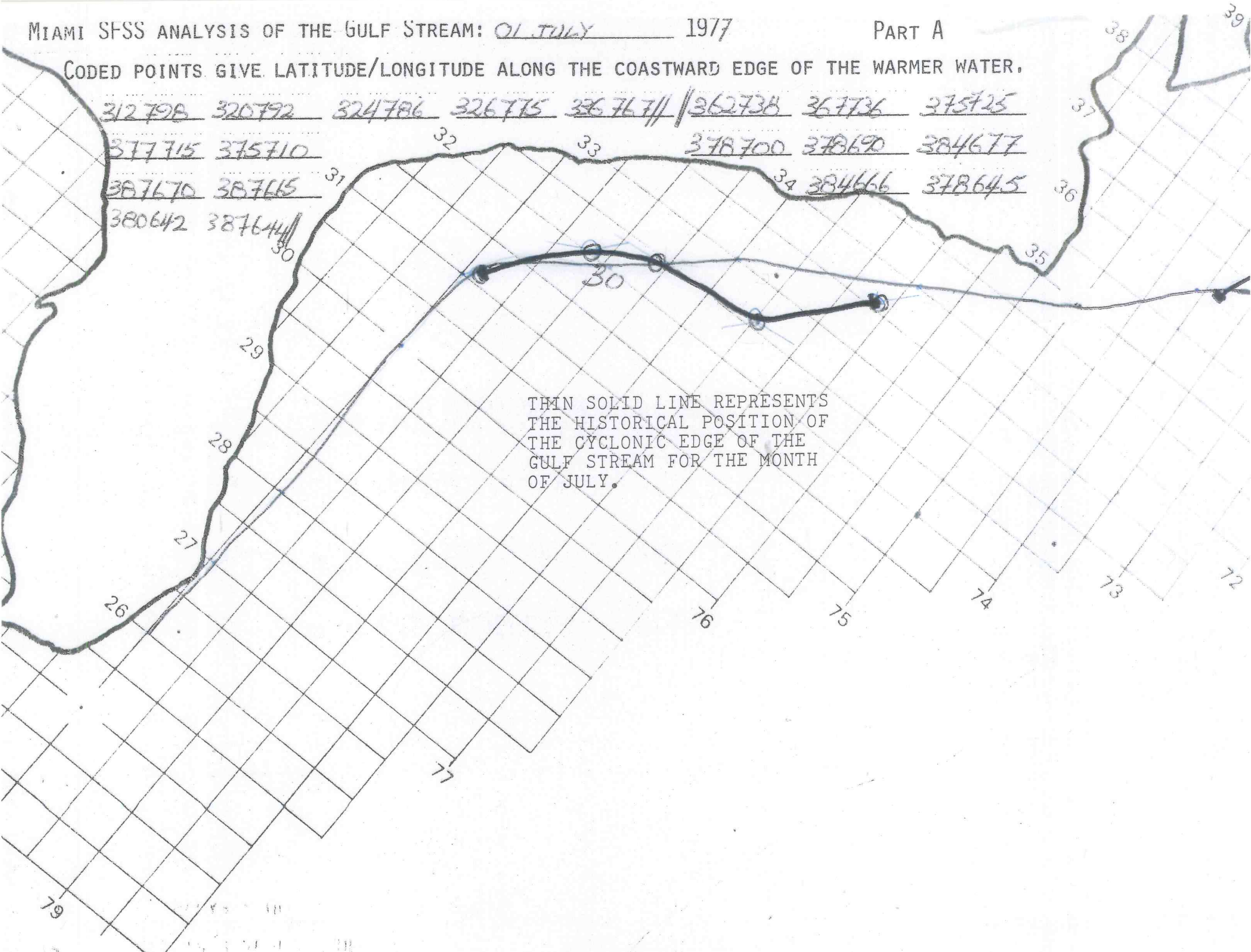


CODED POINTS GIVE LATITUDE/LONGITUDE ALONG THE COASTWARD EDGE OF THE WARMER WATER.

<u>312798</u>	<u>320792</u>	<u>324786</u>	<u>326775</u>	<u>336767</u>	<u>362738</u>	<u>367736</u>	<u>375725</u>
<u>377715</u>	<u>375710</u>				<u>378700</u>	<u>378690</u>	<u>384677</u>
<u>387670</u>	<u>387615</u>					<u>384666</u>	<u>378645</u>
<u>380642</u>	<u>387644</u>						

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



NNNNJA

ZCZC WBC248

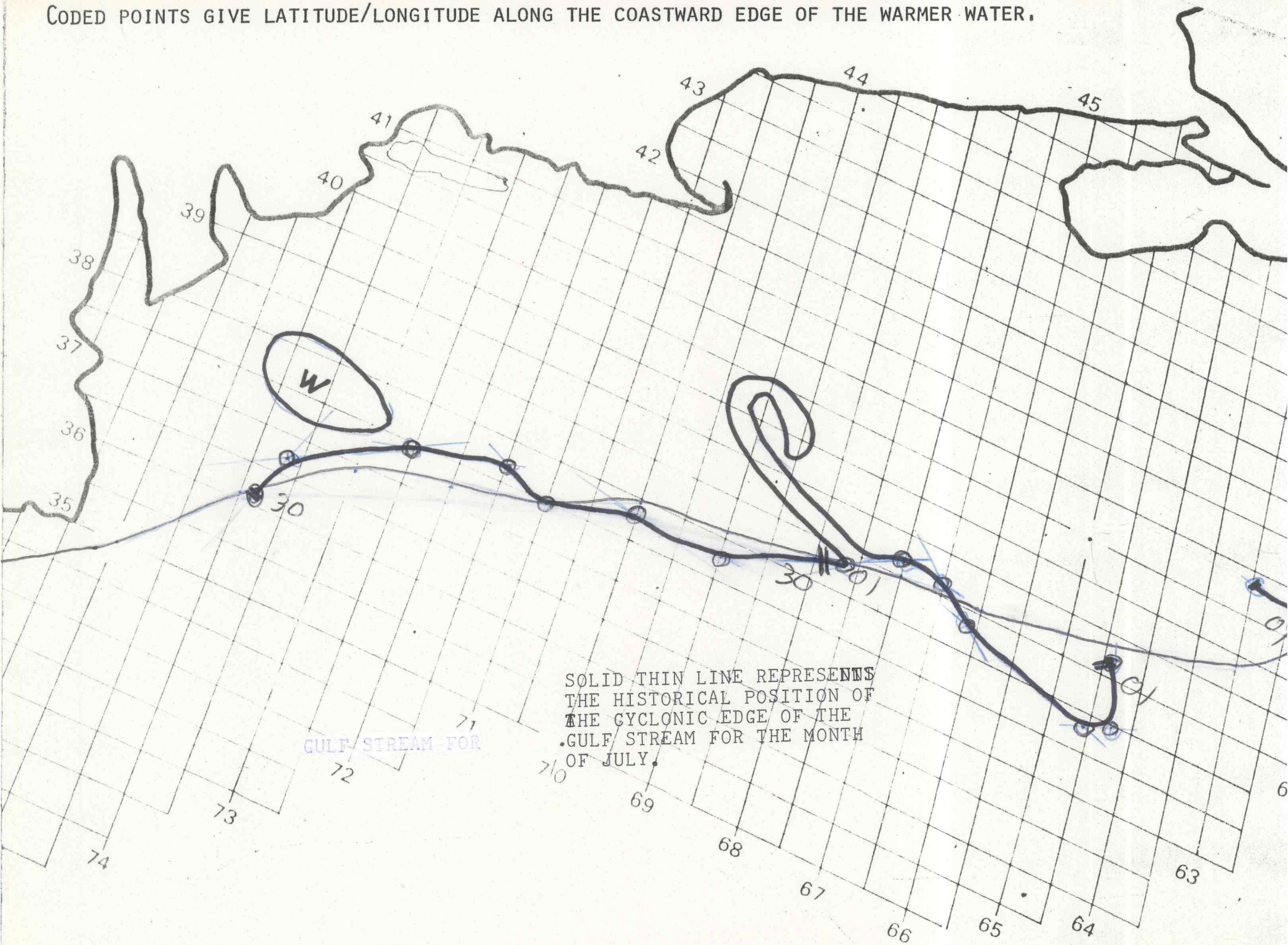
SXNT1 CWBC 011518

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

27.0/80.0	28.0/79.9	29.0/80.0	30.0/80.1
31.7/79.3	32.0/79.2	32.4/78.6	32.6/77.5
33.6/76.7	35.0/75.0	36.2/73.3	36.7/73.6
37.5/72.5	37.7/71.5	37.5/71.0	37.8/70.0
37.8/69.0	38.4/67.7	38.7/67.0	38.7/66.5
38.4/66.6	37.8/64.5	38.0/64.2	38.7/64.4
40.0/65.0	40.4/64.7	40.4/63.0	40.3/62.3

THE MAXIMUM CURRENT OF THE GULF STREAM LIES BETWEEN 19†25KM  
SEAWARD OF THIS LINE. ANALYSIS DATED 01 JUL 77 AT 1300Z

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 JULY.

GULF STREAM FOR

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

267799 280798 284800 // 336764 343751 351746 356740 364737

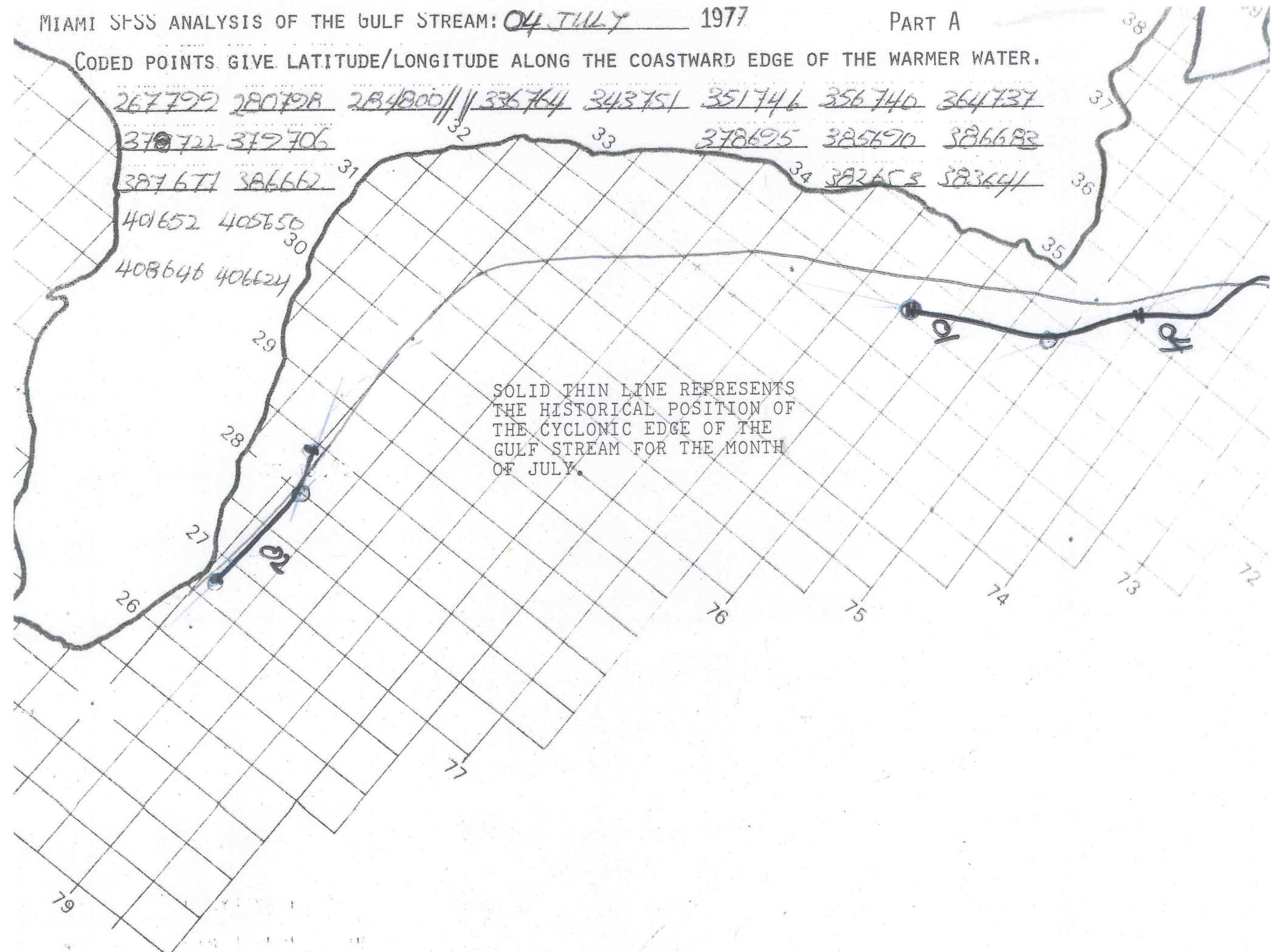
370722 379706 378695 385690 386683

387671 386662 382653 383644

40652 405650

408646 406624

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



V

ZCZC

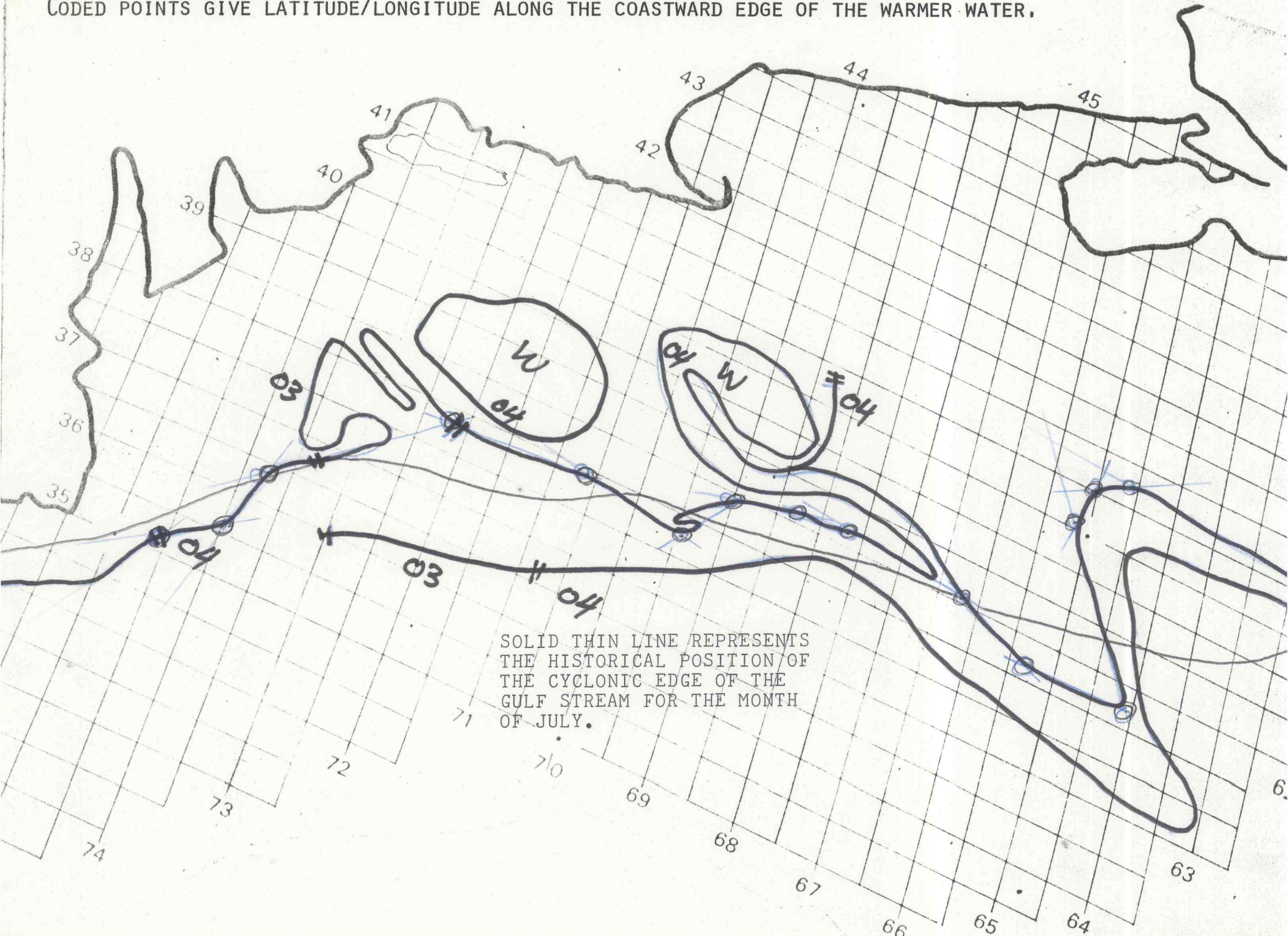
SXNTI KWBC 041254Z

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

27.0/79.9 28.0/79.8 29.0/80.1 30.1/79.9  
30.1/79.9 32.1/79.1 32.5/78.3 32.5/77.8  
33.6/76.4 34.3/75.1 35.1/74.6 35.6/74.0  
36.4/73.7 37.8/72.2 37.9/70.6 37.8/69.5  
38.5/69.0 38.6/68.3 38.7/67.7 38.6/66.2  
38.2/65.3 38.3/64.1 40.1/65.2 40.5/65.0  
40.8/64.6 40.6/62.4

THE MAXIMUM CURRENT OF THE GULF STREAM LIES BETWEEN 19†25 KM  
SEAWARD OF THIS LINE. ANALYSIS DATEO 04 JULY 77 AT 1300Z

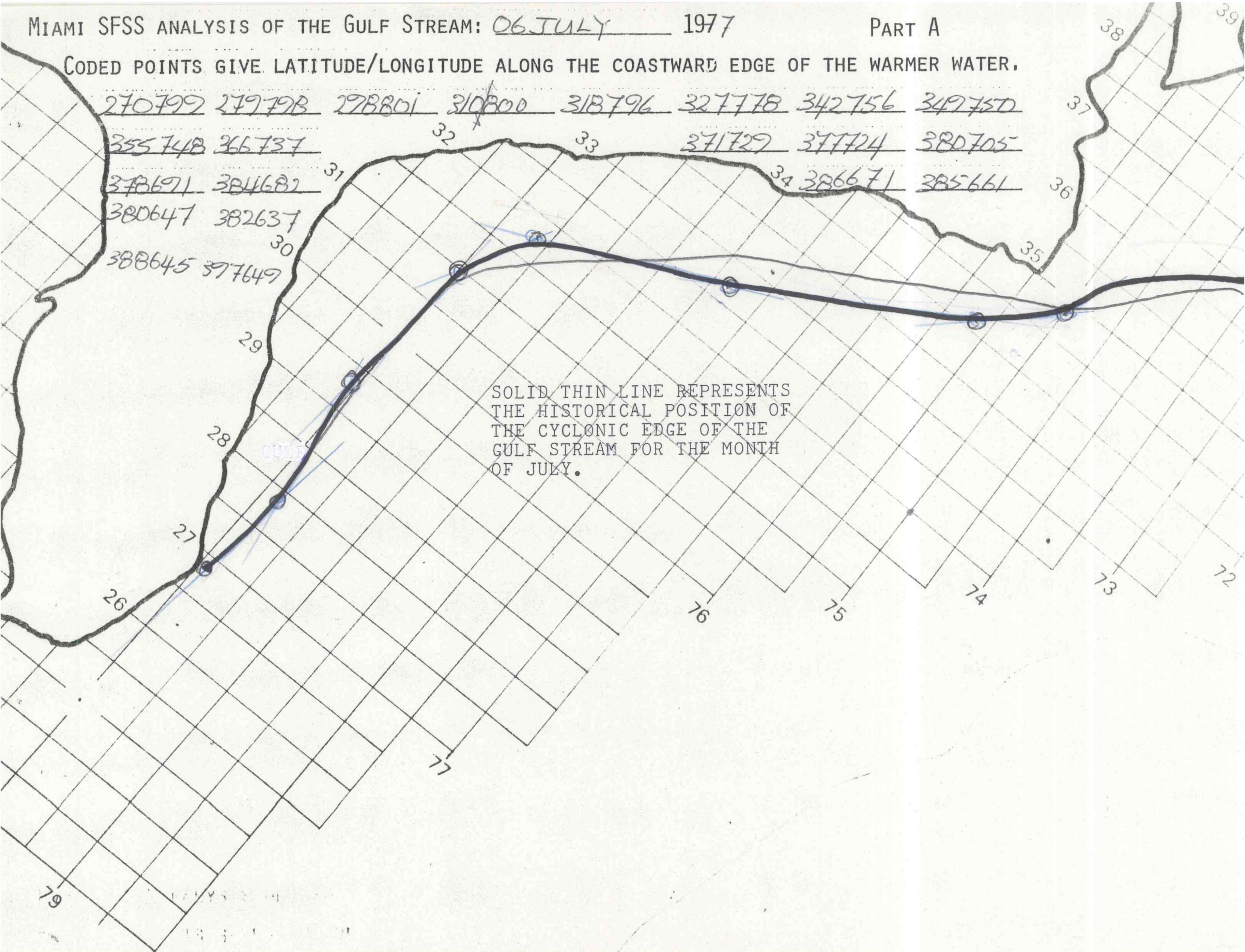
CODED POINTS GIVE LATITUDE/LONGITUDE ALONG THE COASTWARD EDGE OF THE WARMER WATER.



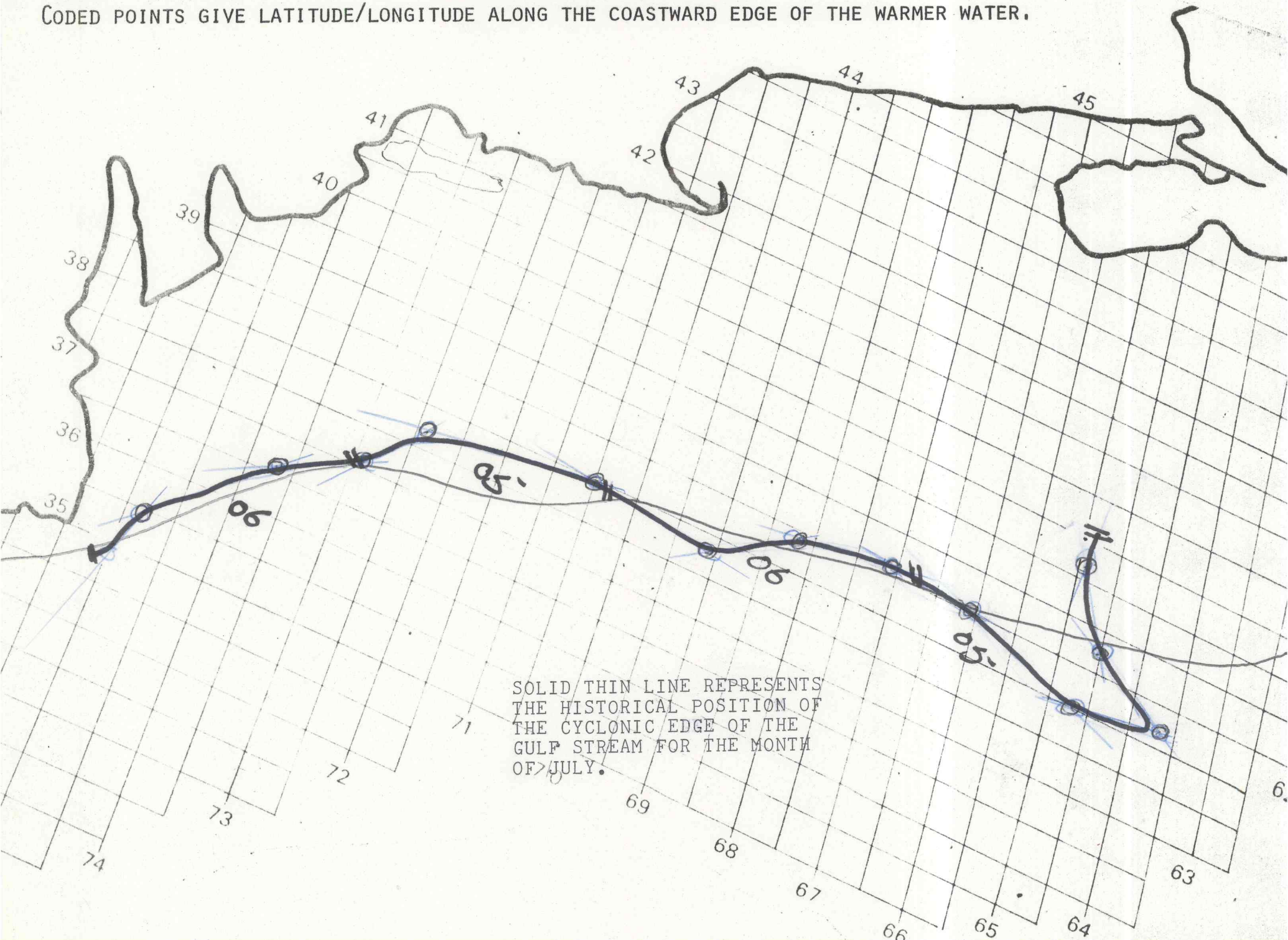
CODED POINTS GIVE LATITUDE/LONGITUDE ALONG THE COASTWARD EDGE OF THE WARMER WATER.

<u>270799</u>	<u>279798</u>	<u>278801</u>	<u>310800</u>	<u>318796</u>	<u>327778</u>	<u>342756</u>	<u>349750</u>
<u>355748</u>	<u>366737</u>				<u>371729</u>	<u>377724</u>	<u>380705</u>
<u>378691</u>	<u>384682</u>				<u>386671</u>	<u>385661</u>	
<u>380647</u>	<u>382637</u>						
<u>388645</u>	<u>397649</u>						

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



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 JULY.



GULF STREAM DISCUSSION

06 JULY 77

THE STREAM IS NEAR THE MEAN POSITION EXCEPT IN THE VICINITY OF 64.5°W, WHERE IT DIPS TO THE SOUTH NEARLY ONE DEGREE.

08 JULY 77

NO NEW DATA PAST 02 DAYS.

11 JULY 77.

THE STREAM IS NEAR THE MEAN POSITION W OF 70°W. THE WAVE BTN 70°W AND 67°W IS INCREASING IN AMPLITUDE. THE SHARP BEND E OF 64°W IS CLOSING OFF INTO A NEW WARM EDDY.

13 JULY 77

WV BTWN 70W AND 72W HAS MOVD EWD WITH LTLCG IN AMPLITUDE. WV BTWN 66W AND 69W HAS INCRD IN AMPLITUDE PRIMARILY ON EAST SIDE.

15 JULY 77

THE STREAM IS NEAR THE MEAN POSITION W OF 72W. WV BTWN 65W AND 68W HAS MOVED ESE WITH SLIGHT INCRS IN AMPLITUDE. WV BTWN 68W AND 71W HAS MOVED E AND INCREASED IN AMPLITUDE.

18 JULY 77.

THE STREAM REMAINS NEAR THE MEAN POSITION E OF 69°W. THE WAVE ~~XXXX~~ BTN 68°W AND 71°W HAS MOVED SLIGHTLY TO E AND INCREASED IN AMPLITUDE.

20 JULY 77.

NO NEW DATA PAST 02 DAYS.

22 JULY 77.

NO NEW DATA PAST 02 DAYS.

25 JULY 77

THE STREAM DEVIATES FROM THE MEAN POSITION NEAR 72°W , 70°W AND E OF 66.5°W.

27 JULY 77.

THE OLD EDDY/MEANDER NEAR 72°W APPEARS TO BE DIGGING FURTHER NORTH DURG PAST 02 DAYS; THE WAVE BOTTOM NEAR 70°W HAS MOVED FURTHER TO E PAST 02 DAYS IN AGREEMENT WITH DIGGING. THE LARGE FEATURE E OF 66°W HAS MOVED DOWNSTREAM A BIT AS THE ~~XXX~~ MEANDER APPEARS TO BE CUTTING OFF A NEW WARM EDDY.

29 JULY 77.

BITS AND PIECES OF DATA PAST 02 DAYS SHOW WV NR 70°W MOVG DOWNSTREAM, WITH INCRG ACYC BENDING BTN 69°W AND 68°W. LARGE PROTRUSION NOTED PREVIOUSLY E OF 63°W APPEARS TO HAVE DSIPTD.

01 AUGUST 77

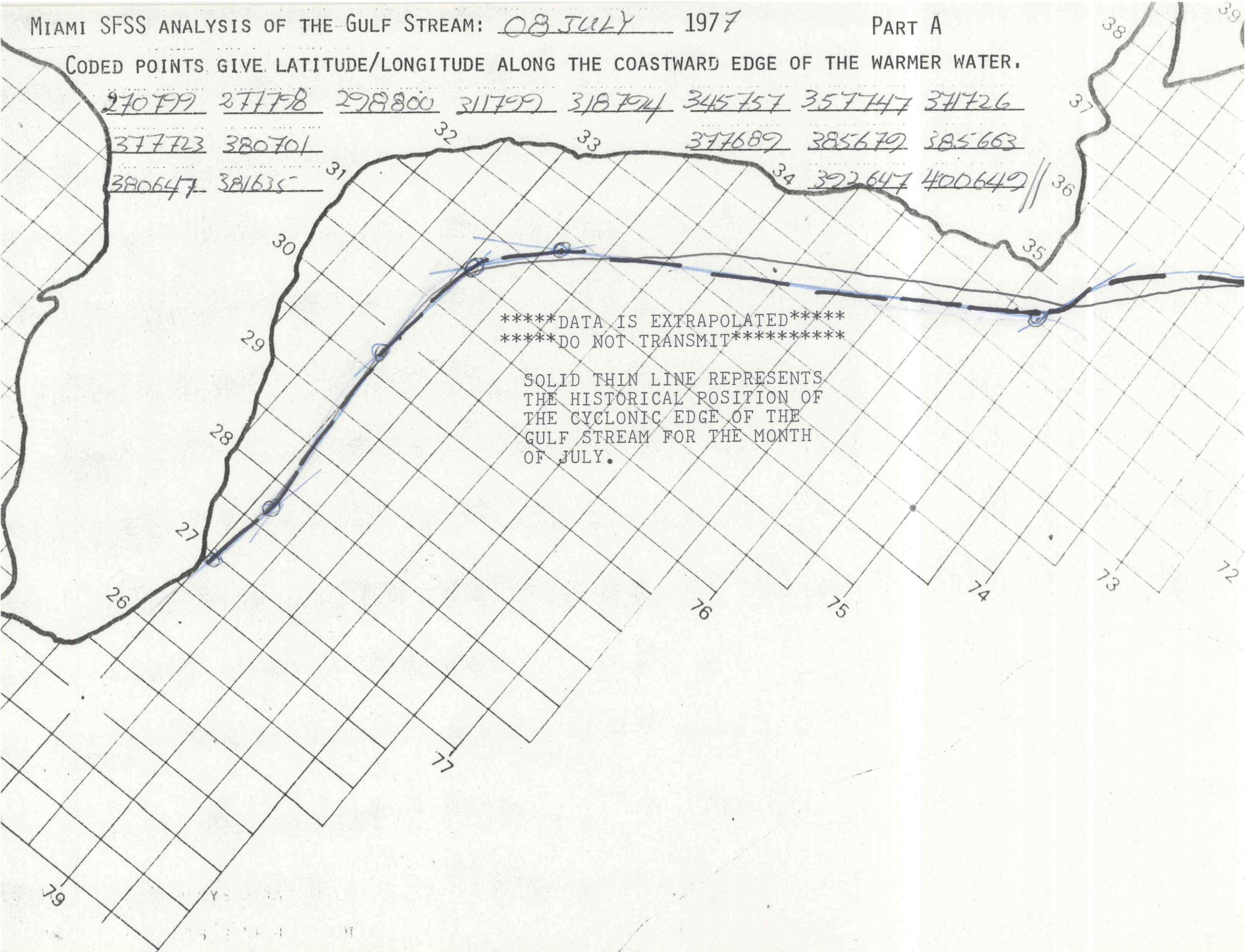
WV BTWN 70W AND 73W HAS CREST MVG TO NW. OTHER WVS ARE DRFTG DOWNSTREAM. NO DATA W OF 75W.

03 AUG 77.

NO NEW DATA PAST 02 DAYS.

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

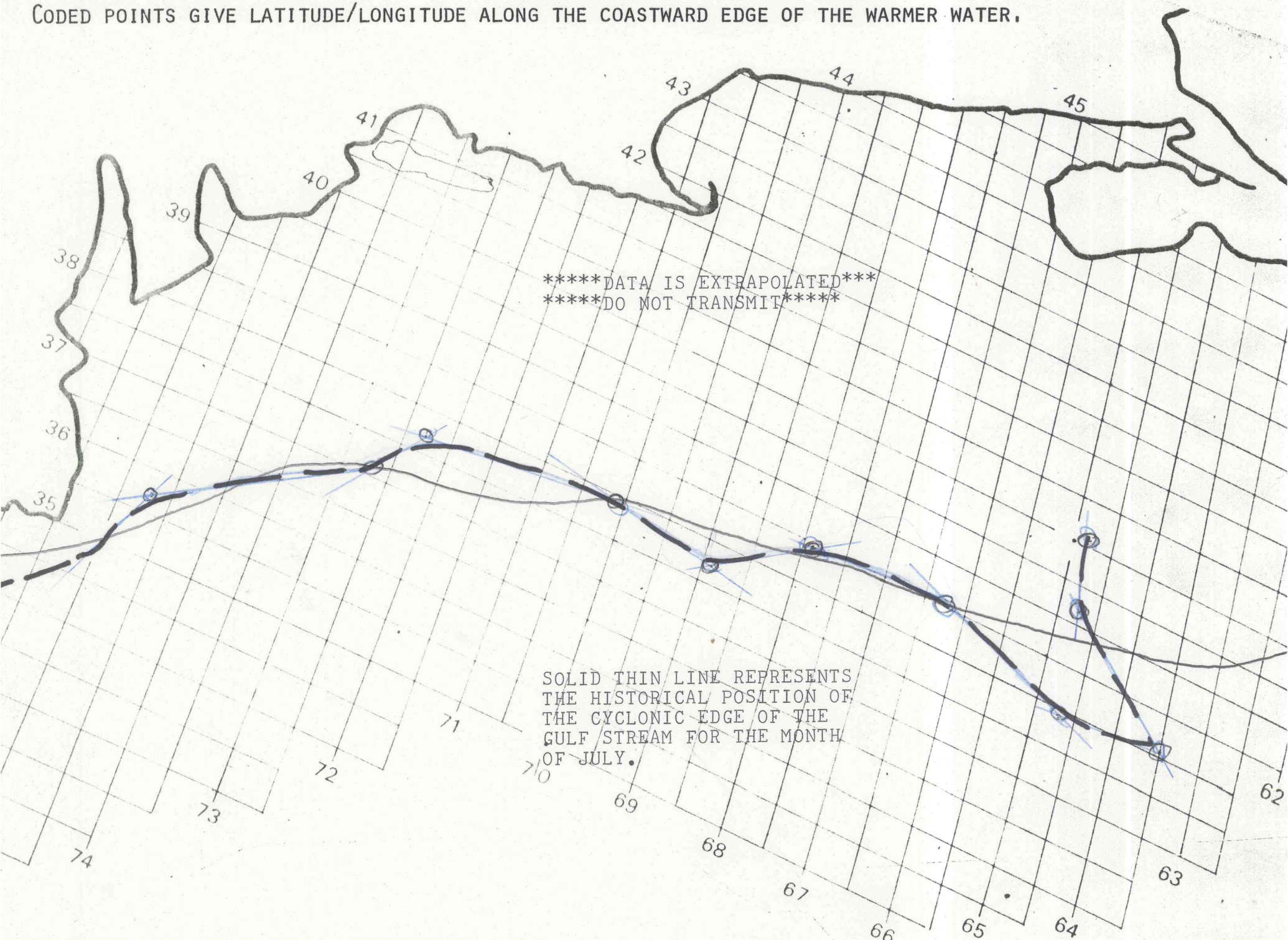
270799 277798 298800 311799 318794 345757 357747 371726  
377723 380701 377689 385679 385663  
380647 381635 392647 400649



\*\*\*\*\*DATA IS EXTRAPOLATED\*\*\*\*\*  
 \*\*\*\*\*DO NOT TRANSMIT\*\*\*\*\*

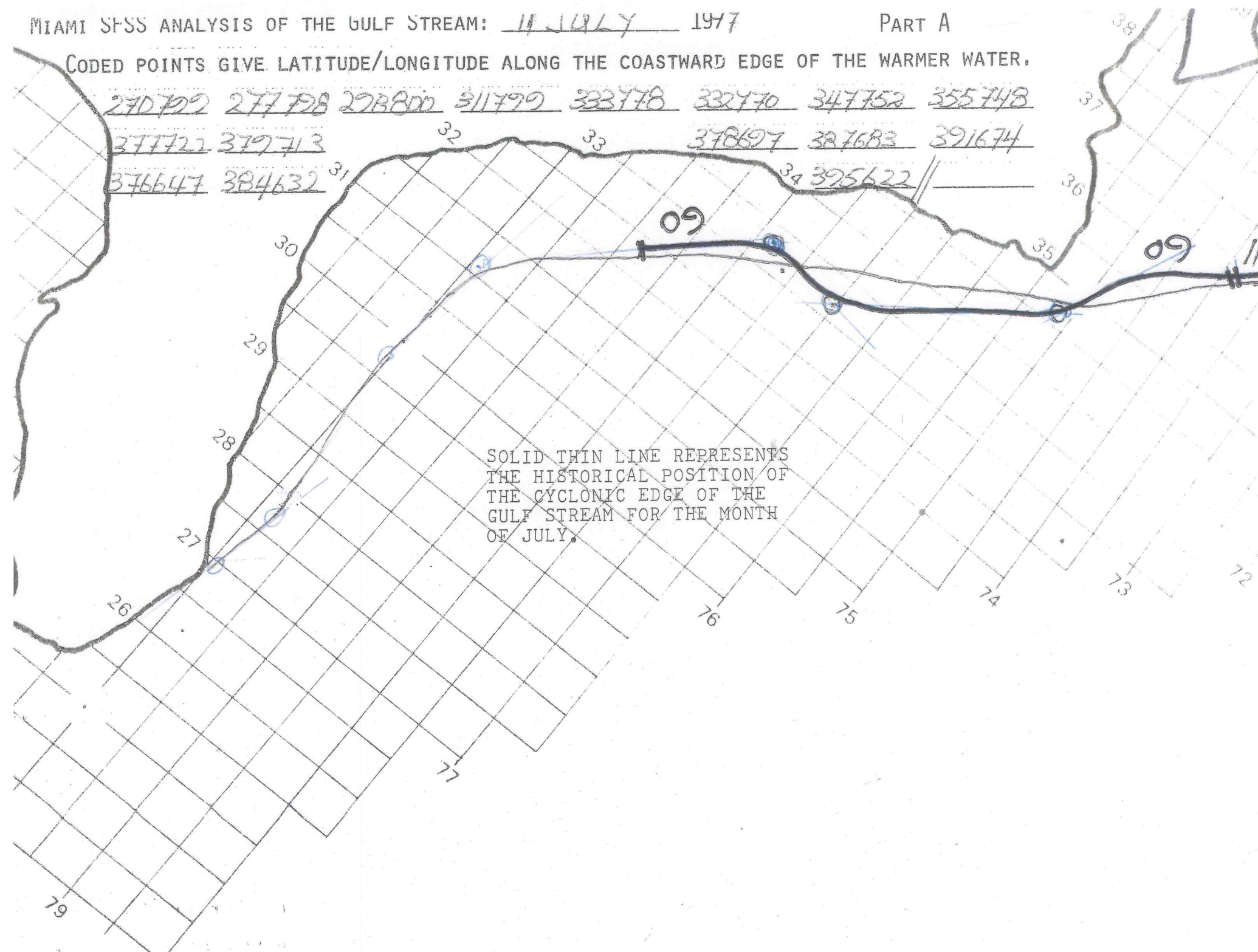
SOLID THIN LINE REPRESENTS  
 THE HISTORICAL POSITION OF  
 THE CYCLONIC EDGE OF THE  
 GULF STREAM FOR THE MONTH  
 OF JULY.

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



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

270709 277708 290800 311799 333778 332770 347752 355748  
377722 379713 376647 384632 378697 387683 391674  
395622



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

NNNN↓

ZCZC

SXNTI KWBC 111340

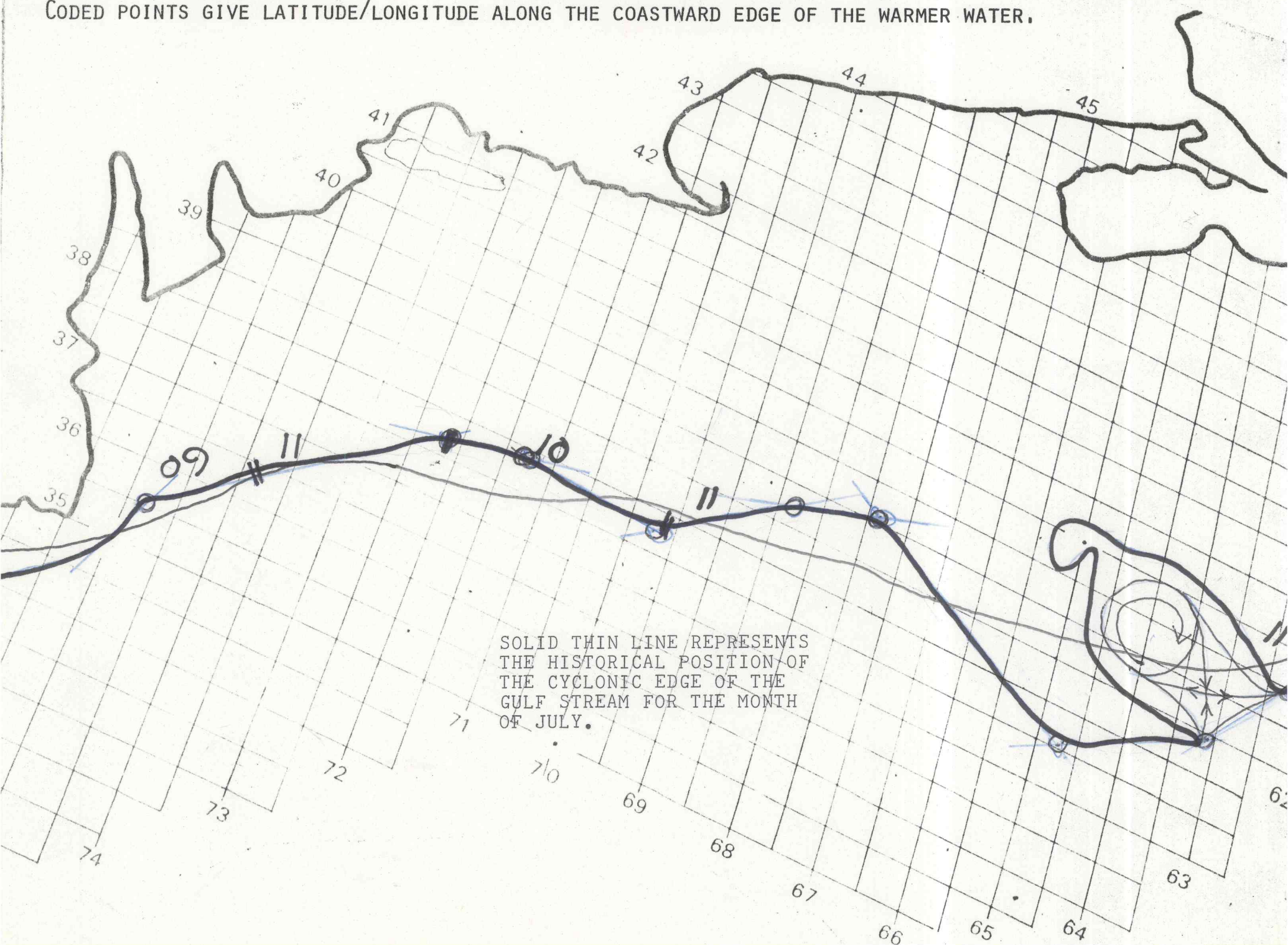
GULF STREAM LOCATION THE LINE DESCRIBED BY THE FOLLOWING  
SEQUENCE OF POINTS REPRESENT THE WEST WALL OF THE GULF STREAM.

27.0/79.9	27.7/79.8	29.8/80.0	31.1/79.9
33.3/77.3	33.2/77.0	34.7/75.2	35.5/74.8
37.7/72.2	37.9/71.3	37.8/69.7	38.7/68.3
39.1/67.4	37.6/64.7	38.4/63.2	39.5/62.2

THE MAXIMUM CURRENT OF THE GULF STREAM LIES BETWEEN 19-25 KM  
SEAWARD OF THIS LINE. ANALYSIS DATE 11 JULY 77 AT 1300Z

NNNN↓ VAKVAUVANV

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 JULY.

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

27.0/79.9 27.7/79.8 29.8/80.0 31.1/79.9

33.3/77.8 33.2/77.0 34.7/75.2 35.5/74.8

37.7/72.2 37.9/71.3 37.8/69.7 38.7/68.3

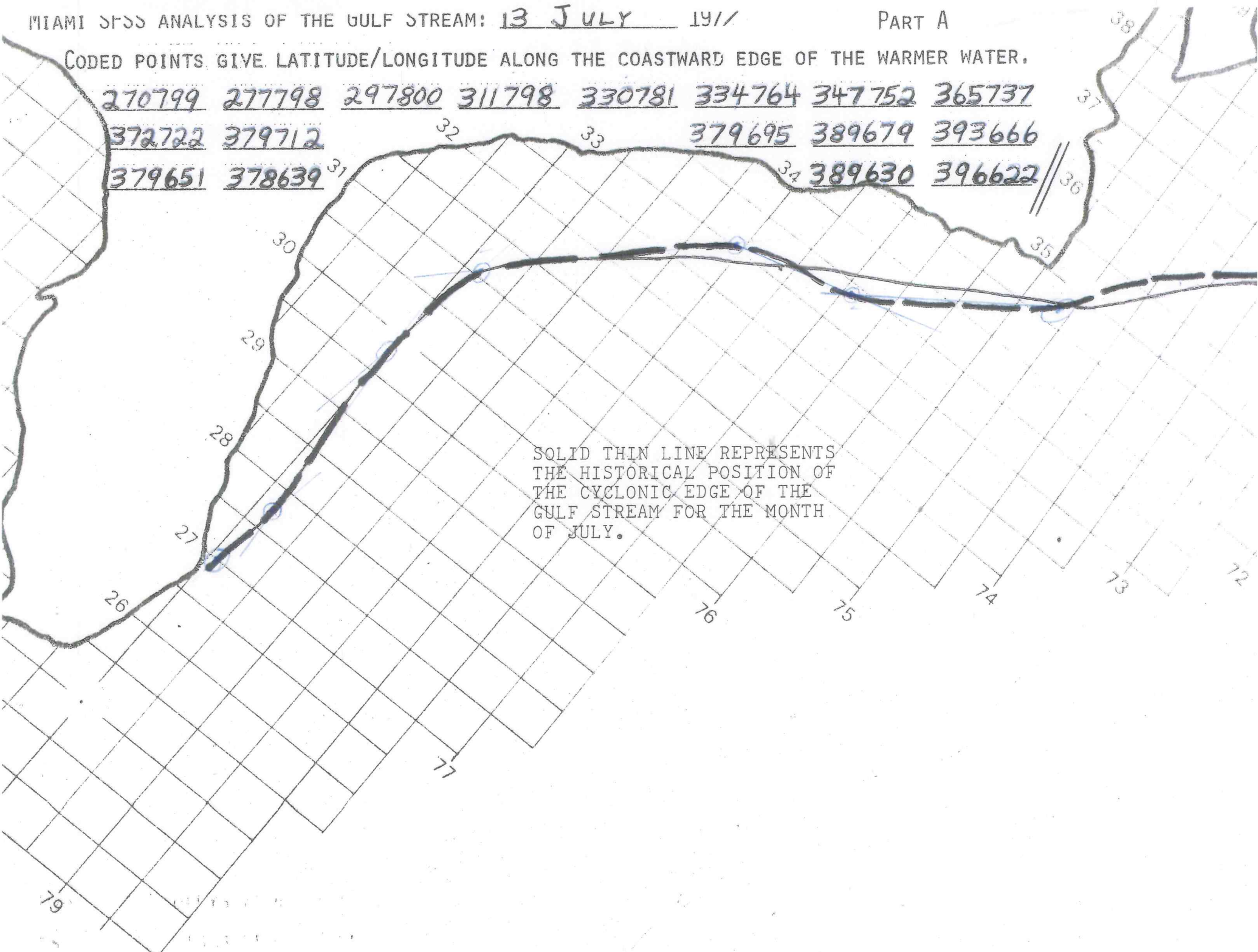
39.1/67.4 37.6/64.7 38.4/63.2 39.5/62.2

THE MAXIMUM CURRENT OF THE GULF STREAM LIES BETWEEN 19-25KM  
SEAWARD OF THIS LINE. ANALYSIS DATE: 11 JULY 77 at 1300Z.

PLEASE RELAY VIA CIRCUIT 7072  
SXNTI KWBBC TO MIAMI

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

<u>270799</u>	<u>277798</u>	<u>297800</u>	<u>311798</u>	<u>330781</u>	<u>334764</u>	<u>347752</u>	<u>365737</u>
<u>372722</u>	<u>379712</u>				<u>379695</u>	<u>389679</u>	<u>393666</u>
<u>379651</u>	<u>378639</u>					<u>389630</u>	<u>396622</u>



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





NNNN↓VANV

ZCZC

SXNTI KWBC 1405

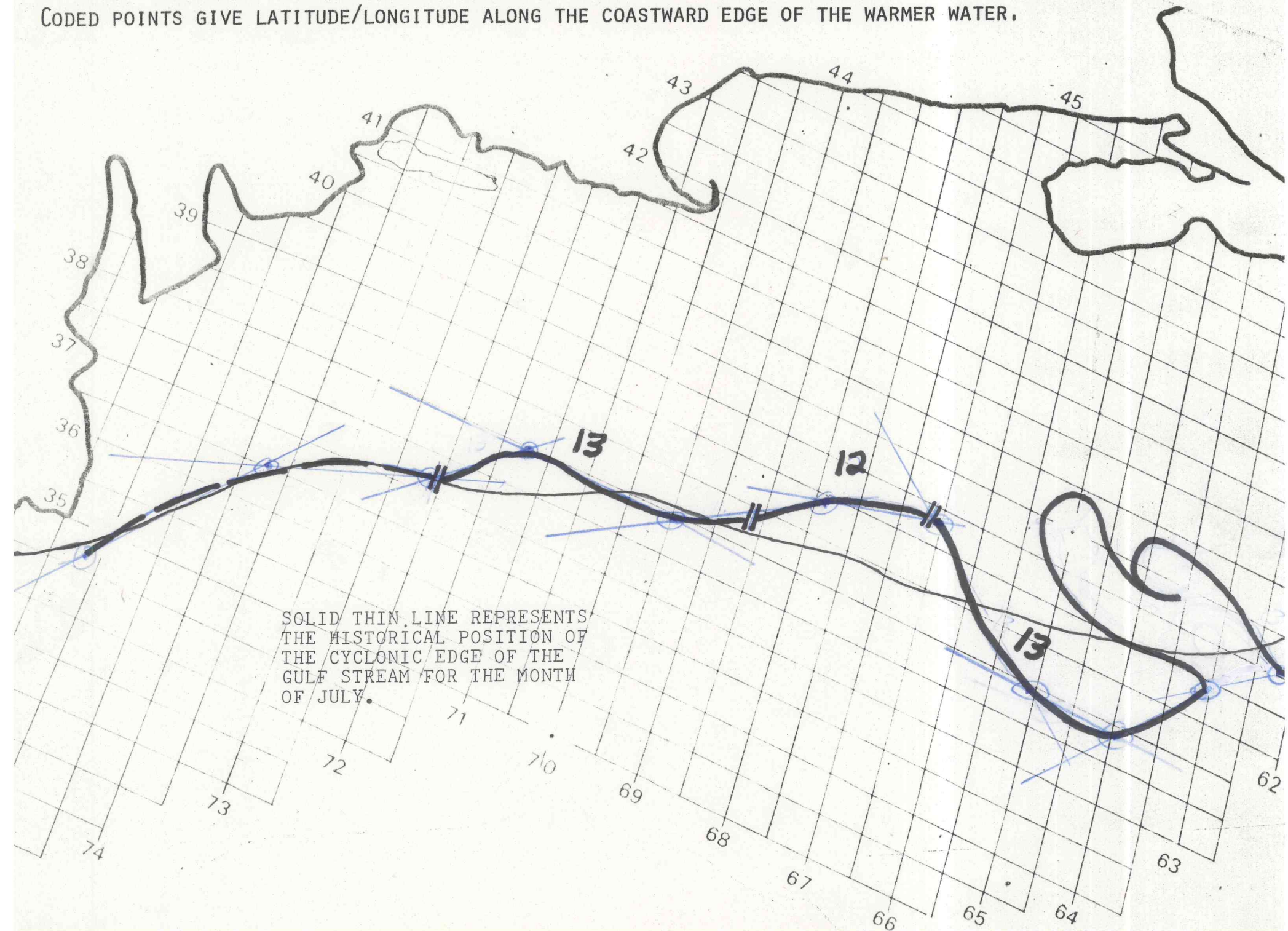
GULF STREAM LOCATIONH- THE LINE DESCRIBED BY THE FOLLOWING  
SEQUENCE OF POINTS REPRESENTS THE WEST WALL OF THE GULF STREAM.

27.0/79.9 27.7/79.8 29.7/80.0 31.1/79.8  
33.0/78.1 33.4/76.4 34.7/75.2 36.5/73.7  
37.2/72.2 37.9/71.2 37.9/69.5 38.9/67.9  
39.3/66.6 37.9/65.1 37.8/63.9 38.9/63.0  
39.6/62.2

THE MAXIMUM CURRENT OF THE GULF STREAM LIES BETWEEN 19-25 KM  
SEAWARD OF THIS LINE. ANALYSIS DATE. 13 JULY 77 AT 13Z

✓  
mm

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



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

27.0/79.9    27.7/79.8    29.7/80.0    31.1/79.8  
33.0/78.1    33.4/76.4    34.7/75.2    36.5/73.7  
37.2/72.2    37.9/71.2    37.9/69.5    38.9/67.9  
39.3/66.6    37.9/65.1    37.8/63.9    38.9/63.0  
39.6/62.2

THE MAXIMUM CURRENT OF THE GULF STREAM LIES BETWEEN 19-25KM  
SEAWARD OF THIS LINE. ANALYSIS DATE: 13 JULY 77 at 13Z

PLEASE RELAY VIA CIRCUIT 7072

SXNT1: KWBC TO MIAMI

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

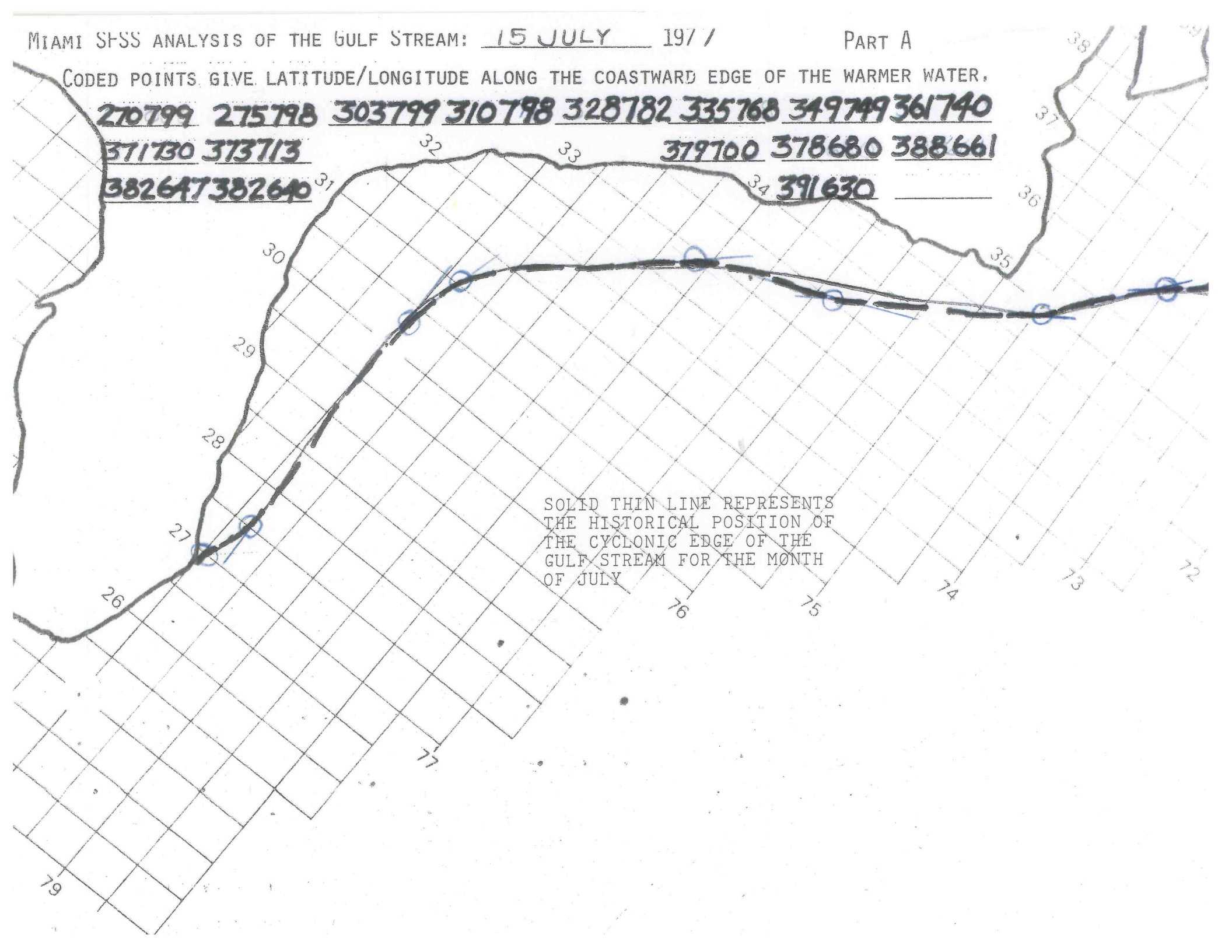
270799 275798 303799 310798 328782 335768 349749 361740

371730 373713

379700 378680 388661

382647 382640

391630



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

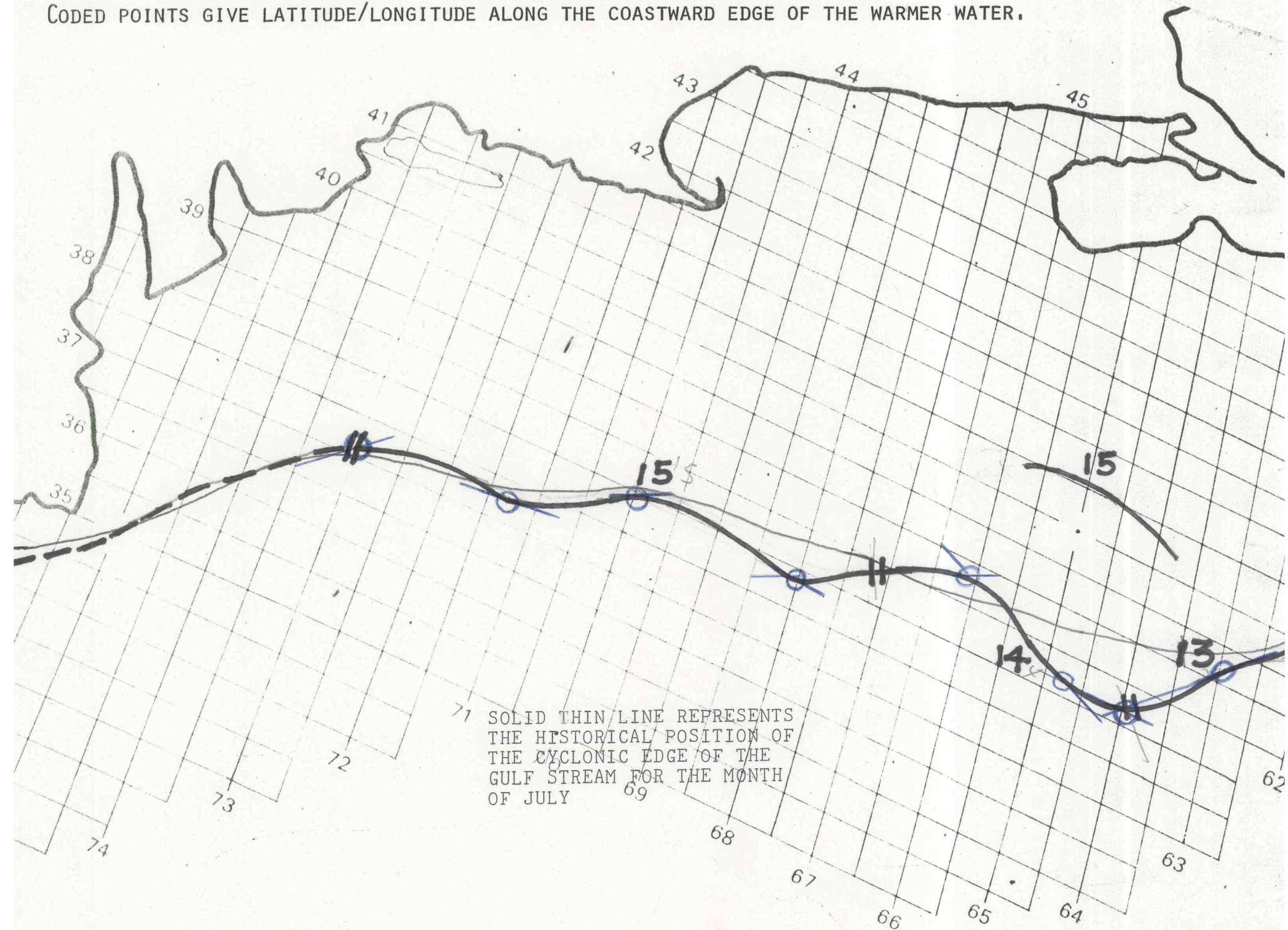
04170E PPTPN 08172E 08173E 08174E PPT20E 08175E PPT01S  
11 11 11 11 11 11  
08176E

NNNNJA  
ZCZC WBC816  
SXNT1 KWBC 151407  
GULF STREAM LOCATION THE LINE DESCRIBED BY THE FOLLOWING  
SEQUENCE OF POINTS REPRESENTS THE WEST WALL OF THE GULF STREAM.  
27.0/79.09 27.5/79.8 30.3/79.9 31.0/79.8  
32.8/78.2 33.5/76.8 34.9/74.9 36.1/74.0  
37.1/73.0 37.3/71.3 37.9/70.0 37.8/68.0  
38.8/66.1 38.2/64.7 38.2/64.0 39.1/63.0

THE MAXIMUM CURRENT OF THE GULF STREAM LIES BETWEEN 19-25KM S  
SEAWARD OF THIS LINE. ANALYSIS DATE 15 JULY 77 AT 13ZM

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

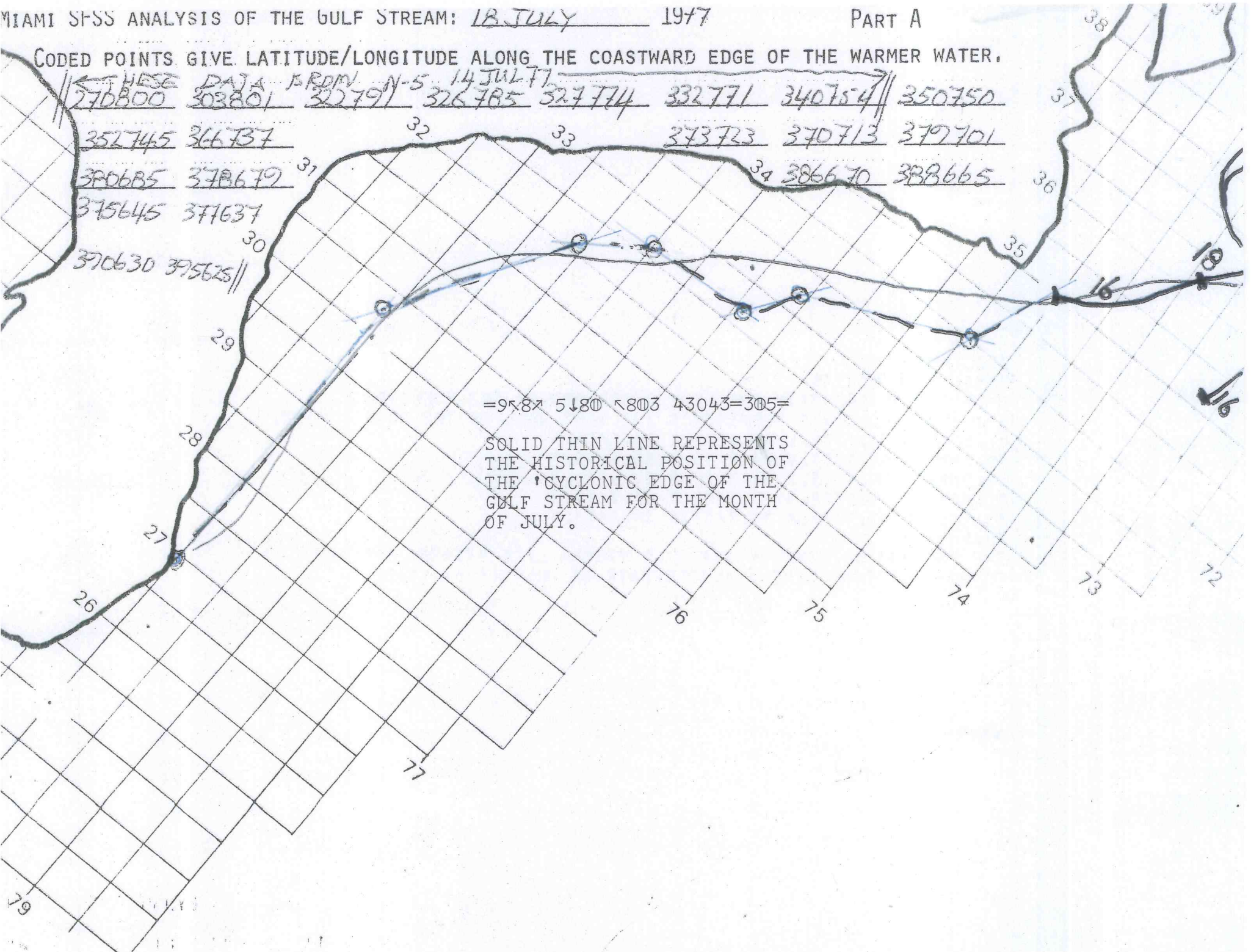
CODED POINTS GIVE LATITUDE/LONGITUDE ALONG THE COASTWARD EDGE OF THE WARMER WATER.



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

← THESE DATA FROM N-5 14 JUL 77 →

270800	303801	322791	326785	327774	332771	340754	350750
352745	366737				373723	370713	379701
380685	378679				386670	388665	
375645	371637						
370630	375625						



=9587 5180 5803 43043=305=

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

A  
ZCZC WBC590  
SXNTI KWBC 221545  
GULF STREAM LOCATION THE LINE DESCRIBED BY THE FOLLOWING  
SEQUENCE OF POINTS REPRESENTS THE WEST WALL OF THE GULF STREAM.  
27.0/80.0 30.3/80.1 32.2/79.1 32.6/78.5  
32.7/77.4 33.2/77.1 34.0/75.4 35.0/75.0  
35.2/74.5 36.6/73.7 37.3/72.3 37.0/71.3  
37.9/70.1 38.0/68.5 37.7/67.8 38.7/66.8  
38.9/66.4 37.4/64.4 37.7/63.6 39.0/63.0  
39.5/63.4  
THE MAXIMUM CURRENT OF THE GULF STREAM LIES BETWEEN 19-25KM  
SEAWARD OF THIS LINE ANALYSIS DATE 22 JULY 77 AT 1400Z

NNNN





NNNN↓VANV

ZCZC

SXNT1 KWBC 201601

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

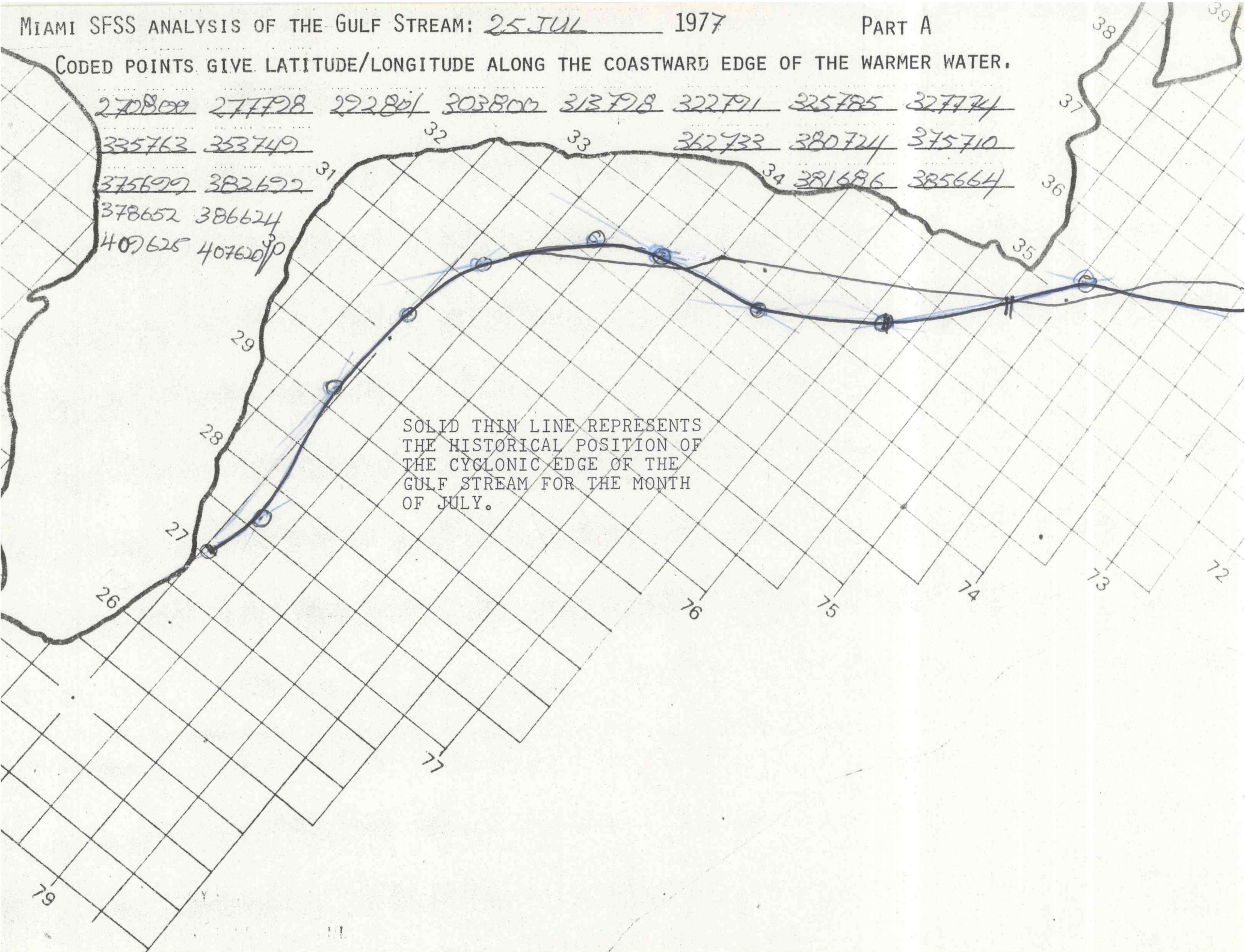
27.0/80.0	30.3/80.1	32.2/79.1	32.6/78.5
32.7/77.4	33.2/77.1	34.0/75.4	35.0/75.0
35.2/74.5	36.6/73.7	37.3/72.3	37.0/71.3
37.9/70.1	38.0/68.5	37.8/67.9	38.7/66.9
38.9/66.4	37.4/64.4	37.7/63.6	39.0/63.0
39.5/63.5			

THE MAXIMUM CURRENT OF THE GULF STREAM LIES BETWEEN 19†25 KM  
SEAWARD OF THIS LINE. ANALYSIS DATEO 20 JULY 77 AT 1300Z

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

<u>270800</u>	<u>277728</u>	<u>292801</u>	<u>303800</u>	<u>313728</u>	<u>322791</u>	<u>325785</u>	<u>327774</u>
<u>335763</u>	<u>353749</u>				<u>362733</u>	<u>380724</u>	<u>375710</u>
<u>375699</u>	<u>382692</u>				<u>34</u>	<u>381686</u>	<u>385664</u>
<u>378652</u>	<u>386624</u>						
<u>407625</u>	<u>407620</u>						

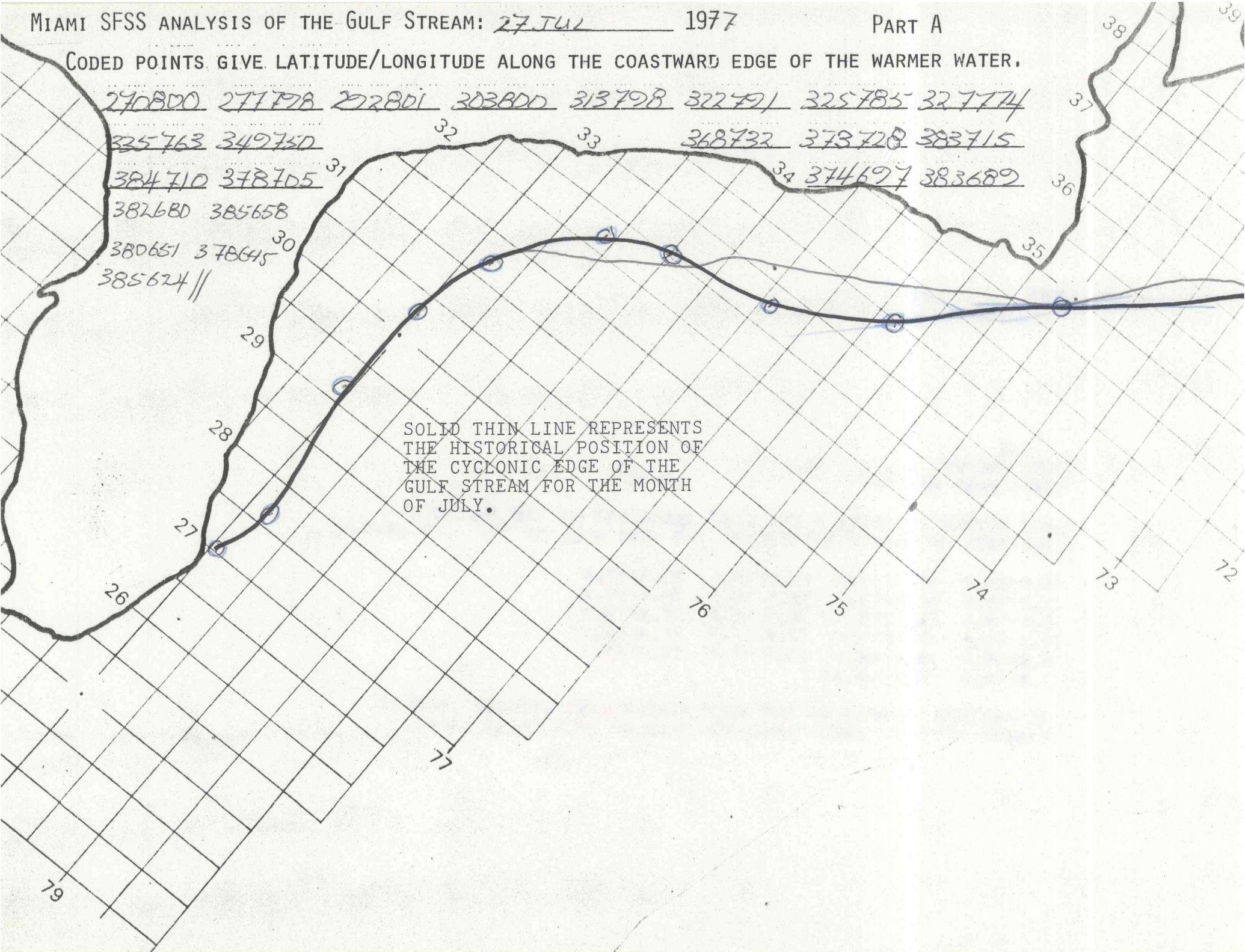
SOLID THIN LINE REPRESENTS THE HISTORICAL POSITION OF THE CYCLONIC EDGE OF THE GULF STREAM FOR THE MONTH OF JULY.





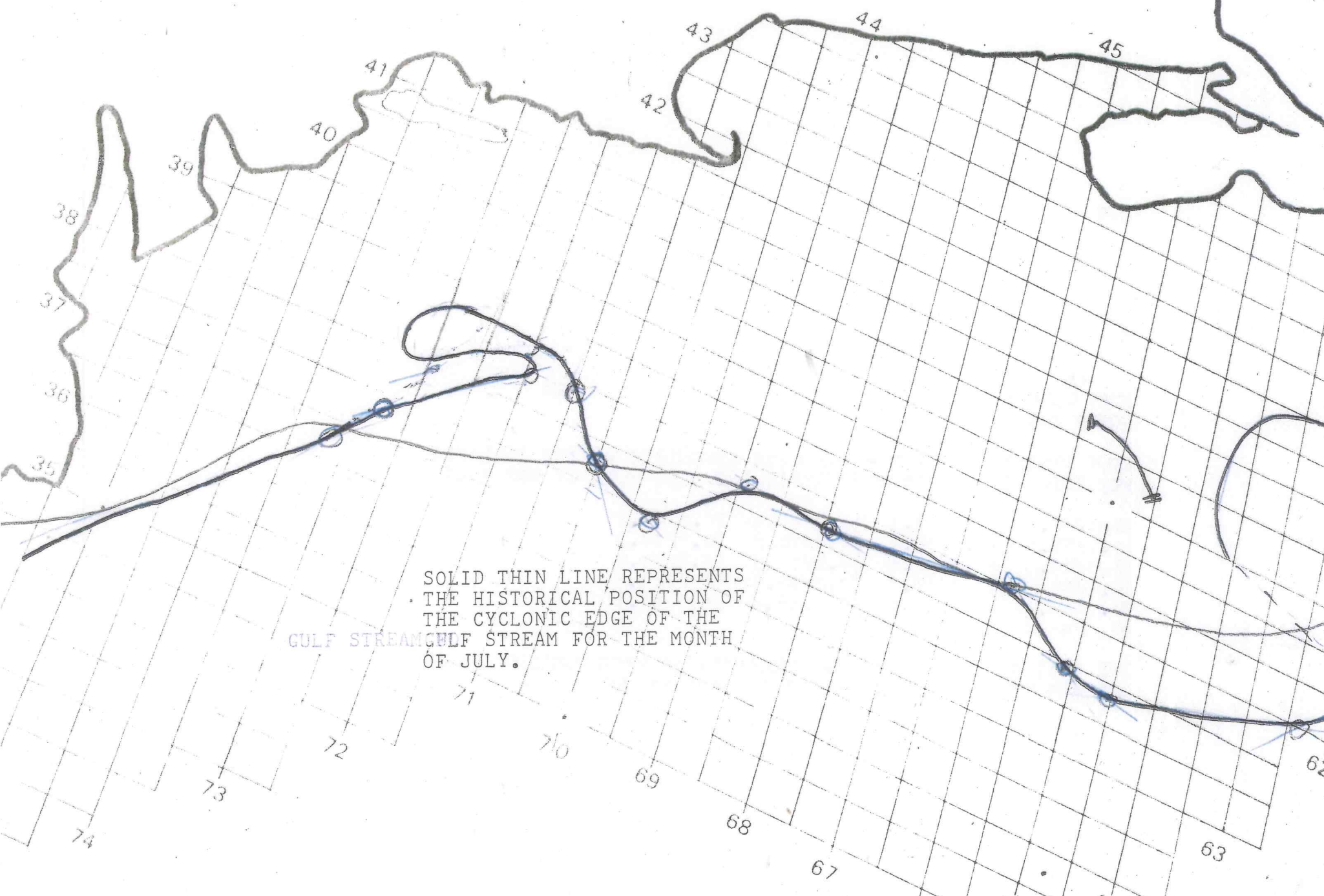
CODED POINTS GIVE LATITUDE/LONGITUDE ALONG THE COASTWARD EDGE OF THE WARMER WATER.

270800 277798 272801 303800 313798 322791 325785 327774  
325763 349750 368732 373728 383715  
384710 378705 374697 383689  
382680 385658  
380651 378645  
385624 ||



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

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 JULY.

NNNN

JUL 28 7 50 AM '77

↓A  
ZCZC WBC180  
SXNT1 KWBC 281136

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

27.0/80.0	27.7/79.8	29.2/80.1	30.3/80.0
31.3/79.8	32.2/79.1	32.5/78.5	32.7/77.4
33.5/76.3	34.9/75.0	36.8/73.2	37.3/72.8
38.3/71.5	38.4/71.0	37.8/70.5	37.4/69.7
38.3/68.9	38.2/68.0	38.5/65.8	38.0/65.1
27.8/64.5	38.5/62.4		

THE MAXIMUM CURRENT OF THE GULF STREAM LIES BETWEEN 19-25KM  
SEAWARD OF THIS LINE. ANALYSIS DATE 27 JULY 77 AT 1400Z.

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

270800 277798 292801 303800 313798 322791 325785 329776

336765 348750 355746 360739 366733

376728 380724 382719 384707

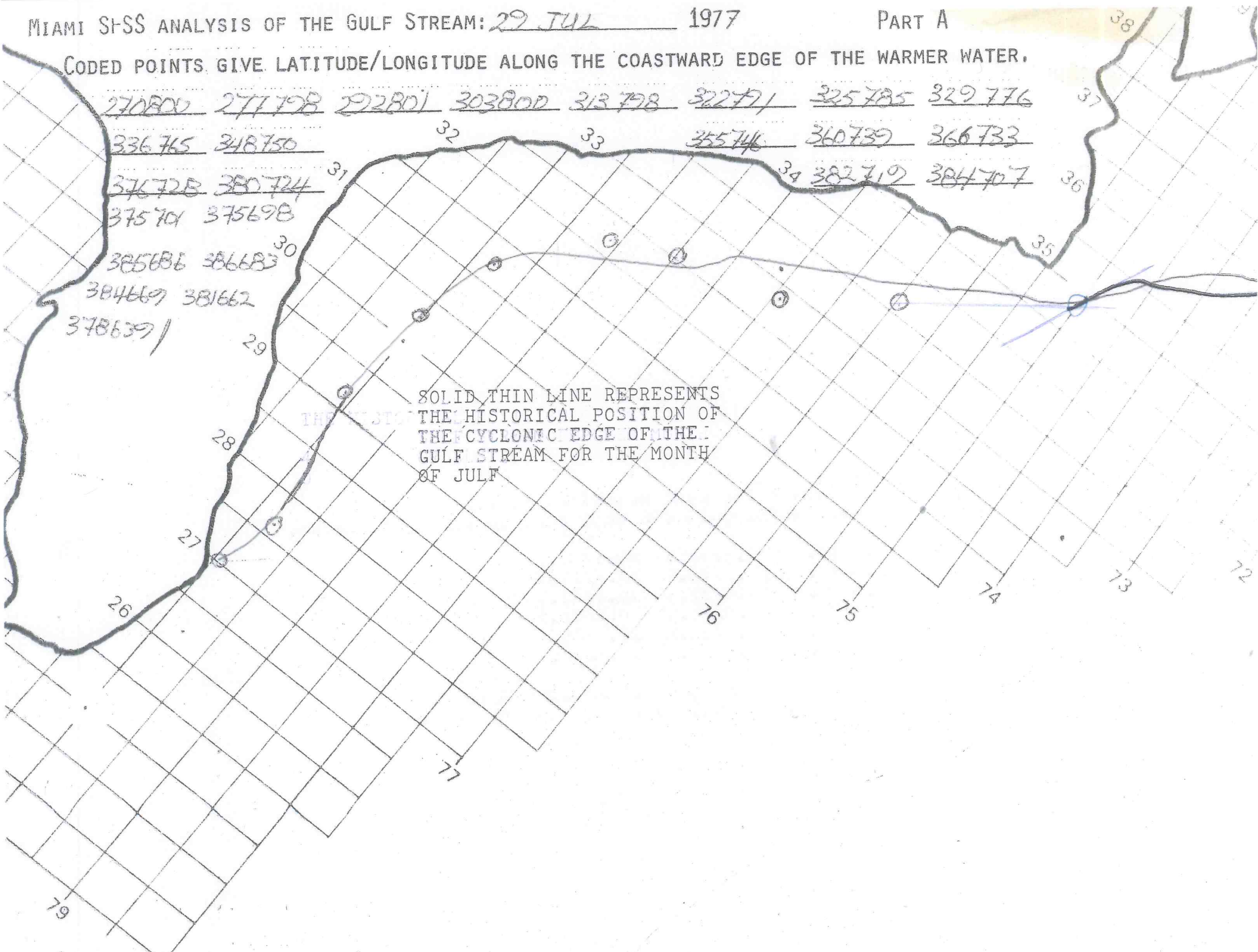
375701 375698

385686 386683

384669 381662

378639

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





NNNN

+

VANV

ZCZC

SXNTI KWBC 291316

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

27.0/80.0	27.7/79.8	29.2/80.1	30.3/80.0
31.3/79.8	32.2/79.1	32.5/78.5	32.9/77.6
33.6/76.5	34.8/75.0	35.5/74.6	36.0/73.9
36.6/73.3	37.6/72.8	38.0/72.4	38.2/71.9
38.4/70.7	37.5/70.1	37.5/69.8	38.5/68.6
38.6/68.3	38.4/66.9	38.1/66.2	37.8/63.9

THE MAXIMUM CURRENT OF THE GULF STREAM LIES BETWEEN 19+25 KM  
SEAWARD OF THIS LINE. ANALYSIS DATED 29 JUL 77 AT 1400Z.

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

