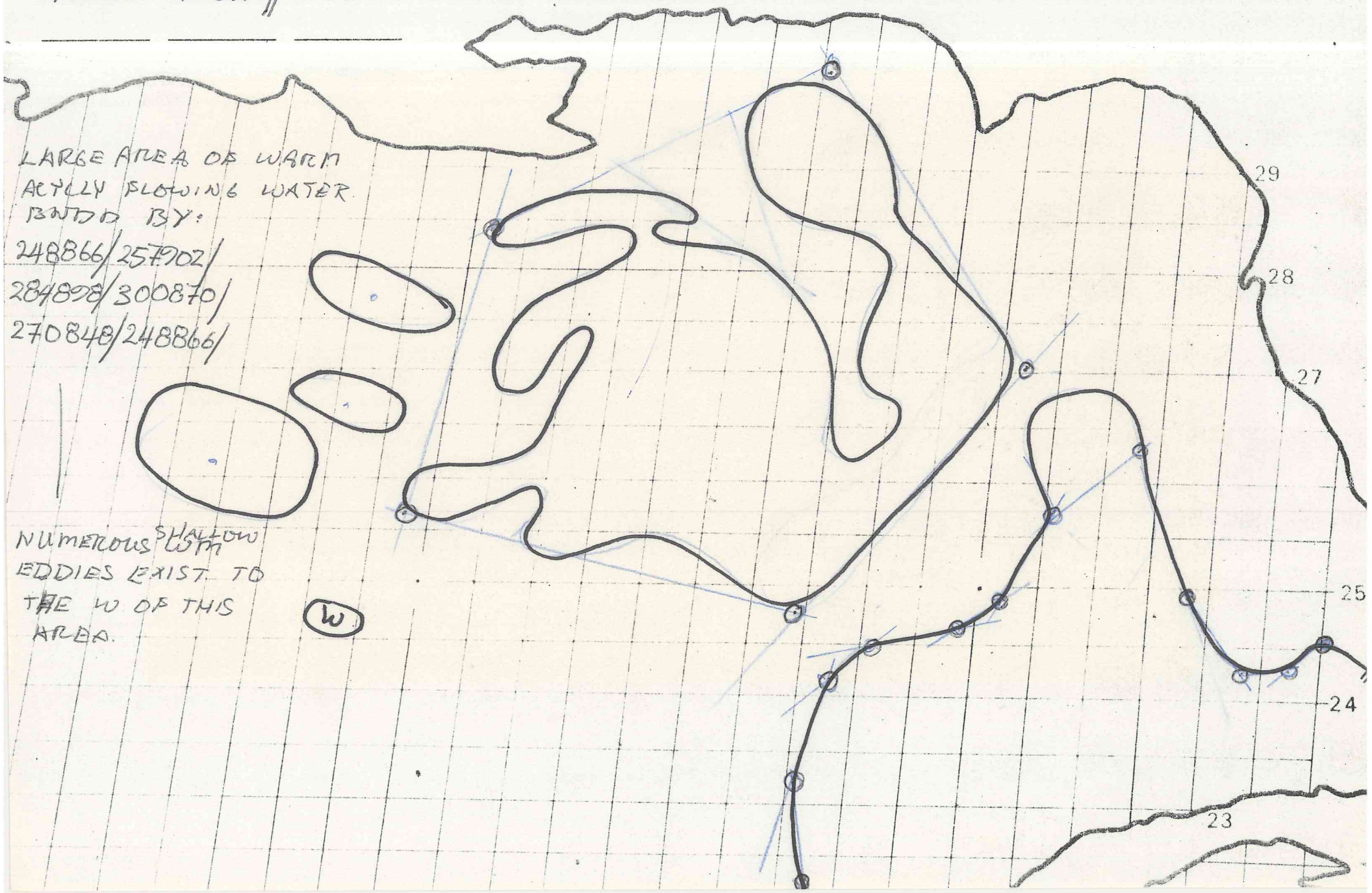
09 MAY 77

WEAK THERMAL GRADIENT AND EXTSV CLOUDINESS PREVENTS A RELIABLE ESTIMATE OF THE POSITION OF THE LOOP.

MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT: 08 APR 1977 PART A

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

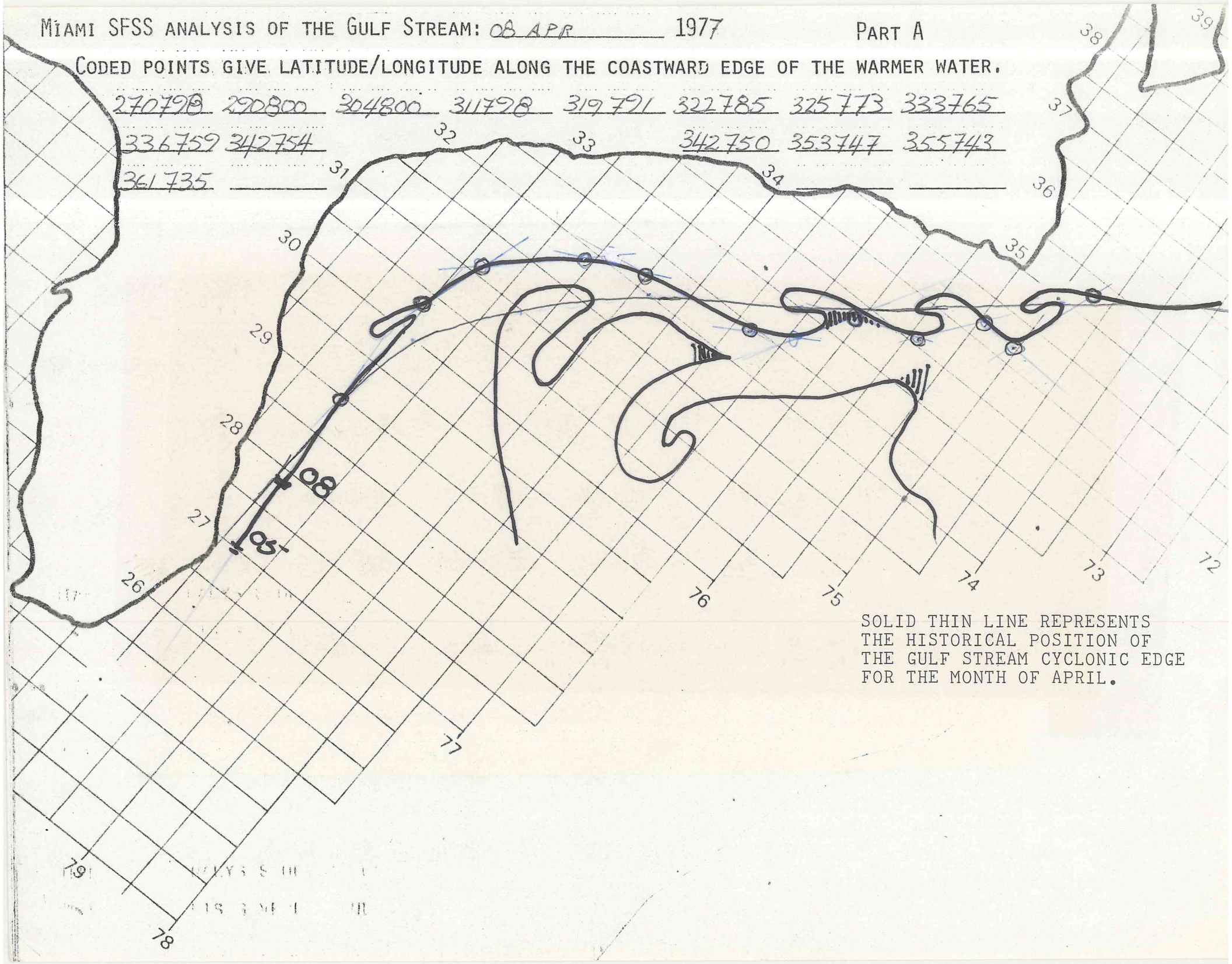
222862 232864 242862 245859 247852 247848 257845 263832 249832 243827
243822 245820// _____ _____ _____ _____ _____ _____ _____ _____
_____ _____ _____



MIAMI SFSS ANALYSIS OF THE GULF STREAM: 08 APR 1977 PART A

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

270798 290800 304800 311798 319791 322785 325773 333765
336759 342754 342750 353747 355743
361735



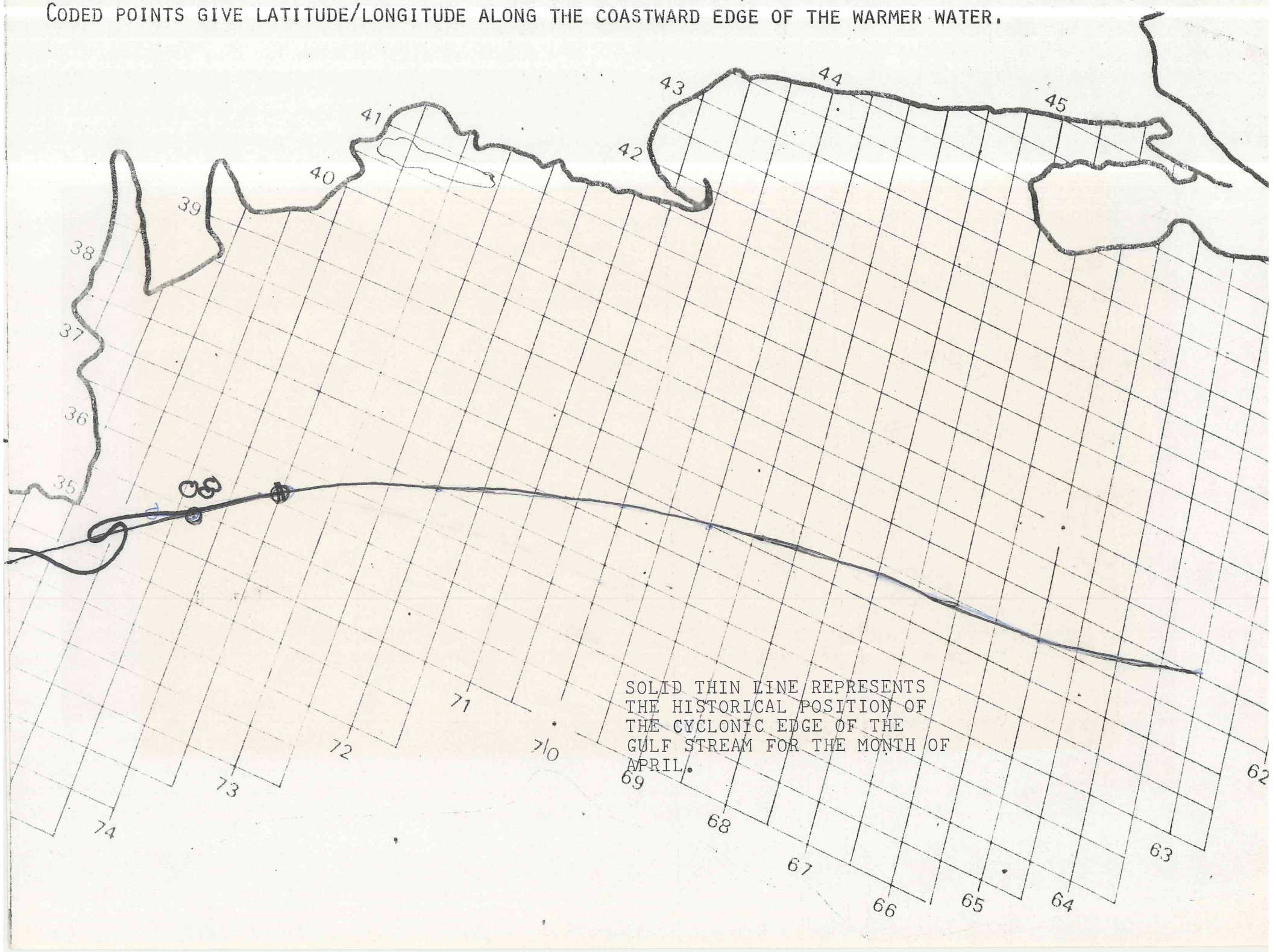
NNNN↓A
ZCZC WBC603
SXNT1 KWBC 081920
GULF STREAM LOCATION THE LINE DESCRIBED BY THE FOLLOWING
SEQUENCE OF POINTS REPRESENT THE WEST WALL OF THE GULF STREAM.

27.0/80.0 30.1/80.1 31.5/79.5 32.2/78.5
32.2/78.0 32.5/77.5 32.8/76.8 33.7/76.4
34.0/75.0 34.5/75.5 34.7/74.8 35.4/74.7
35.7/74.2 36.5/73.5 36.9/72.3 37.2/71.7

NNNN

MIAMI SFSS ANALYSIS OF THE GULF STREAM: 08 APR 1977 PART B

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



SOLID THIN LINE REPRESENTS THE HISTORICAL POSITION OF THE CYCLONIC EDGE OF THE GULF STREAM FOR THE MONTH OF APRIL.

NNNN↓MV

ZCZC
SXNT1 KWBC 062100
GULF STREAM LOCATION

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

27.2/80.0 28.1/79.9 30.0/80.2 30.9/79.9

31.5/79.5 32.2/79.0 32.2/77.8 32.5/77.2

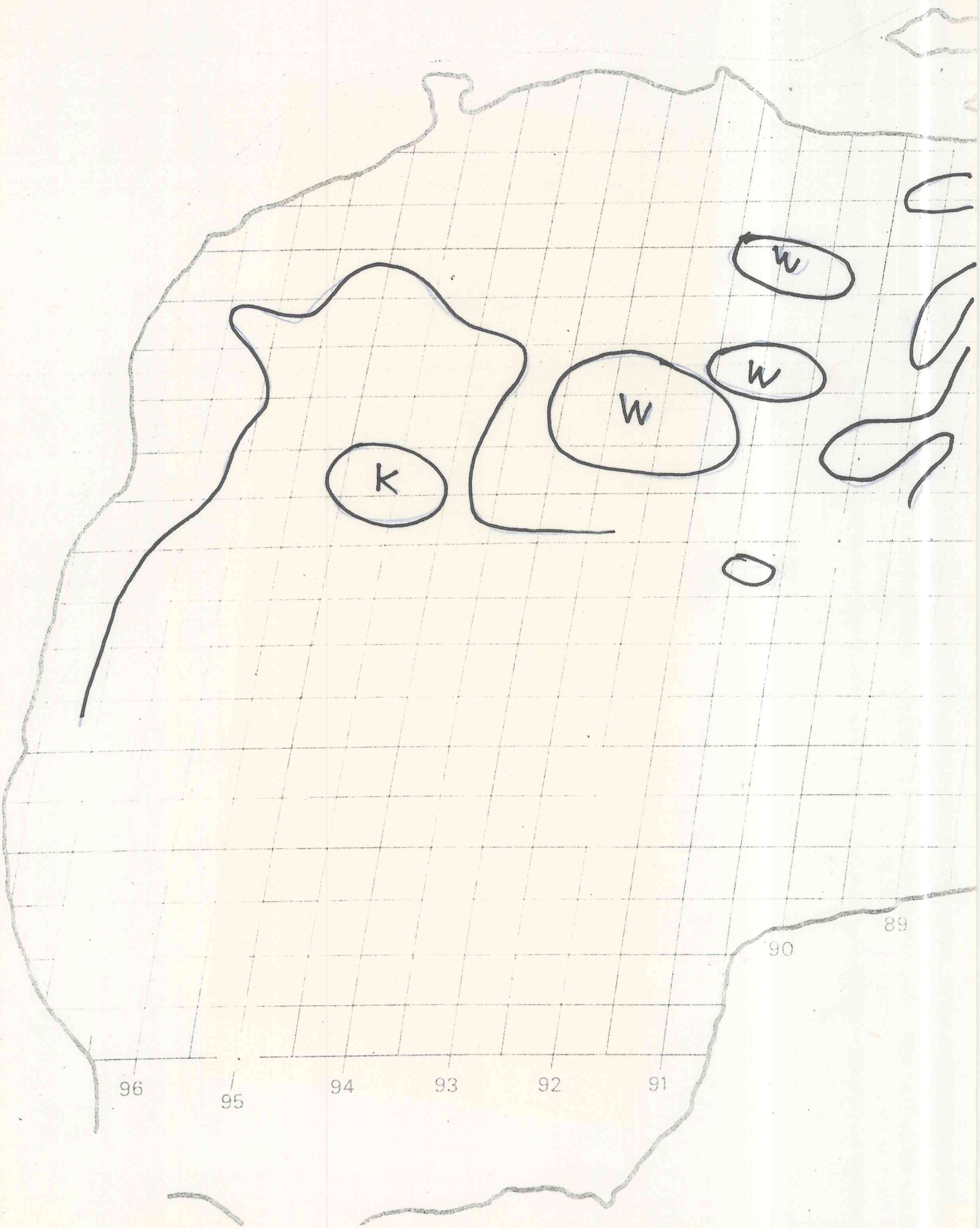
33.0/77.0 33.2/76.3 33.8/75.6 34.9/75.3

35.4/74.9 36.0/74.7 36.5/73.9 37.0/72.7

37.6/72.1 37.8/70.5 38.3/69.6

THE MAXIMUM CURRENT OF THE GULF STREAM LIES BETWEEN 19-25KM
SEAWARD OF THIS LINE. ANALYSIS DATE APRIL 6 1977 2130Z

MIAMI-SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT: 08APR 1977 PART B



GULF STREAM DISCUSSION

08 APRIL77

BTN 30°N AND 32°N THE STREAM IS EXTREMELY FAR WEST OF ITS HISTORICAL POSITION FOR THIS MONTH. IT IS INTERESTING TO NOTE THAT EVEN THE ACYC EDGE OF THE STREAM IS WEST OF THE HISTORICAL POSITION OF THE CYCLONIC EDGE!!!

11 April77.

No change from 08 April.

13APRIL 77

NO DATA FM MIA TO 28.5N THEN STREAM IS VERY SMOOTH TO OFFSHORE S CAROLINA COAST. NEWD SMALL EDDIES CONTINUE DOWNSTREAM WITH LARGER EDDIES NEWD OF CAPE HATTERAS. GOOD ANALYSIS OUT TO 64W WITH BOTH SIDES OF STREAM WELL DEPICTED....

15 April 77

btn 30N and 32N the Stream conts about 30 m w of its historical position. Two very sharp bends in the cyc edge can be seen near34N75W and 37N71W... both appear to be asoctd with the large cold core eddies on the acyc edge of the Stream near these positions.

18 April 77

The samll meander near 31N is probably responsible for the westward movement of the stream noted last week. The bend in the Stream near 39N63W is much sharper today, and may be the precursor to another cold eddy break-off. The sharp bends noted on 15 April are still visible.

20 APRIL 77

MAJOR FEATURE IS THE RAPID DEVELOPMENT OF WARM EDDY NR 36.5N 68.2W SIGNIFING MAJOR PORTION OF STREAM HEADING ESE FM 370701 POSITION. COLD EDDY BREAKOFF ALMOST NR COMPLETION. ESTIMATES OF SPEED AROUND TOP OF COLD EDDY ABT 1.0-1,5 KNTS. ESTIMATE SPEED FLOWING INTO WARM EDDY IS 2.0-2.5 KNTS.

22 APRIL 1977

GENERAL DISCUSSION OF MY ANALYSIS OF 22 APR 77 WITH MAIRS. MAIRS SAYS THAT THEY HAVE THREE (3) MEN ON IT SO "FEAR NOT". (KOP)

25 APRIL 77

STREAM IS WELL WEST OF THE HISTORICAL POSITION FM 28°N THRU 32.5°N. THE MAJOR FEATURE NEAR 38°N70°W HAS THE STREAM FOLDED BACK ON ITSELF, WELL NORTH OF THE HISTORICAL POSITION. THIS APPEARS TO BE THE FORMATION OF A COLD EDDY.

27 APRIL 77

THE STREAM IS STILL WEST OF ITS HISTORICAL POSITION FM 29.5°N TO 33°N. FM 35°N TO 36.5°N THE STREAM IS SLIGHTLY NW OF IST HISTORICAL POSITION. THE COLD EDDY PARTIALLY SEEN NR 38°N71°W IS STILL A MAJOR FEATURE.

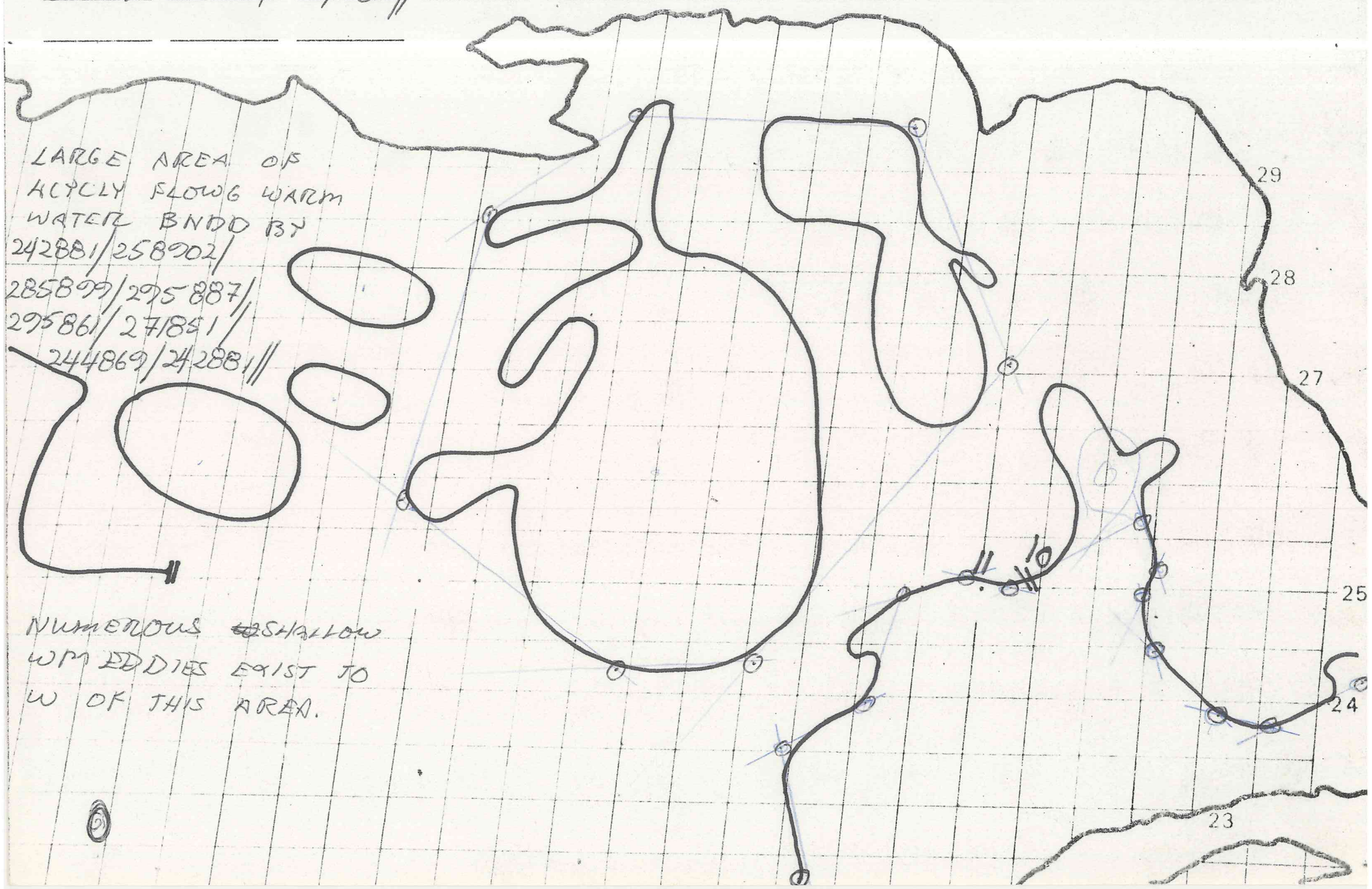
29 APRIL 77

WWD POSITION OF STREAM IS DECREASED N OF 32N AS A NEW MEANDER APPEARS TO BE GROWING IN THIS VCNTY. FM 32°N TO 37°N A SERIES OF SMALL MEANDERS HAVE DEVELOPED LATELY AND THEY SEEM TO BE QUITE STABLE. THIS MAY BE A FUNCTION OF THE LARGE COLD EDDY FORMATION NR 70°W.

MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT: 11 APR 1977 PART A

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

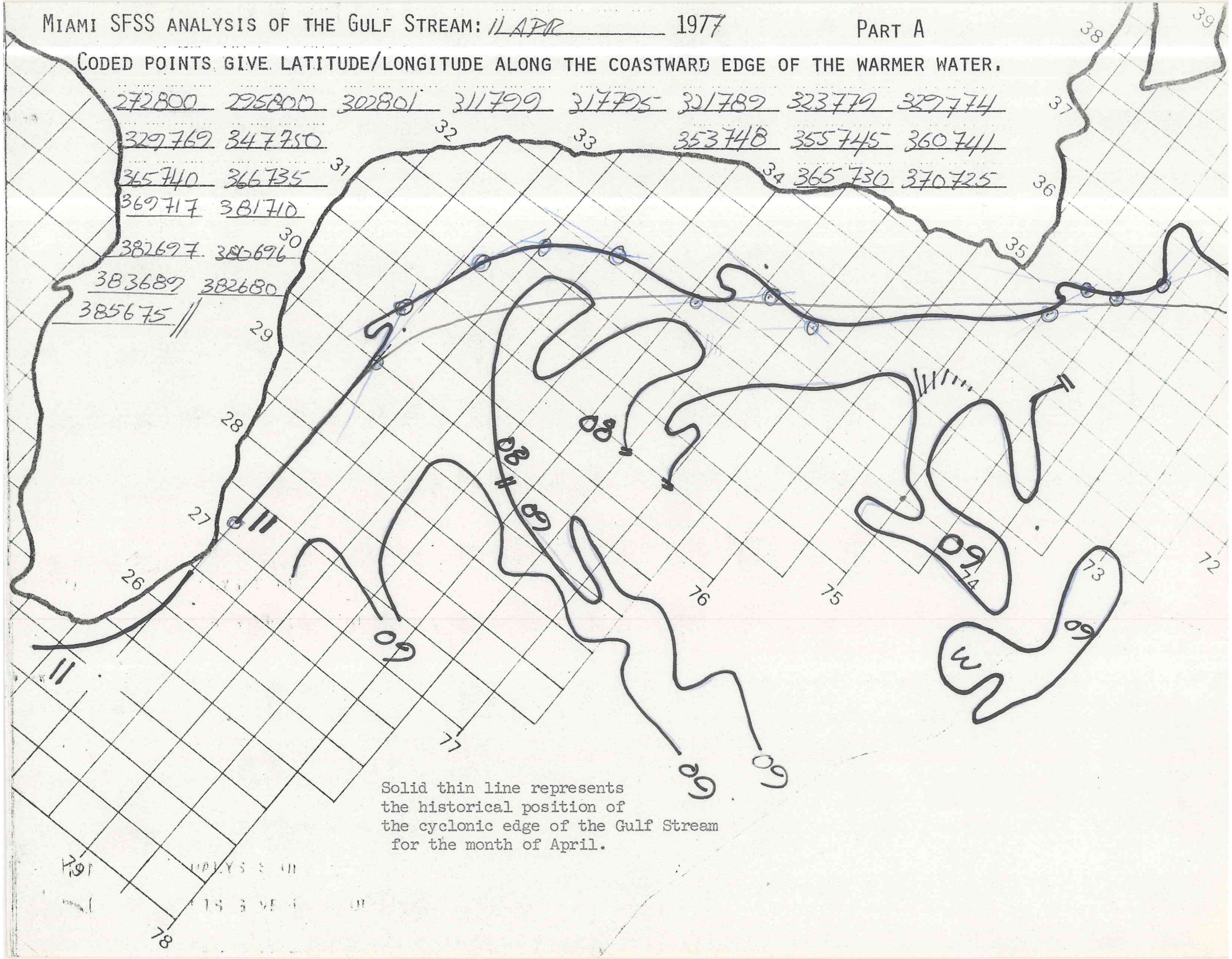
223863 235866 239859 247856 251851 250847 257836 252834 245835 245834
239829 238824 24/2816//



MIAMI SFSS ANALYSIS OF THE GULF STREAM: //APR 1977 PART A

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

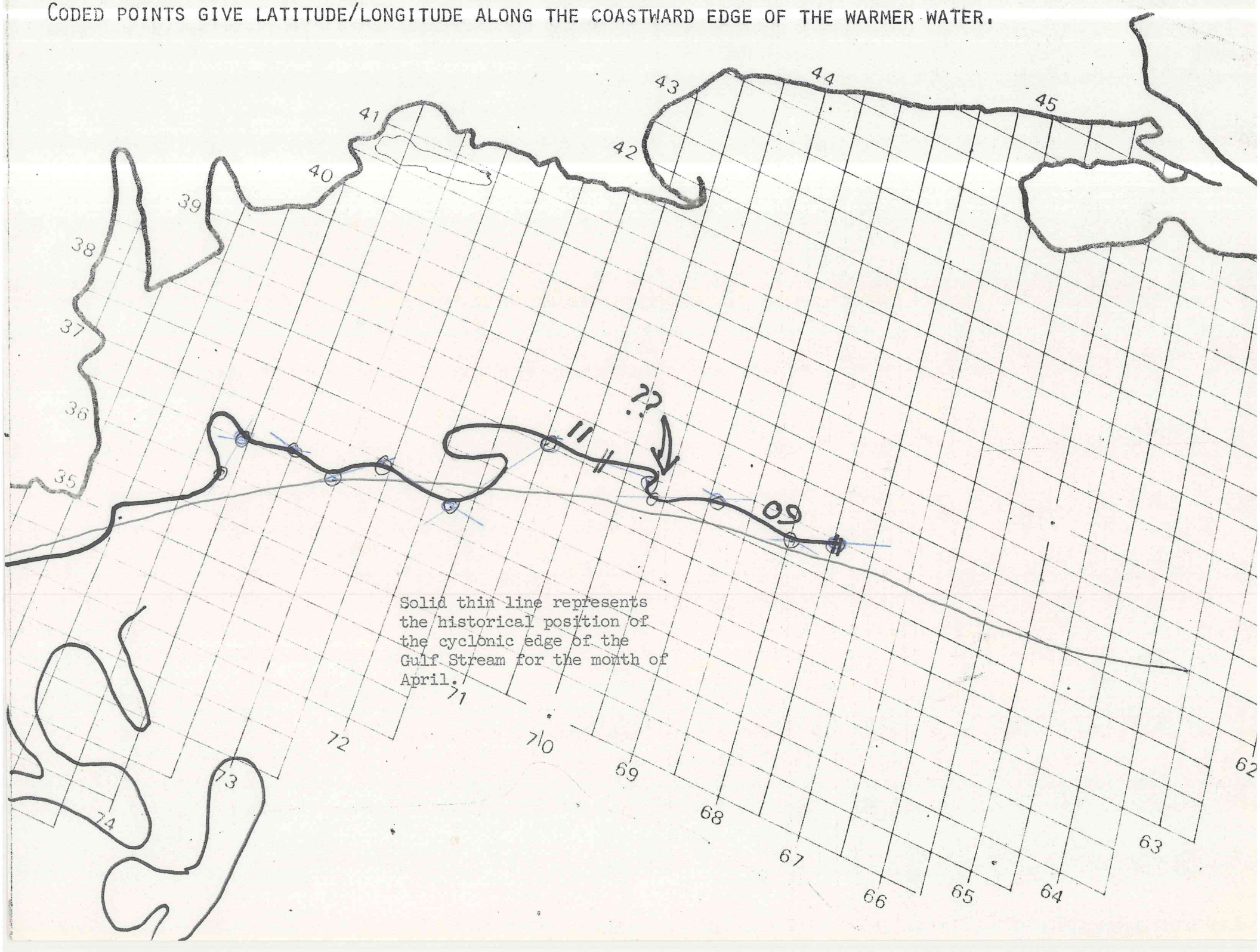
272800 295800 302801 311799 317795 321789 323779 327774
329769 347750 353748 355745 360741
365740 366735 365730 370725
369717 381710
382697 385696
383689 382680
385675 //



Solid thin line represents
the historical position of
the cyclonic edge of the Gulf Stream
for the month of April.

MIAMI SFSS ANALYSIS OF THE GULF STREAM: 11 APR 1977 PART B

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

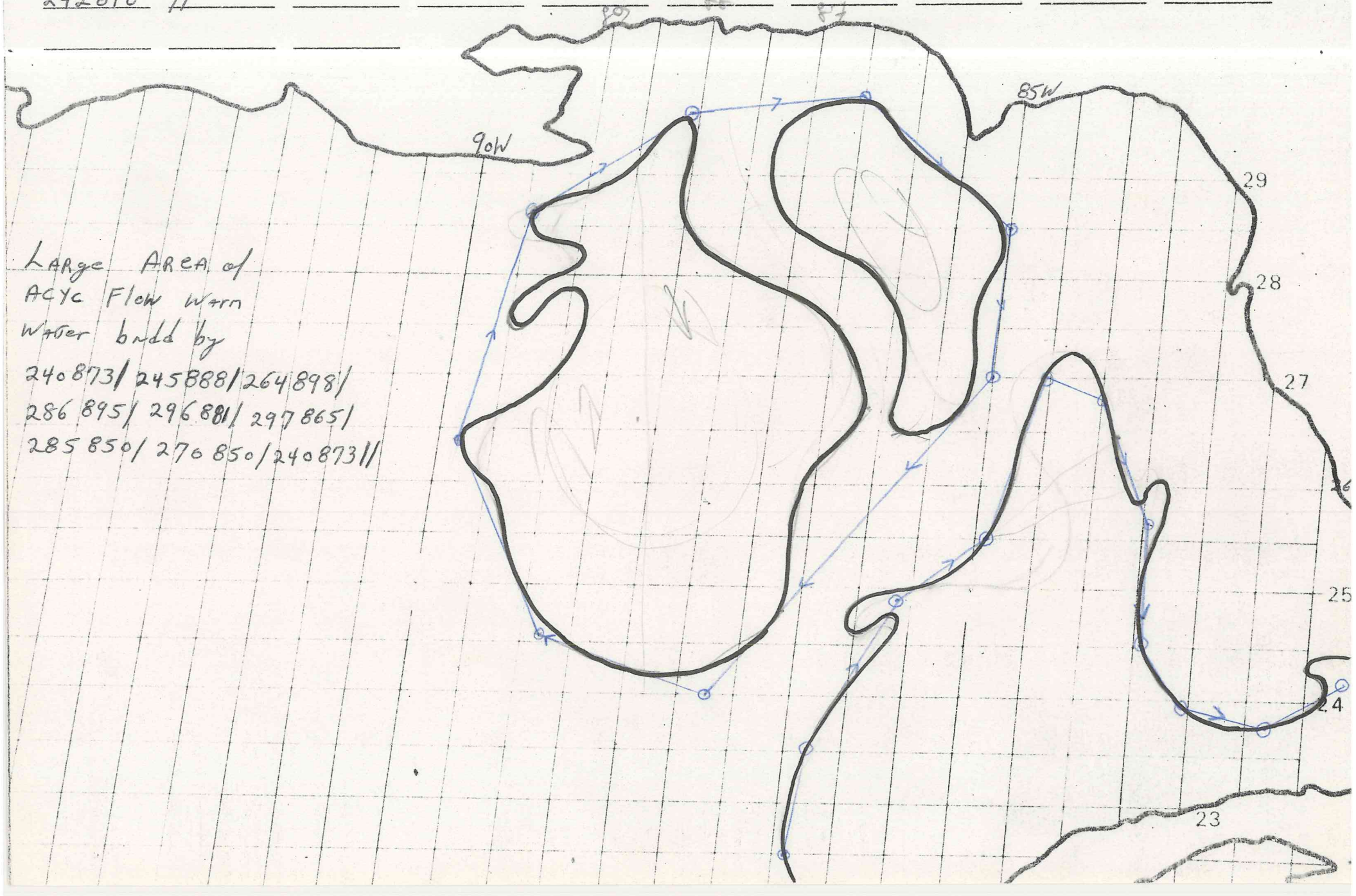


MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT: 13 APR 1976 PART A

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

225864 235863 249856 255849 270845 267840 256835 245834 239831 237824

242816 //



MIAMI SFSS ANALYSIS OF THE GULF STREAM: 13 APR 197

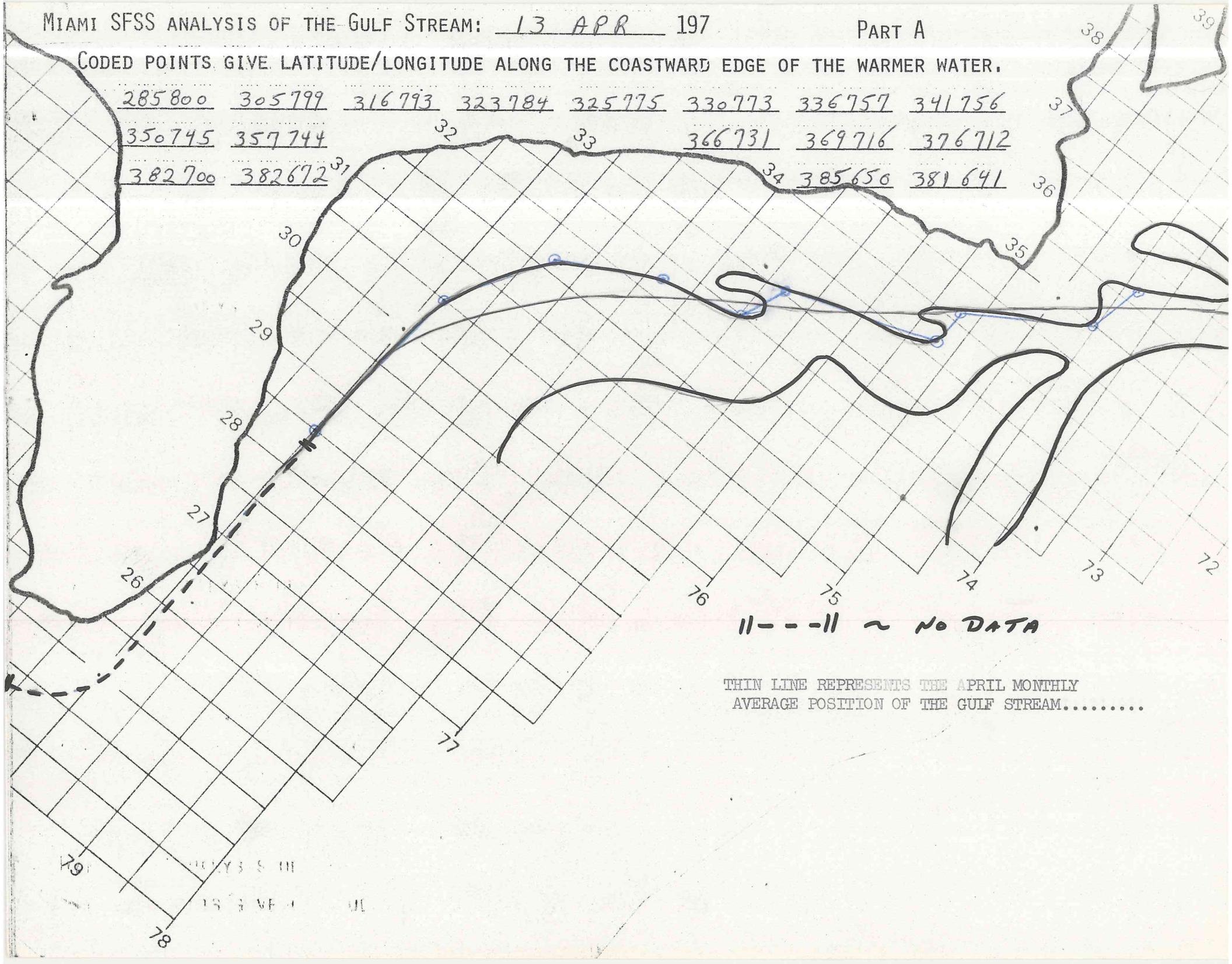
PART A

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

285800 305799 316793 323784 325775 330773 336757 341756

350745 357744 366731 369716 376712

382700 382672 385650 381641

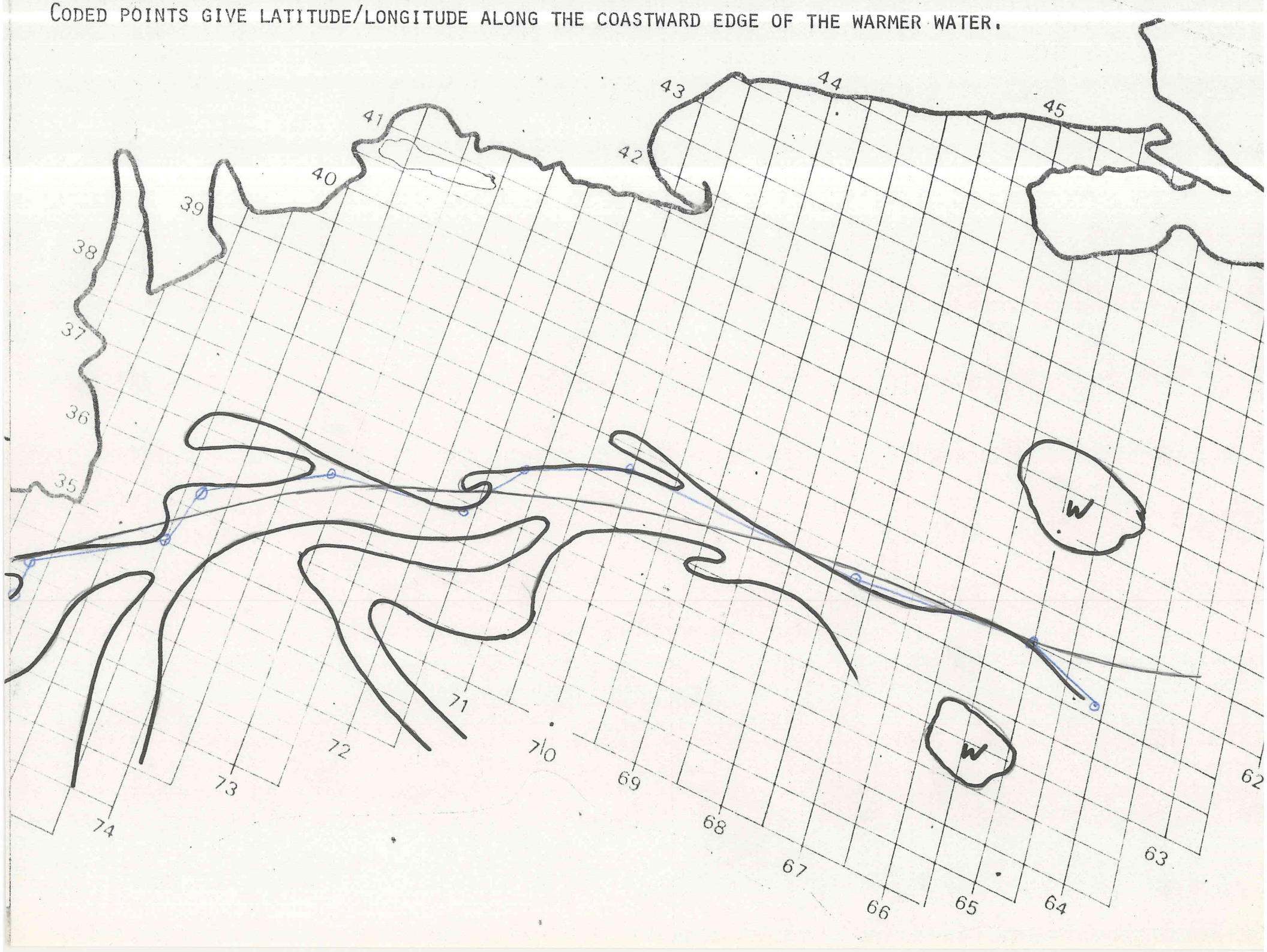


11- - -11 ~ NO DATA

THIN LINE REPRESENTS THE APRIL MONTHLY AVERAGE POSITION OF THE GULF STREAM.....

MIAMI SFSS ANALYSIS OF THE GULF STREAM: 13 APR 1976 PART B

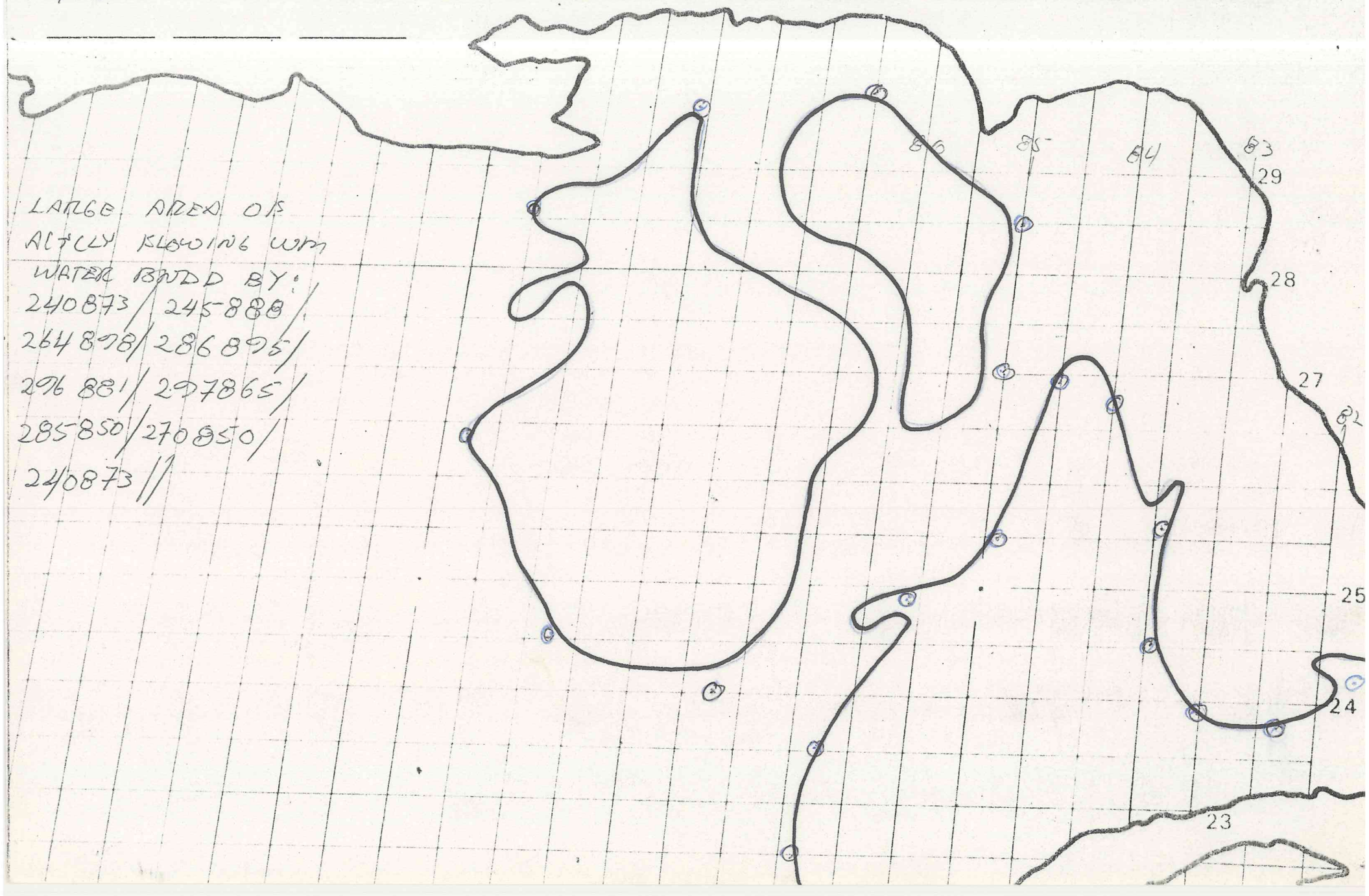
CODED POINTS GIVE LATITUDE/LONGITUDE ALONG THE COASTWARD EDGE OF THE WARMER WATER.



MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT: 15 APR 1977 PART A

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

225864 235863 249856 255849 270845 267840 256835 245834 239831 237824
242816 _____ _____ _____ _____ _____ _____ _____ _____ _____
_____ _____ _____



LARGE AREA OF
ALTLY FLOWING WM
WATER BNDD BY:
240873/245880/
264878/286895/
296881/297865/
285850/270850/
240873//

MIAMI SFSS ANALYSIS OF THE GULF STREAM: 15 APR 1977 PART A

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

270799 285801 305801 314798 317794 326770 339762 340752
347753 355745 356742 367732 368728
370726 370708 376710 383709
385705 386700
384692 383679
380670 387646
384689 390631
400634 403633
404627 400622

Solid thin line represents the historical position of the cyclonic edge of the Gulf Stream for the month of April.

VANW

ZCZC
SXNT1 KWBC 152004
GULF STREAM LOCATION † THE LINE DESCRIBED BY THE FOLLOWING
SEQUENCE OF POINTS REPRESENTS THE WEST WALL OF THE GULF STREAM.

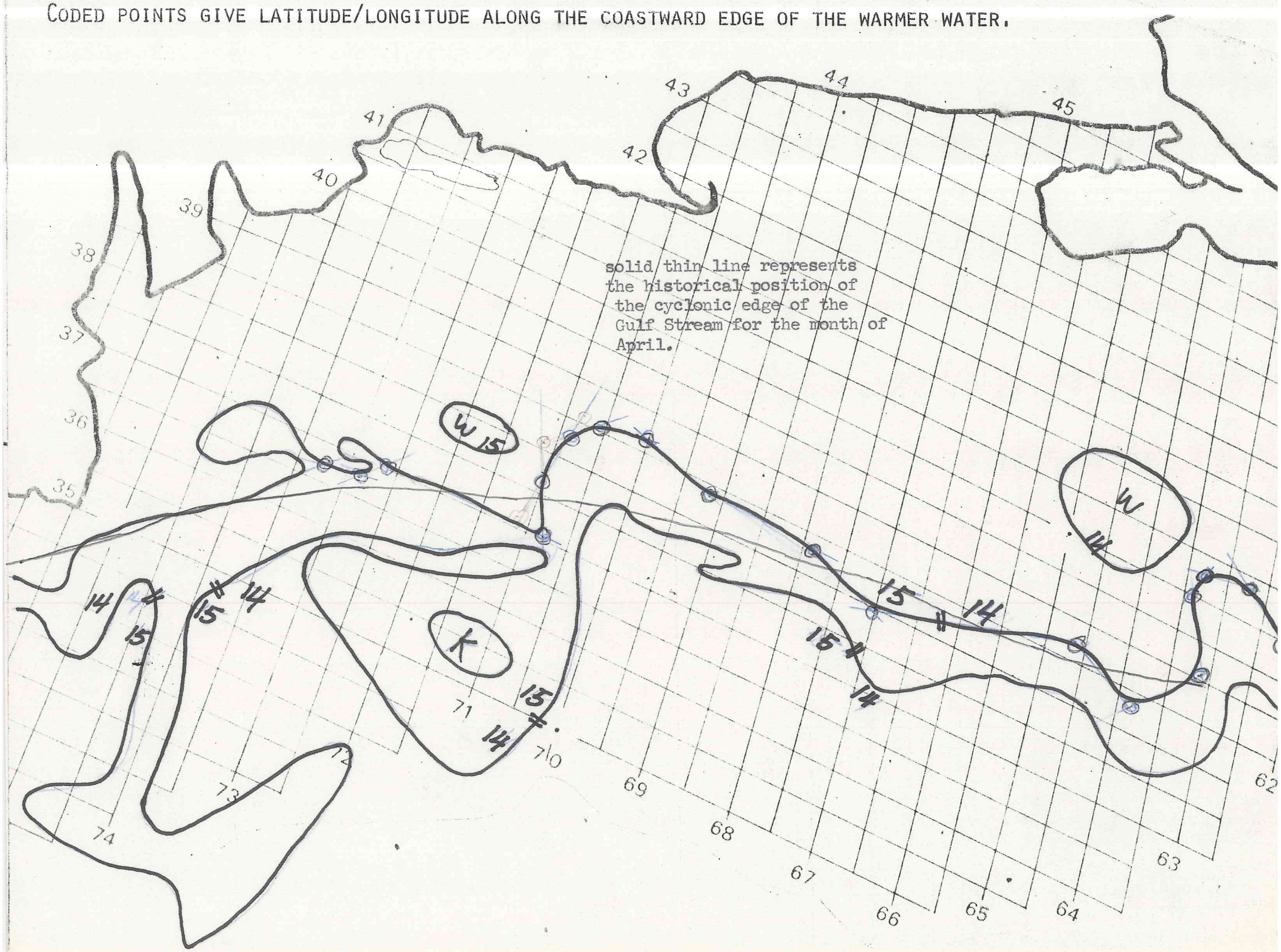
27.0/79.9	28.5/80.1	30.0/80.1	31.0/79.8
32.1/79.1	32.2/78.6	32.2/77.8	32.8/77.4
33.0/76.9	33.7/76.6	34.0/75.9	34.1/75.5
34.8/75.4	35.9/74.2	36.3/73.9	36.8/73.2
37.2/71.8	37.2/71.0	37.7/71.0	38.1/71.2
38.7/70.8	38.7/69.7	38.2/67.0	38.7/64.6

THE MAXIMUM CURRENT OF THE GULF STREAM LIES BETWEEN 19†25KM
SEAWARD OF THIS LINE. ANALYSIS DATE... 04/15/77 AT 2000Z

NNNN↓

MIAMI SFSS ANALYSIS OF THE GULF STREAM: 15 APR 1977 PART B

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

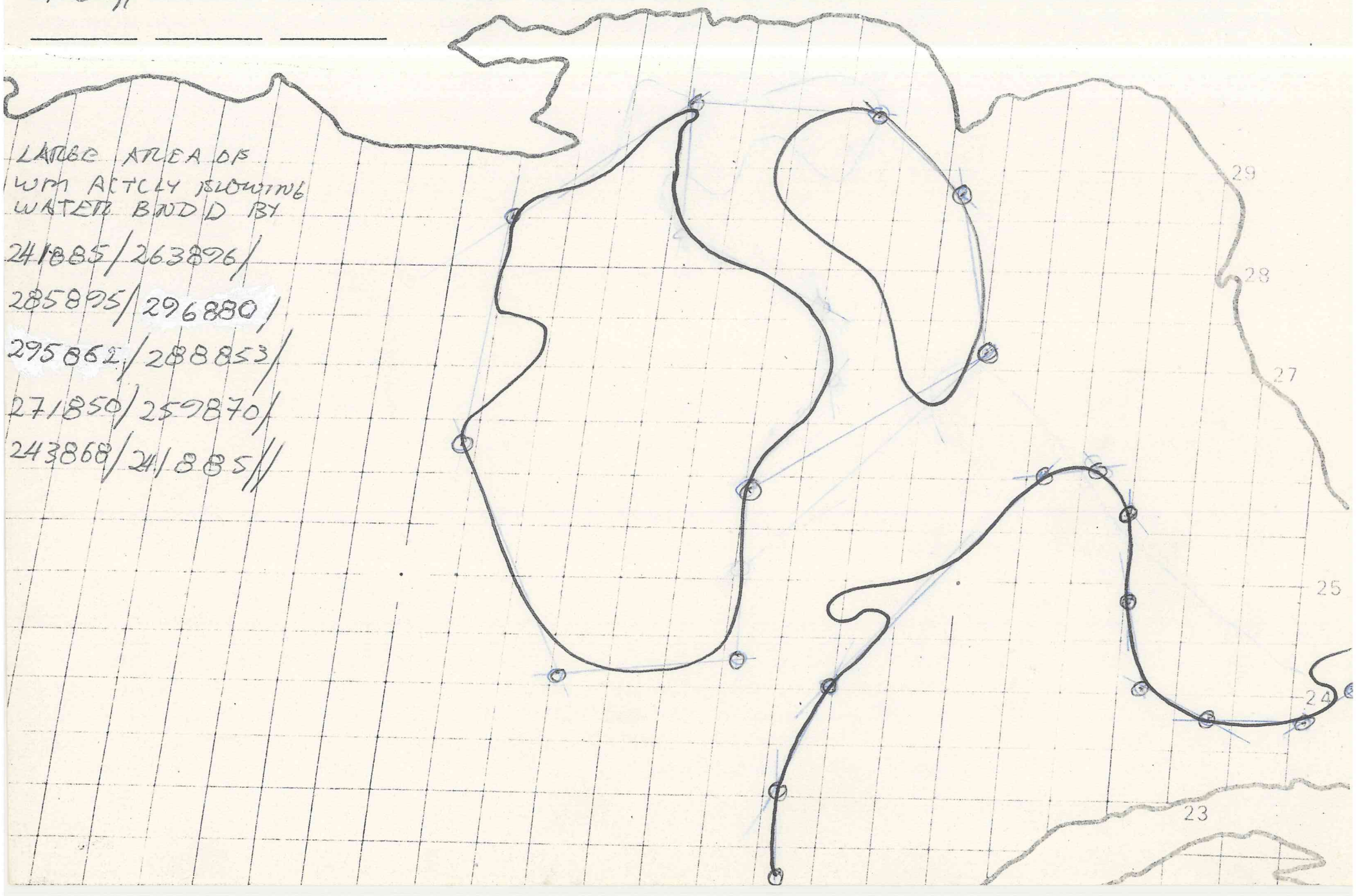


MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT: 18 APR 1977 PART A

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

222863 231864 240860 260844 261838 257835 249835 240833 238827 238819
241815//

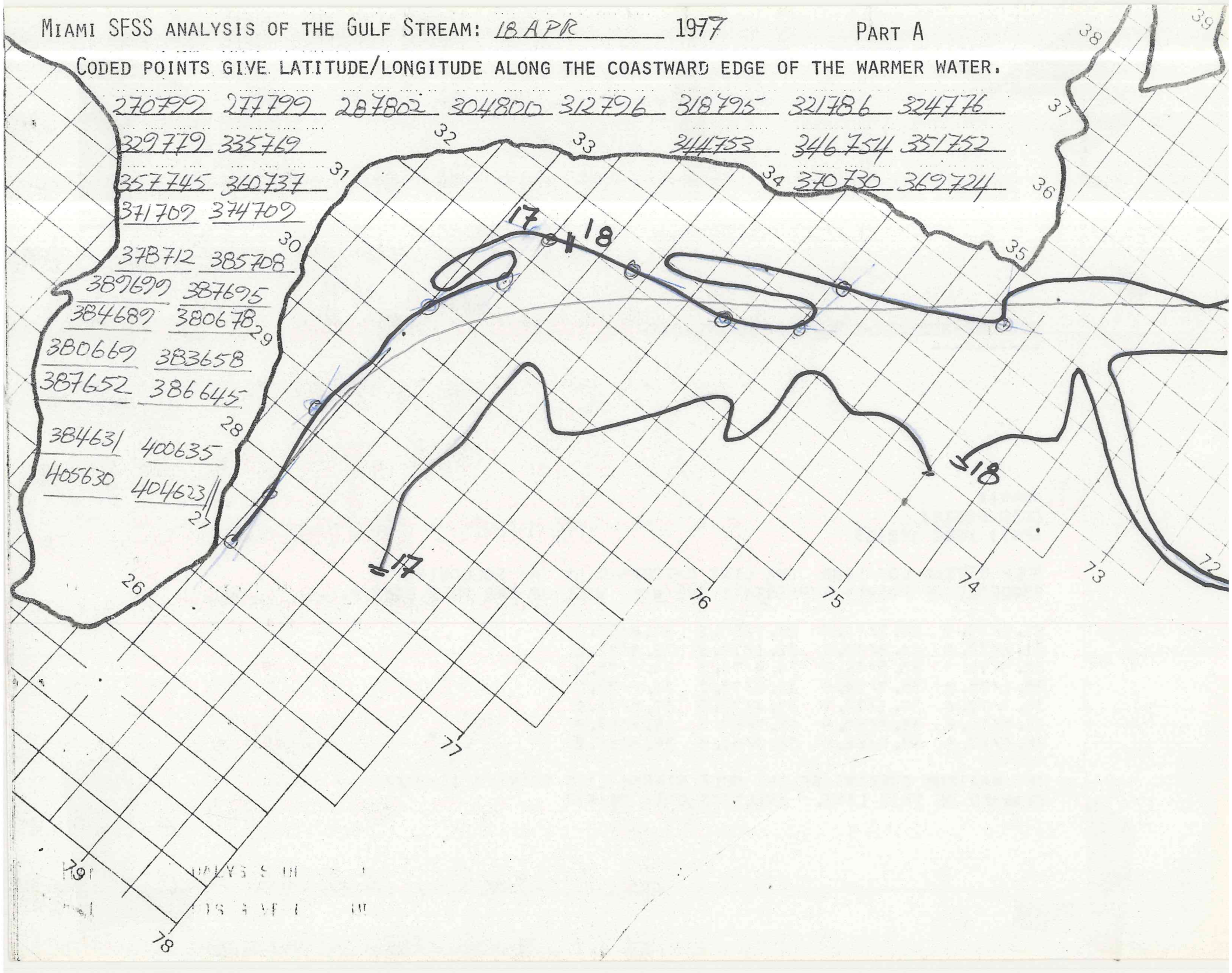
LARGE AREA OF
WARM ACTIVELY FLOWING
WATER BOUND BY
241885/263876/
285875/296880/
295862/288853/
271850/259870/
243868/241885//



MIAMI SFSS ANALYSIS OF THE GULF STREAM: 18 APR 1977 PART A

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

270799 277799 287802 304800 312796 318795 321786 324776
329779 335769 344753 346754 351752
357745 360737 370730 369724
371709 374709
378712 385708
387699 387695
384689 380678
380669 383658
387652 386645
384631 400635
405630 404623



APR 18 21 47'77

VCT-CRP-AUS-BTR-MOB-MGM-MEI-ATL-CAE-

NNNN↓A
ZCZC WBC703
SXNT1 KWBC 182125

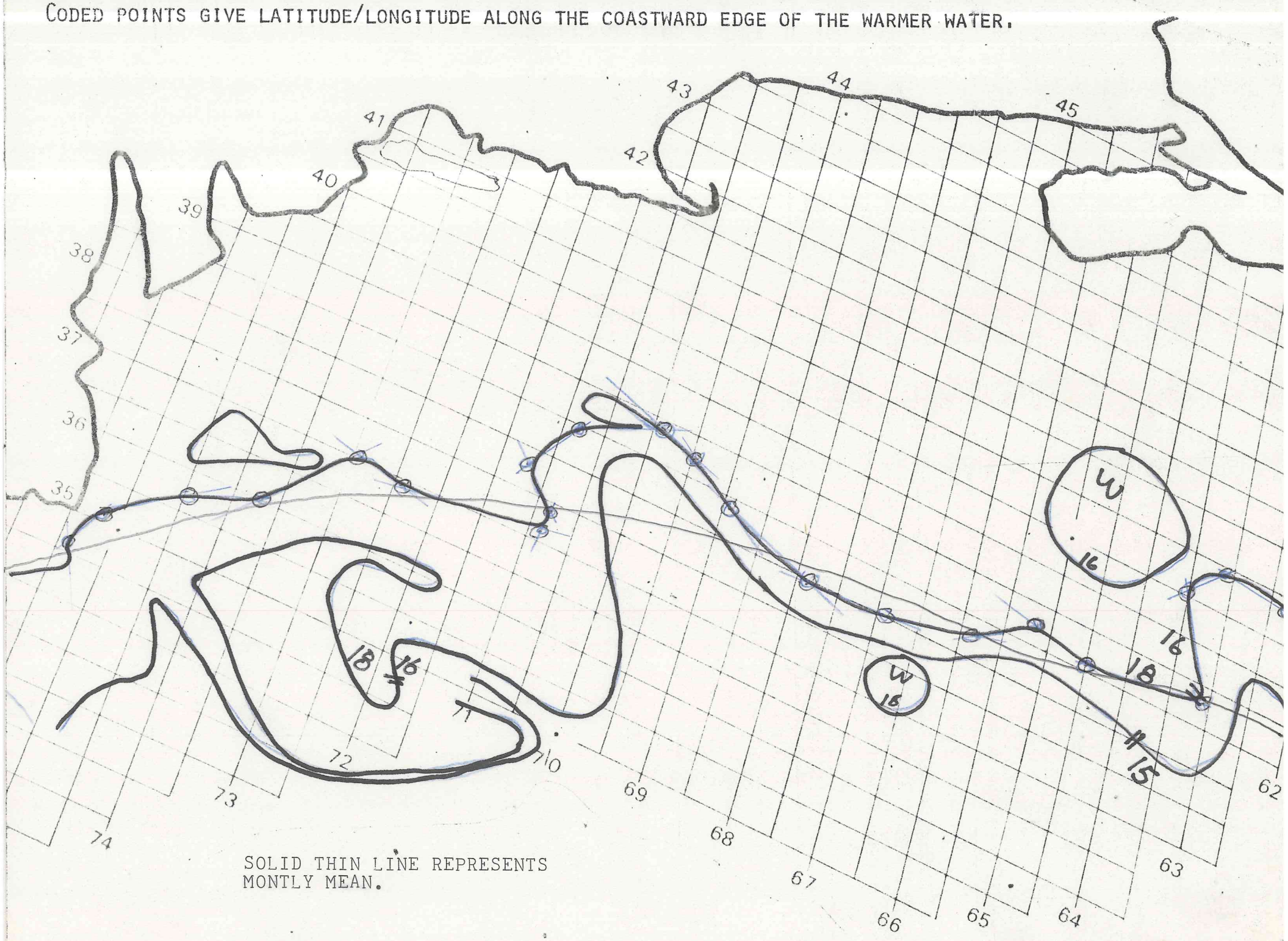
GULF STREAM LOCATION THE LINE DESCRIBED BY THE FOLLOWING SEQUENCE OF POINTS REPRESENTS THE WEST WALL OF THE GULF STREAM.

27.0/79.9	27.7/79.9	28.7/80.2	30.4/80.0
31.2/79.6	31.8/79.5	32.1/78.6	32.4/77.6
32.9/76.9	33.5/76.9	34.4/75.3	34.6/75.4
35.1/75.2	35.7/74.5	36.0/73.7	37.0/73.0
36.9/72.4	37.1/70.9	37.4/70.9	37.8/71.2
38.5/70.8	38.9/69.9	38.7/69.5	38.4/68.9
38.0/67.8	38.0/66.9	38.3/65.8	38.7/65.2

THE MAXIMUM CURRENT OF THE GULF STREAM LIES BETWEEN 10 25KM SEAWARD OF THIS LINE. ANALYSIS DATA 041877

MIAMI SFSS ANALYSIS OF THE GULF STREAM: 18 APR 1977 PART B

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



SOLID THIN LINE REPRESENTS
MONTLY MEAN.

MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT: 20 APR 1977 PART A

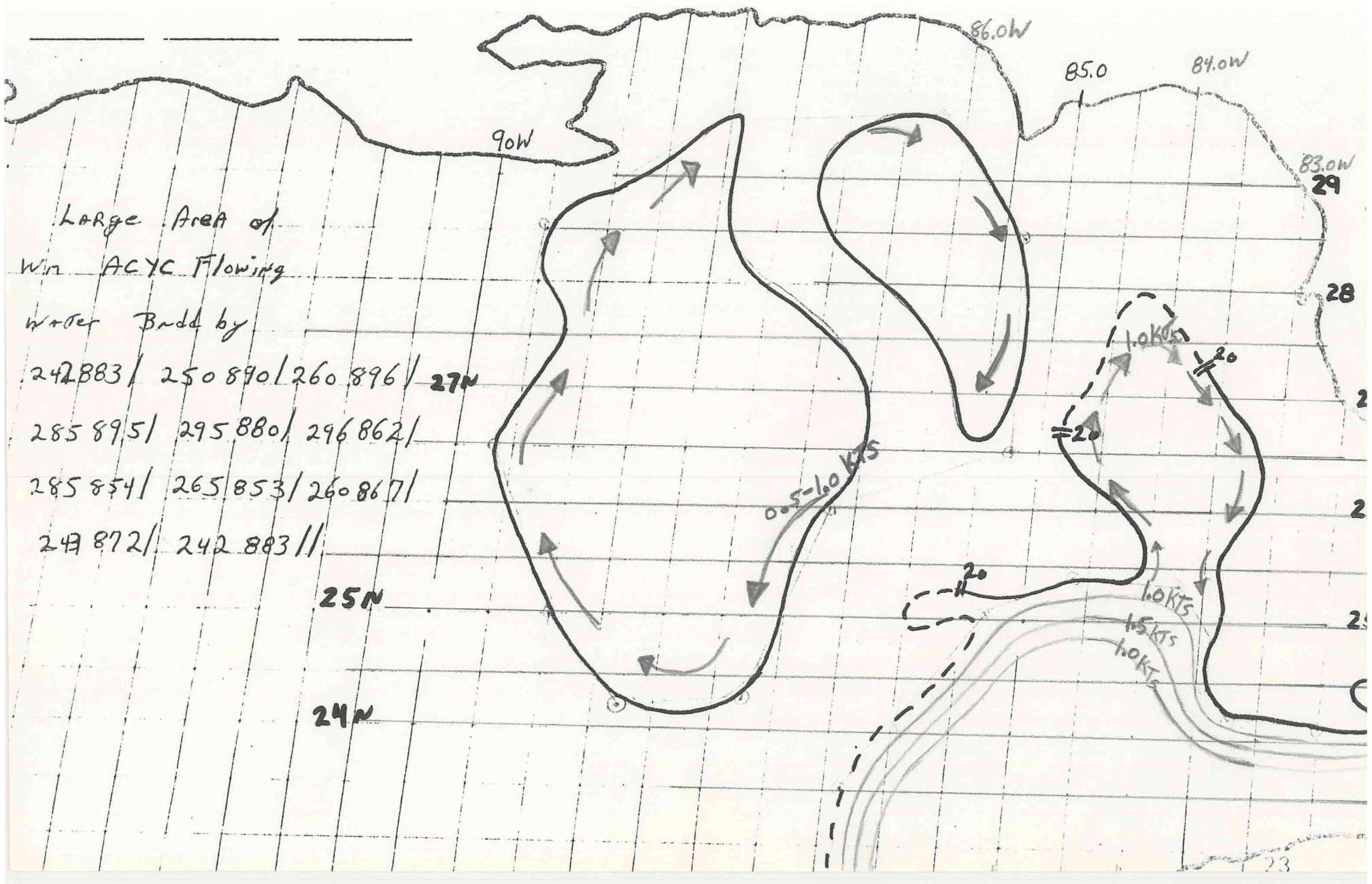
CODED POINTS GIVE LATITUDE/LONGITUDE ALONG THE COASTWARD EDGE OF THE WARMER WATER.

223 864 235 863 251 854 254 846 253 837 249 833 245 834 242 832 241 825 241 820
243 818 //

MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT: 20 APR 1977 PART A

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

223 864 235 863 251 854 254 846 253 839 249 833 245 834 242 832 241 825 241 820
243 818 //



MIAMI SFSS ANALYSIS OF THE GULF STREAM: 20 APR 197 PART A

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

285801 304803 311800 315795 320785 324776 330769 335765
346750 355749 361740 370725 371715
370701* 379714 385712 389702
388693 379680
375670 380657
385636 381625

* See NOTE
abt split flow
NR 370701.

SOLID THIN LINE REPRESENTS MPNTHLY MEAN.

— — FSCT POSITION FM DATA 18-20 APR.

NNNN↓V

ZCZC
SXNT1 KWBC 222122

GULF STREAM LOCATION

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

27.0/80.0 28.5/80.1 30.4/80.3 31.5/79.5

32.2/78.5 32.4/77.6 33.0/76.9 33.5/76.5

34.6/75.1 35.5/74.9 36.1/74.0 36.8/72.5

37.4/71.9 37.1/70.5 38.0/71.2 38.7/71.0

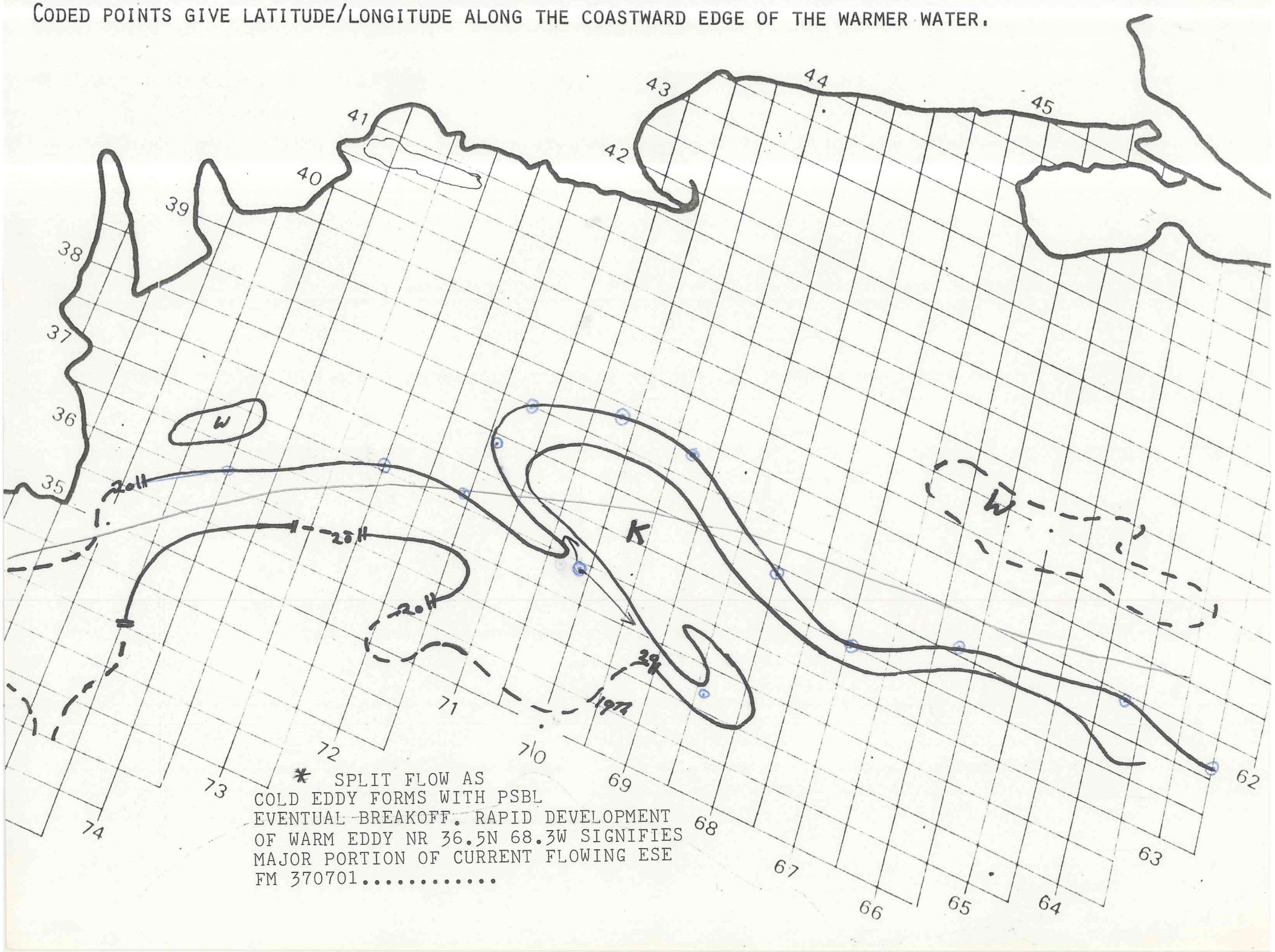
39.0/70.0 38.7/69.0 37.8/67.5 38.4/65.0

THE MAXIMUM CURRENT OF THE GULF STREAM LIES BETWEEN 19 AND 25 KM SEWARD OF THIS LINE. ANALYSIS DATE 04/22/77 AT 2100

NNNN↓MMAKVANVAIVAFV

MIAMI SFSS ANALYSIS OF THE GULF STREAM: 20 APR 1976 PART B

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

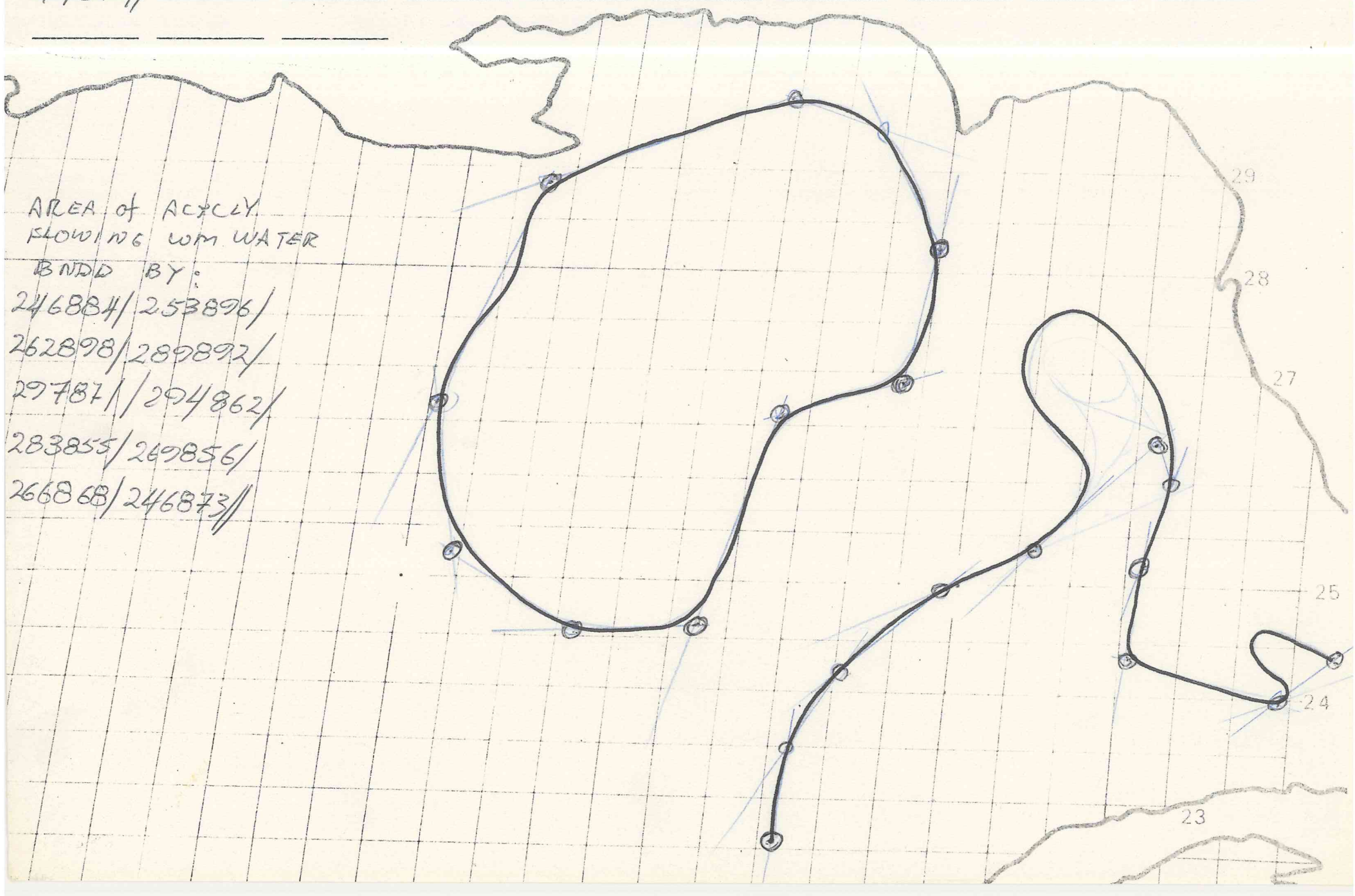


* SPLIT FLOW AS COLD EDDY FORMS WITH PSBL EVENTUAL BREAKOFF. RAPID DEVELOPMENT OF WARM EDDY NR 36.5N 68.3W SIGNIFIES MAJOR PORTION OF CURRENT FLOWING ESE FM 370701.....

MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT: 25 APR 1977 PART A

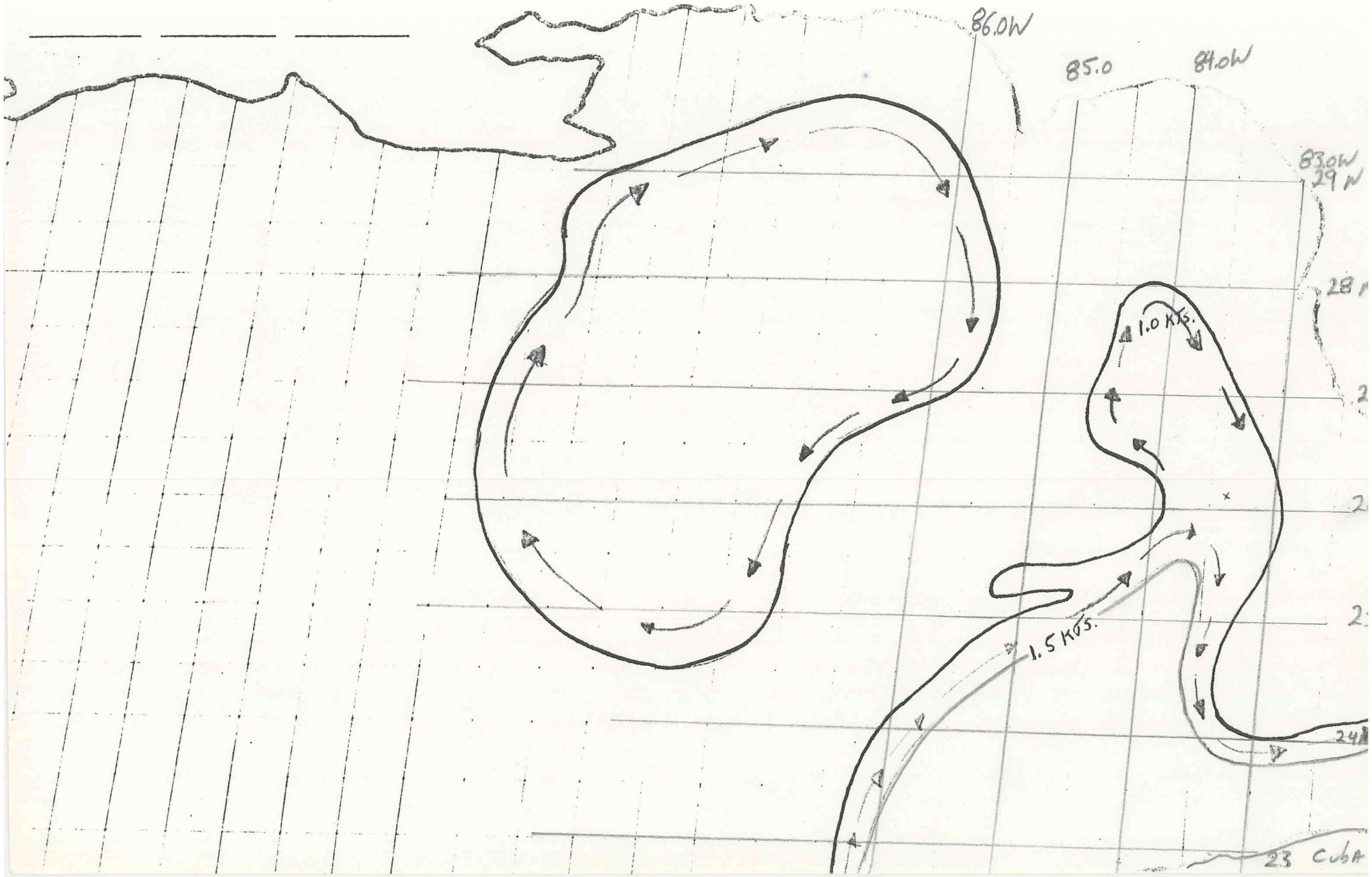
CODED POINTS GIVE LATITUDE/LONGITUDE ALONG THE COASTWARD EDGE OF THE WARMER WATER.

226864 235864 242859 250851 254844 264833 260832 252834 244834 240821
244816//



MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT: 25 APR 1977 (FSCT.) PMO PART A

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



MIAMI SFSS ANALYSIS OF THE GULF STREAM: 25APR 1977 PART A

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

270799 283802 300803 308802 324788 328776 333768 338767
339762 344754 348752 355752 358744
368730 377706 382717 387711
391704 390693
384686 379678
381666 385656
385650 391648
388635 390624

SOLID THIN LINE REPRESENTS THE HISTORICAL POSITION OF THE CYCLONIC EDGE OF THE GULF STREAM FOR THE MONTH OF APRIL.

WNNN↓

ZCZC
SXNT1 KWBC 252015

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

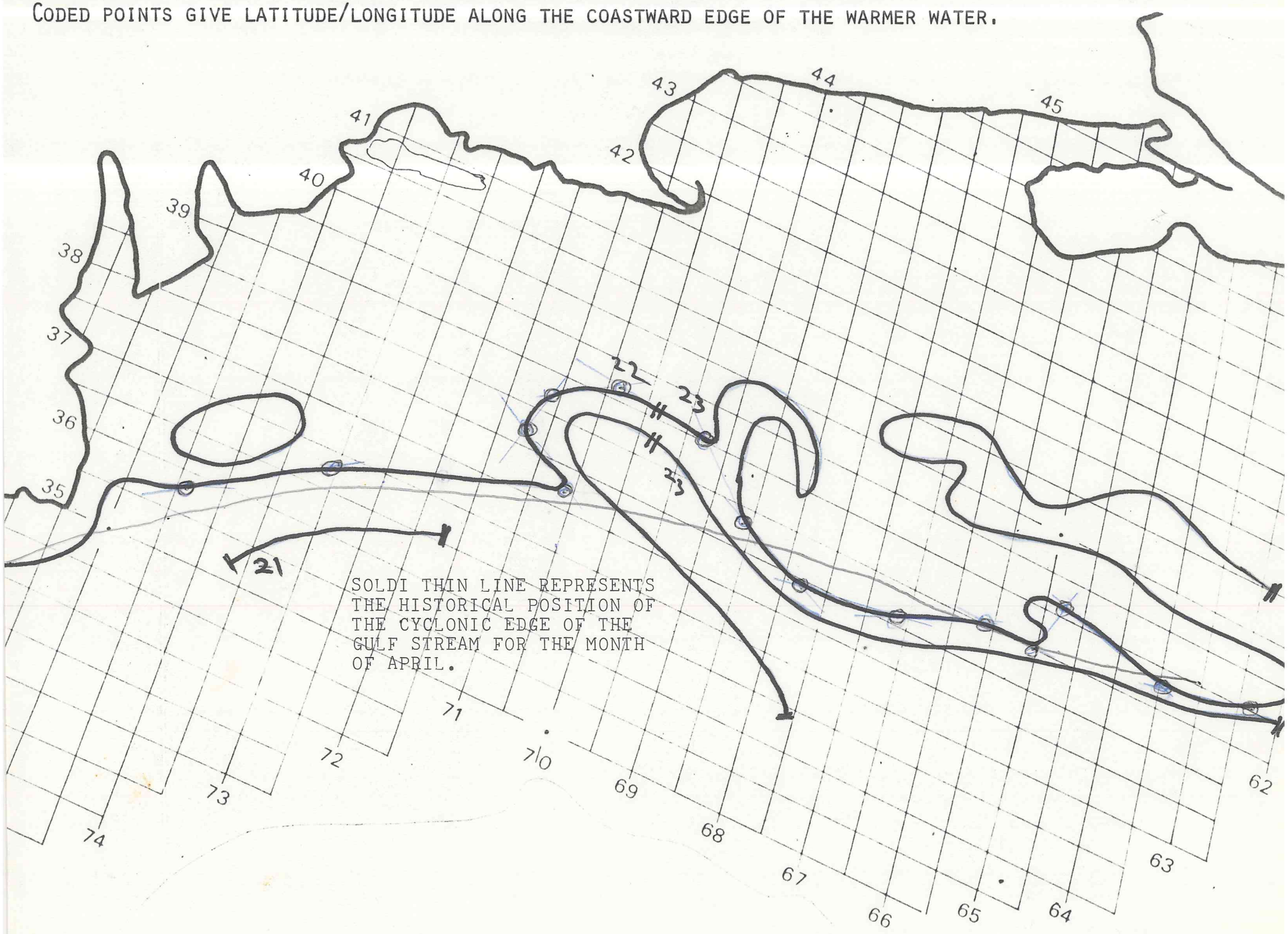
27.0/80.0	28.6/79.9	29.5/80.1	30.3/80.1
31.3/79.7	31.9/79.0	32.1/77.9	33.3/76.8
33.8/76.7	33.9/76.2	34.4/75.4	34.8/75.2
35.5/75.2	35.8/74.4	36.8/73.0	37.7/70.6
38.2/71.7	38.7/71.1	39.1/70.4	39.0/69.3
38.4/68.6	37.9/67.8	38.1/66.6	38.5/65.6

THE MAXIMUM CURRENT OF THE GULF STREAM LIES BETWEEN 19 25KM SEAWARD OF THIS LINE. ANALYSIS DATE 04/25/77

.....

MIAMI SFSS ANALYSIS OF THE GULF STREAM: 25 APR 1977 PART B

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



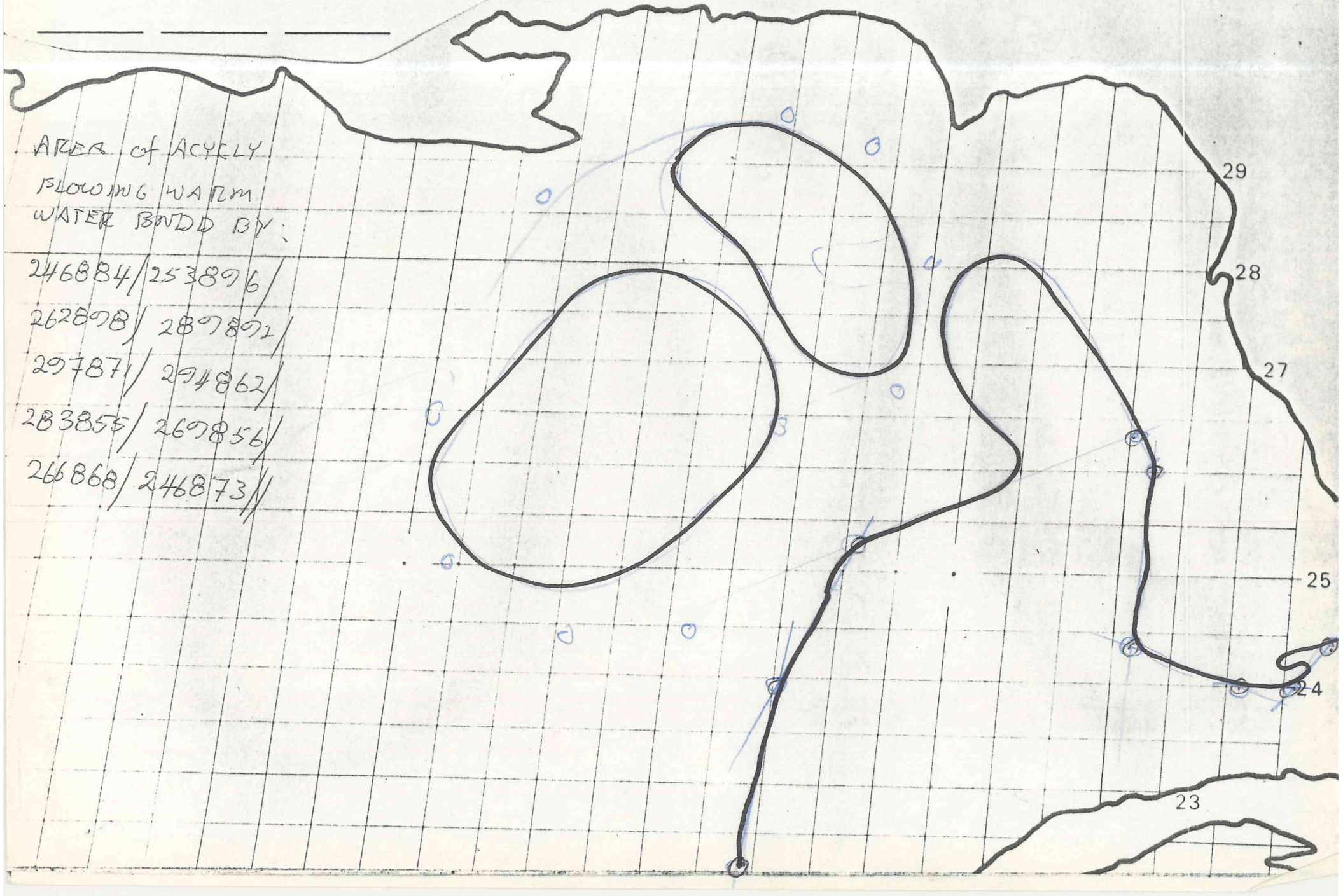
MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT: 27 APRIL 1977 PART A

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

22286 237865 253859 264835 260832 244834 240824 240819 244816//

AREA of ACTIVELY FLOWING WARM WATER BOUND BY:

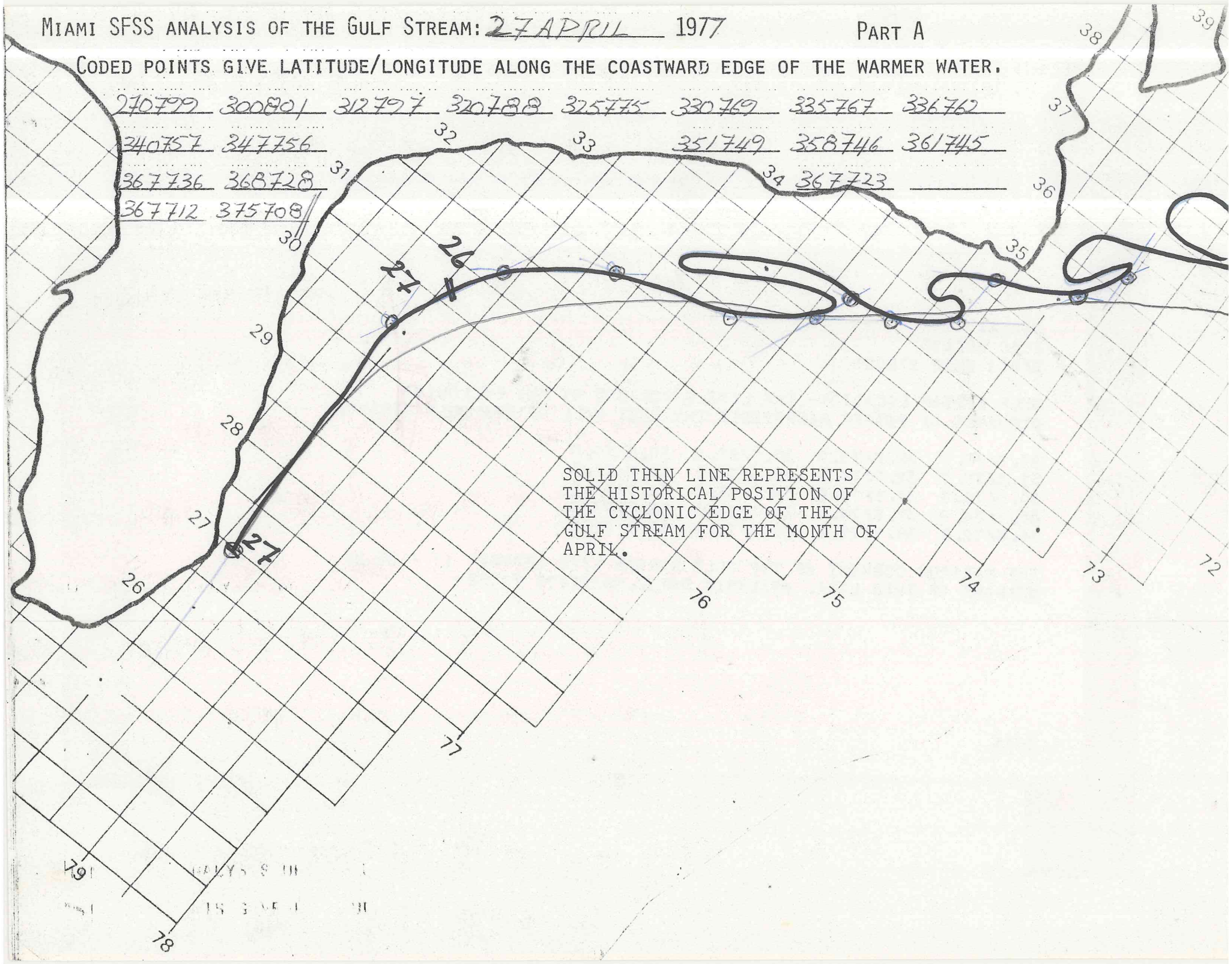
246884/253896/
262898/287891/
29787/294862/
283855/267856/
266868/246873//



MIAMI SFSS ANALYSIS OF THE GULF STREAM: 27 APRIL 1977 PART A

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

270799 300801 312797 320788 325775 330769 335767 336762
340757 347756 351749 358746 361745
367736 368728 367723
367712 375708



NNNN↓A
ZCZC WBC478
SXNT1 KWBC 272020

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

27.0/79.9	28.0/79.9	30.0/80.2	30.8/80.0
31.2/79.7	32.0/78.8	32.5/77.5	33.0/76.9
33.5/76.7	33.6/76.2	34.0/75.7	34.7/75.6
35.1/74.9	35.8/74.6	36.1/74.5	36.7/73.6
36.8/72.8	36.7/72.3	36.7/71.2	37.5/70.8

THE MAXIMUM CURRENT OF THE GULF STREAM LIES BETWEEN 19 - 25 KM SEAWARD OF THIS LINE. ANALYSIS DATE..04/27/77 2100Z

NNNN

MIAMI SFSS ANALYSIS OF THE GULF STREAM: 27 APRIL 197 PART B

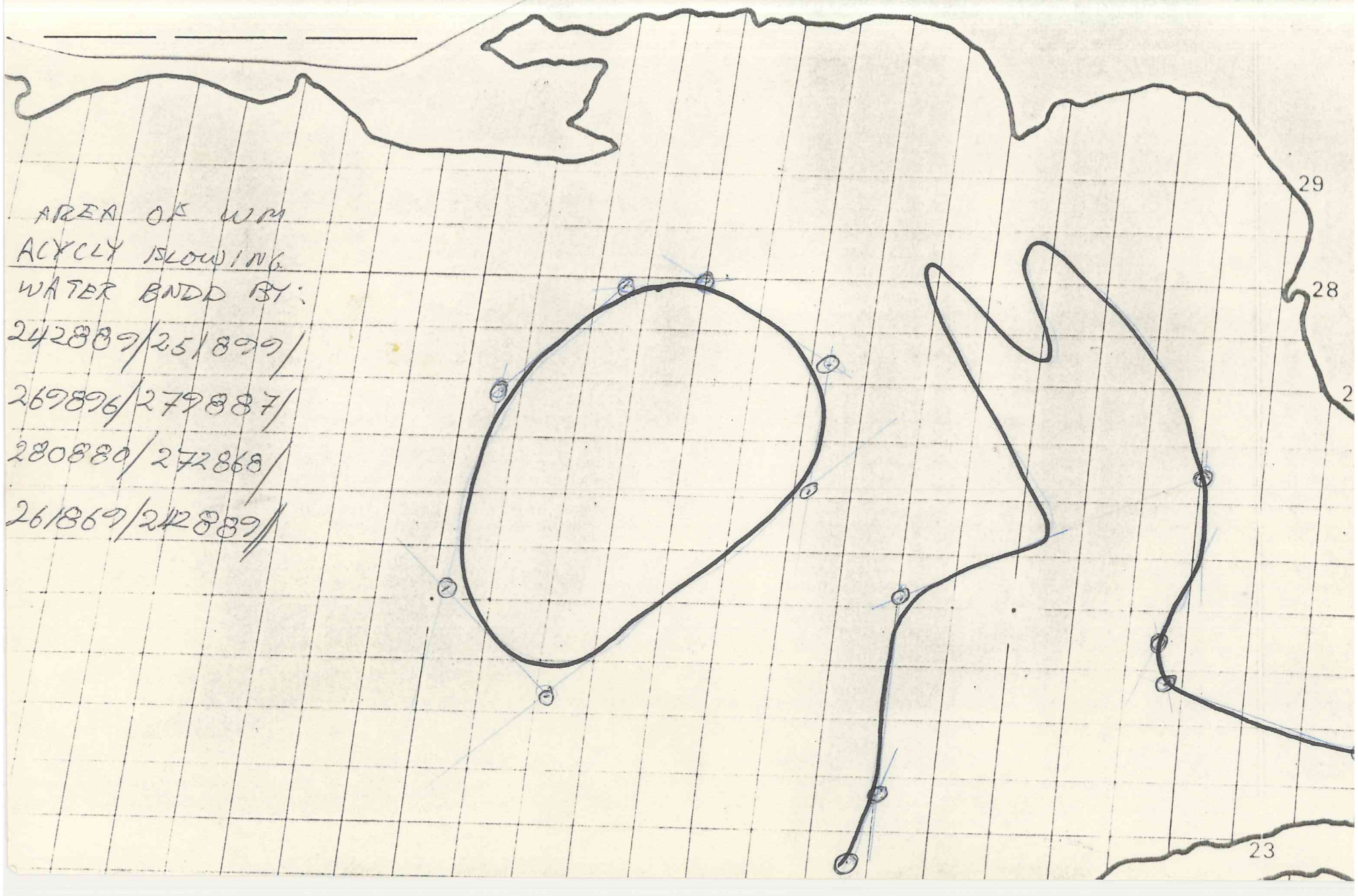
CODED POINTS GIVE LATITUDE/LONGITUDE ALONG THE COASTWARD EDGE OF THE WARMER WATER.

SOLID THIN LINE REPRESENTS THE HISTORICAL POSITION OF THE CYCLONIC EDGE OF THE GULF STREAM FOR THE MONTH OF APRIL.

MIAMI SFSS ANALYSIS OF THE GULF OF MEXICO LOOP CURRENT: 29 APR 1977 PART A

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

227867 234860 251860 262835 247837 244836 239820//

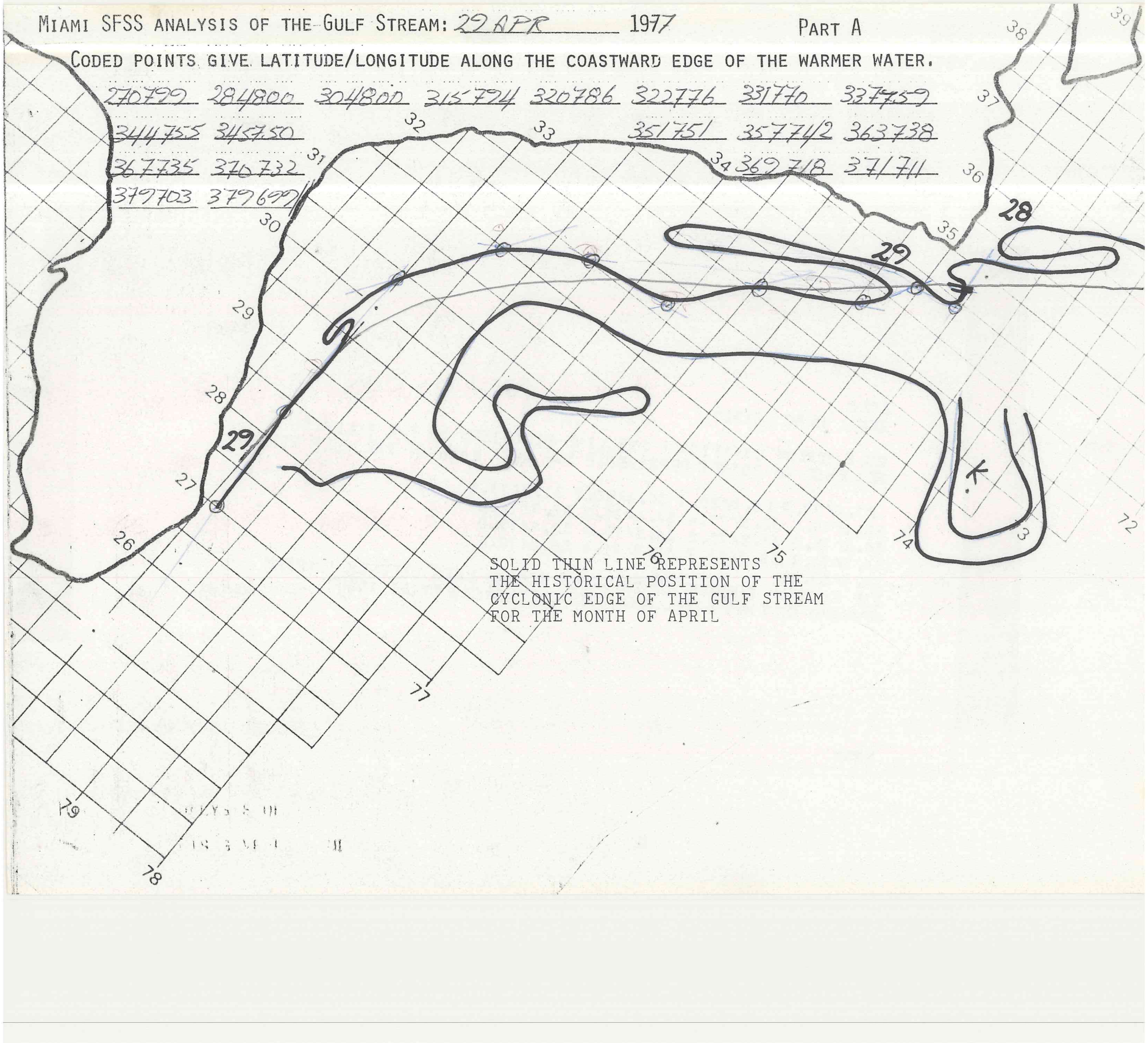


AREA OF WM
ACYCLY SLOWING
WATER BNDD BY:
242889/251899/
267896/279887/
280880/272868/
261869/242889//

MIAMI SFSS ANALYSIS OF THE GULF STREAM: 29 APR 1977 PART A

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

270799 284800 304800 315794 320786 322776 331770 337759
344755 345750 351751 357742 363738
367735 370732 369718 371711
379703 379699



V

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SXNT1 KWBC 291940

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

27.0/79.9 29.0/80.1 30.1/80.1 31.7/79.6
32.1/78.6 32.3/77.6 33.1/77.0 33.7/76.4
34.2/76.0 34.2/75.2 34.5/75.0 35.4/75.0
36.0/74.1 36.7/73.7 36.7/71.4 38.2/70.2
38.4/69.4
THE MAXIMUM CURRENT OF THE GULF STREAM LIES BETWEEN 19†25KM
SEAWARD OF THIS LINE. ANALYSIS DATE 04/29/77 AT 1930

NNNN

MIAMI SFSS ANALYSIS OF THE GULF STREAM: 29 APR 1977 PART B

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