NOAA Data Report ERL PMEL-8

STREX TOVS/RADIOSONDE COMPARISON

PART I: TOVS/AVHRR AND RADIOSONDE INVENTORY

H. Michael Byrne

Pacific Marine Environmental Laboratory
Seattle, Washington
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UNITED STATES
DEPARTMENT OF COMMERCE
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Secretary

NATIONAL OCEANIC AND
ATMOSPHERIC ADMINISTRATION
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Introduction

This report is prepared in fulfillment of a NESS-sponsored investigation of the STREX (Fleagle et al., 1982) satellite data set. The data set consists of over 110 overpasses of the NOAA-6 polar orbiter. The work for this typical year, ending October 1982, consisted of translation of the Fairbanks, Alaska, ground station baseband CDA tapes to high-density (6250 bpi), computer-compatible tapes at the University of Miami RSMAS satellite oceanography group. The tapes are archived at the University of Miami under the supervision of Dr. Robert Evans. Additionally, a cross referencing of all STREX upper-air radiosonde data was made. The time and computer printouts of those approximately 200 stations are included in this report.

The body of this data report consists of four appendices. Appendix A is a catalog of 123 computer-generated coverage maps of the NOAA-6 overpasses. These maps show the coverage of the AVHRR scanner during the pass and, by inference, the coverage of the TOVS instruments also.

Appendix B is a tabulation of the STREX NAVAID radiosonde and aircraft dropsonde data taken during the experiment.

Appendix C consists of lists of translated passes including orbit number, date, and time, and the archive tape label at the University of Miami.

Appendix D is the tabulation of the NAVAID radiosonde computer printouts on microfiche.

The data tapes were written in Scripps archive format during March 1982 at the University of Miami.

Questions regarding the data set may be addressed to the author at:

The Analytic Science Corporation (TASC)
One Jacob Way
Reading, Mass. 01867

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*Contribution number 650 from the Pacific Marine Environmental Laboratory.

Appendix A

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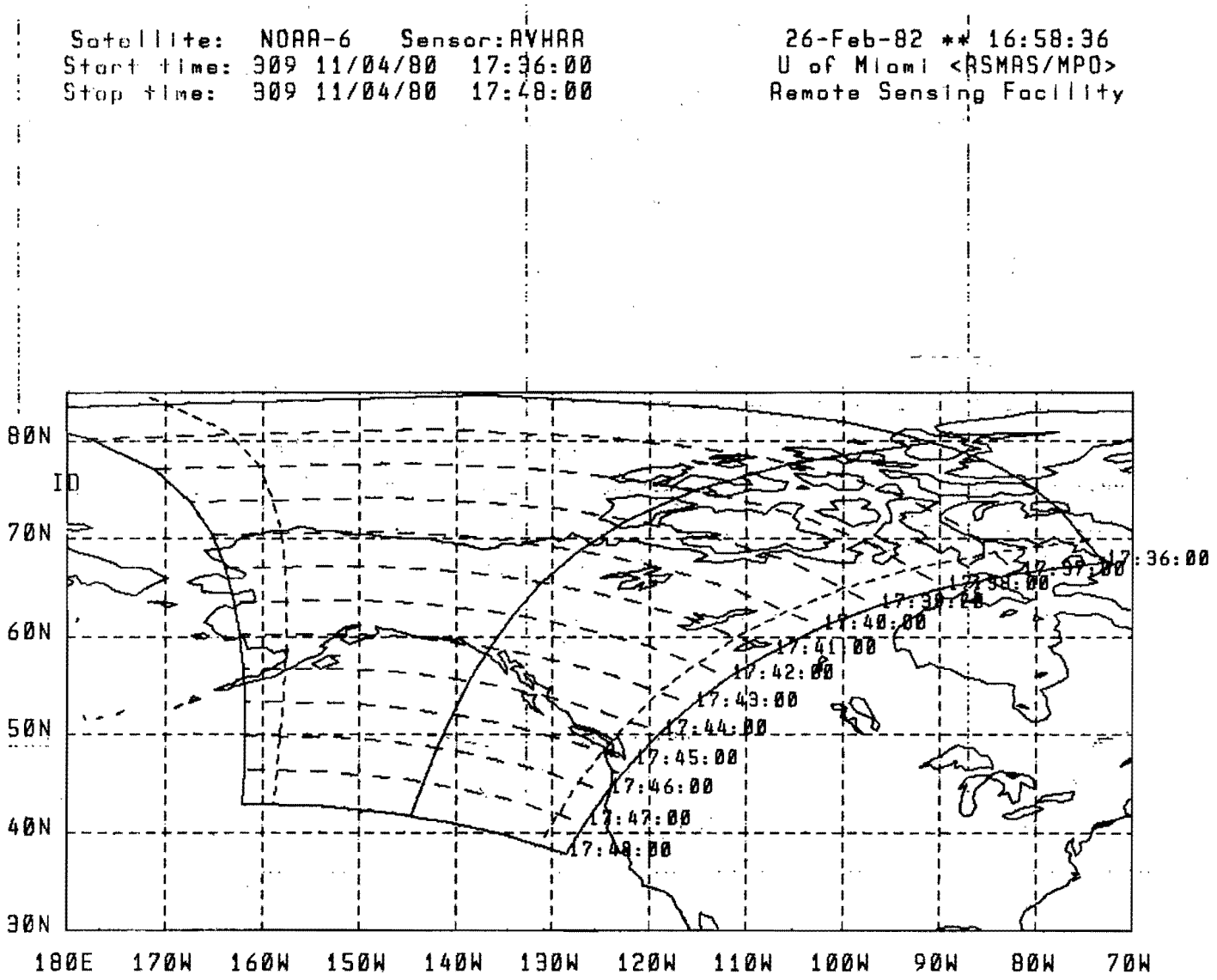
NOAA-6 Coverage Maps



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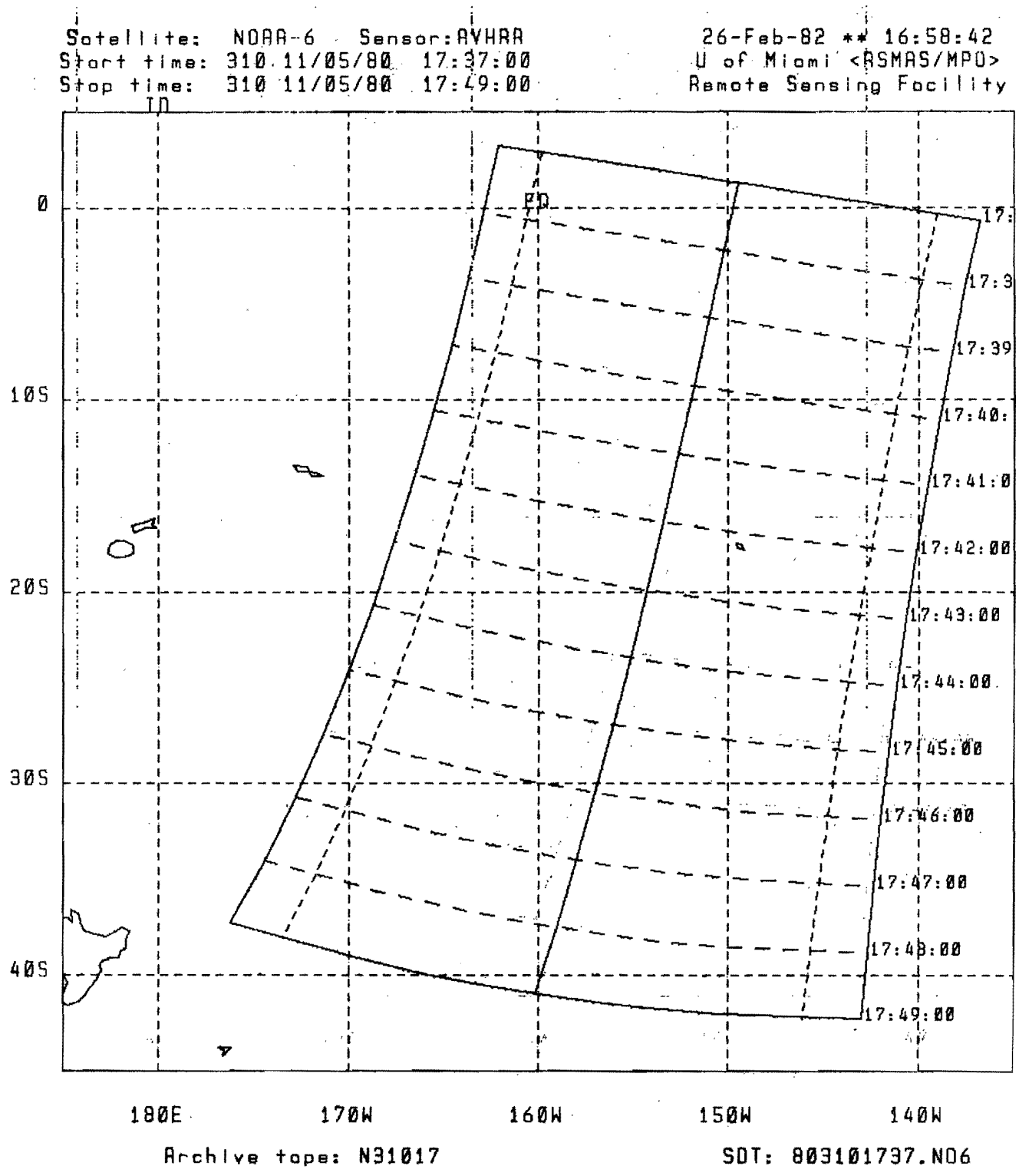
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40S
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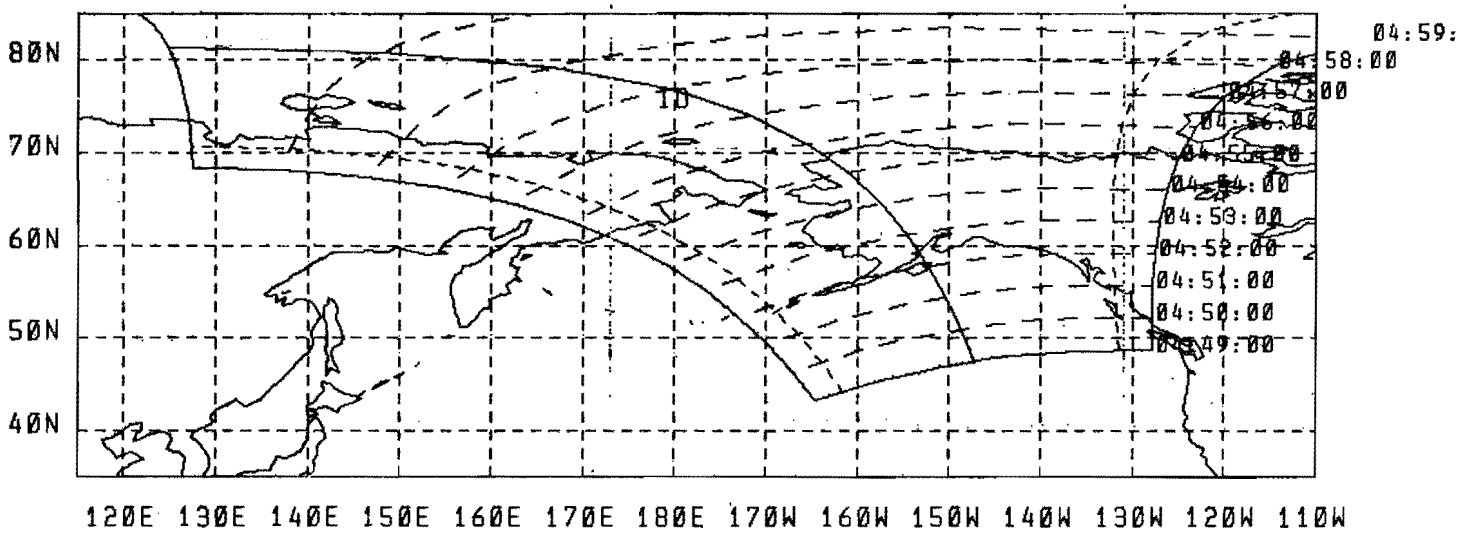

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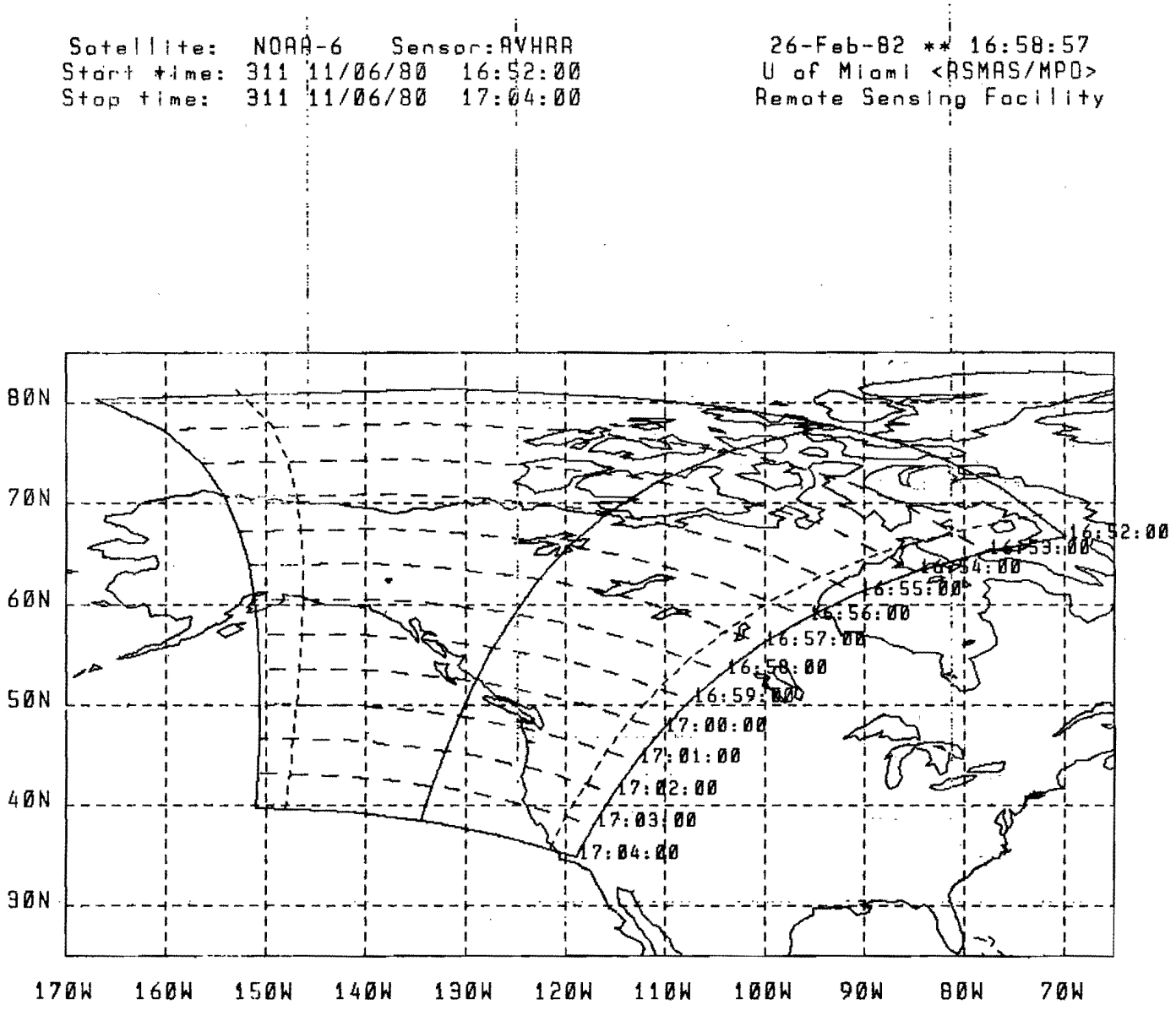

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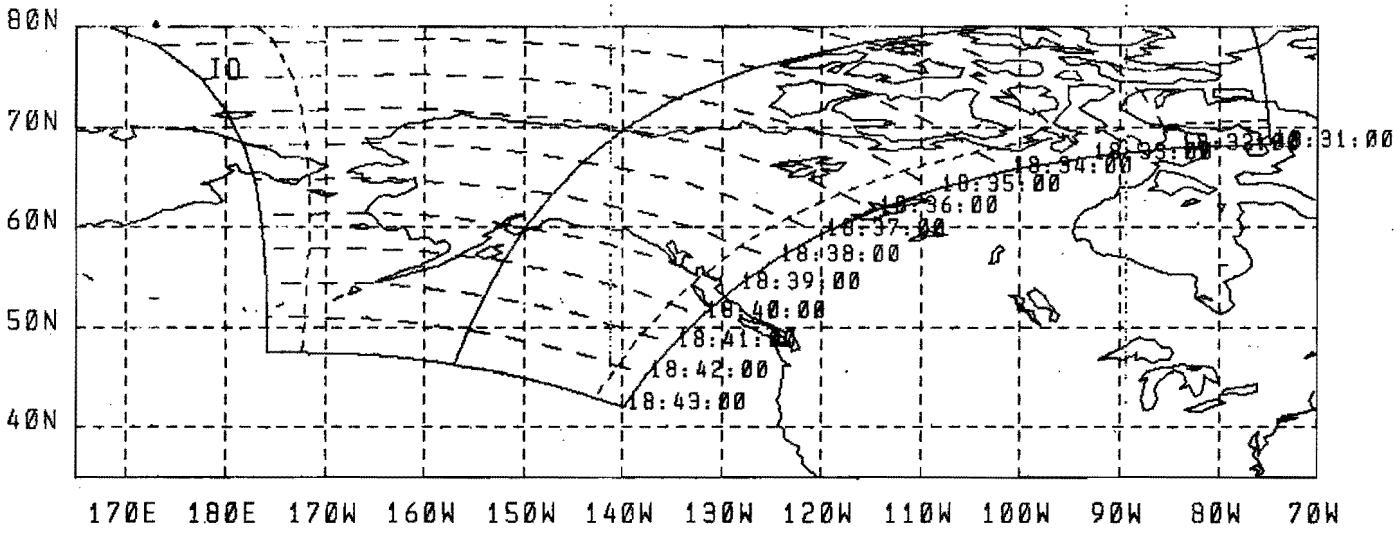

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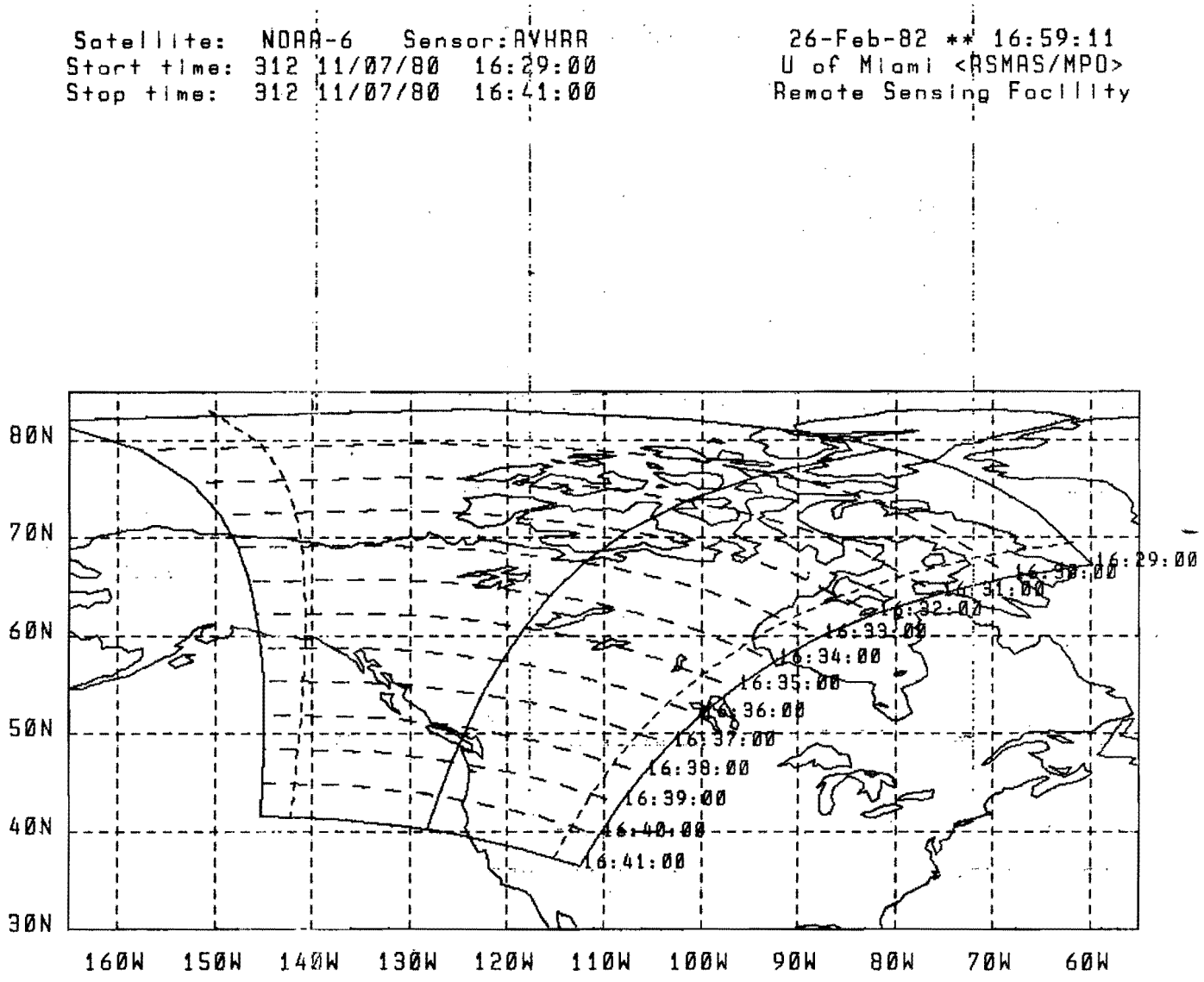
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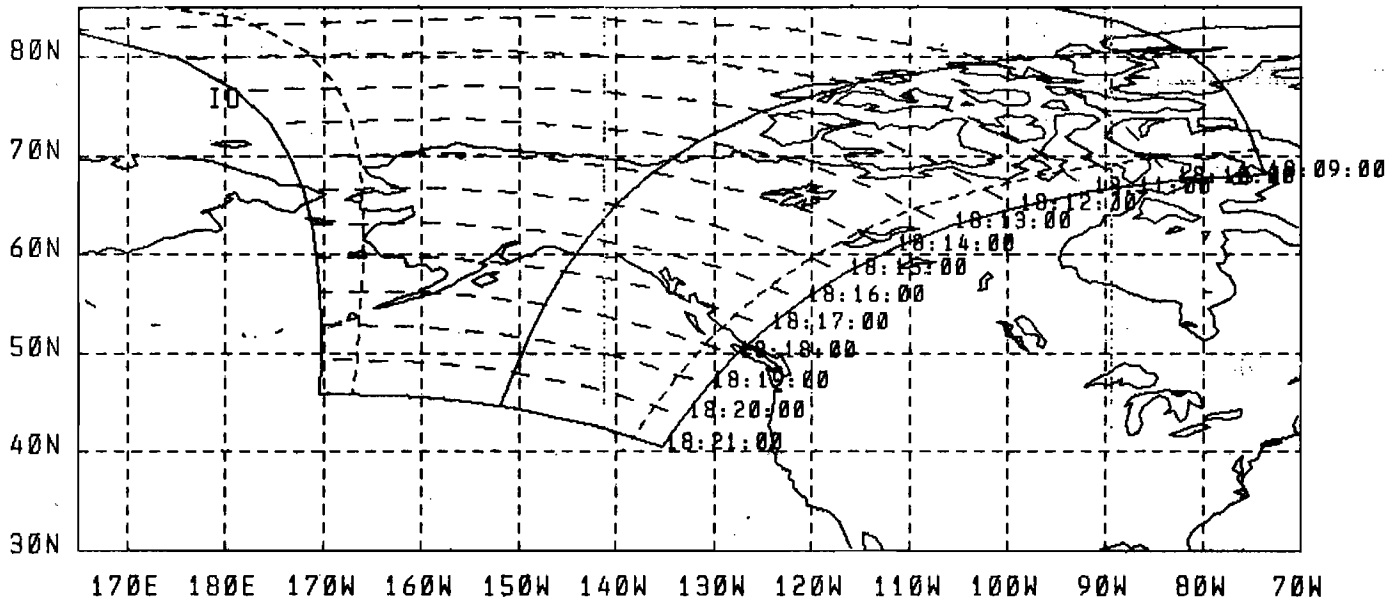

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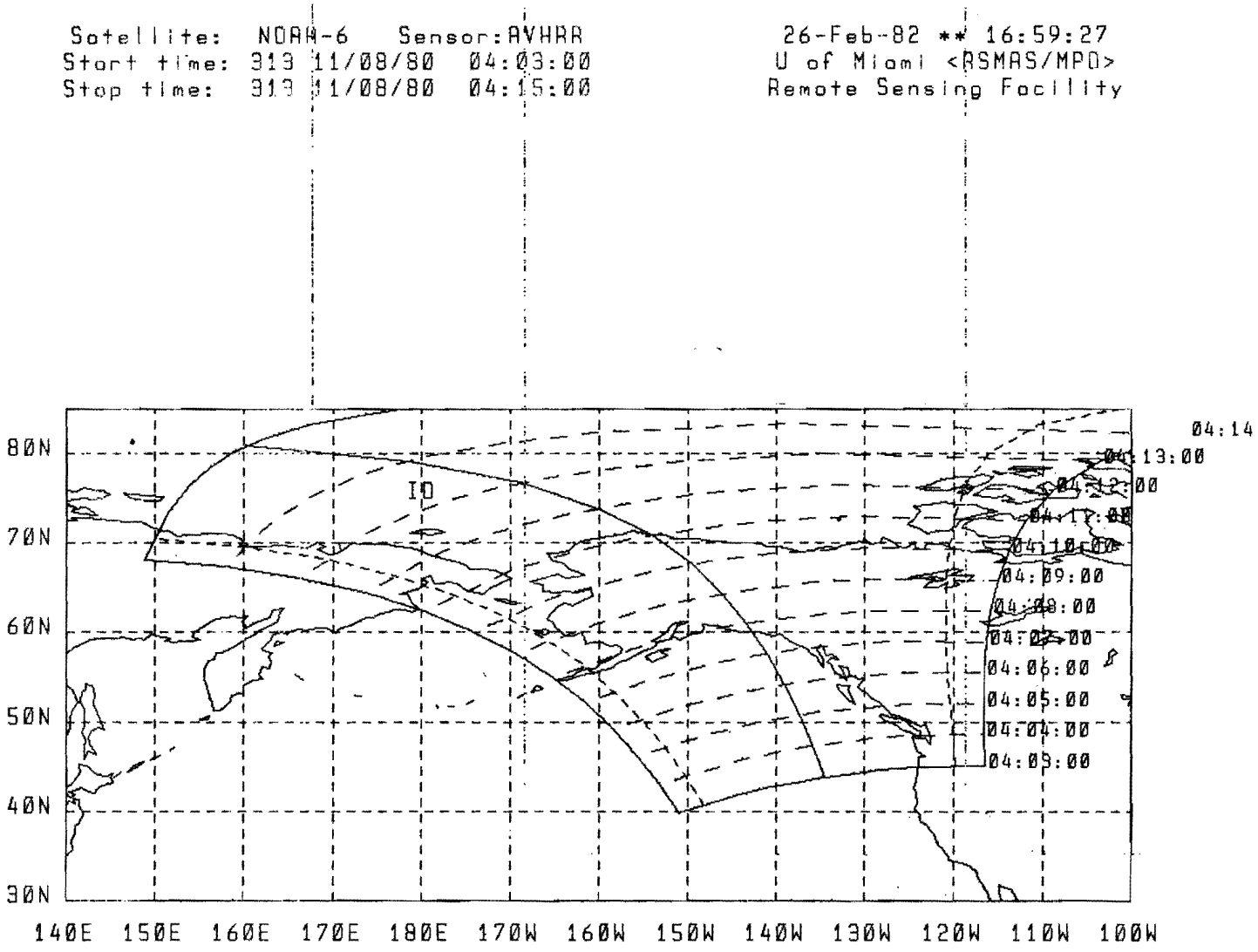
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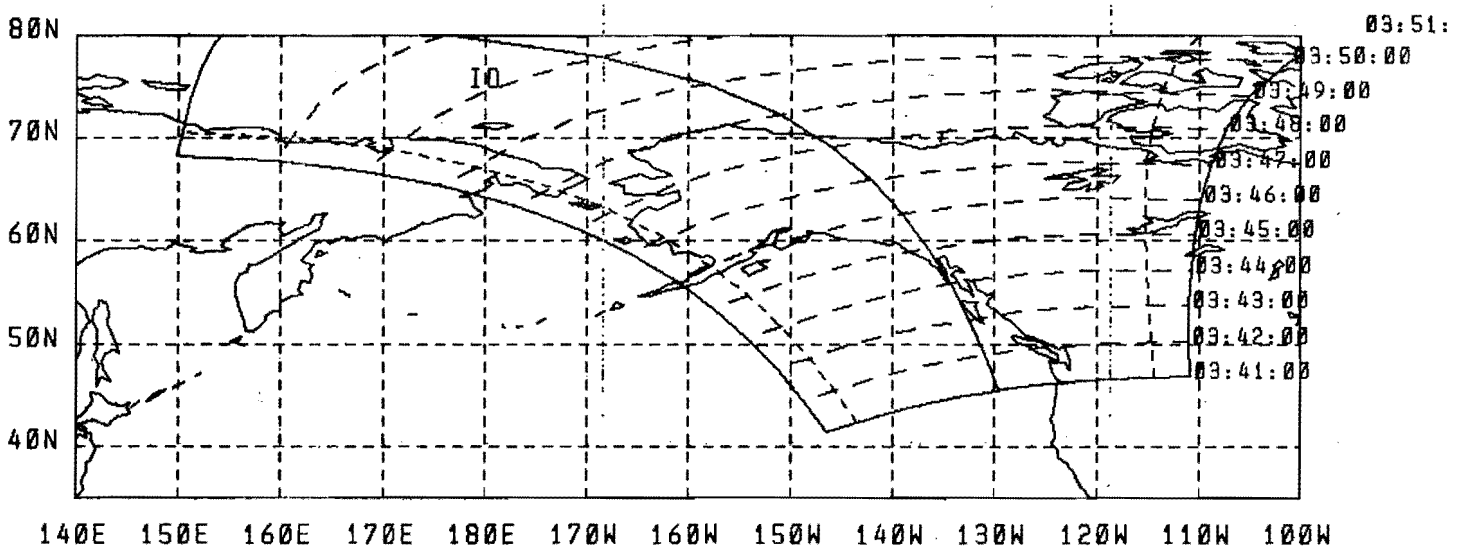

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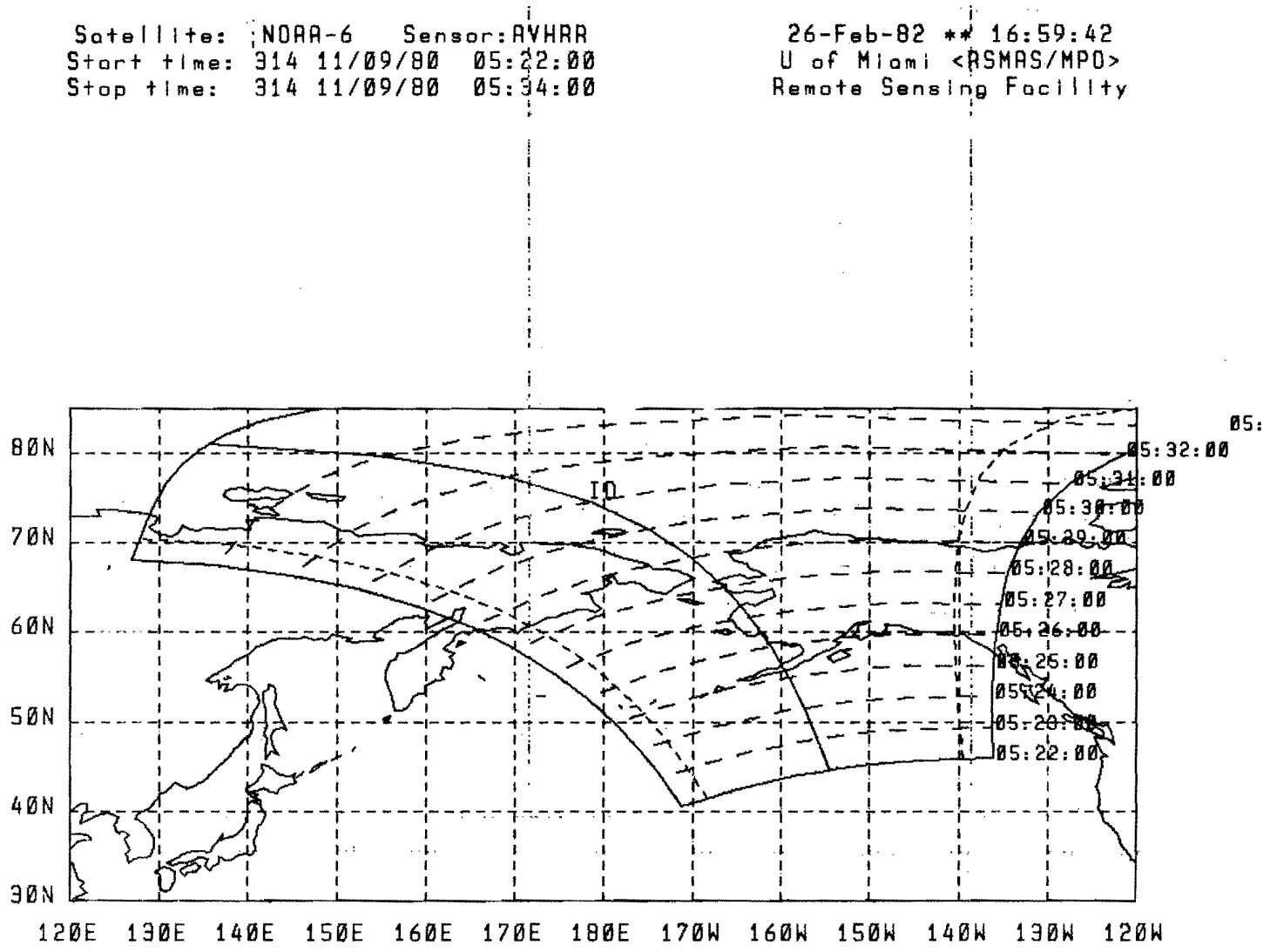
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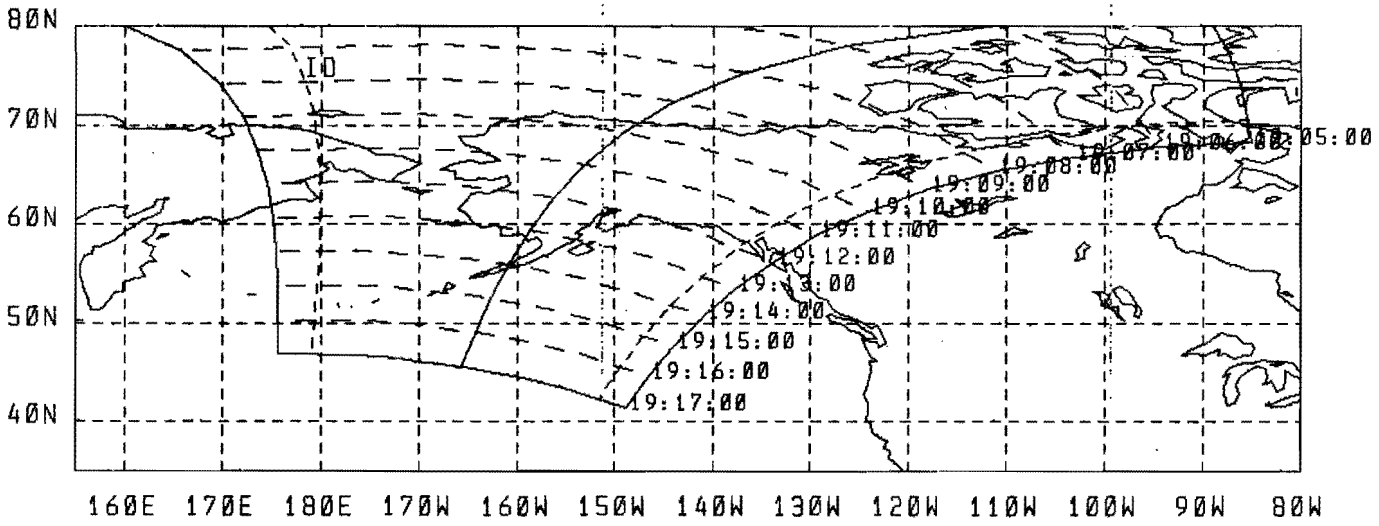

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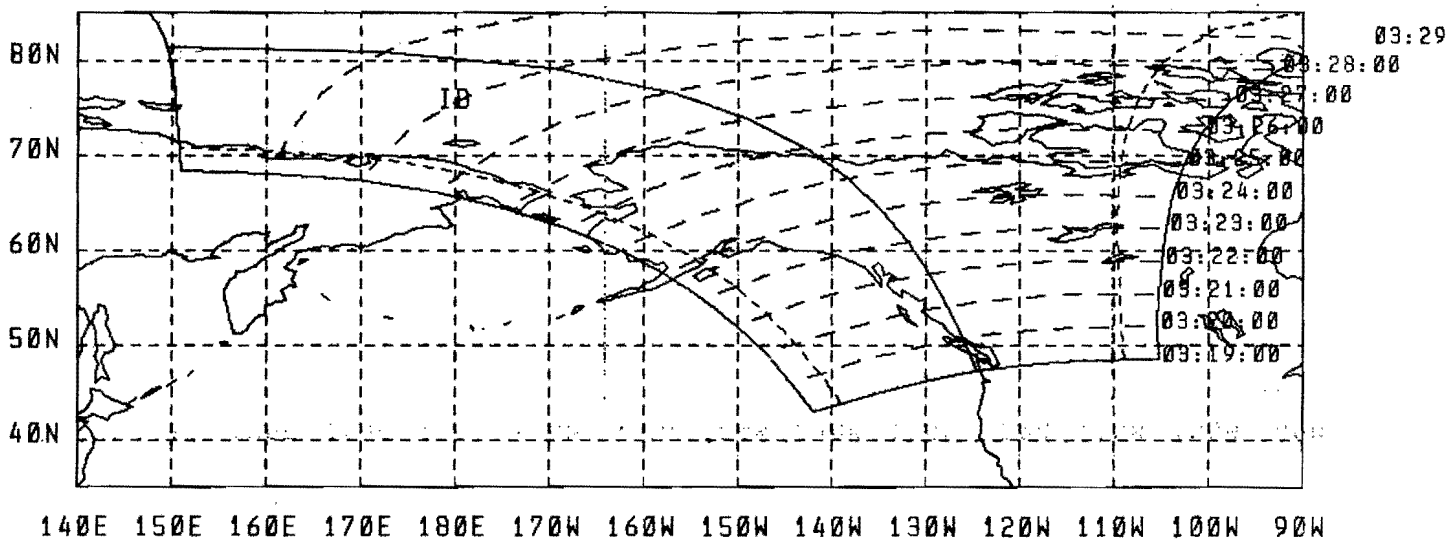

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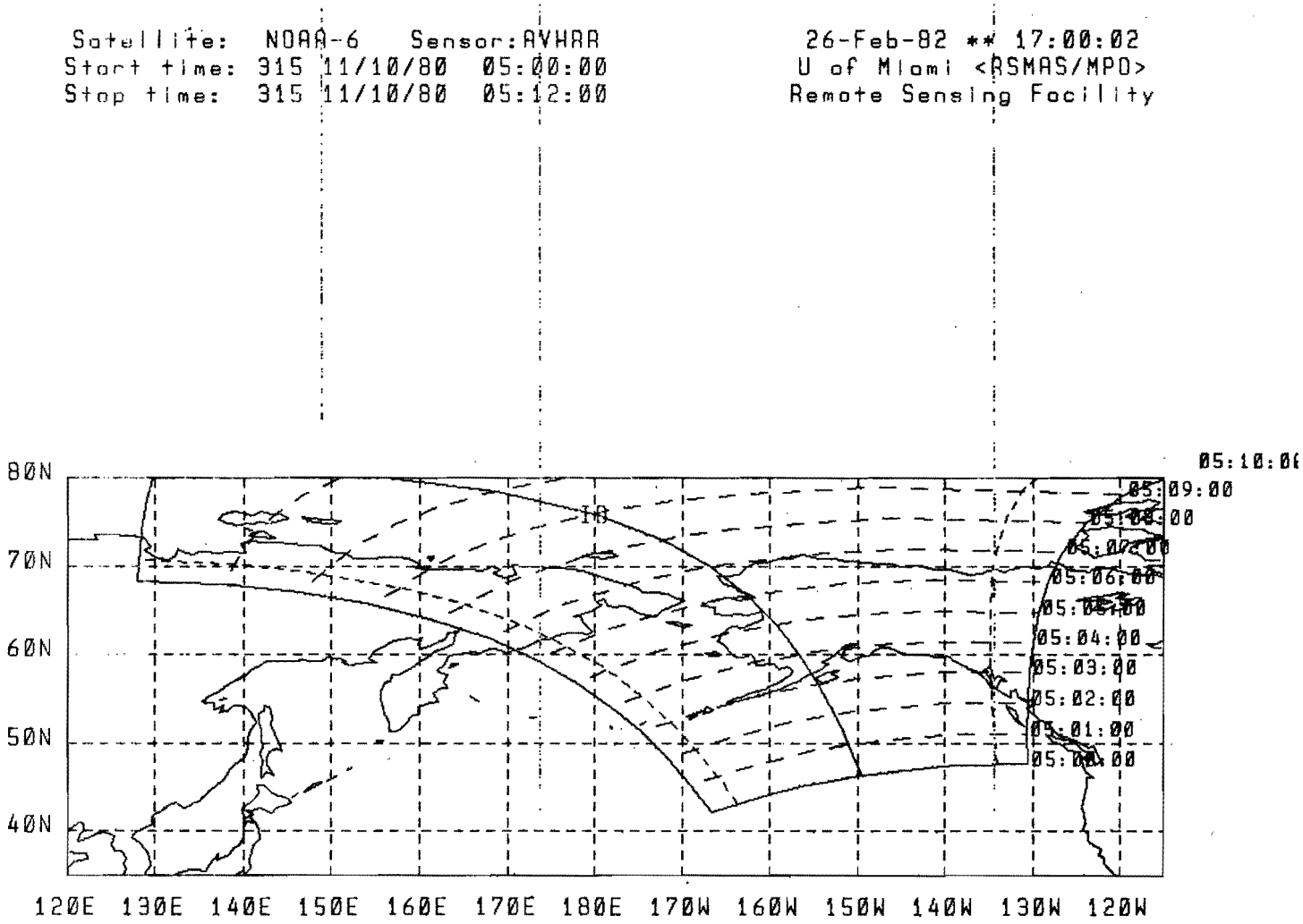
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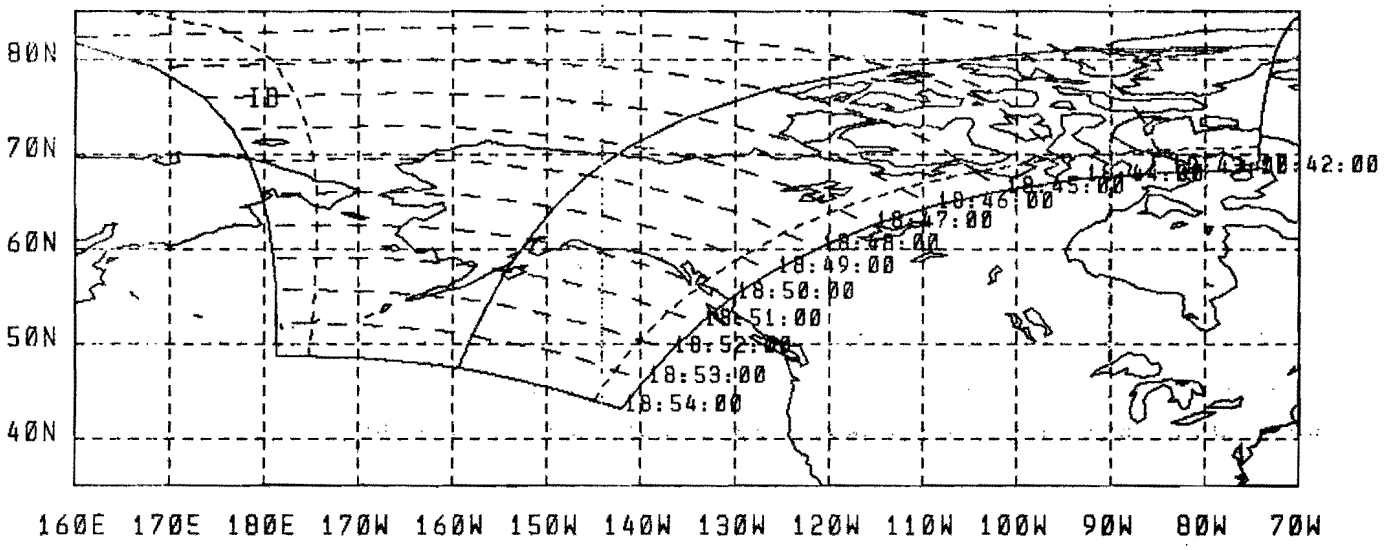

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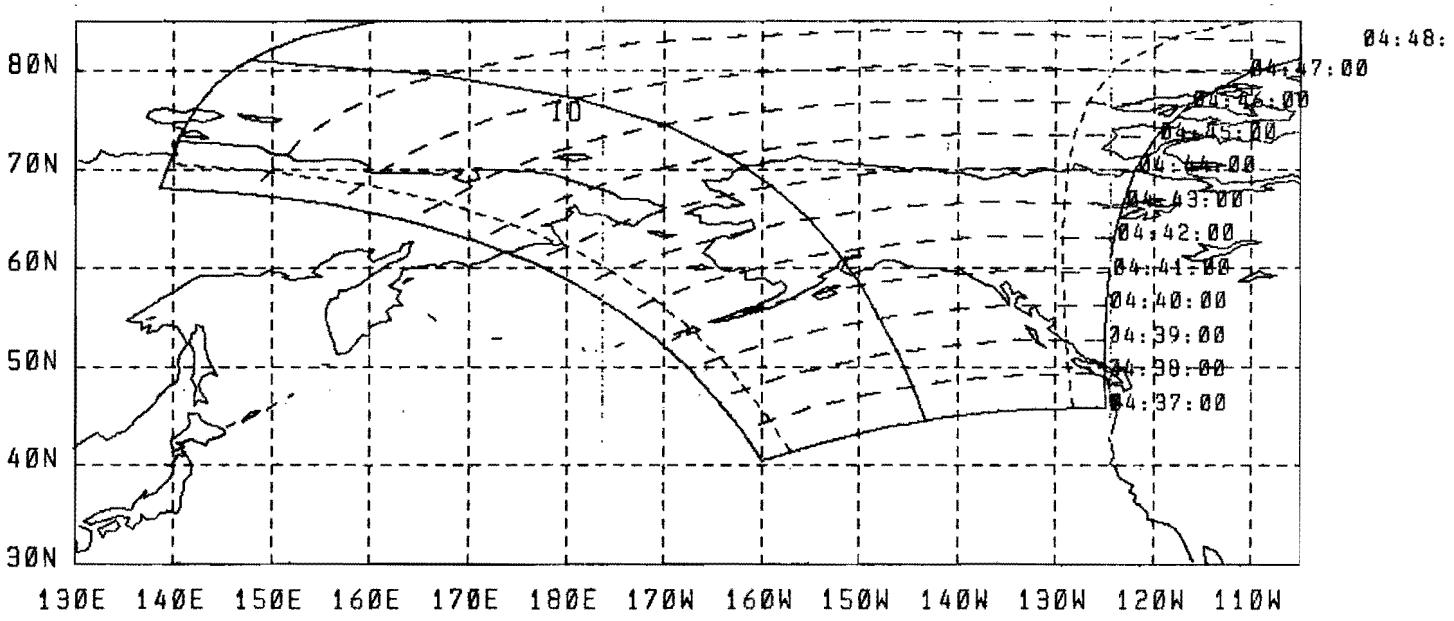

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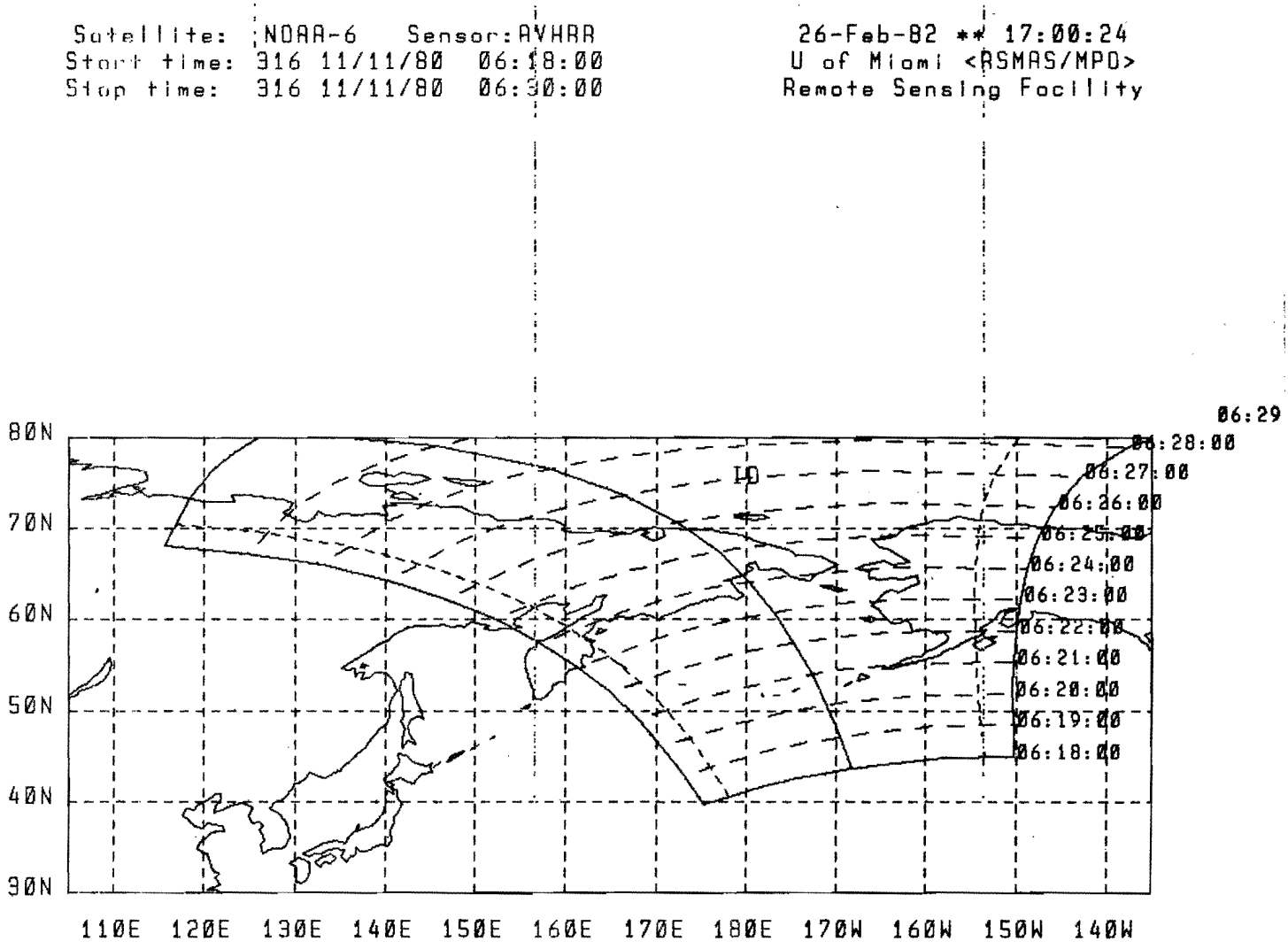

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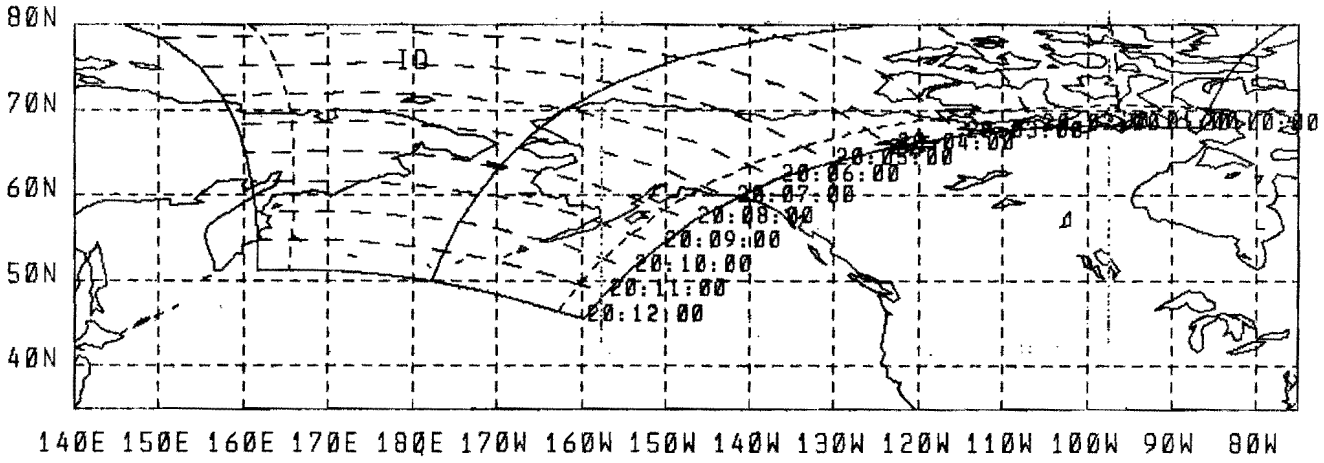

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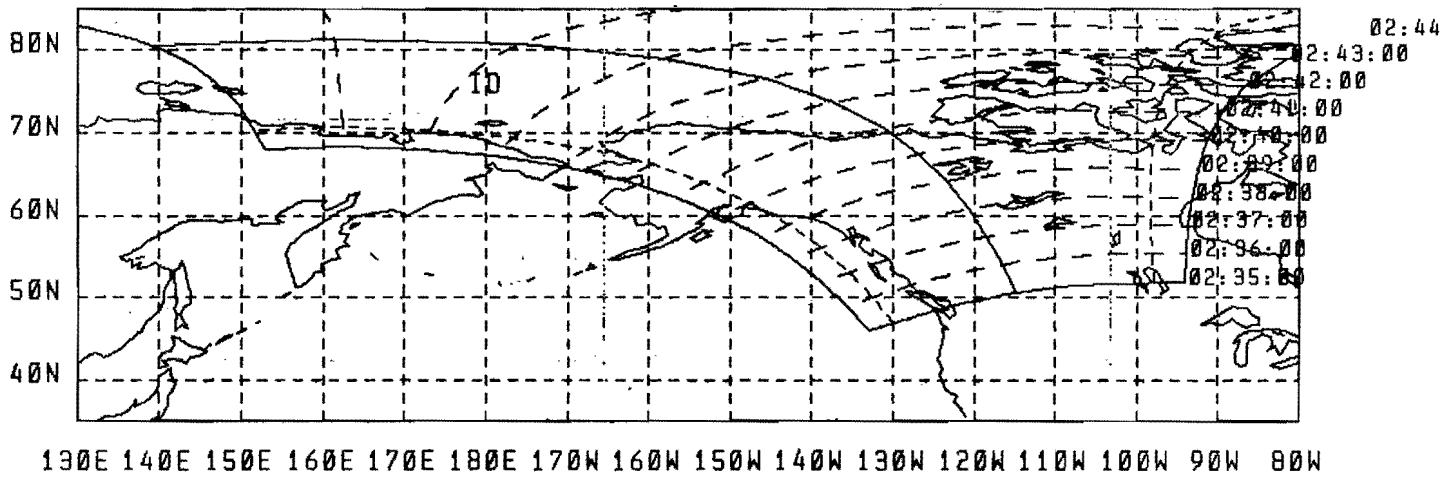

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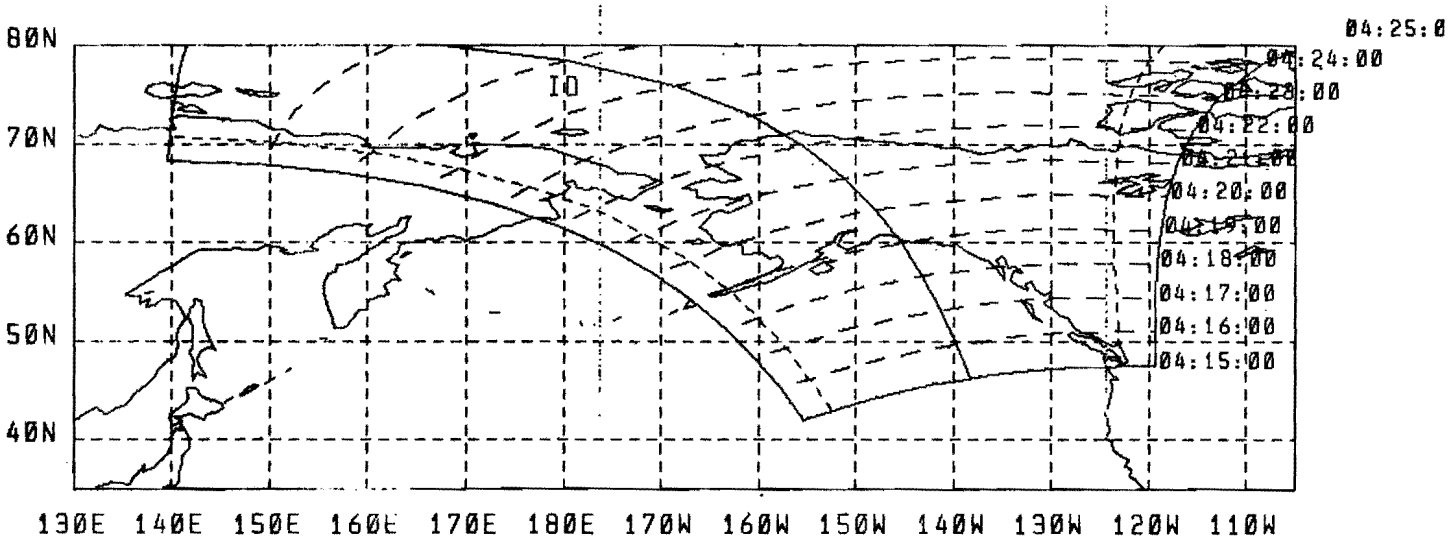

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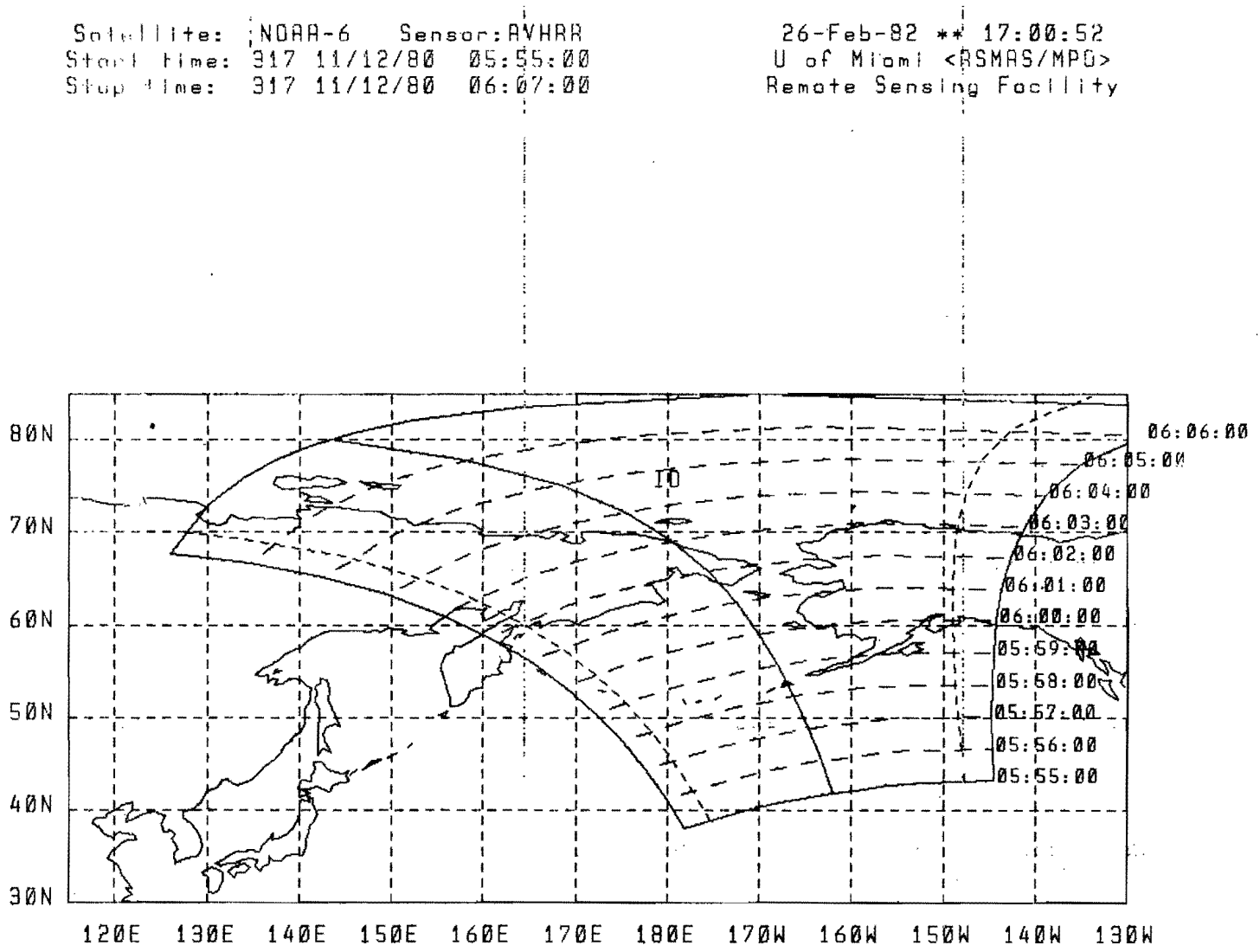
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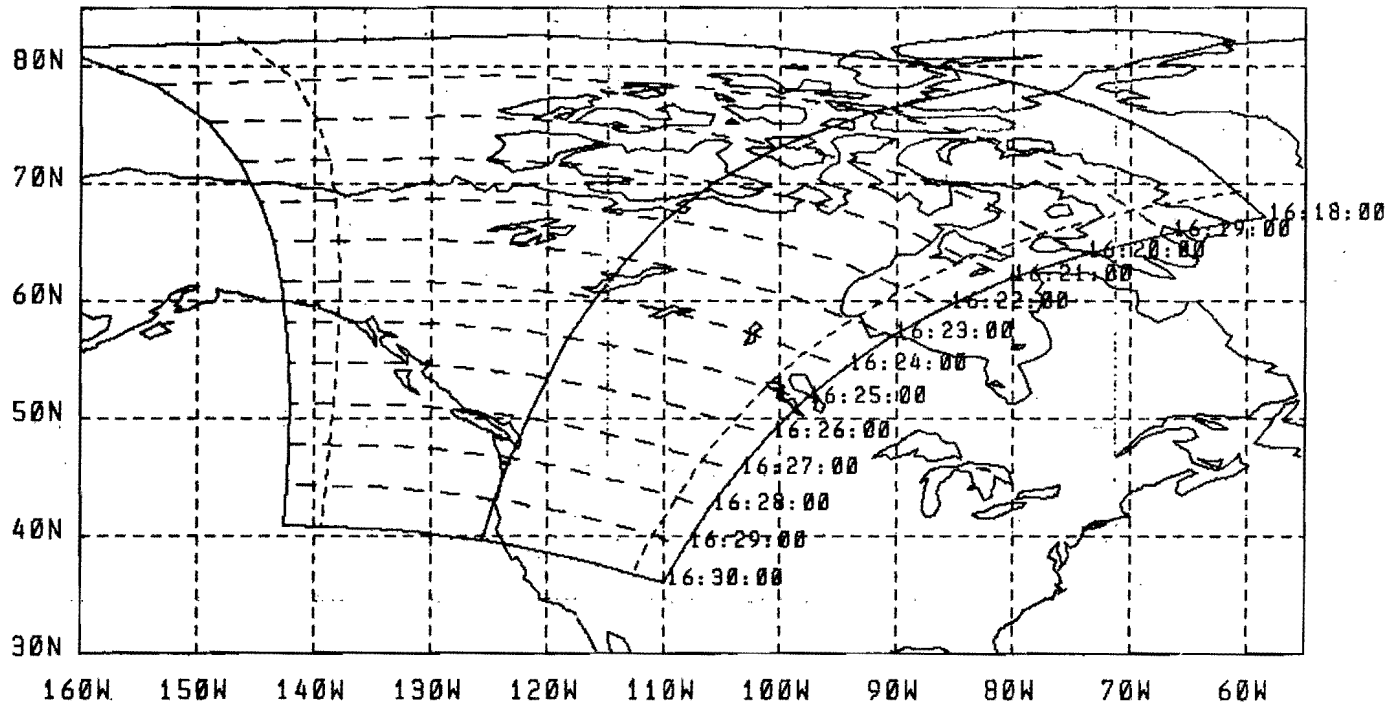

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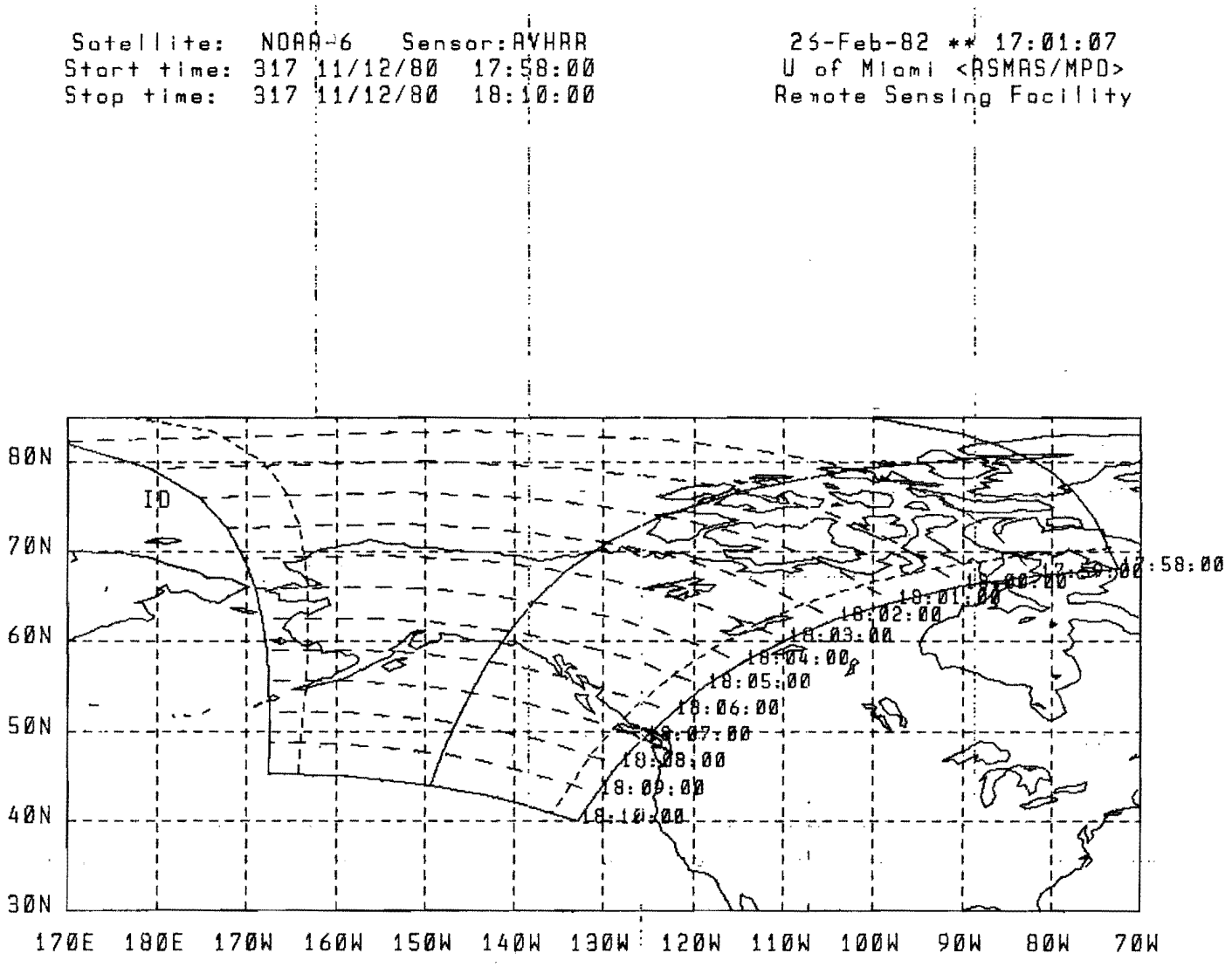
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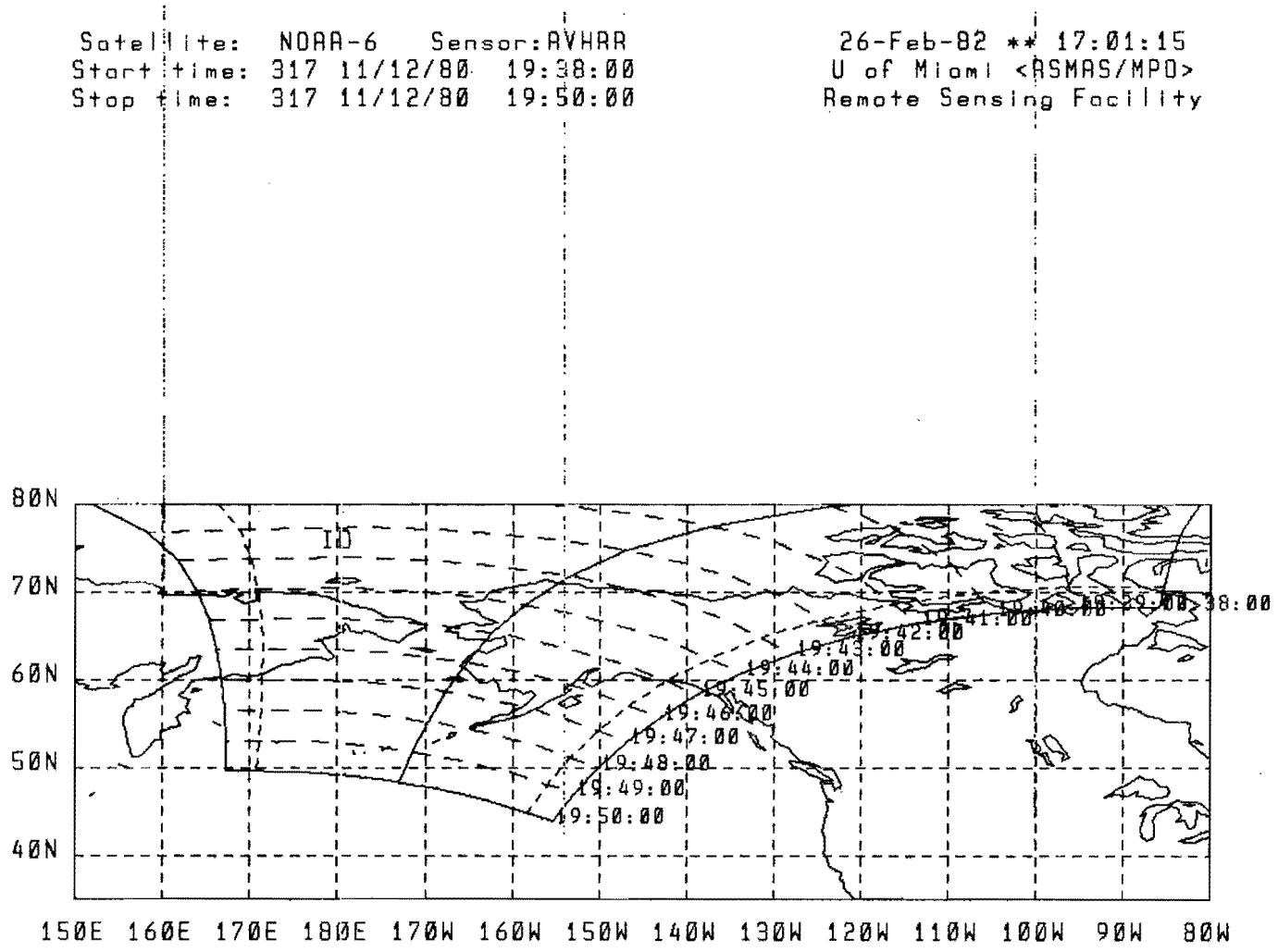

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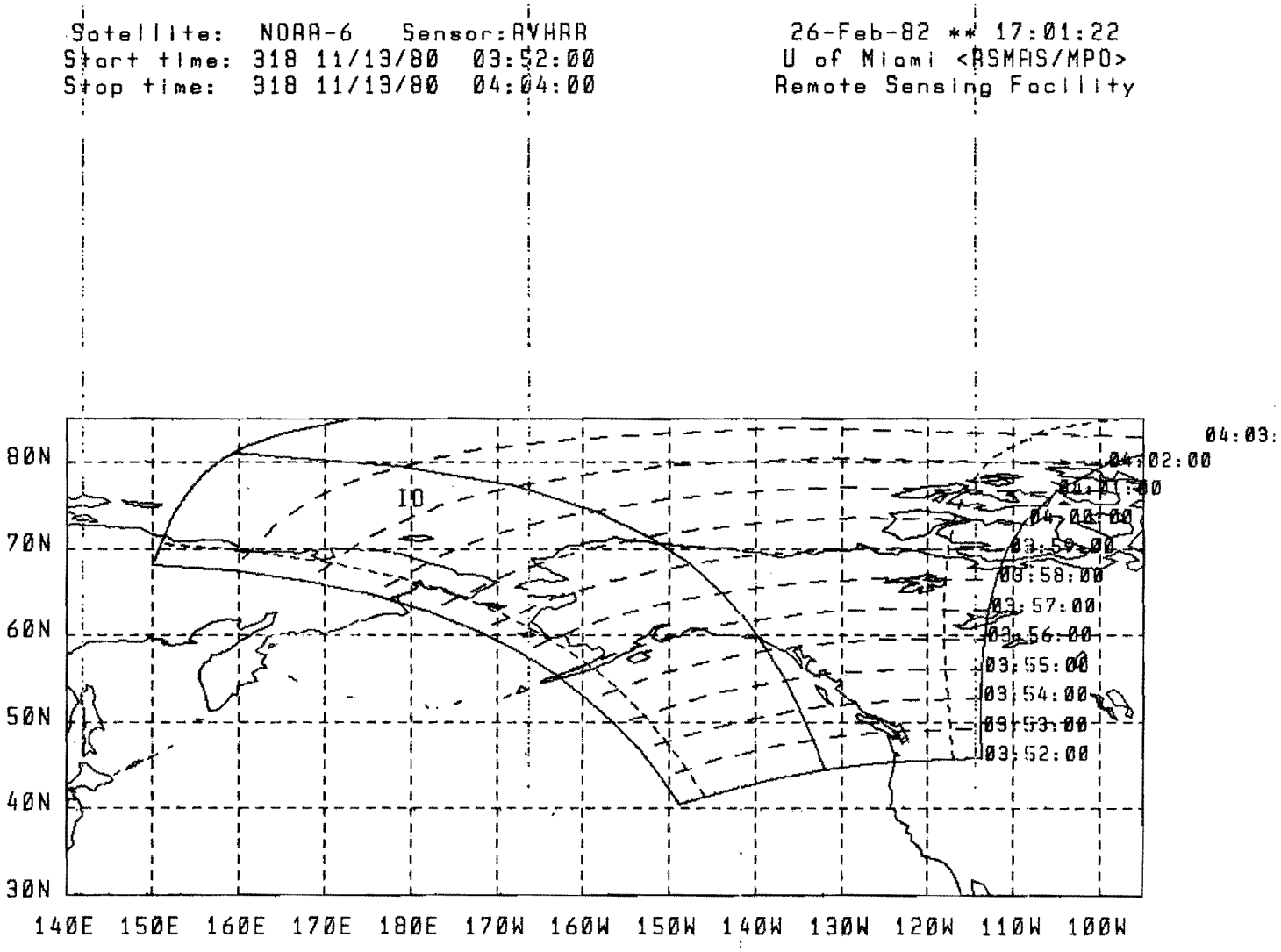

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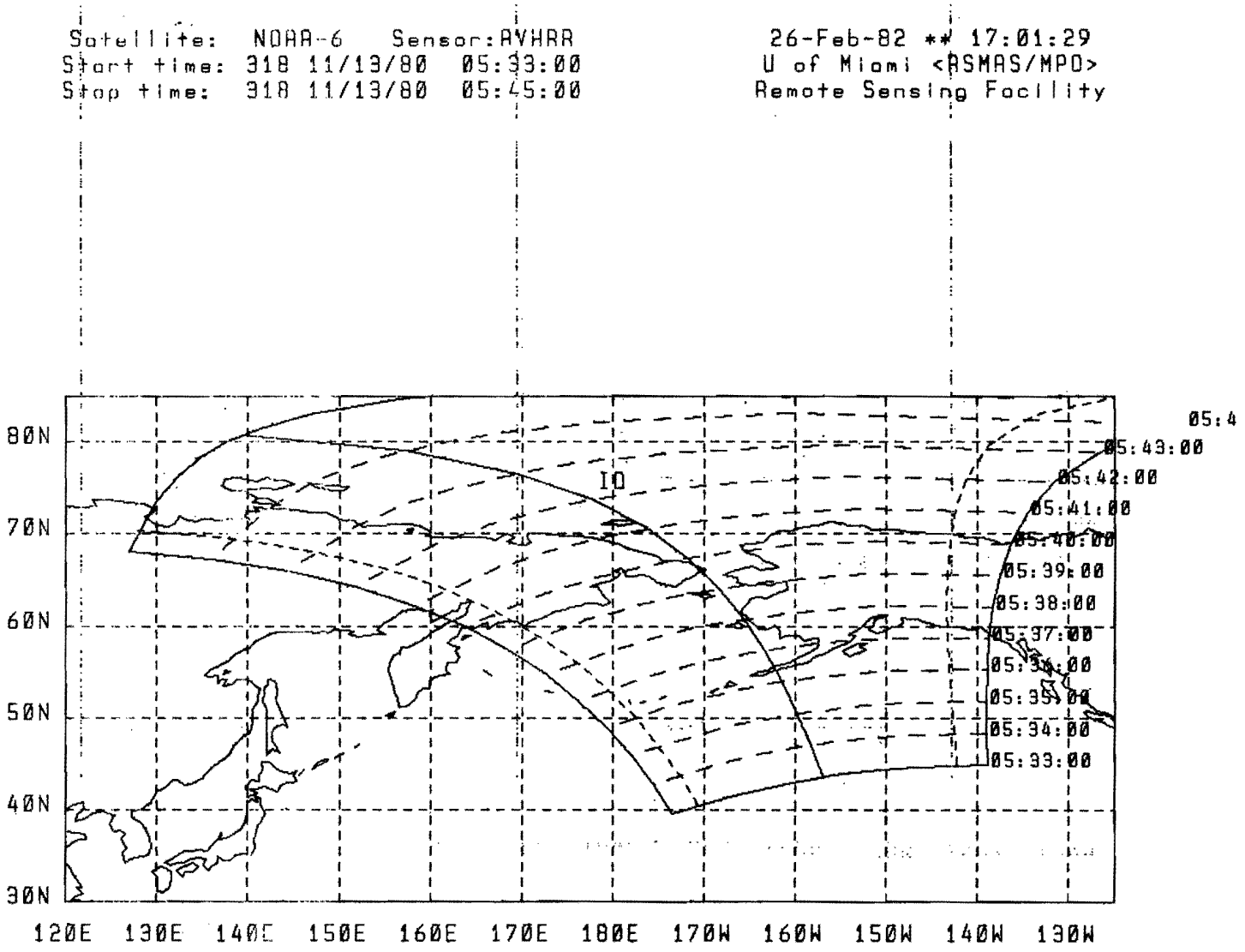
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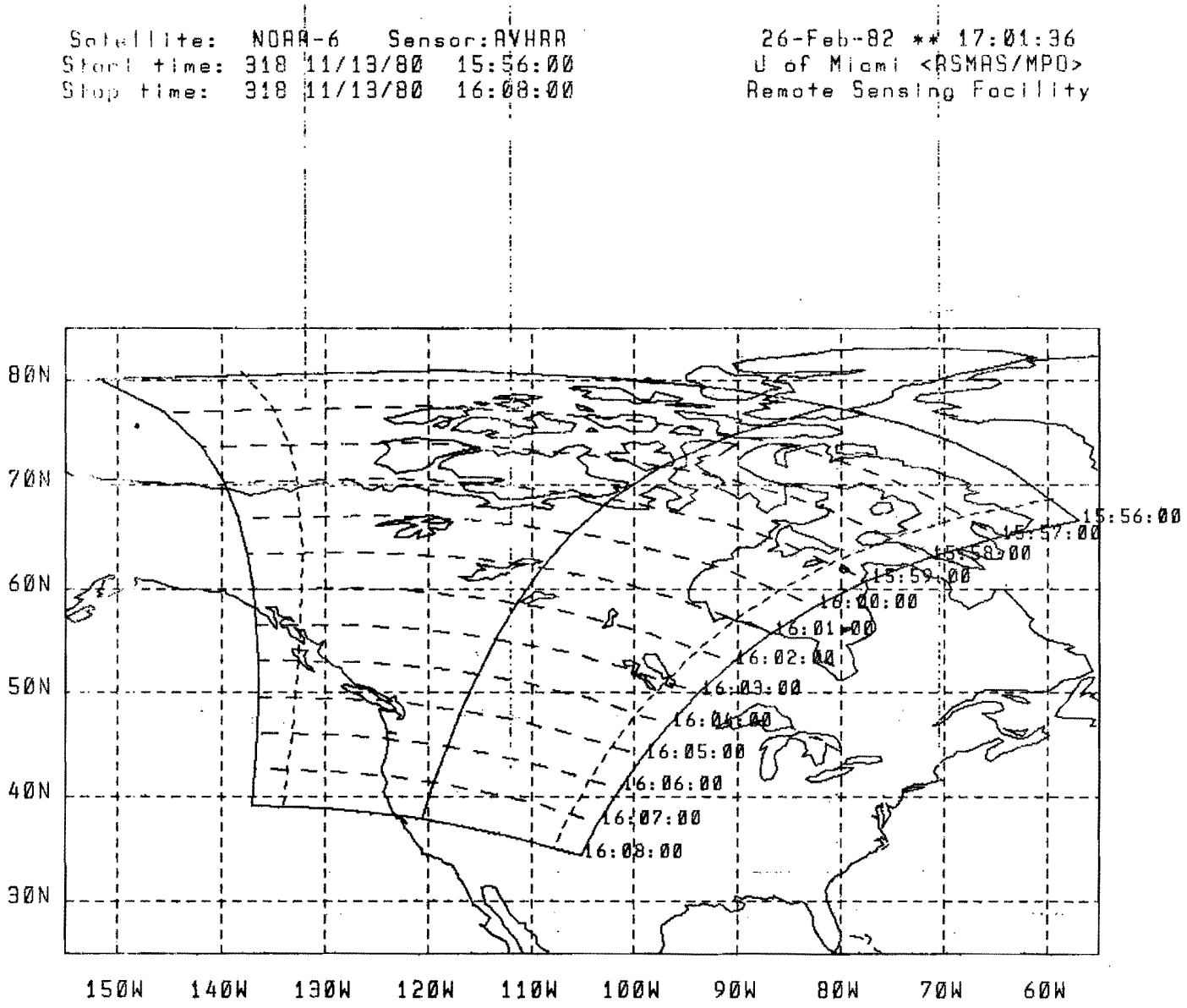

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26-Feb-82 ** 17:01:44
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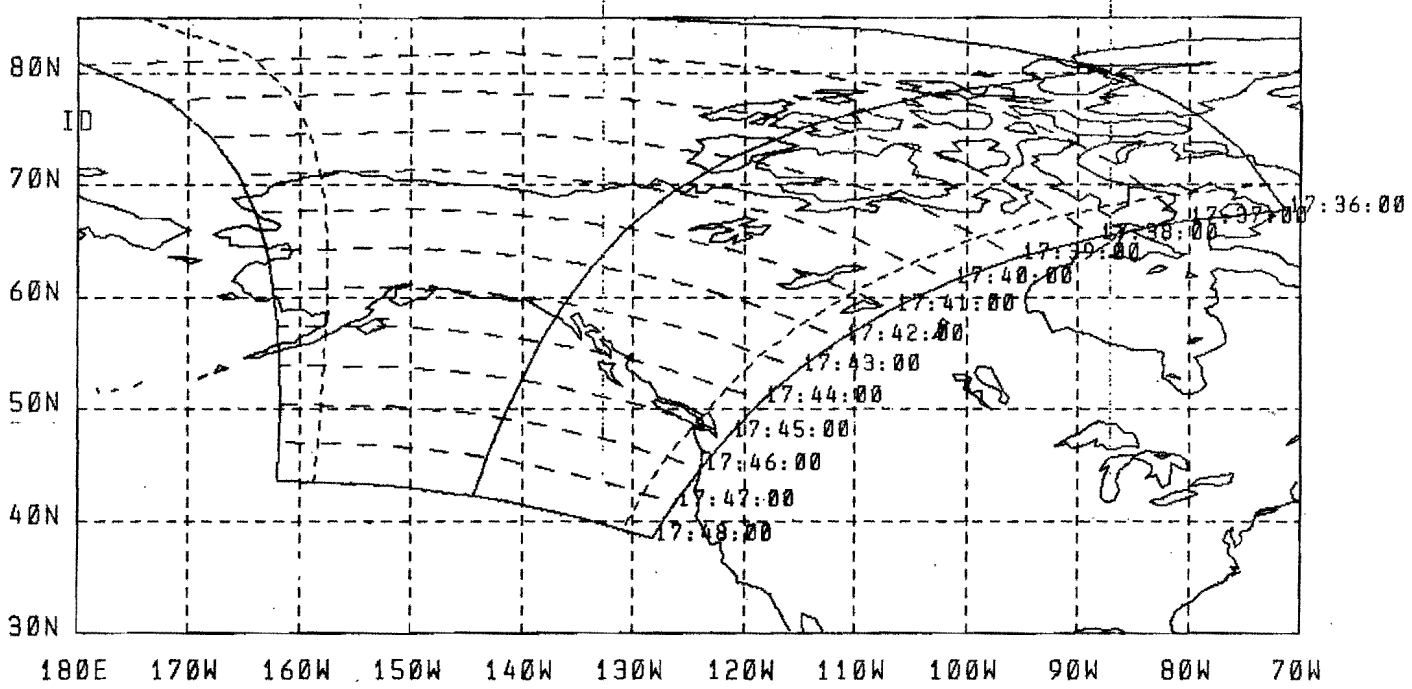

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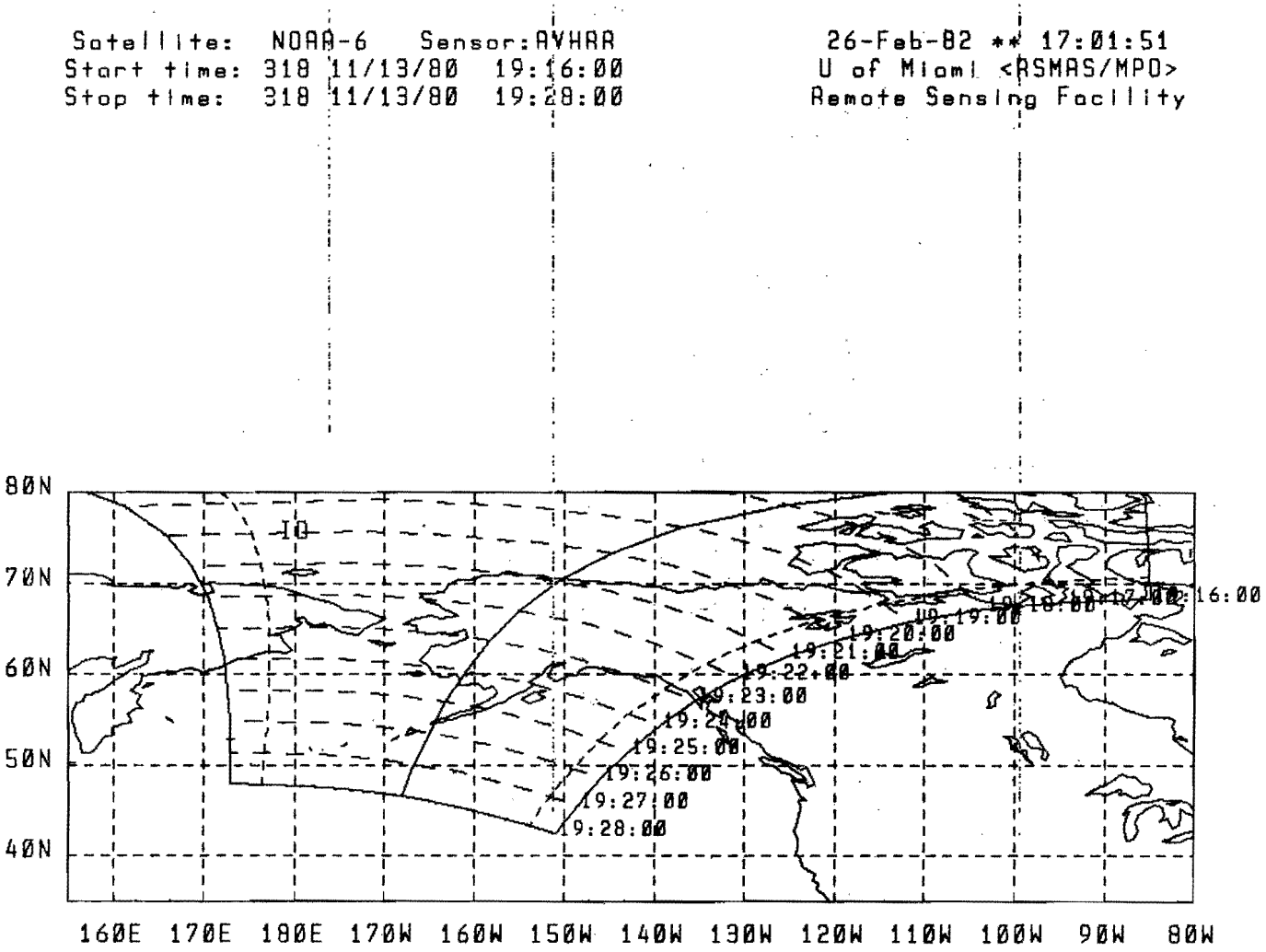
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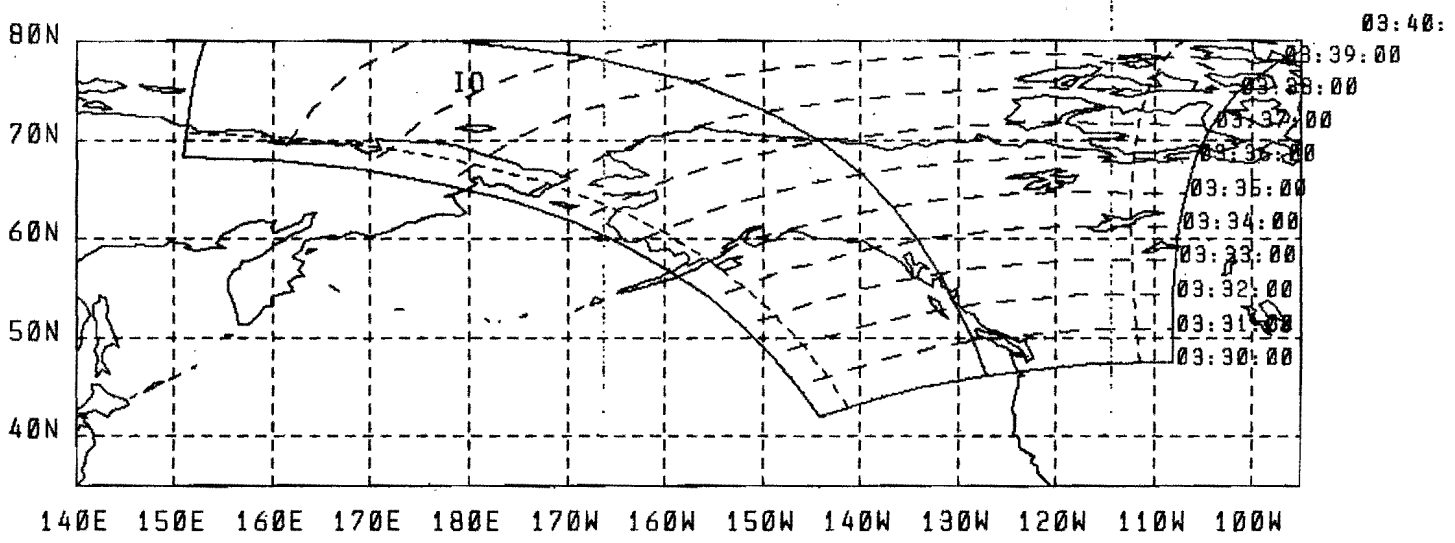

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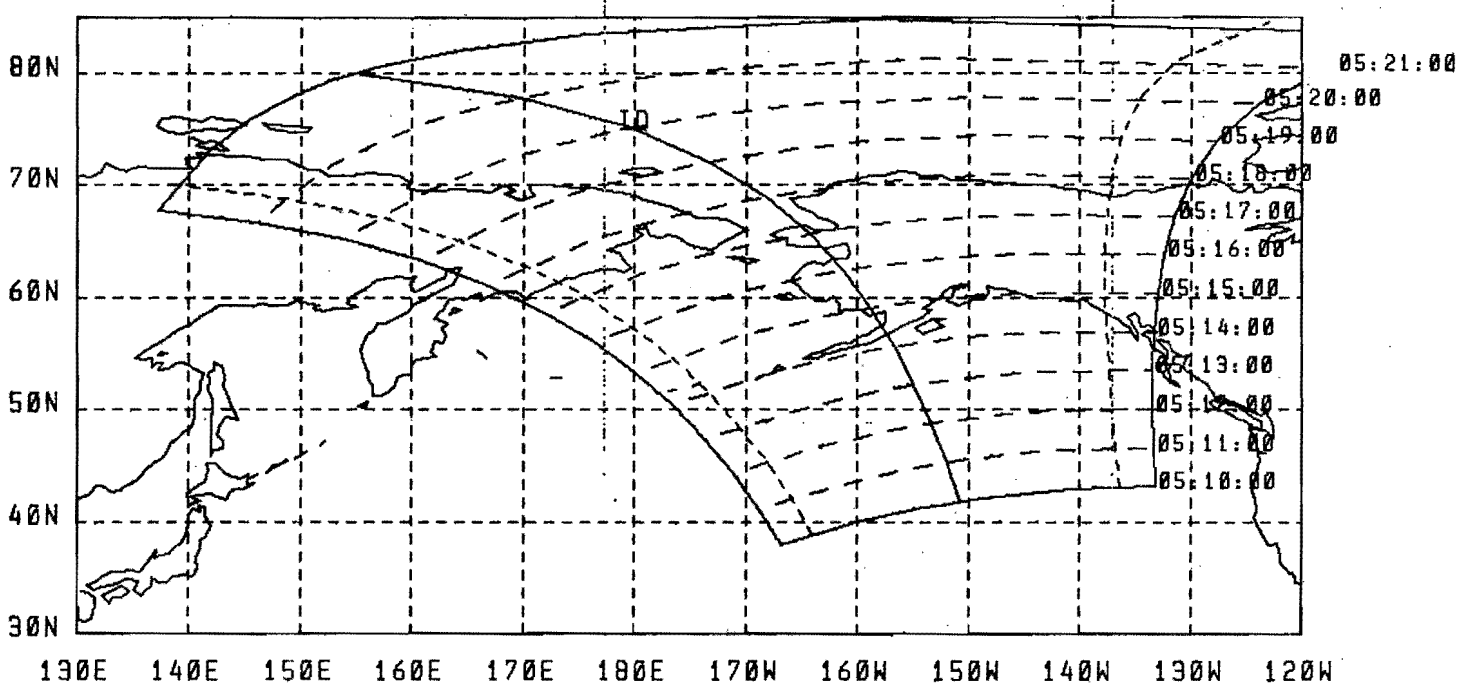

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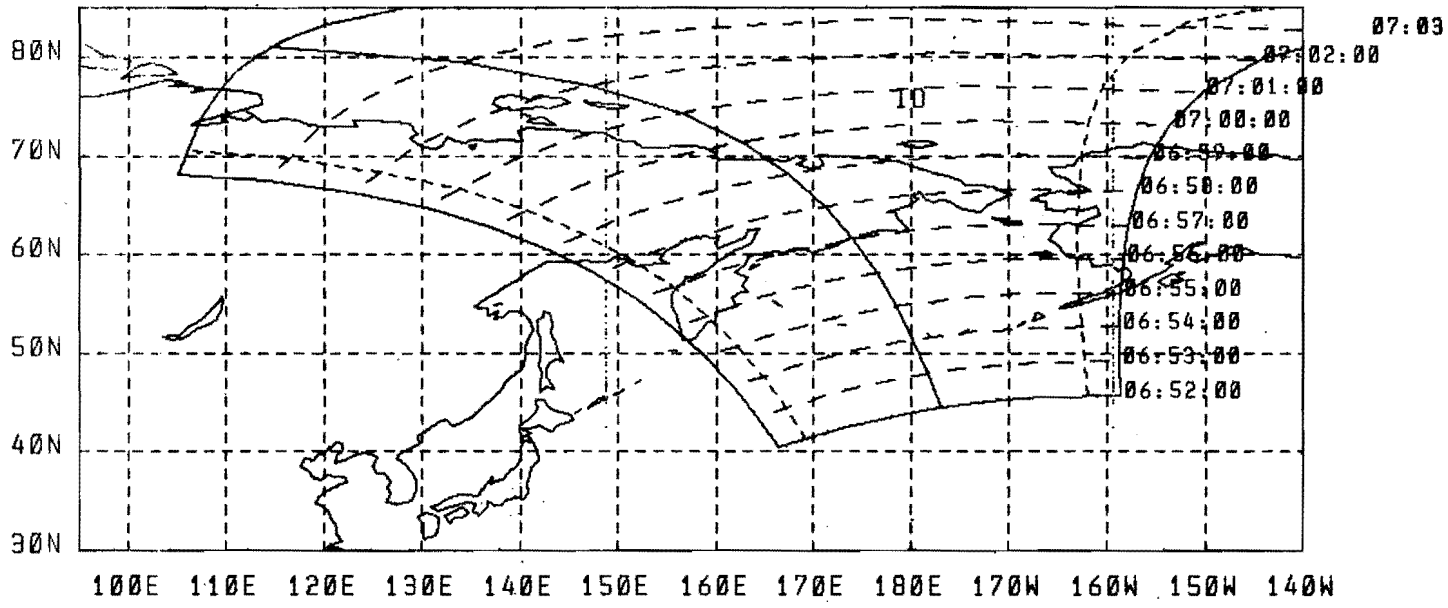
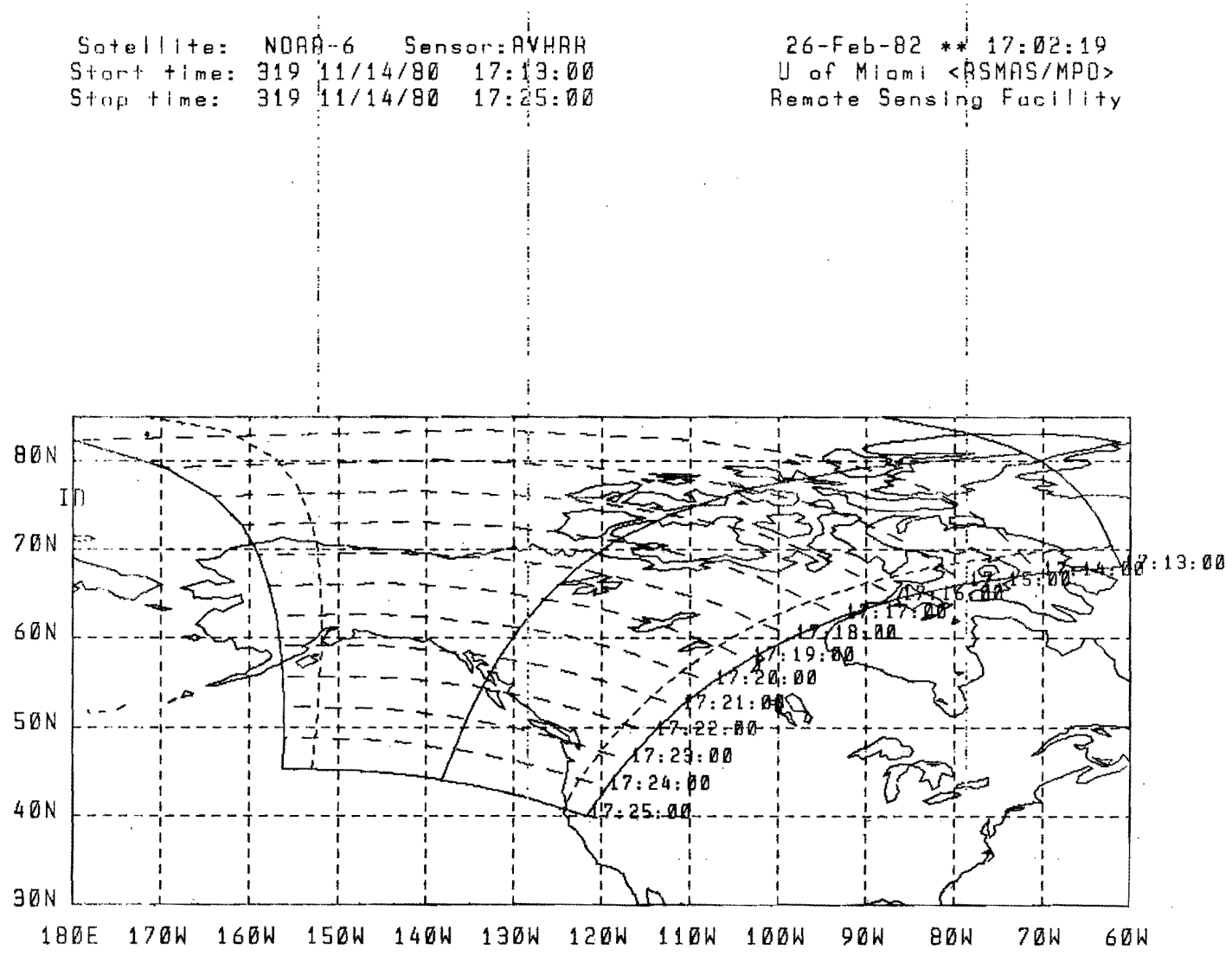
26-Feb-82 ** 17:02:12
U of Miami <RSMAS/MPO>
Remote Sensing Facility



Archive tape: N31906

SDT: 803190652.ND6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Start time: 319 11/14/80 17:13:00
Stop time: 319 11/14/80 17:25:00
26-Feb-82 ** 17:02:19
U of Miami <RSMAS/MPO>
Remote Sensing Facility
80N
70N
60N
50N
40N
30N
180E 170W 160W 150W 140W 130W 120W 110W 100W 90W 80W 70W 60W
17:13:00
17:14:00
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17:17:00
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17:20:00
17:21:00
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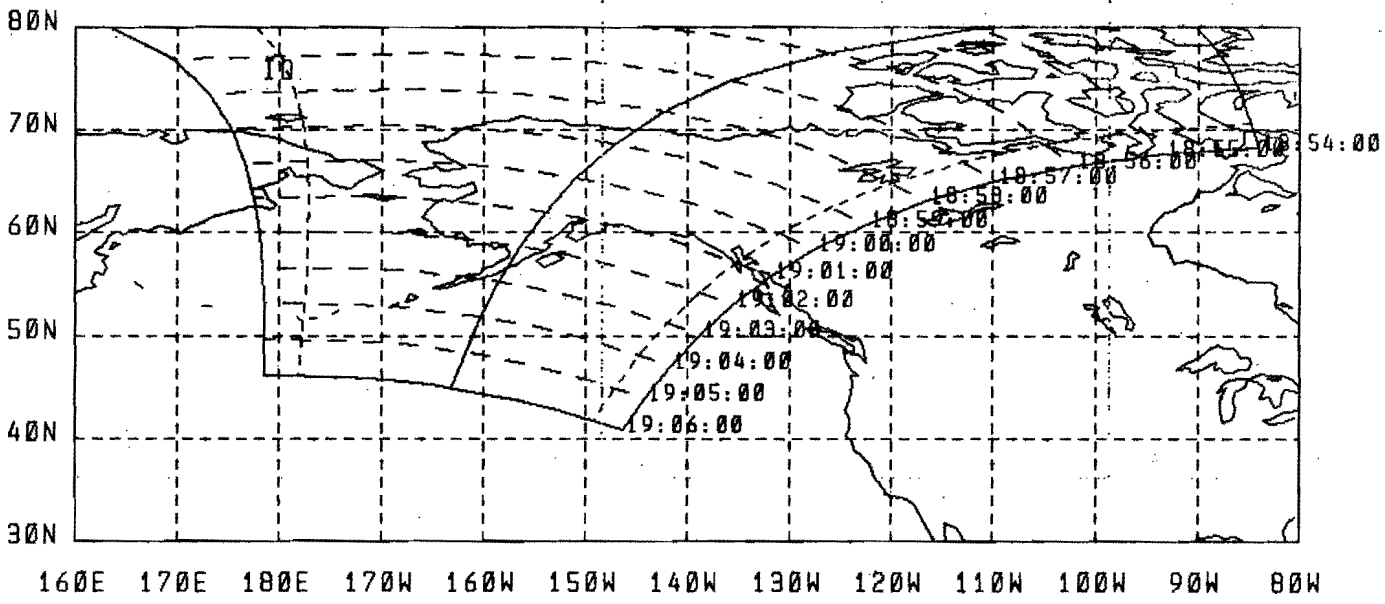
17:25:00
Archive tape: N31917
SDT: 803191713.N06

Satellite: NOAA-6 Sensor:AVHRR
Start time: 319 11/14/80 18:54:00
Stop time: 319 11/14/80 19:06:00

26-Feb-82 ** 17:02:26
U of Miami <RSMAS/MPO>
Remote Sensing Facility



Archive tape: N31918

SDT: 803191854.N06

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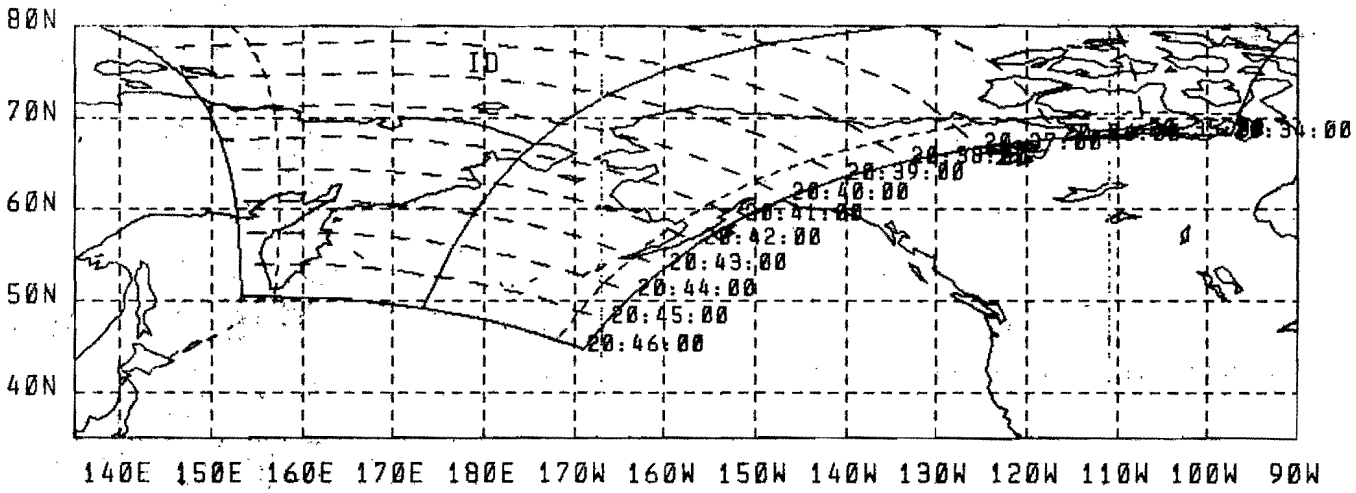
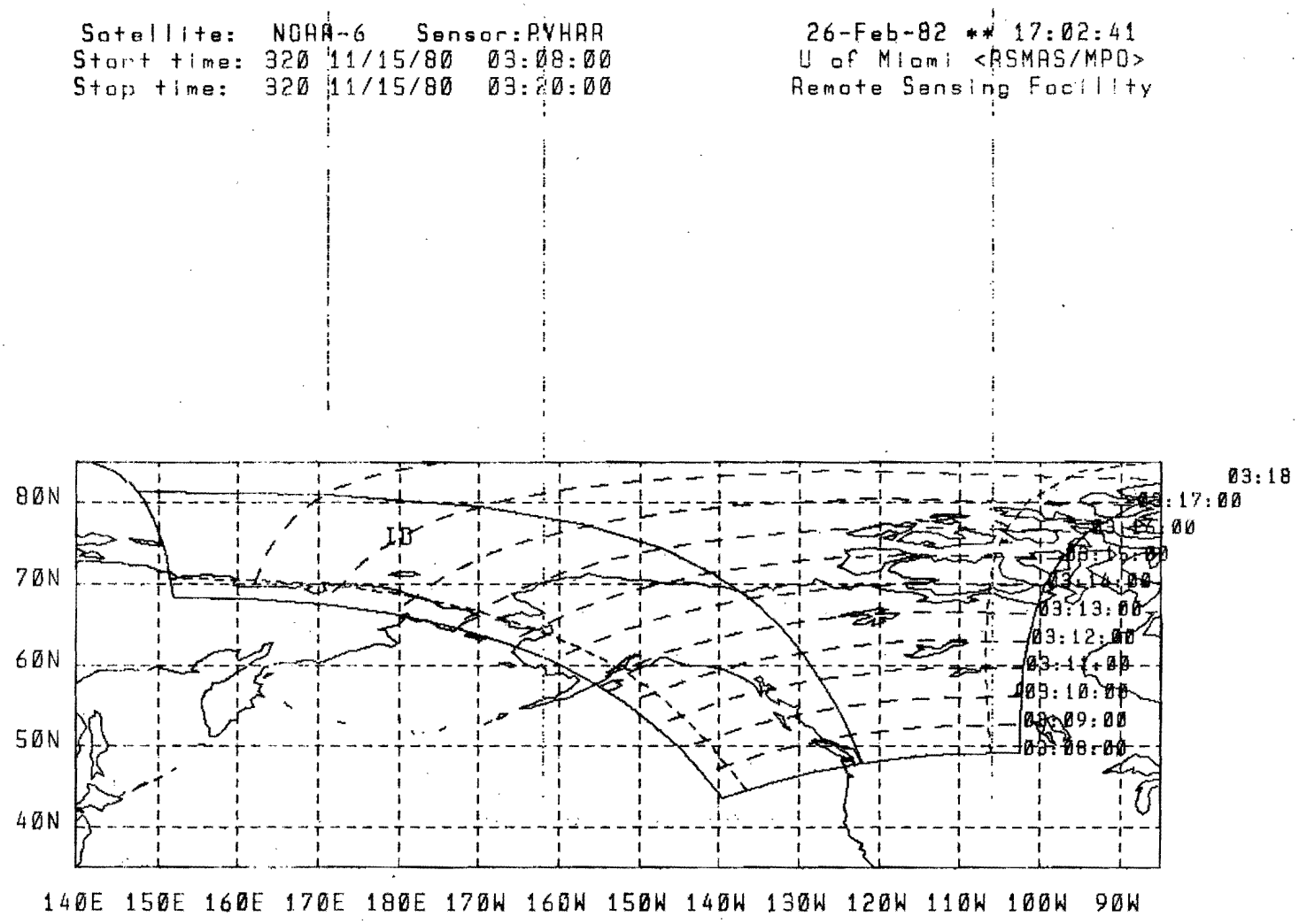
26-Feb-82 ** 17:02:33
U of Miami <RSMAS/MPO>
Remote Sensing Facility



Archive tape: N31920

SDT: 803192034.N06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Stop time: 320 11/15/80 03:20:00
26-Feb-82 ** 17:02:41
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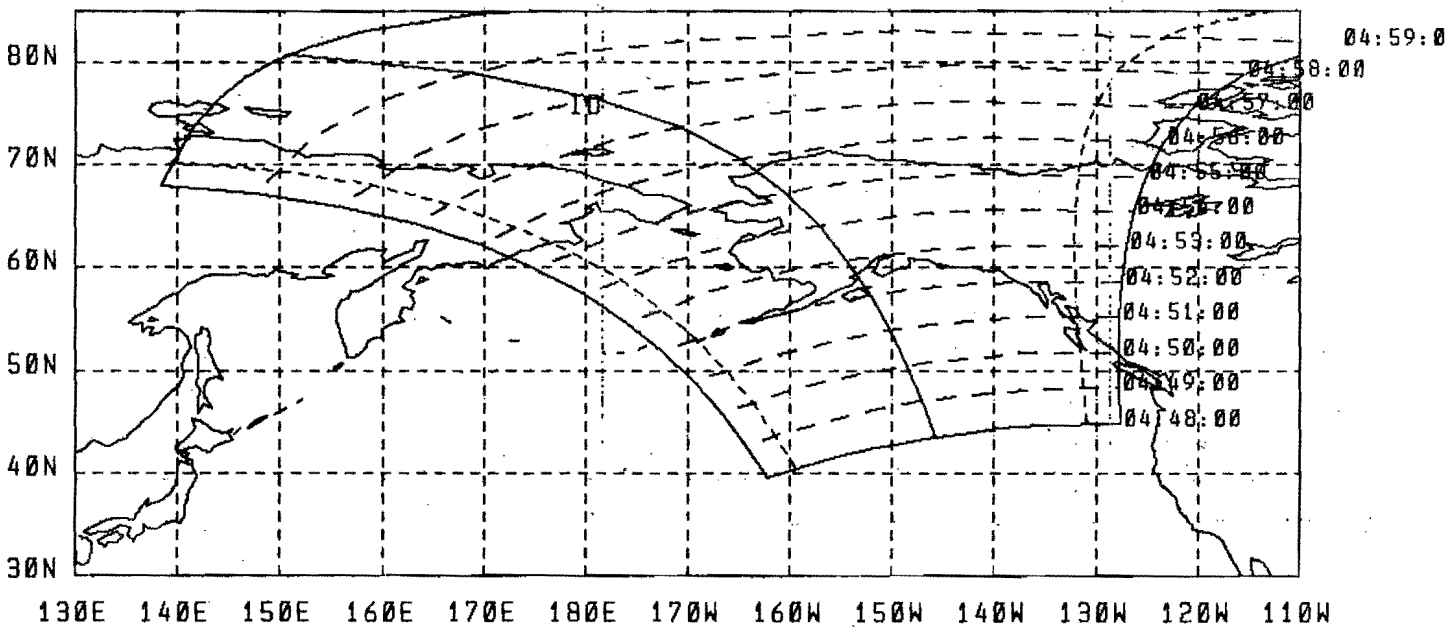
03:18
03:13:00
03:12:00
03:10:00
03:09:00
03:08:00
Archive tape: N32003
SDT: 803200308.N06

Sotellite: NOAA-6 Sensor:AVHRR
Start time: 320 11/15/80 04:48:00
Stop time: 320 11/15/80 05:00:00

26-Feb-82 ** 17:02:47
U of Miami <RSMAS/MPO>
Remote Sensing Facility



Archive tape: N32004

SDT: 803200448.N06

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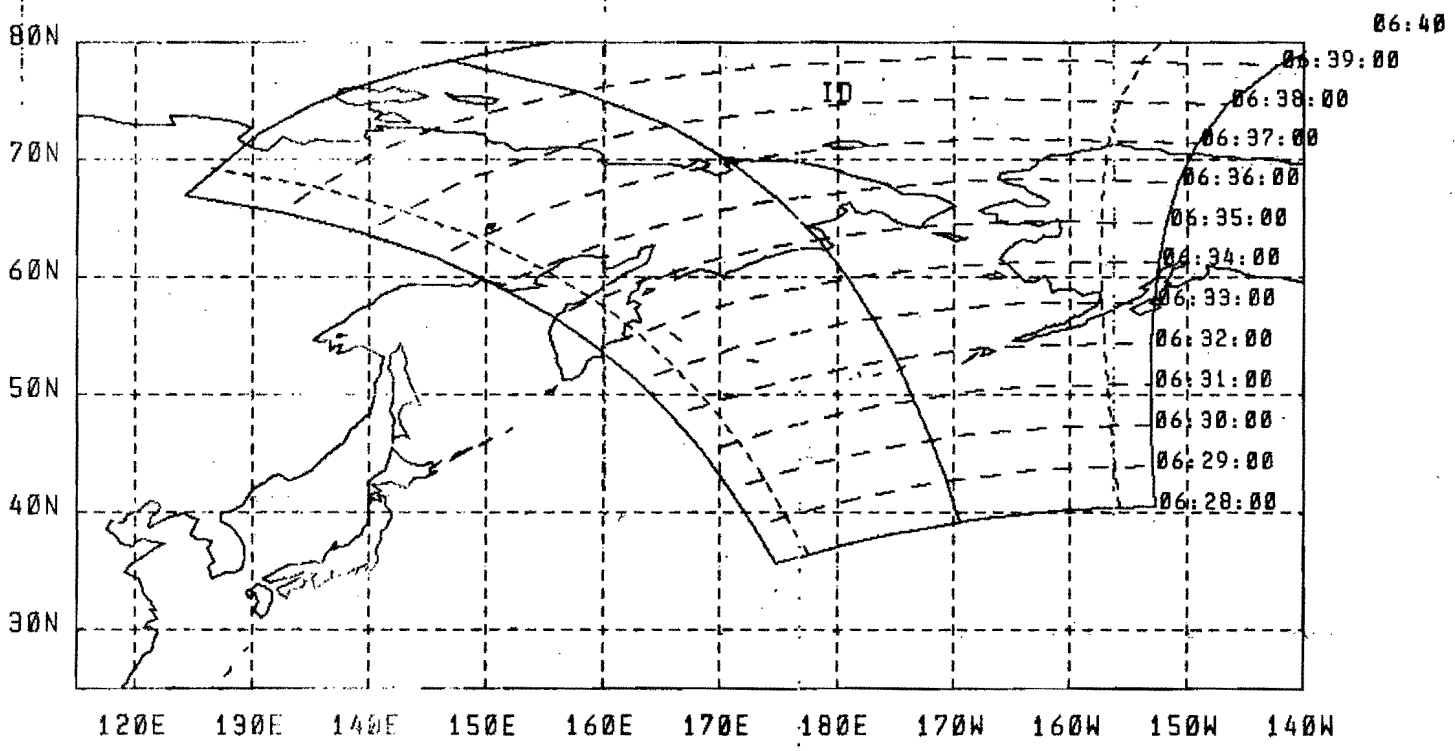
26-Feb-82 ** 17:02:54
U of Miami <RSMAS/MPD>
Remote Sensing Facility



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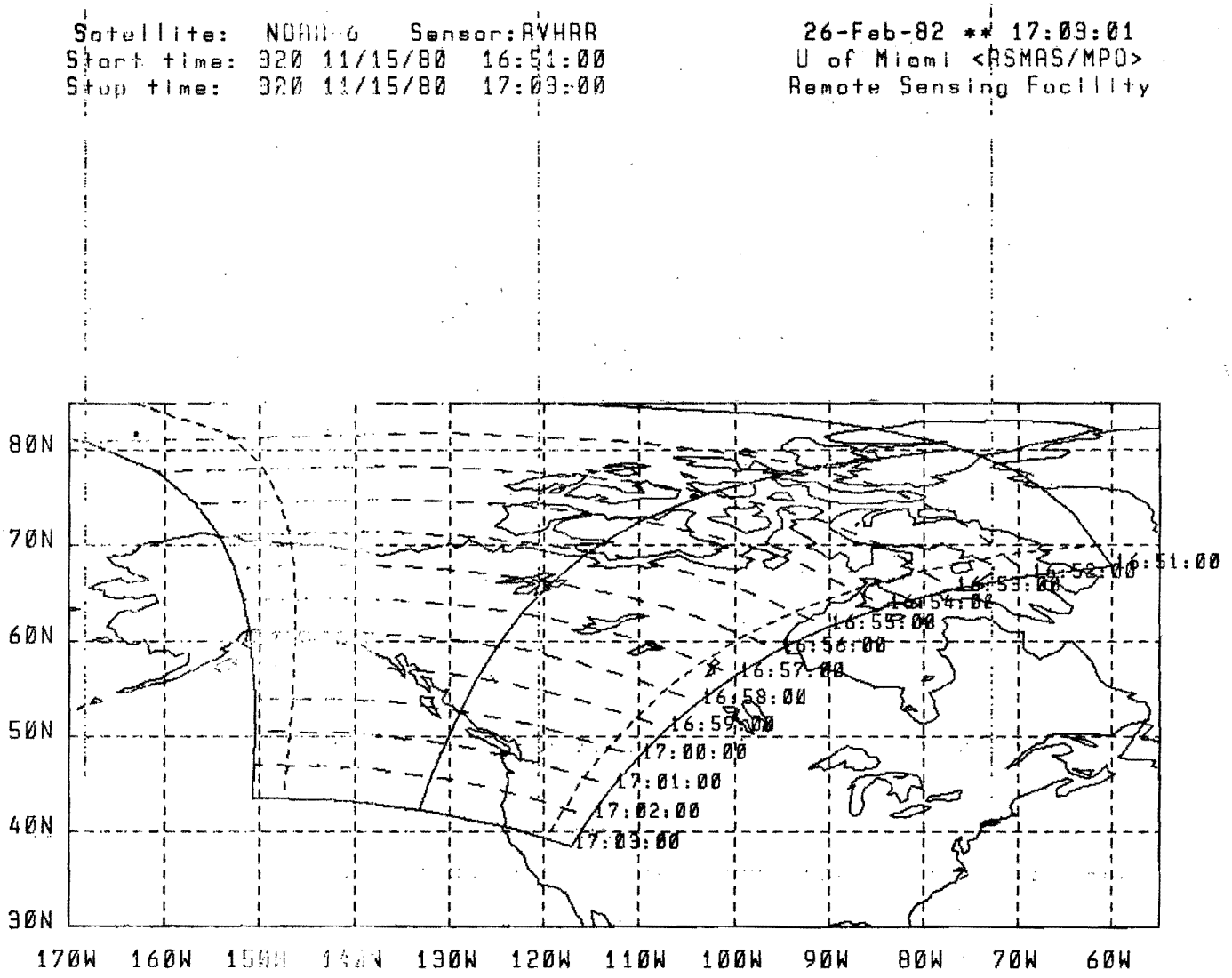
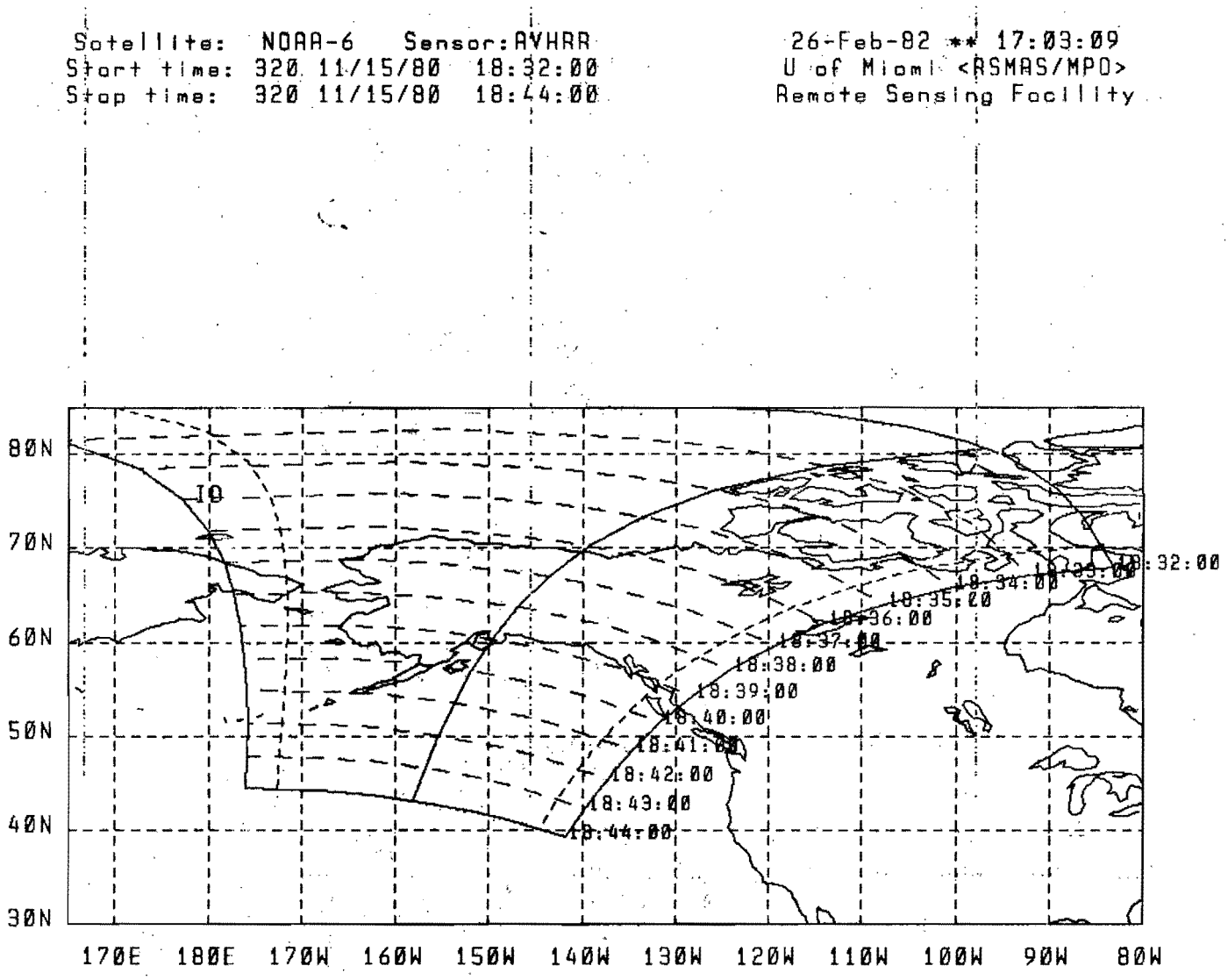
SDT: 803200628.N06



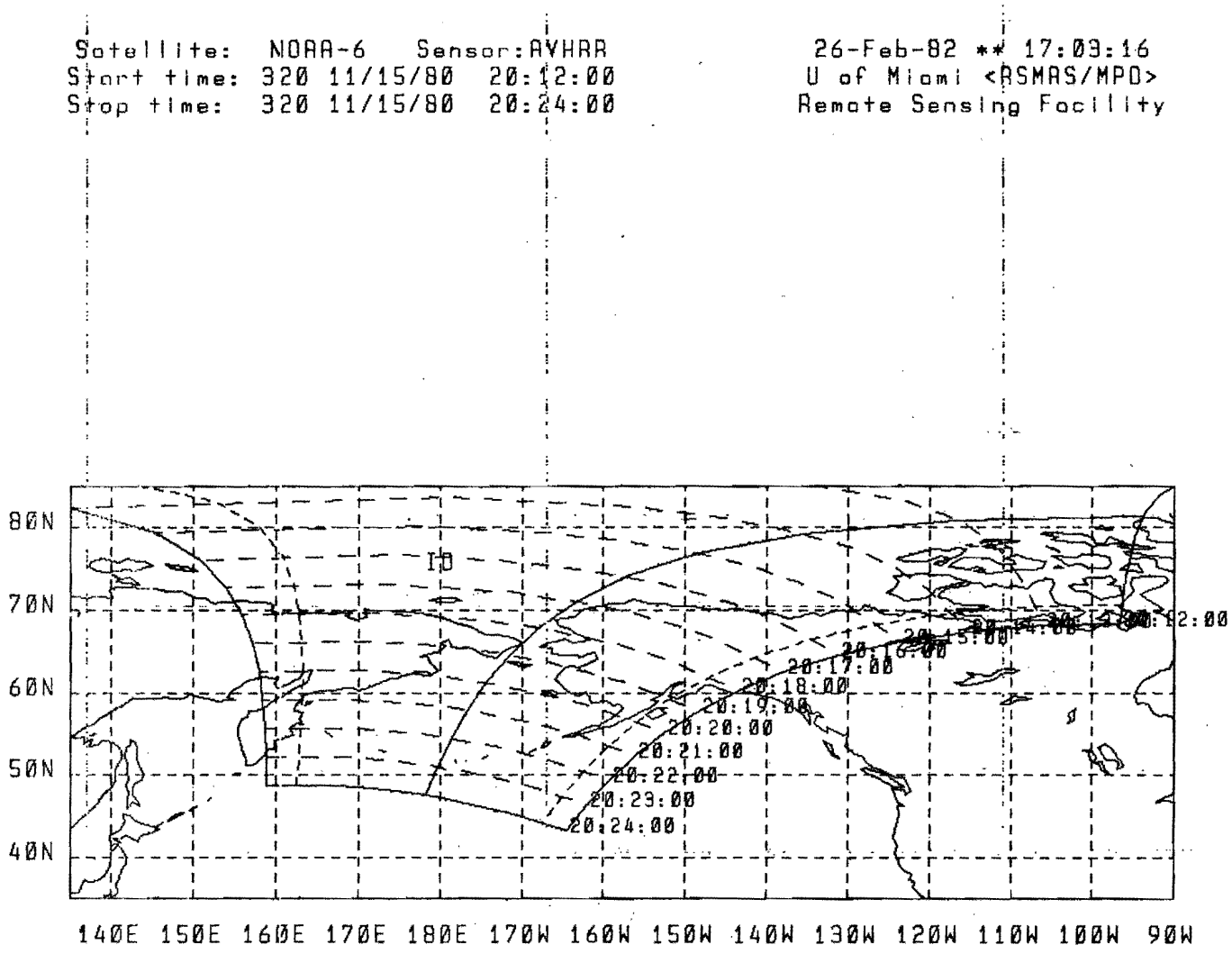
Archive tape: N32016

SDT: 803201651.N06



Archive tape: N32018

SDT: 803201832.N06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Start time: 320 11/15/80 20:12:00
Stop time: 320 11/15/80 20:24:00
26-Feb-82 ** 17:03:16
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20:20:00
20:21:00
20:22:00
20:23:00
20:24:00
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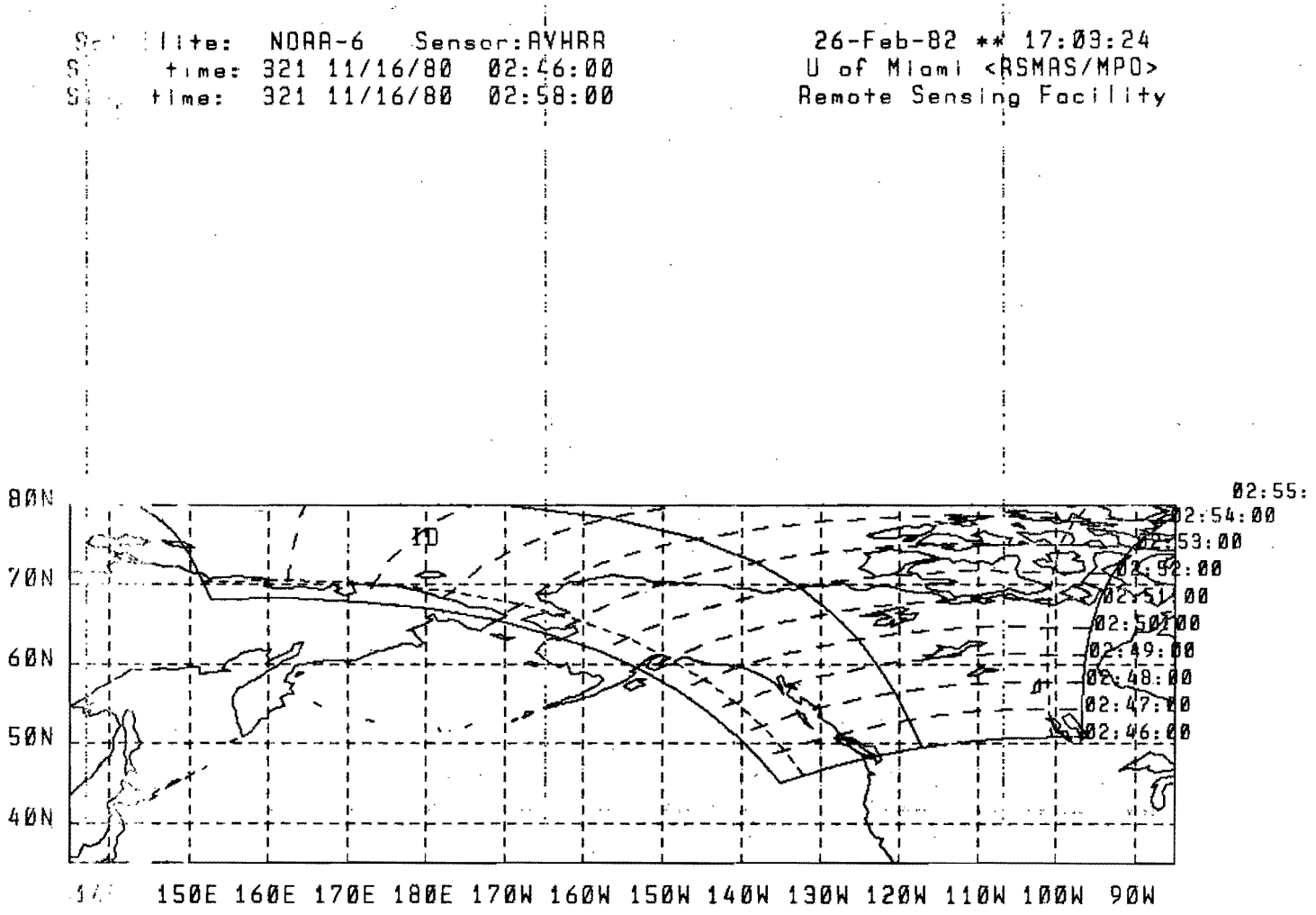
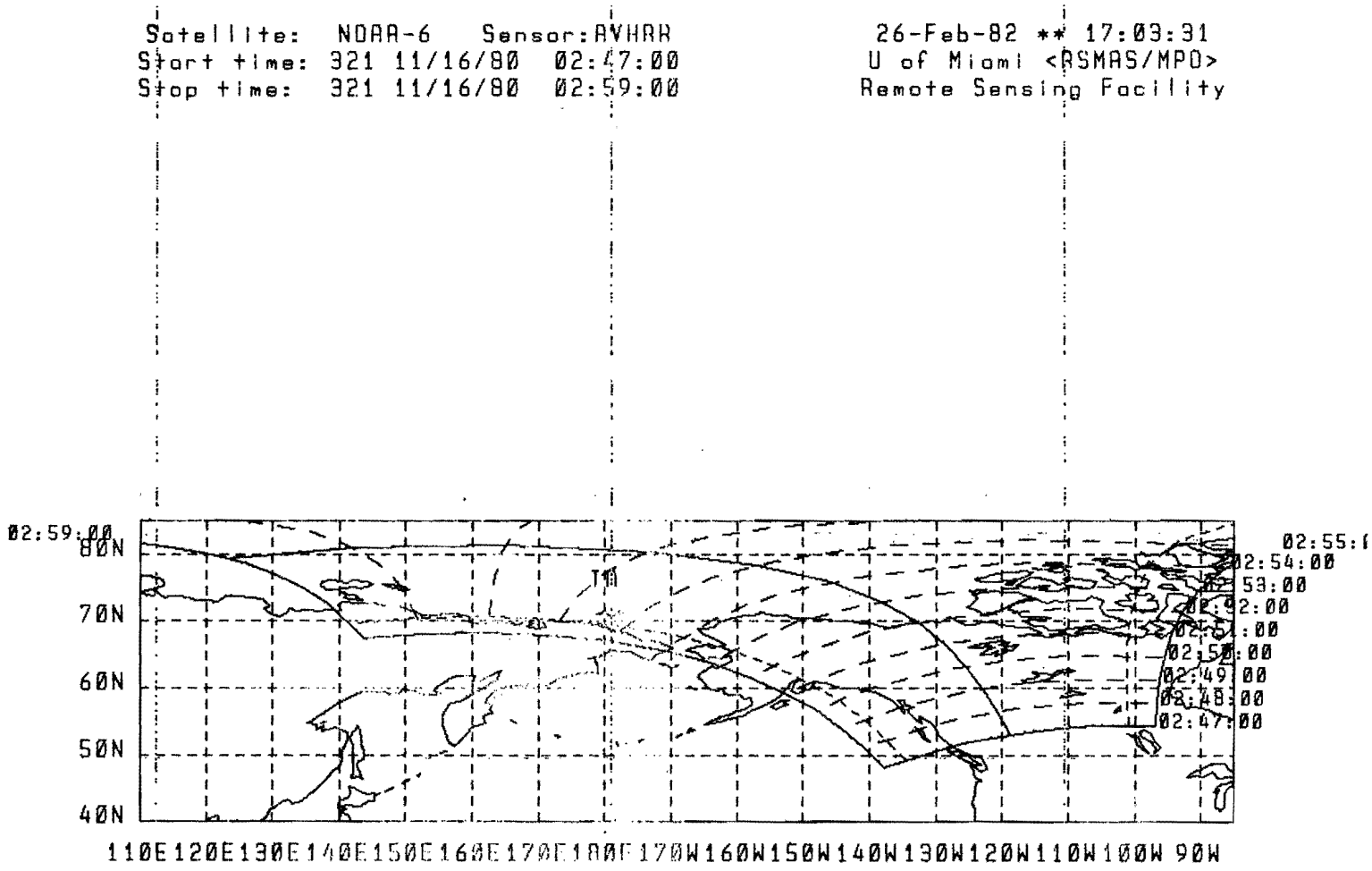
Archive tape: N32020
SDT: 803202012.N06



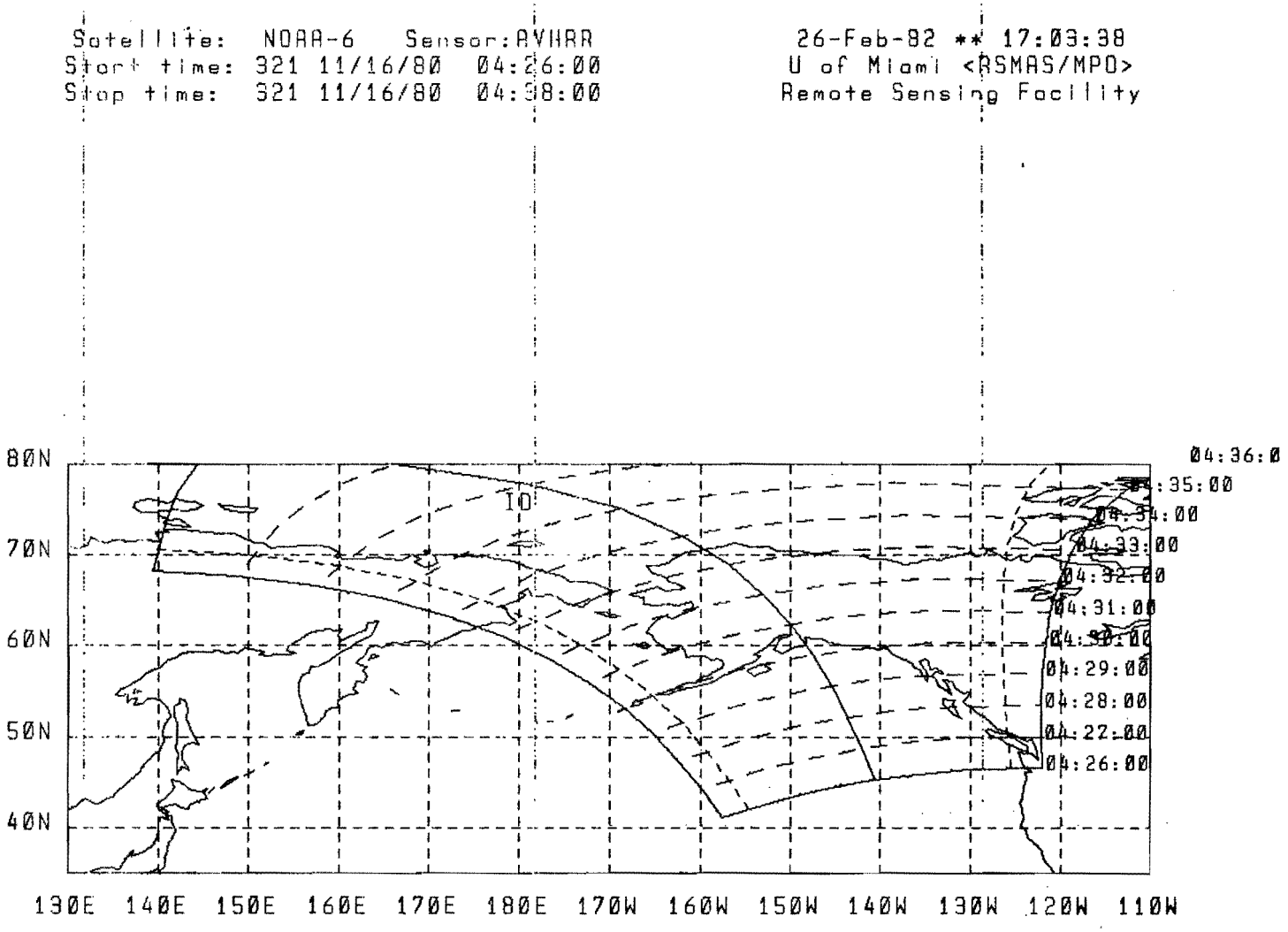
Archive tape: N32102

SDT: 803210246.ND6



Archive tape: N32102

SDT: 803210247.N06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Stop time: 321 11/16/80 04:38:00
26-Feb-82 ** 17:03:38
U of Miami <RSMAS/MPO>
Remote Sensing Facility
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130E 140E 150E 160E 170E 180E 170W 160W 150W 140W 130W 120W 110W
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:34:00
:33:00
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:29:00
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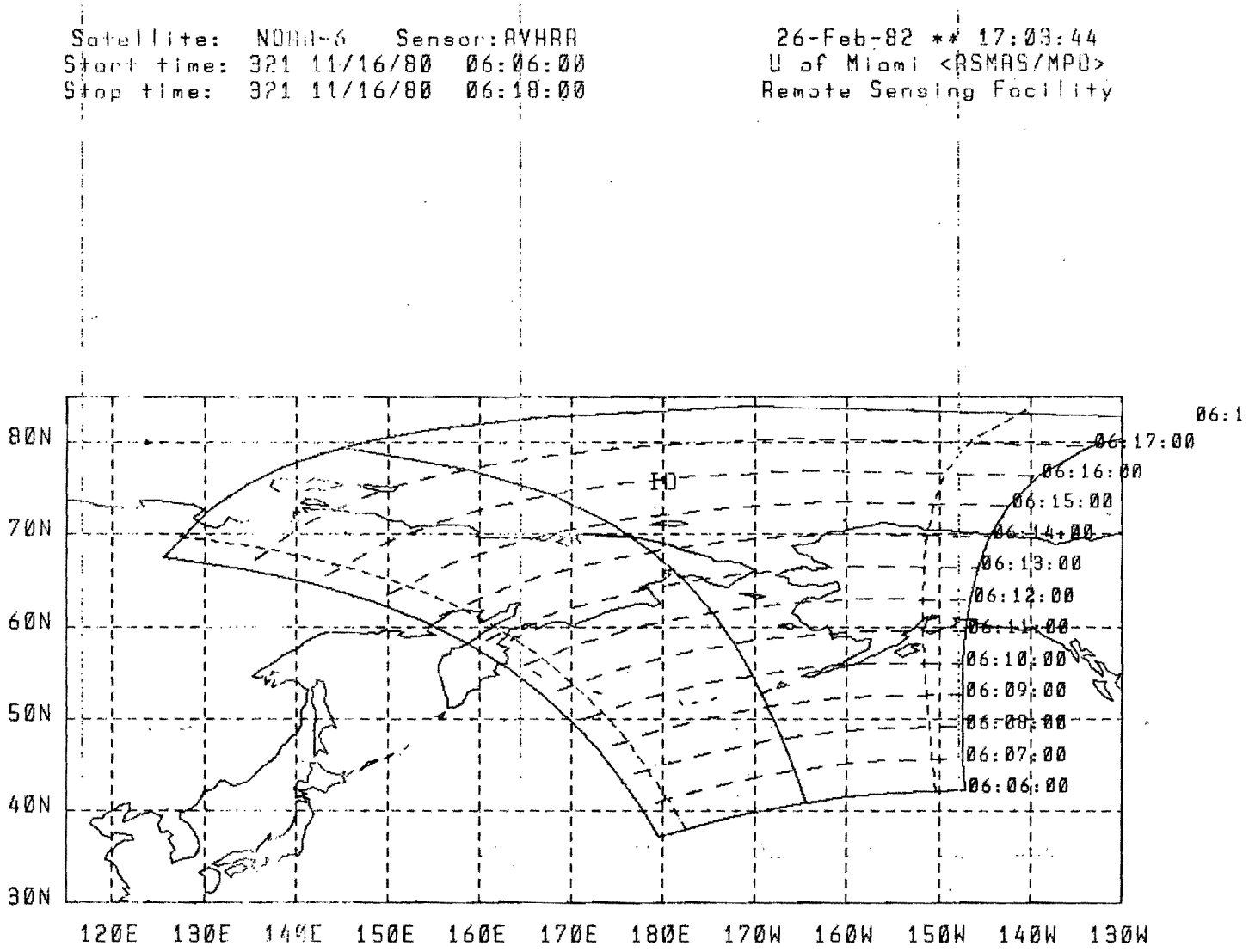
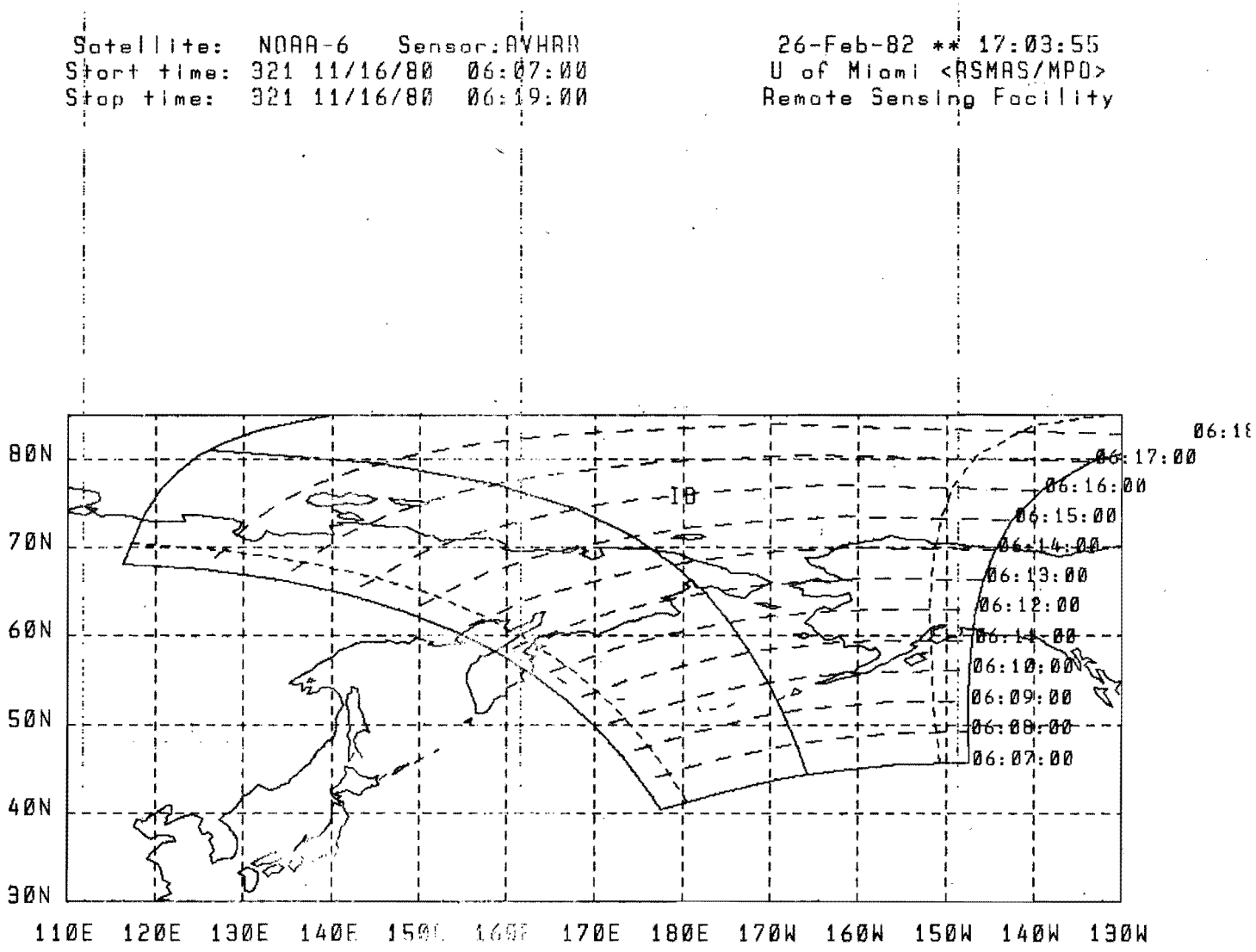
:22:00
:26:00
Archive tape: N32104
SOT: 803210426.NO6



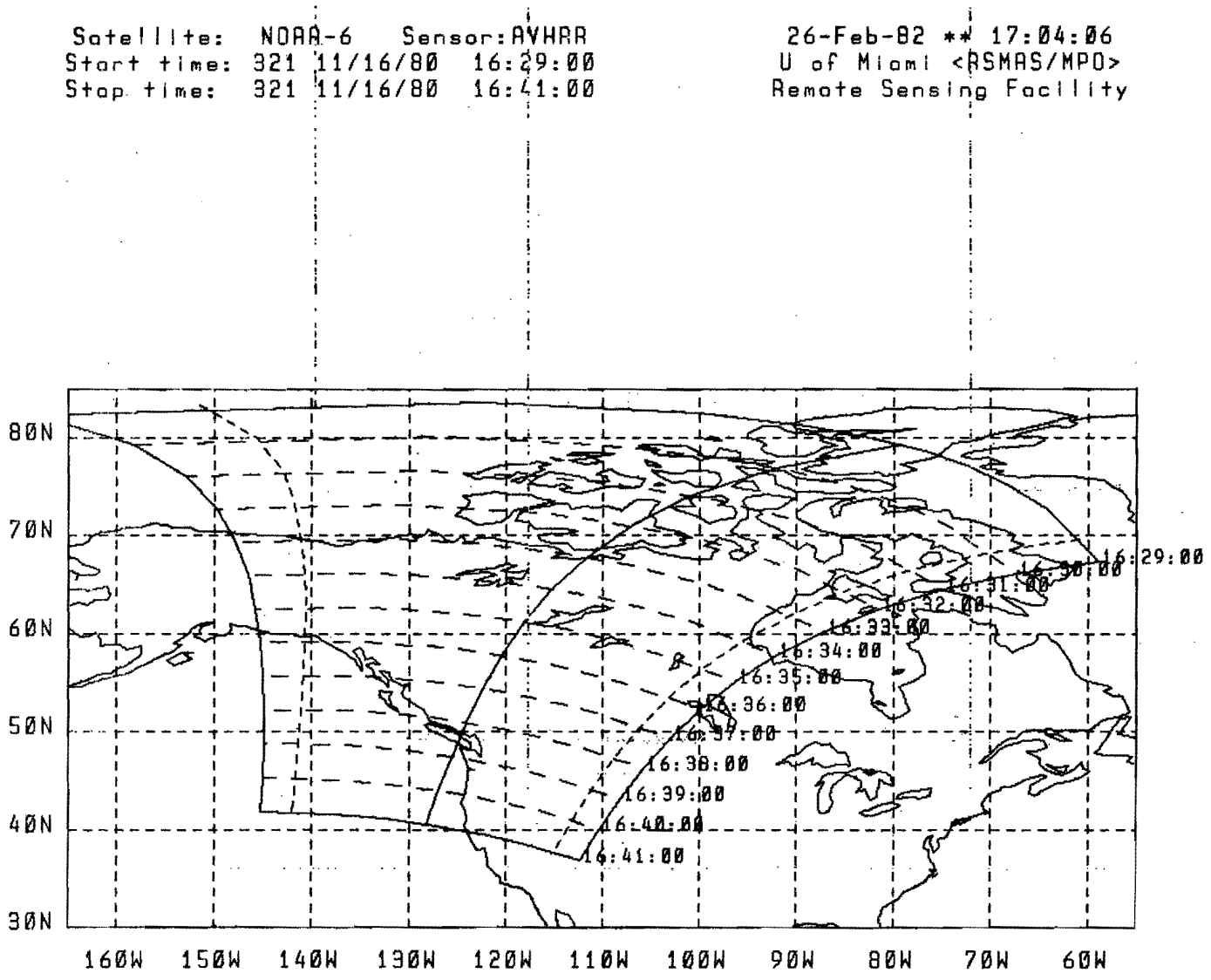
Archive tape: N32106

SDT: 803210606.N06



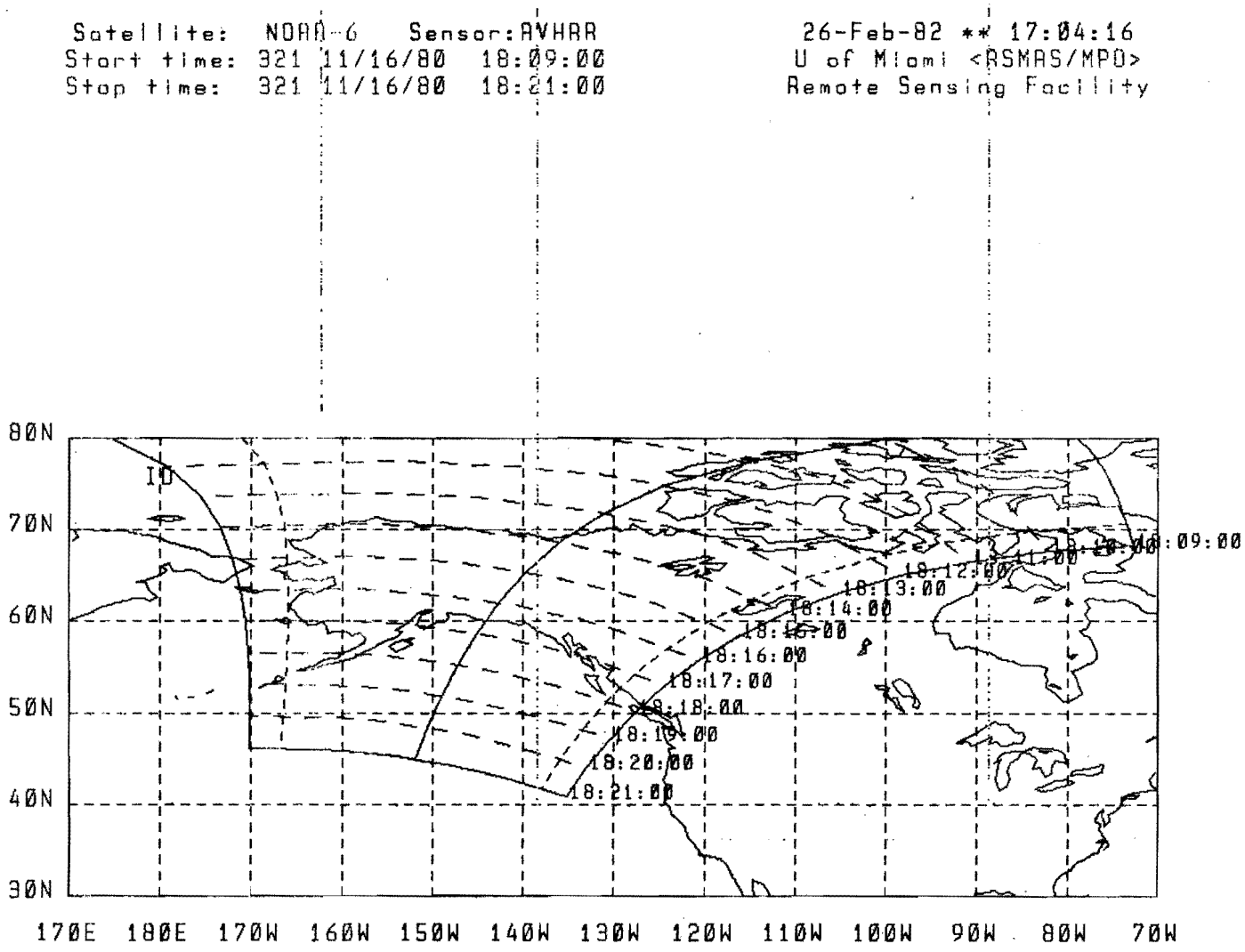
Archive tape: N32106

SDT: 803210607.N06



Archive tape: N32116

SDT: 803211629.N06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Start time: 321 11/16/80 18:09:00
Stop time: 321 11/16/80 18:21:00
26-Feb-82 ** 17:04:16
U of Miami <RSMAS/MPO>
Remote Sensing Facility
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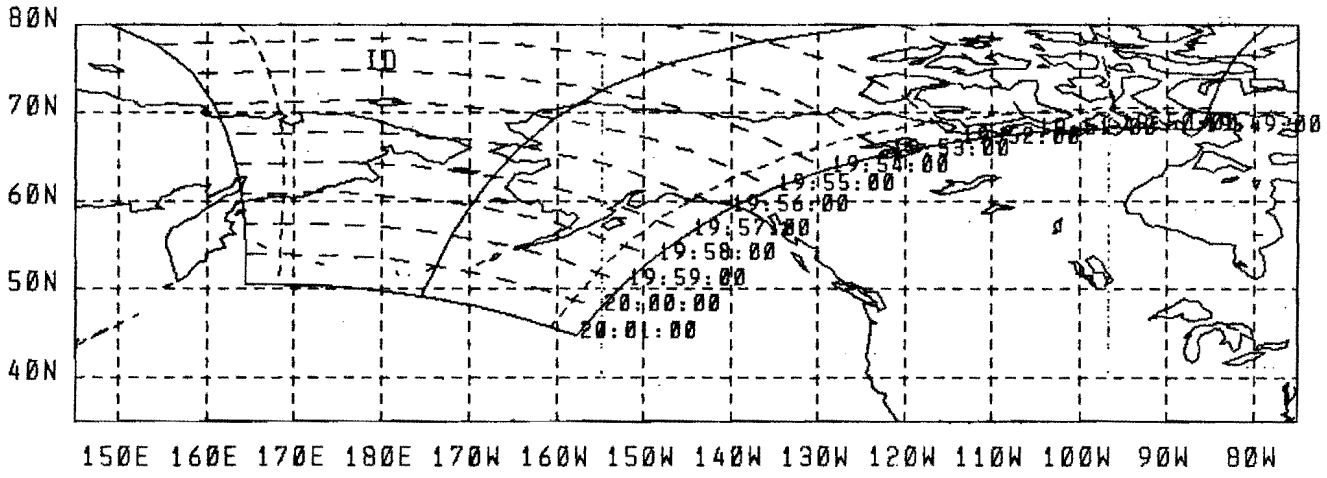
18:09:00
18:12:00
18:13:00
18:14:00
18:16:00
18:17:00
18:18:00
18:19:00
18:20:00
18:21:00
Archive tape: N32118
SDT: 803211809.N06

Sotellite: NOAA-6 Sensor:AVHRR
Start time: 321 11/16/80 19:49:00
Stop time: 321 11/16/80 20:01:00

26-Feb-82 ** 17:04:23
U of Miami <RSMAS/MPO>
Remote Sensing Facility

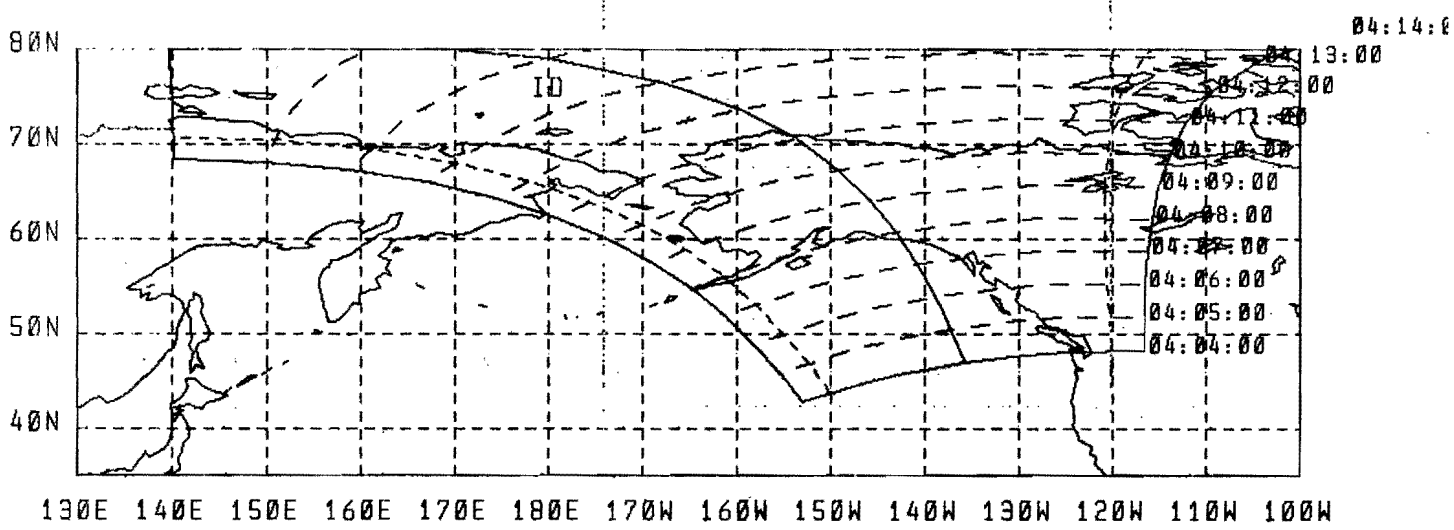


Archive tape: N32119

SDT: 803211949.N06

Satellite: NOAA-6 Sensor:AVHRR
Start time: 322 11/17/80 04:04:00
Stop time: 322 11/17/80 04:16:00

26-Feb-82 ** 17:04:34
U of Miami <RSMAS/MPO>
Remote Sensing Facility



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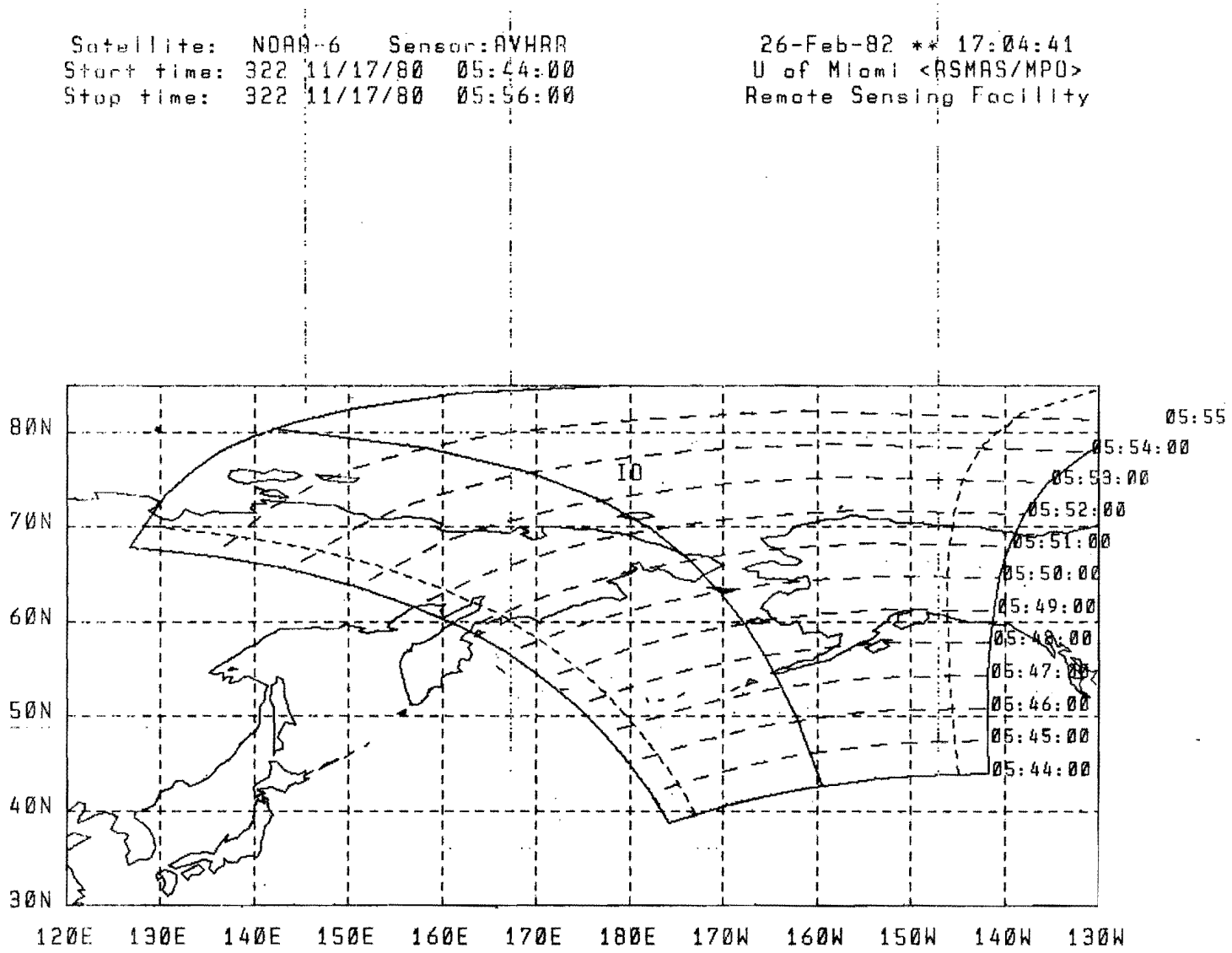
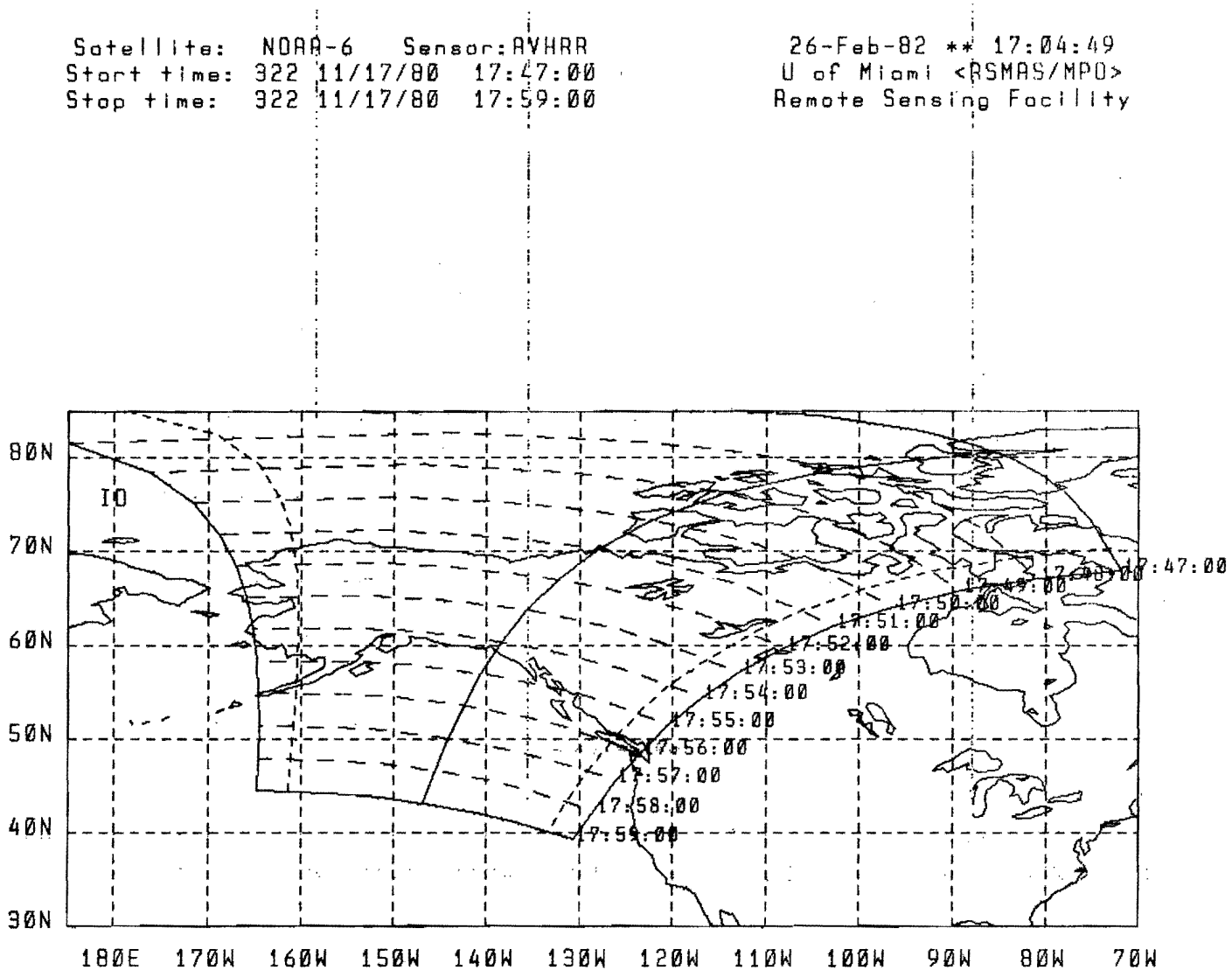
SDT: 803220404.N06



Archive tape: N32205

SOT: 803220544.N06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Stop time: 322 11/17/80 17:59:00
26-Feb-82 ** 17:04:49
U of Miami <RSMAS/MPO>
Remote Sensing Facility
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40N
30N
180E
170W
160W
150W
140W
130W
120W
110W
100W
90W
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17:51:00
17:52:00
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17:59:00
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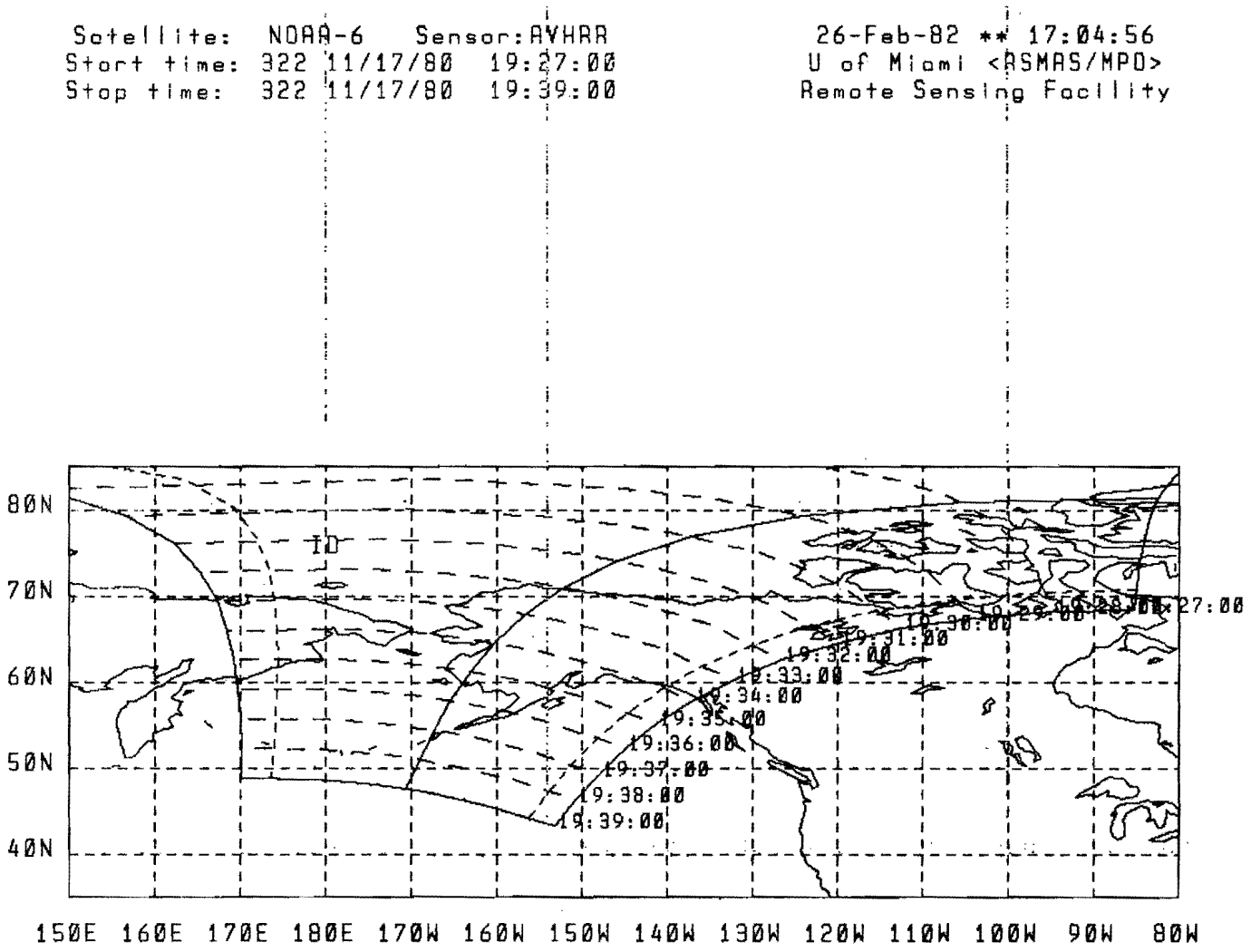
SDT: 803221747.ND6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Stop time: 322 11/17/80 19:39:00
26-Feb-82 ** 17:04:56
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60N
50N
40N
150E 160E 170E 180E 170W 160W 150W 140W 130W 120W 110W 100W 90W 80W
19:31:00
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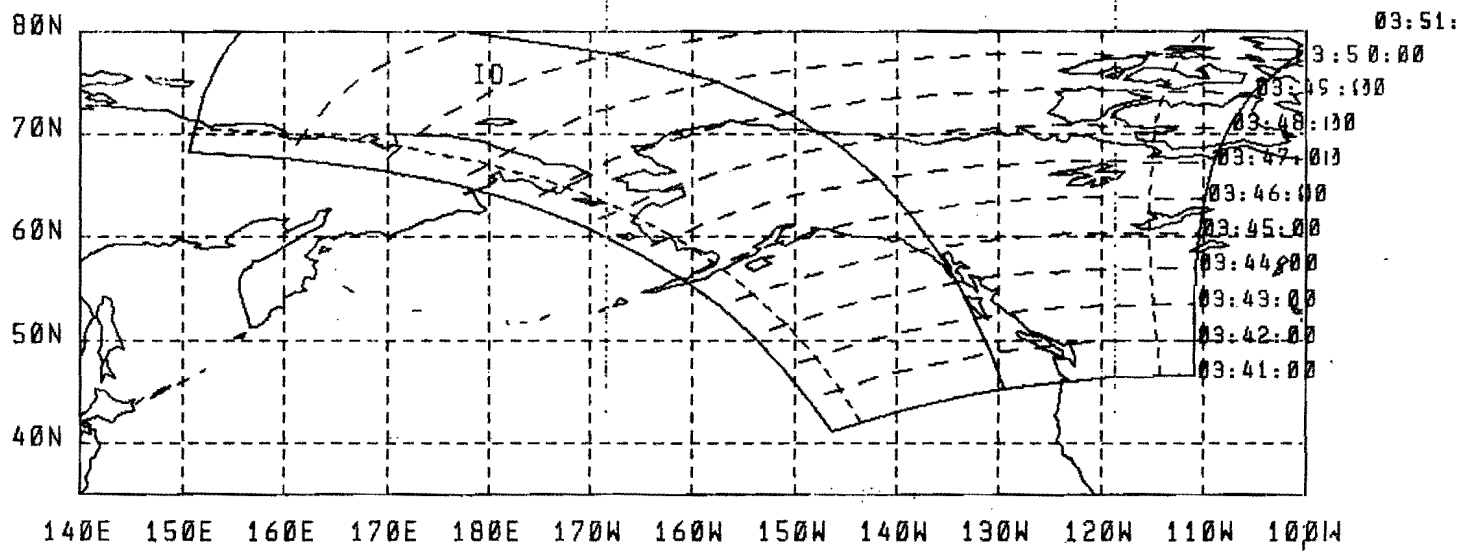
19:37:00
19:38:00
19:39:00
Archive tape: N32219
SDT: 803221927.N06

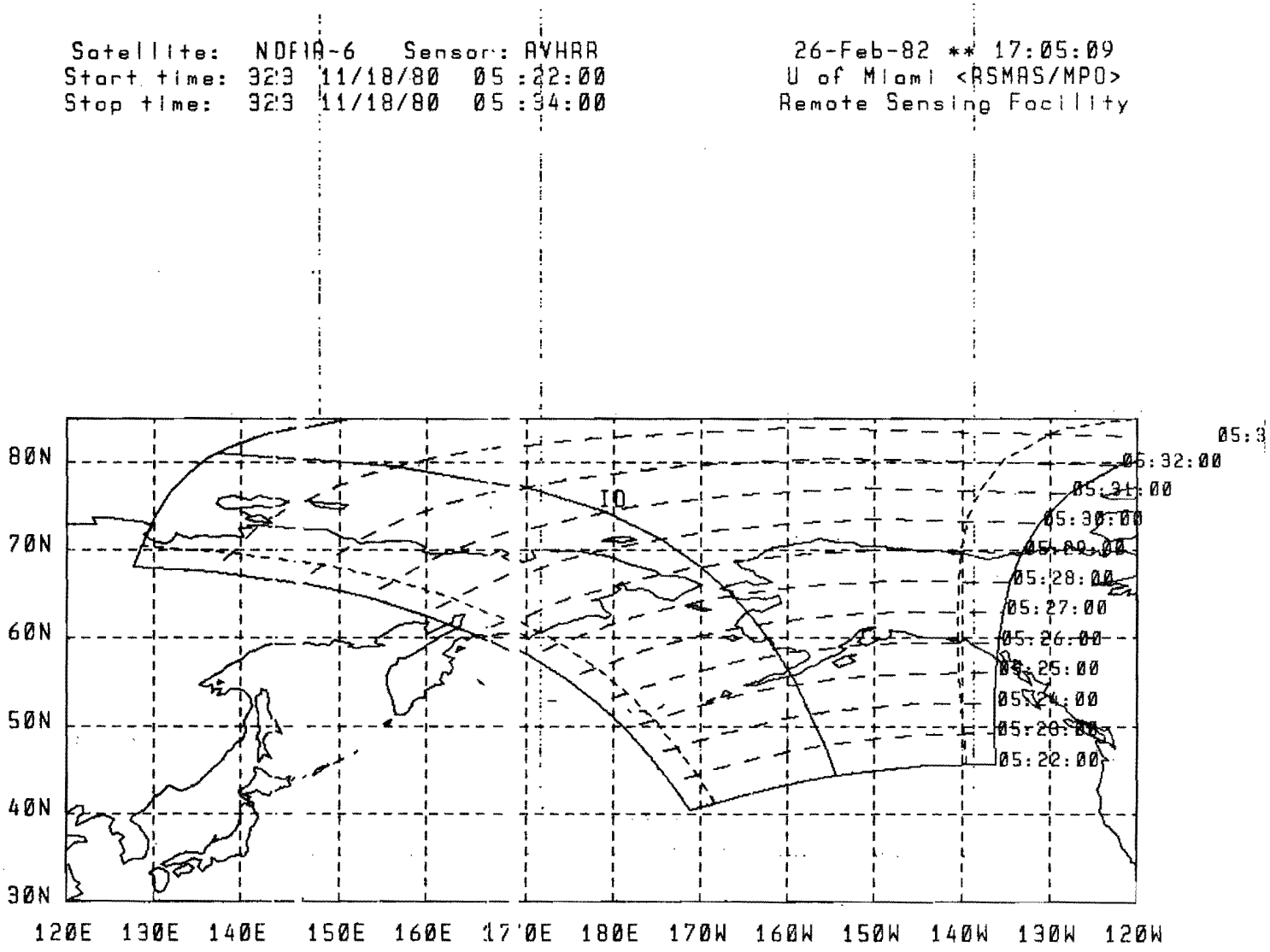
Satellite: NOAA-6 Sensor:AVHRR
Start time: 323 11/18/80 03:41:00
Stop time: 323 11/18/80 03:53:00

26-Feb-82 ** 17:05:02
U of Miami <RSMAS/MPO>
Remote Sensing Facility



Archive tape: N32303

SDT: 803230341.NO6


Satellite: NOAA-6 Sensor: AVHRR
Start time: 323 11/18/80 05:22:00
Stop time: 323 11/18/80 05:34:00
26-Feb-82 ** 17:05:09
U of Miami <RSMAS/MPO>
Remote Sensing Facility
80N
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50N
40N
30N
120E 130E 140E 150E 160E 170E 180E 170W 160W 150W 140W 130W 120W
IO
05:32:00
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05:30:00
05:29:00
05:28:00
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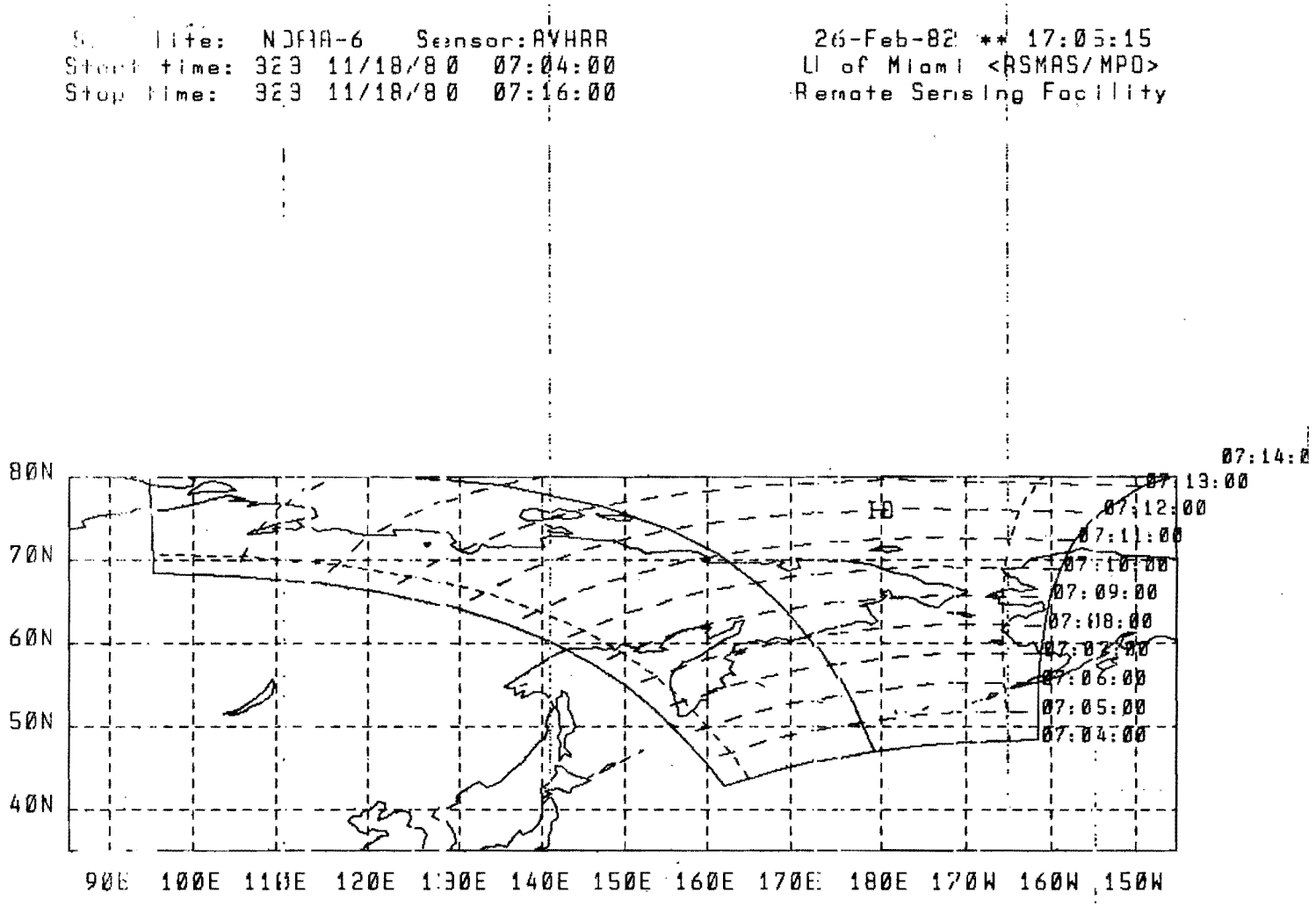
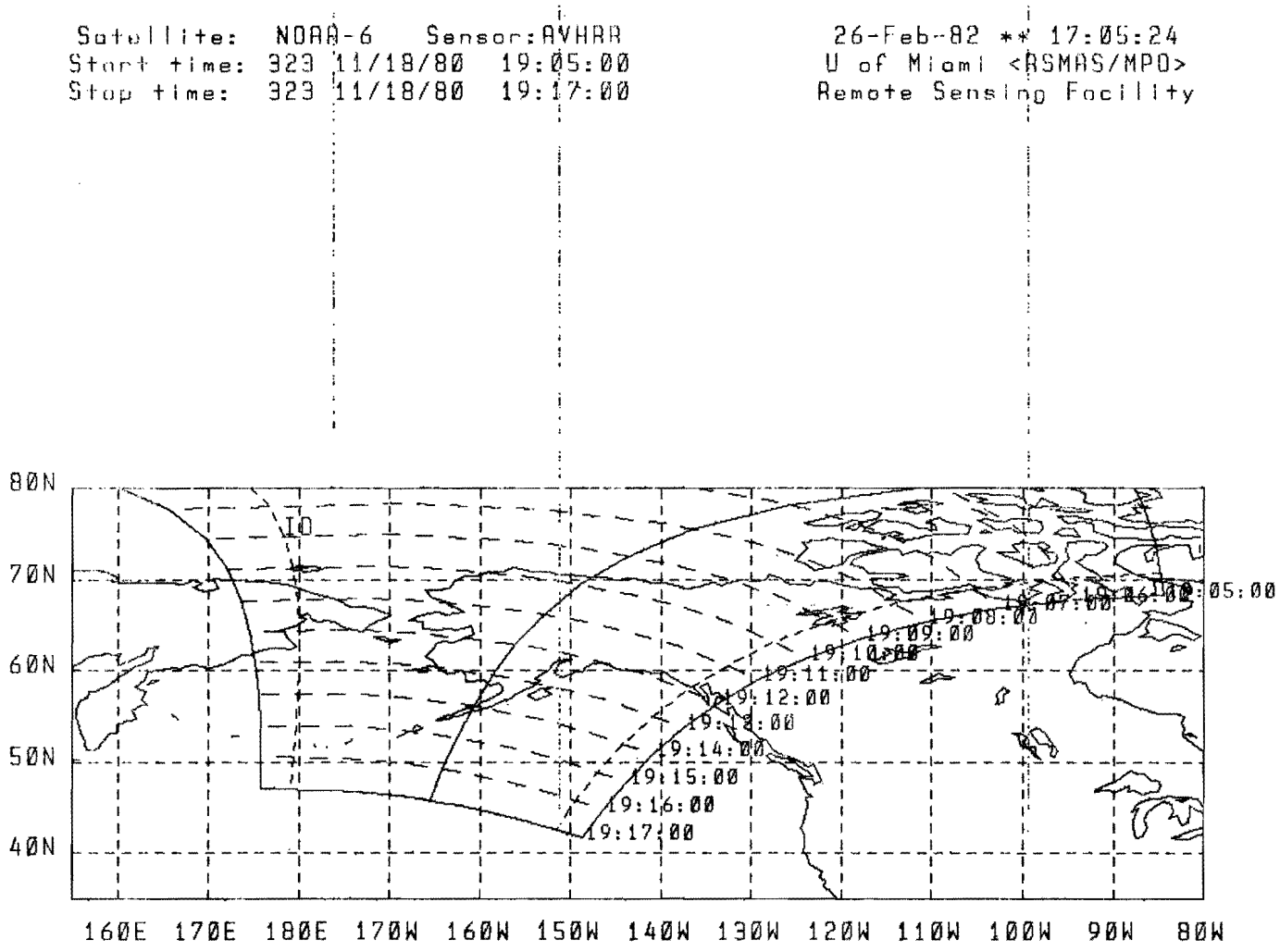
05:22:00
Archive tape: N32305
SDT: 803230522.N06



Archive tape: N32307

SDT: B03230704.N06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Start time: 323 11/18/80 19:05:00
Stop time: 323 11/18/80 19:17:00
26-Feb-82 ** 17:05:24
U of Miami <RSMAS/MPO>
Remote Sensing Facility
80N
70N
60N
50N
40N
160E 170E 180E 170W 160W 150W 140W 130W 120W 110W 100W 90W 80W
19:05:00
19:08:00
19:09:00
19:10:00
19:11:00
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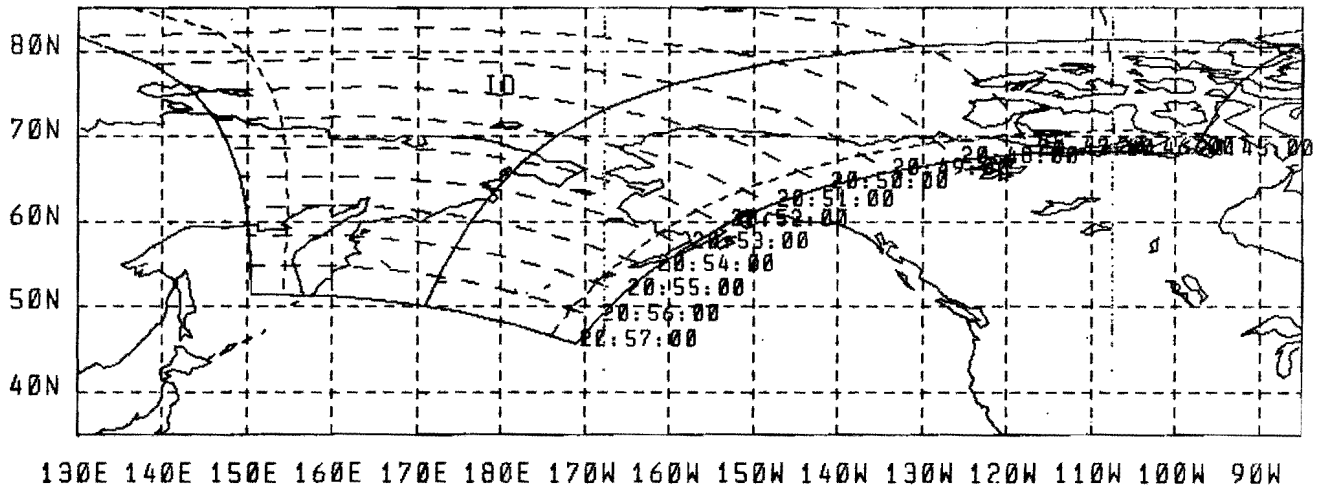
19:17:00
Archive tape: N32319
SDT: 803231905.N06

Satellite: NOAA-6 Sensor:AVHRR
Start time: 323 11/18/80 20:45:00
Stop time: 323 11/18/80 20:57:00

26-Feb-82 ** 17:05:30
U of Miami <RSMAS/MPO>
Remote Sensing Facility



Archive tape: N32320

SDT: 803232045.N06

Satellite: NOAA-6 Sensor:AVHRR
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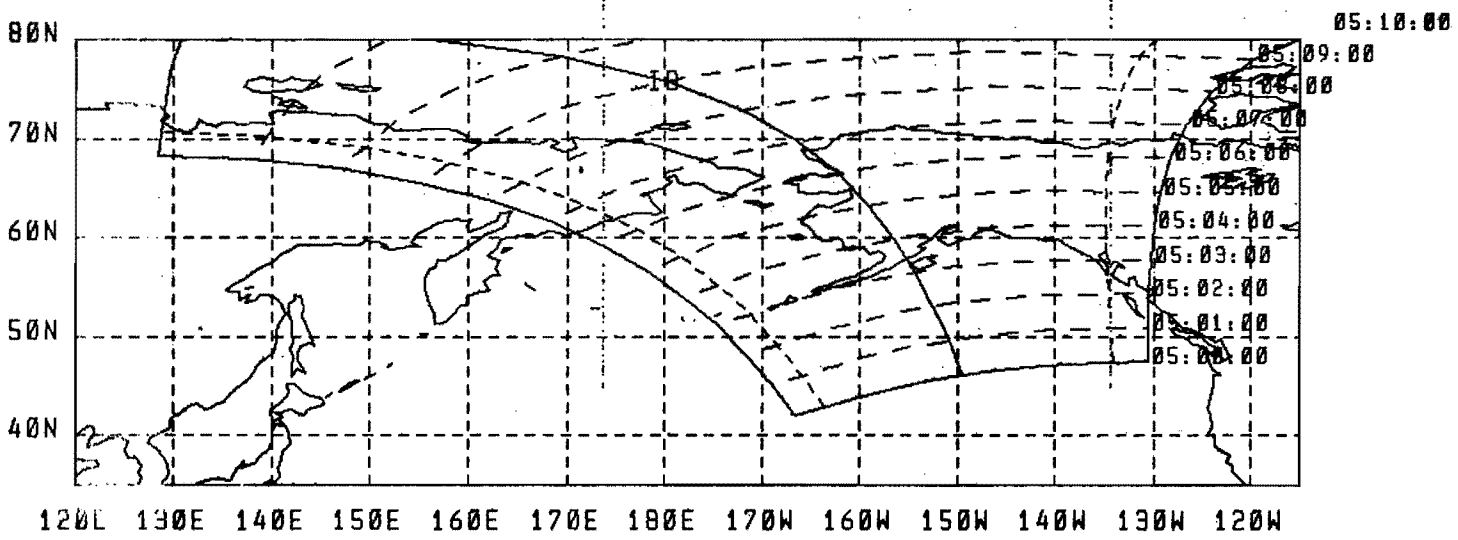
26-Feb-82 ** 17:05:37
U of Miami <RSMAS/MPO>
Remote Sensing Facility

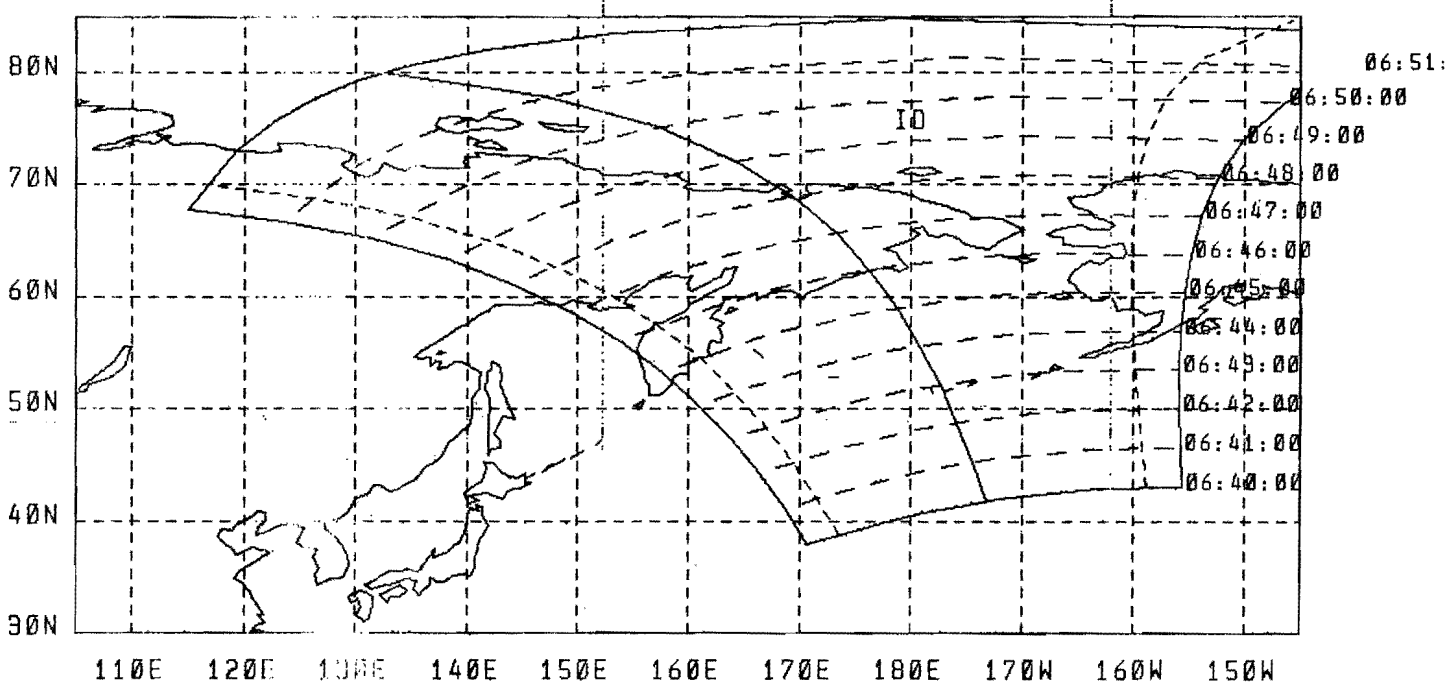


Archive tape: N32405

SDT: 803240500.NO6

Satellite: NOAA-6 Sensor:AVHRR
Start time: 324 11/19/80 06:40:00
Stop time: 324 11/19/80 06:52:00

26-Feb-82 ** 17:05:44
U of Miami <RSMAS/MPO>
Remote Sensing Facility

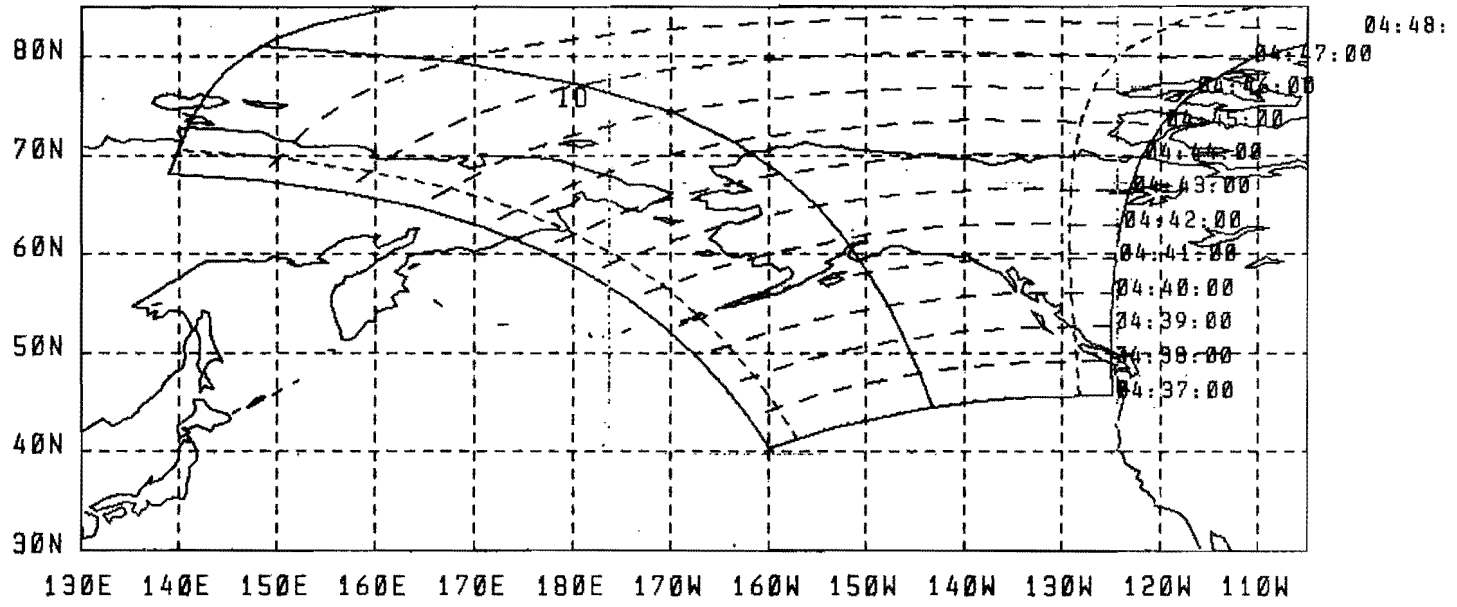


Archive tape: N32406

SOT: 803240640.N06

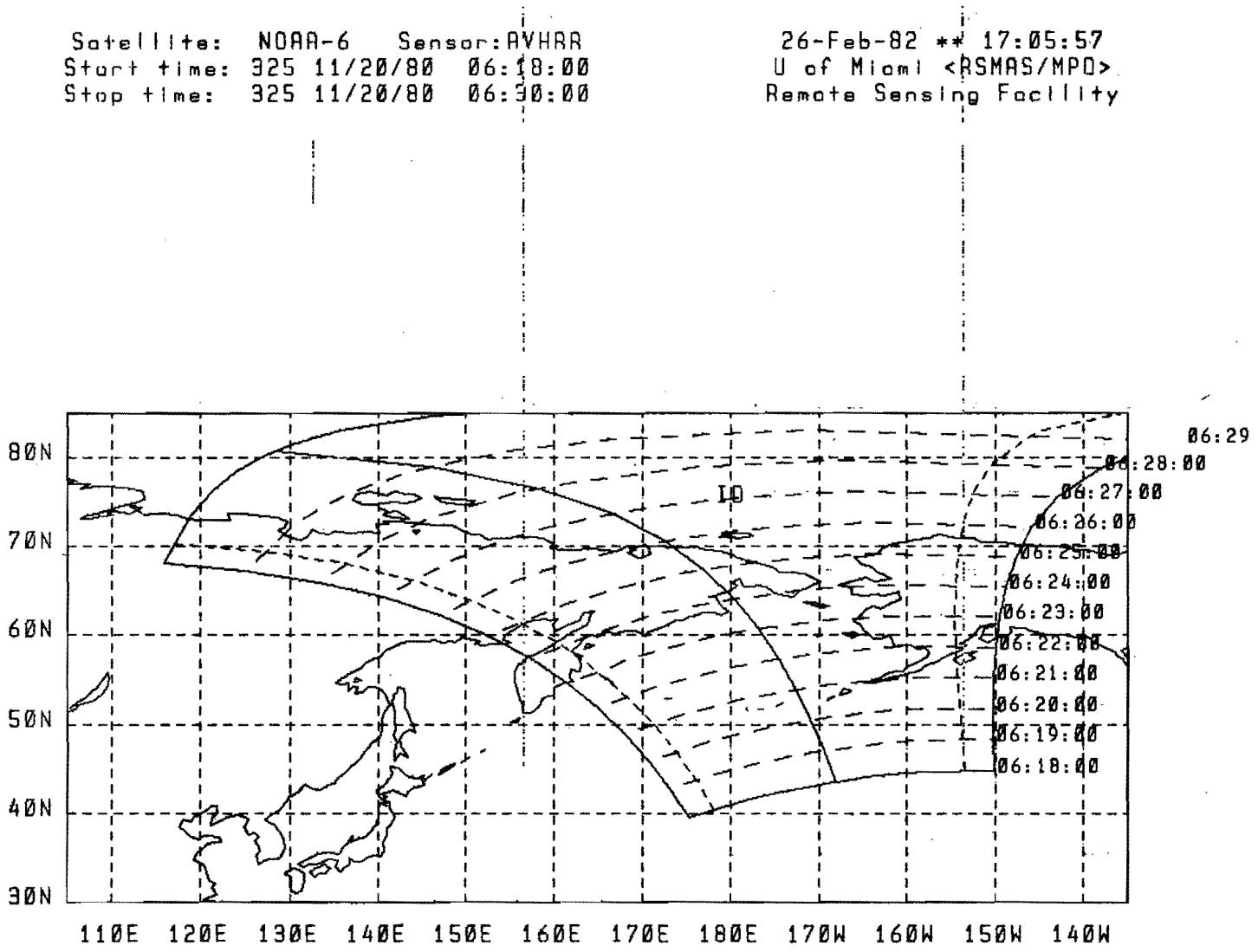
Satellite: NOAA-6 Sensor:AVHRR
Start time: 325 11/20/80 04:37:00
Stop time: 325 11/20/80 04:49:00

26-Feb-82 ** 17:05:50
U of Miami <RSMAS/MPO>
Remote Sensing Facility



Archive tape: N32504

SDT: 803250437.N06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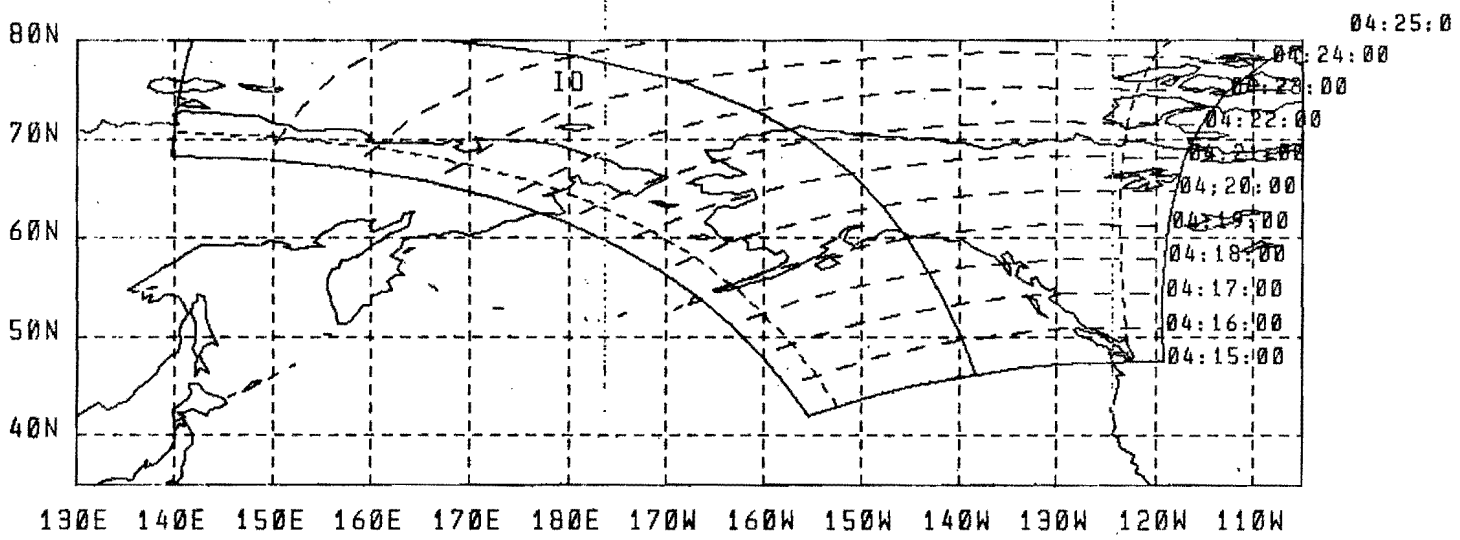
Start time: 325 11/20/80 06:18:00
Stop time: 325 11/20/80 06:30:00
26-Feb-82 ** 17:05:57
U of Miami <RSMAS/MPO>
Remote Sensing Facility
80N
70N
60N
50N
40N
30N
110E 120E 130E 140E 150E 160E 170E 180E 170W 160W 150W 140W
06:29
06:28:00
06:27:00
06:26:00
06:25:00
06:24:00
06:23:00
06:22:00
06:21:00
06:20:00
06:19:00
06:18:00
Archive tape: N32506
SDT: 803250618.N06

Satellite: NOAA-6 Sensor:AVHRR
Start time: 326 11/21/80 04:15:00
Stop time: 326 11/21/80 04:27:00

26-Feb-82 ** 17:06:04
U of Miami <RSMAS/MPO>
Remote Sensing Facility

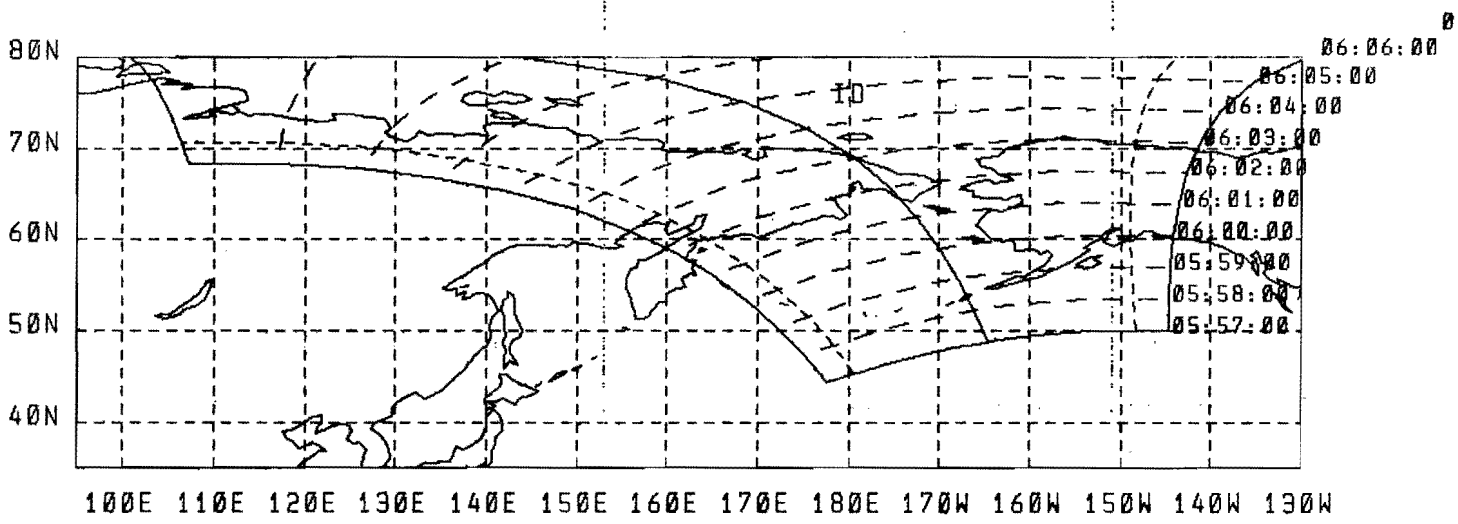


Archive tape: N32604

SDT: 803260415.N06

Satellite: NOAA-6 Sensor:AVHRR
Start time: 326 11/21/80 05:57:00
Stop time: 326 11/21/80 06:09:00

26-Feb-82 ** 17:06:12
U of Miami <RSMAS/MPO>
Remote Sensing Facility

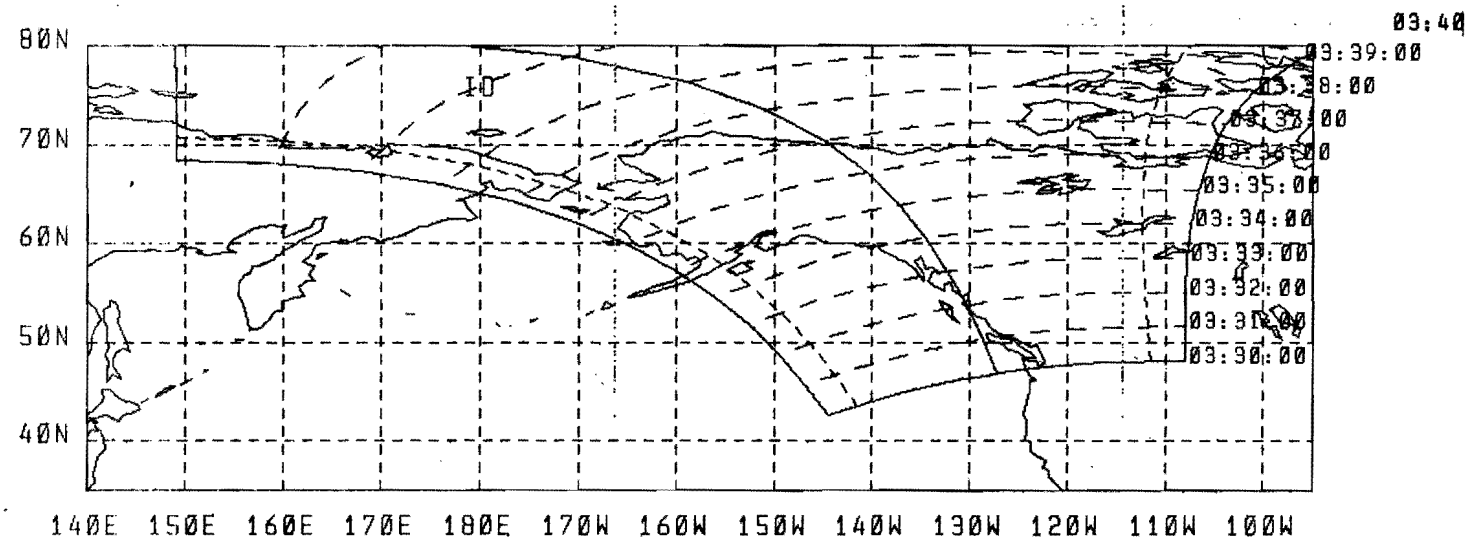


Archive tape: N32605

SDT: 803260557.N06

Satellite: NOAA-6 Sensor:AVHRR
Start time: 337 12/02/80 03:30:00
Stop time: 337 12/02/80 03:42:00

26-Feb-82 ** 17:06:20
U of Miami <RSMAS/MPO>
Remote Sensing Facility

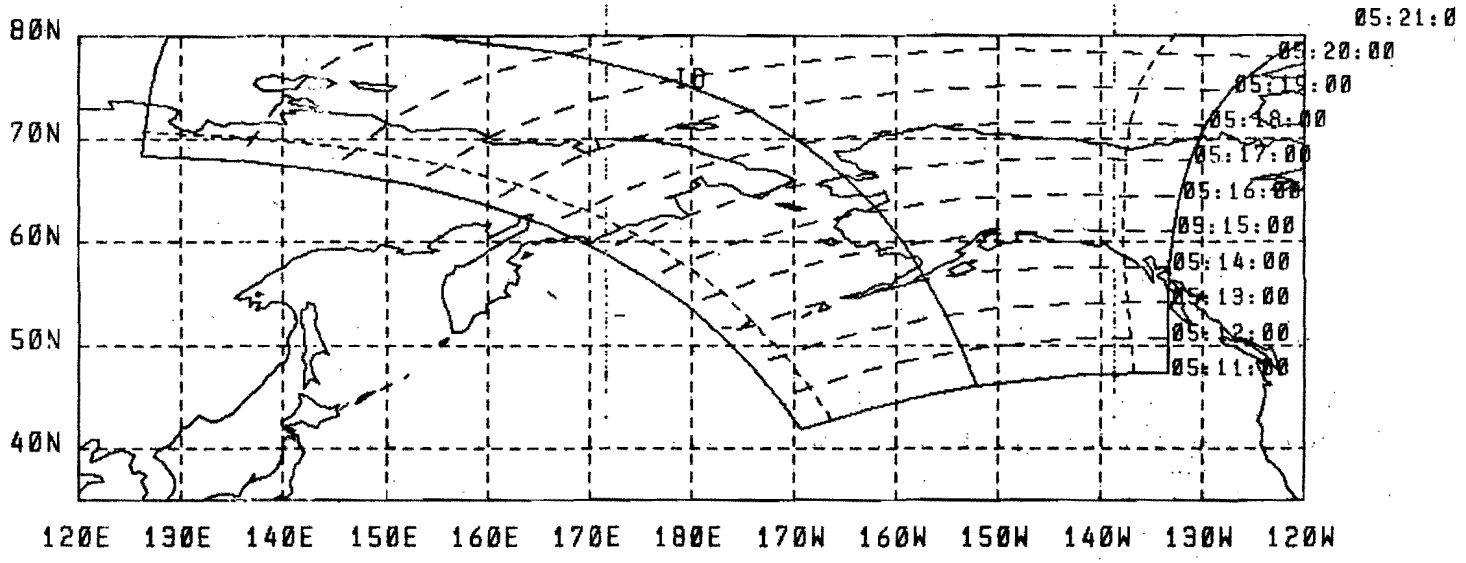


Archive tape: N33703

SDT: 803370330.N06

Satellite: NOAA-6 Sensor:AVHRR
Start time: 337 12/02/80 05:11:00
Stop time: 337 12/02/80 05:23:00

26-Feb-82 ** 17:06:27
U of Miami <RSMAS/MPO>
Remote Sensing Facility



Archive tape: N33705

SDT: 803370511.N06

Satellite: NOAA-6 Sensor:AVHRR
Start time: 337 12/02/80 17:13:00
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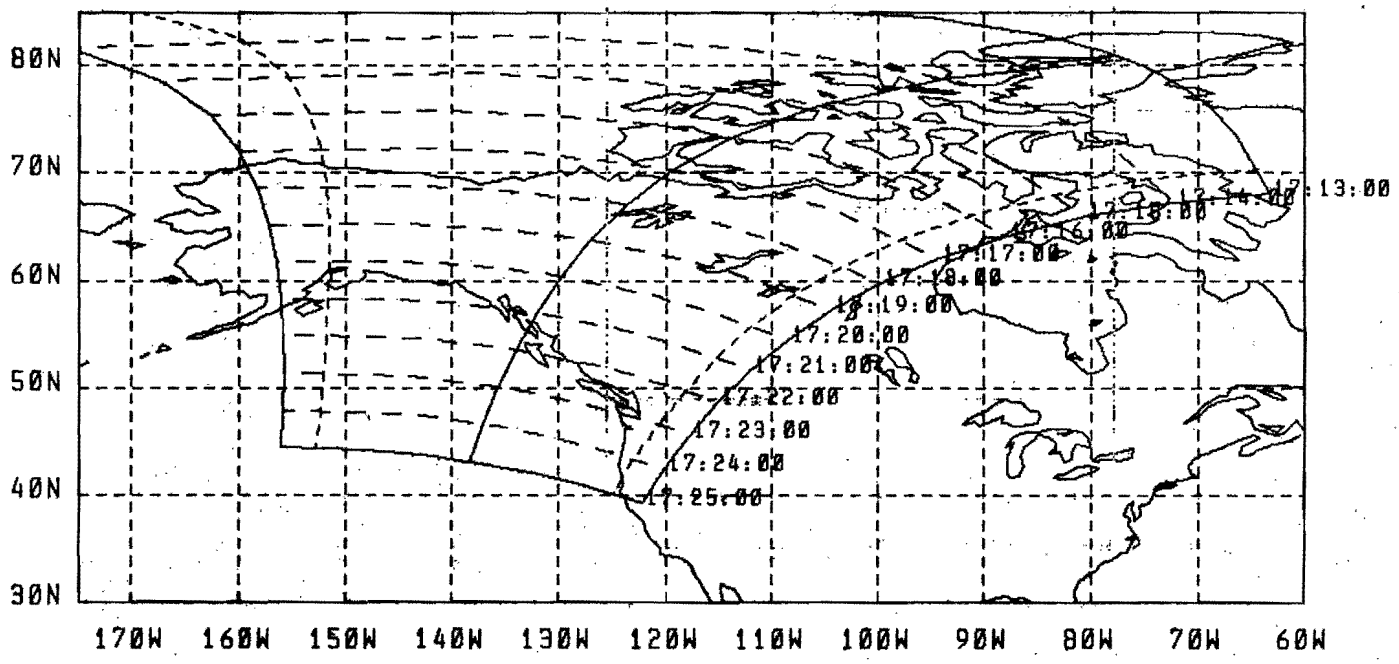
26-Feb-82 ** 17:06:35
U of Miami <RSMAS/MPD>
Remote Sensing Facility

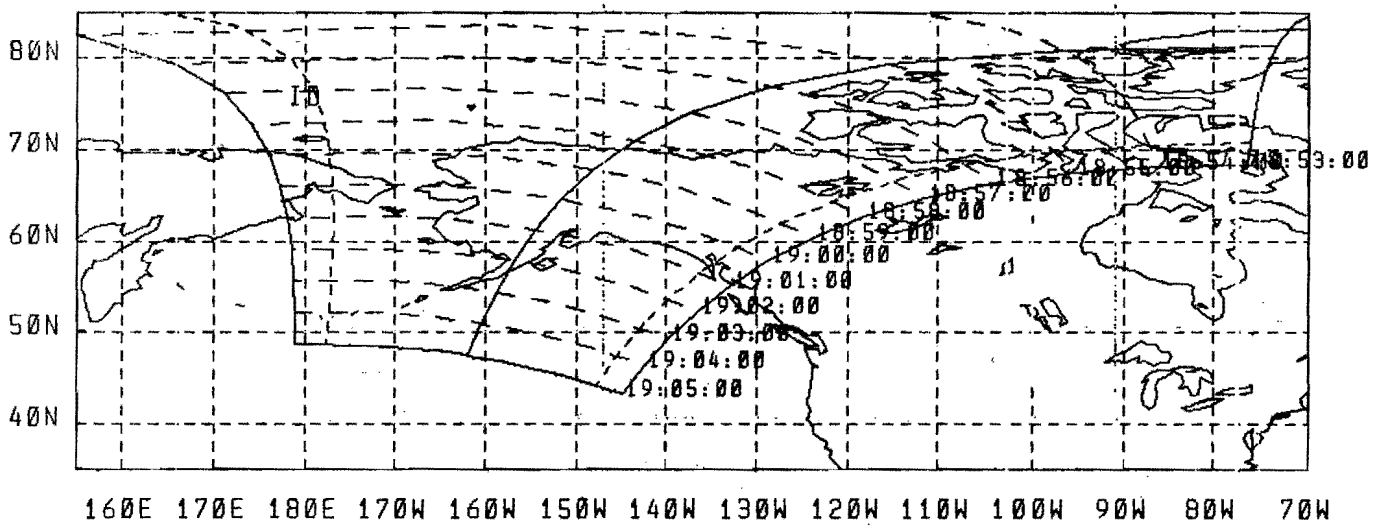


Archive tape: N33717

SDT: 803371713.ND6

Satellite: NOAA-6 Sensor:AVHRR
Start time: 337 12/02/80 18:53:00
Stop time: 337 12/02/80 19:05:00

26-Feb-32 ** 17:06:43
U of Micmi <RSMAS/MPD>
Remote Sensing Facility



Archive tape: N33718

SDT: 803371853.N06

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Start time: 337 12/02/80 20:34: 00
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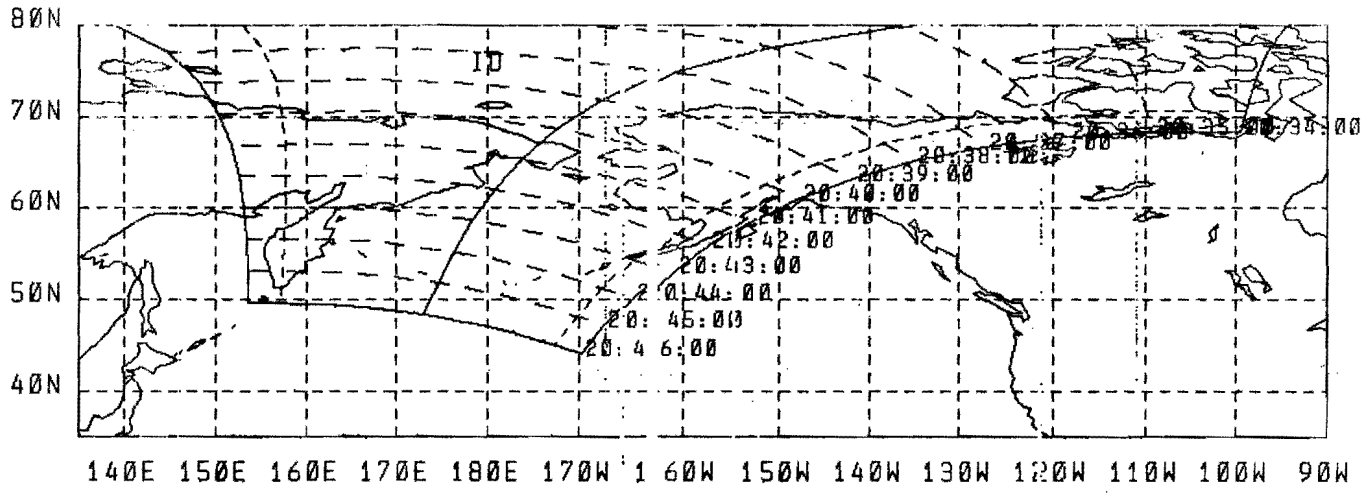
26-Feb-82 ** 17:06:50
U of Miami <RSMAS/MPO>
Remote Sensing Facility



Archive tape: N33720

SDT: 803372034.N06

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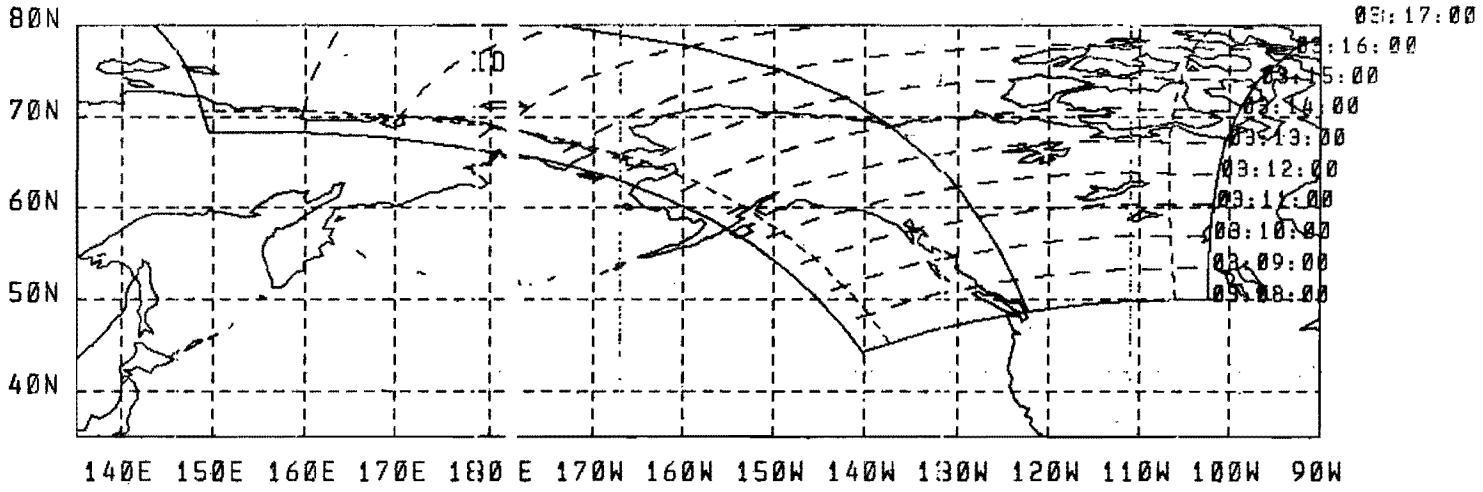
26-Feb-82 ** 17:06:57
U of Miami <RSMAS/MPO>
Remote Sensing Facility



Archive tape: N33803

SDT: 803380308.N06

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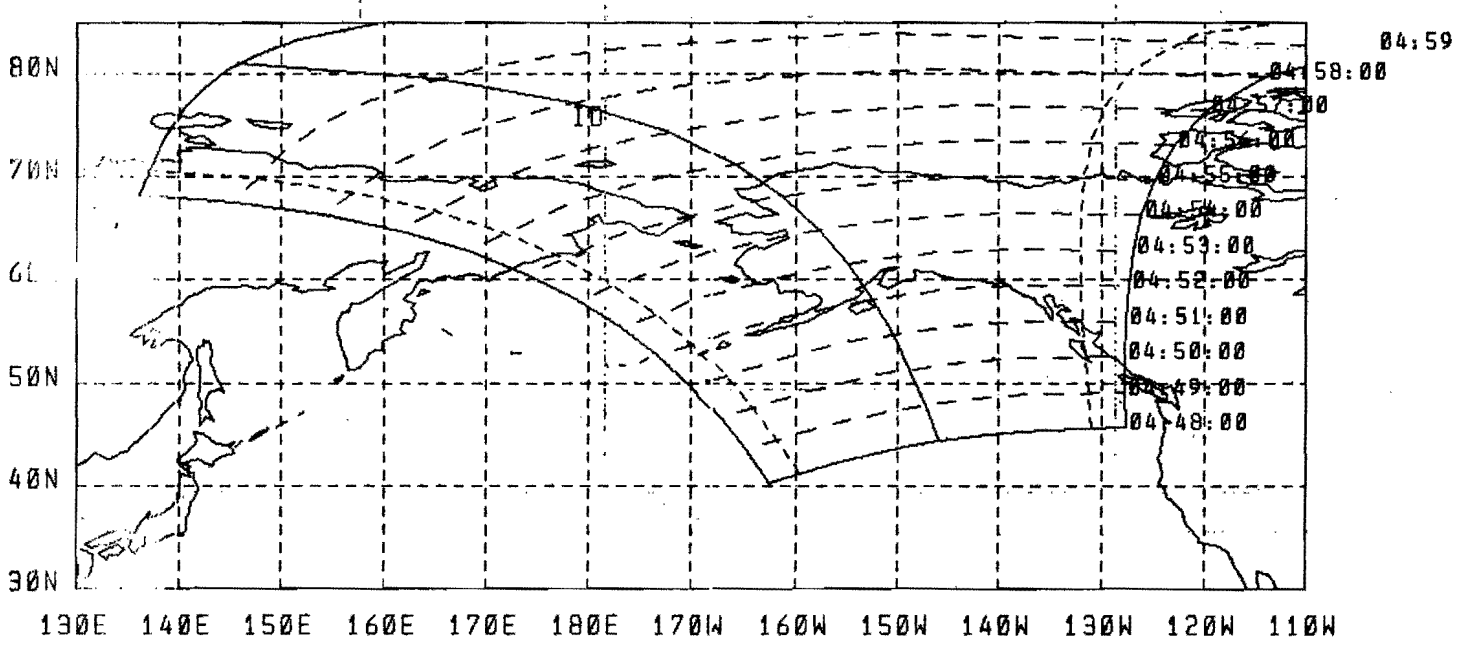
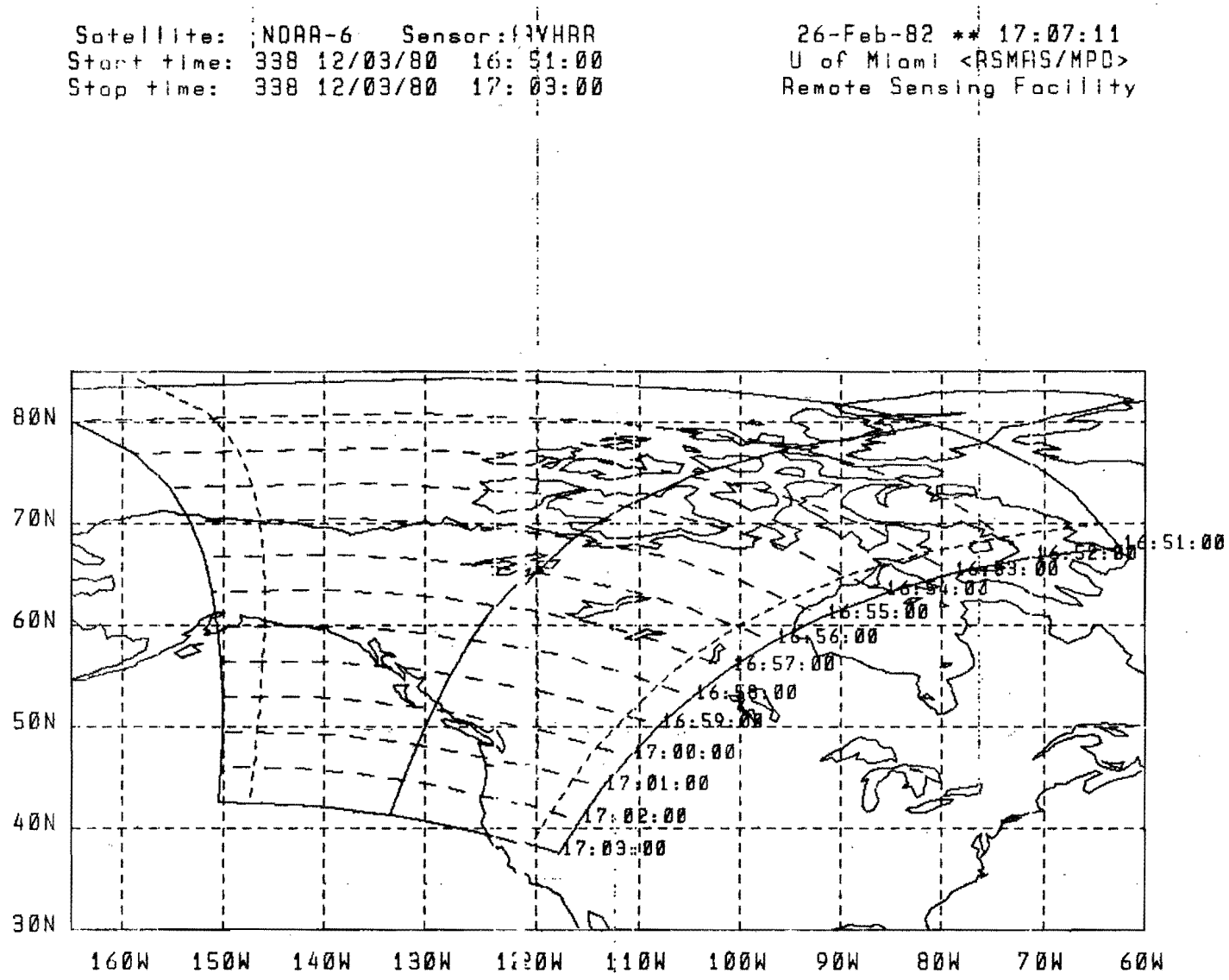
26-Feb-82 ** 17:07:04
U of Miami <RSMAS/MPO>
Remote Sensing Facility



Archive tape: N33804

SDT: 803380448.N06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Stop time: 338 12/03/80 17: 03:00
26-Feb-82 ** 17:07:11
U of Miami <RSMAS/MPD>
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140W
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110W
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17:03:00
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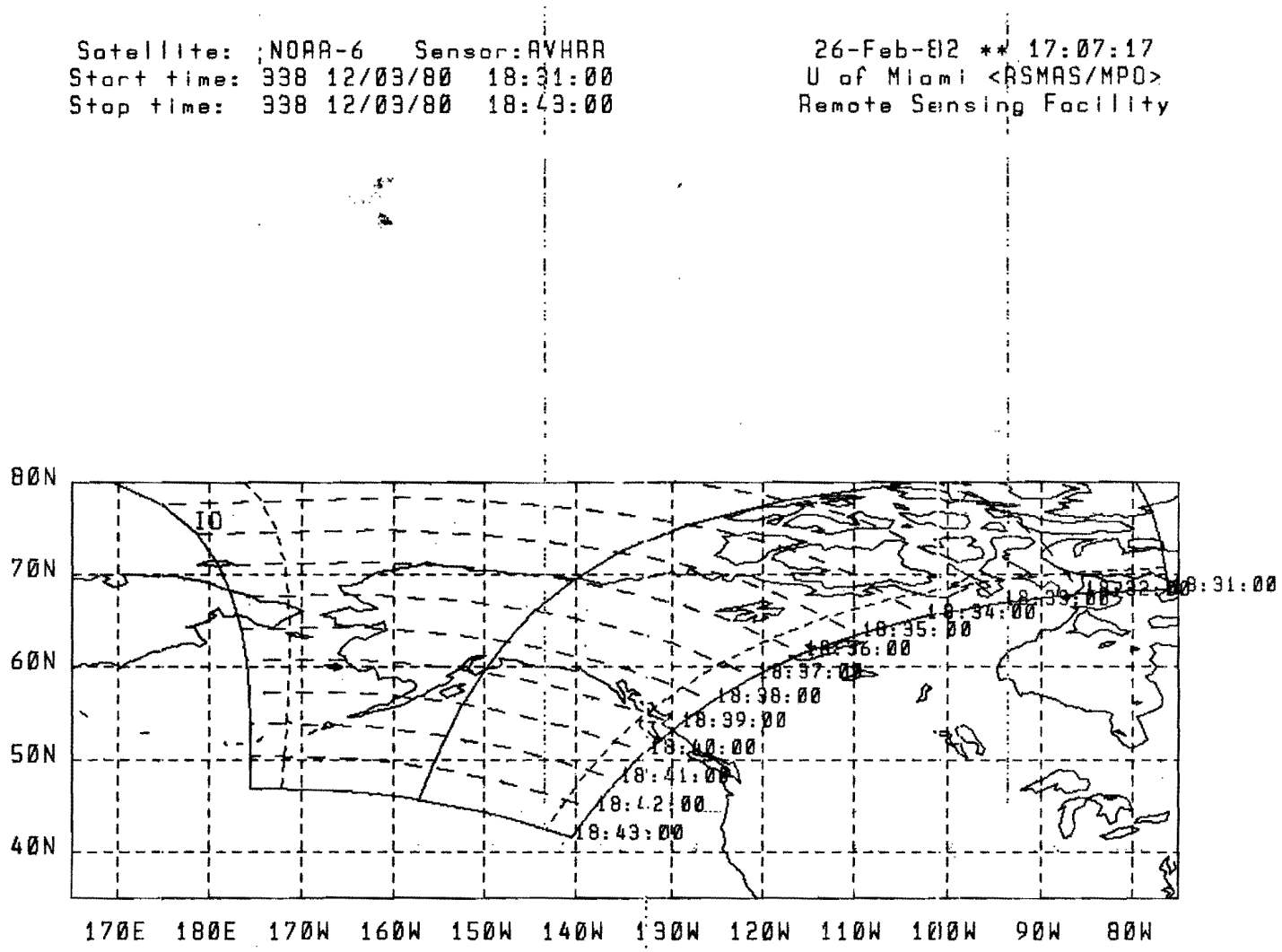
Satellite: NOAA-6 Sensor:AVHRR
Start time: 338 12/03/80 18:31:00
Stop time: 338 12/03/80 18:43:00
26-Feb-82 ** 17:07:17
U of Miami <RSMAS/MPO>
Remote Sensing Facility
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IO
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18:43:00
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SDT: 803381831.N06

Satellite: NOAA-6 Sensor:AVHRR
Start time: 339 12/04/80 02:46:00
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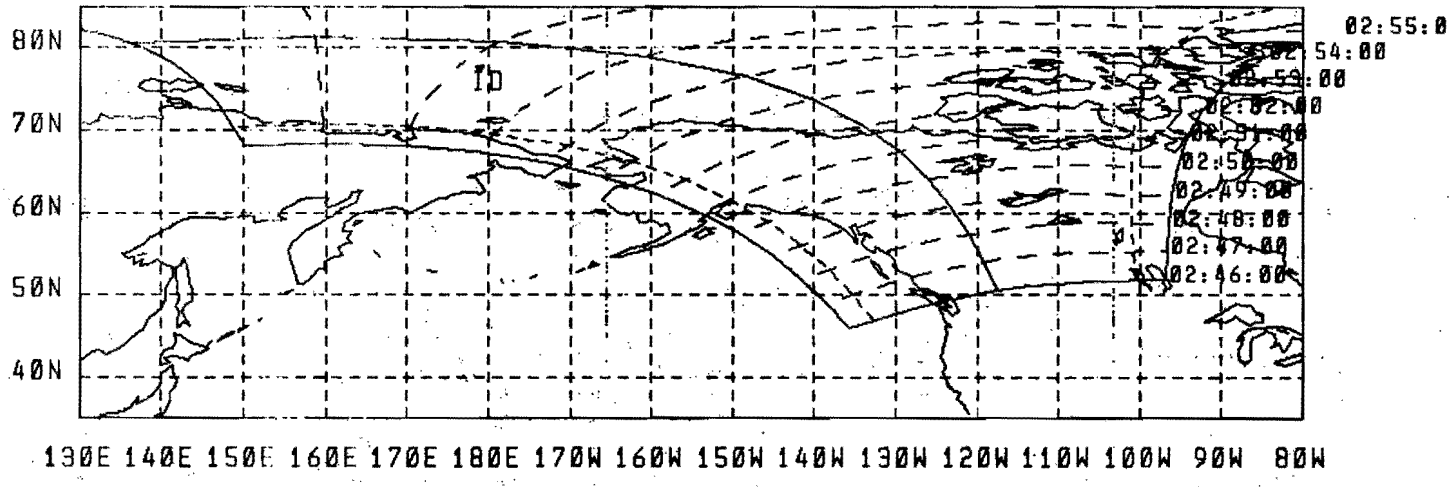
26-Feb-82 ** 17:07:26
U of Miami <RSMAS/MPO>
Remote Sensing Facility



Archive tape: N33902

SDT: 803390246.N06

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Start time: 339 12/04/80 04:30:00
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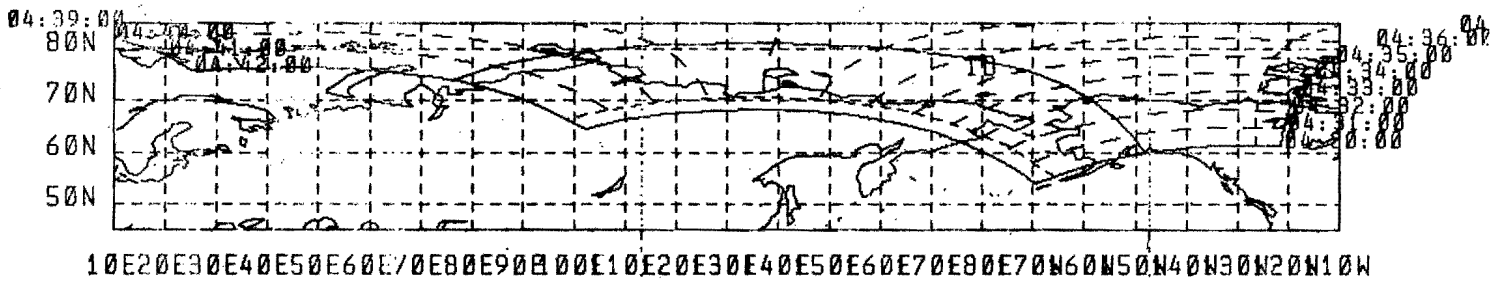
26-Feb-82 ** 17:07:36
U of Miami <RSMAS/MPO>
Remote Sensing Facility



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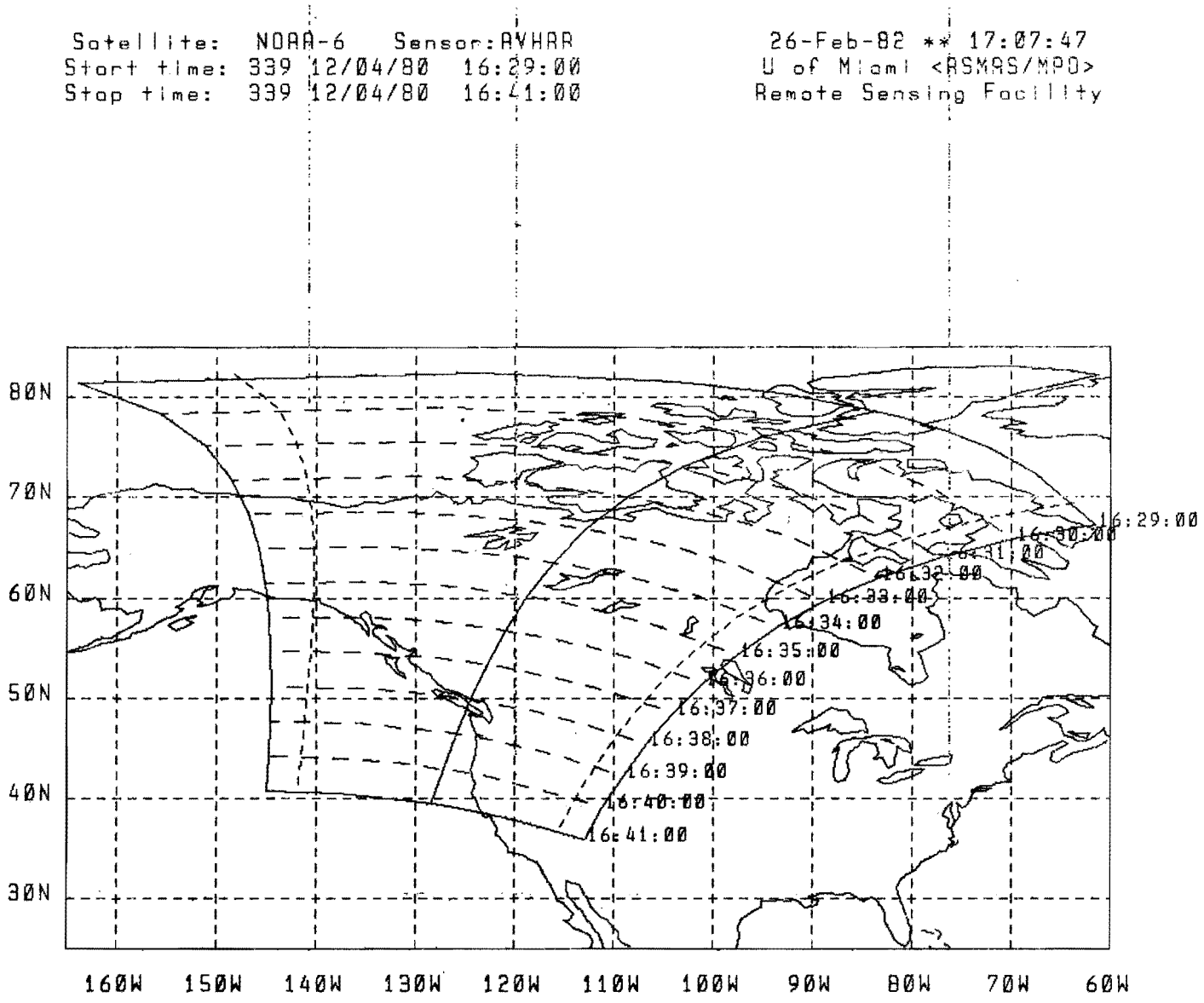
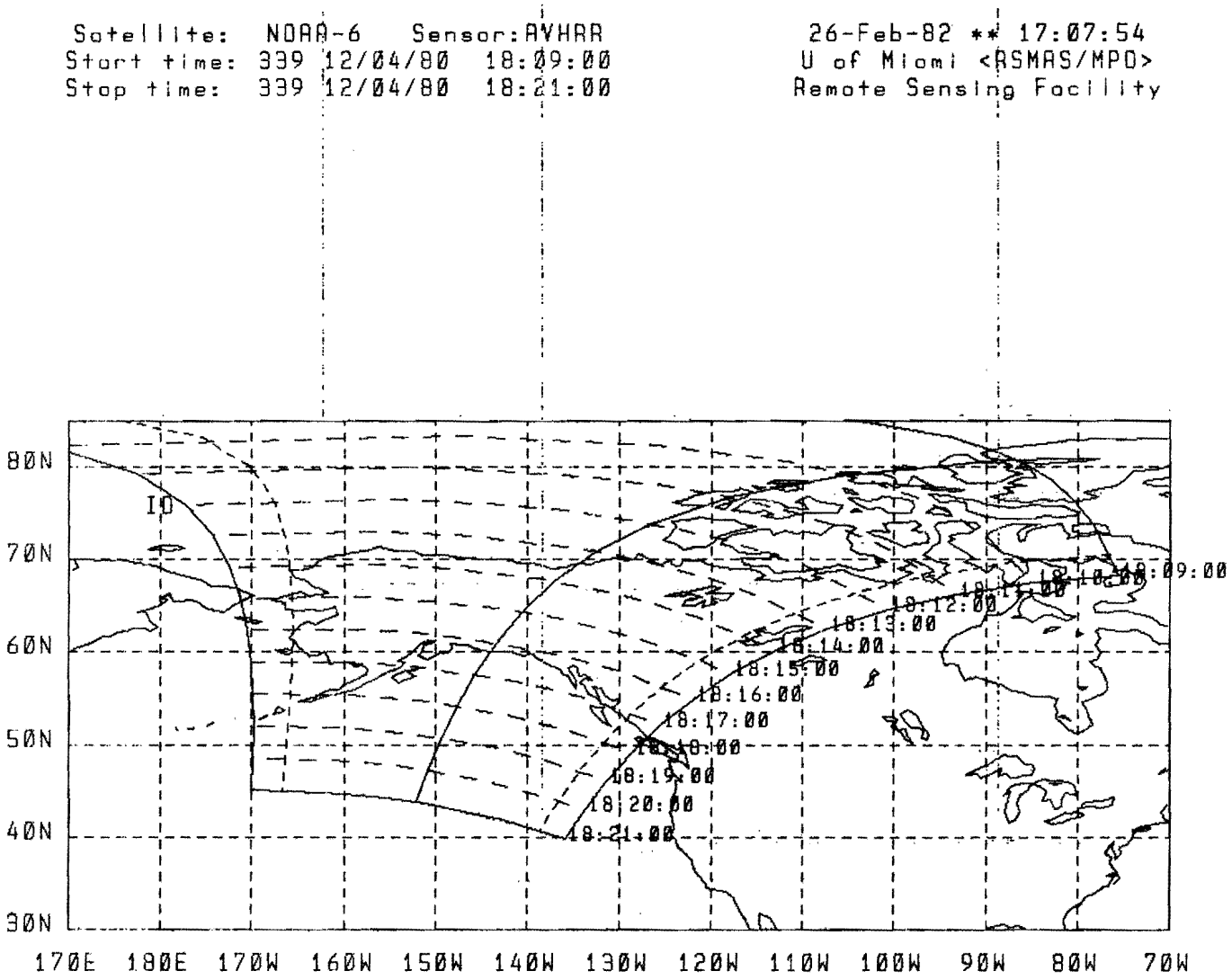
SDT: 803390430.N06



Archive tape: N33916

SOT: 803391629.N06



Archive tape: N33918

SDT: 803391809.N06

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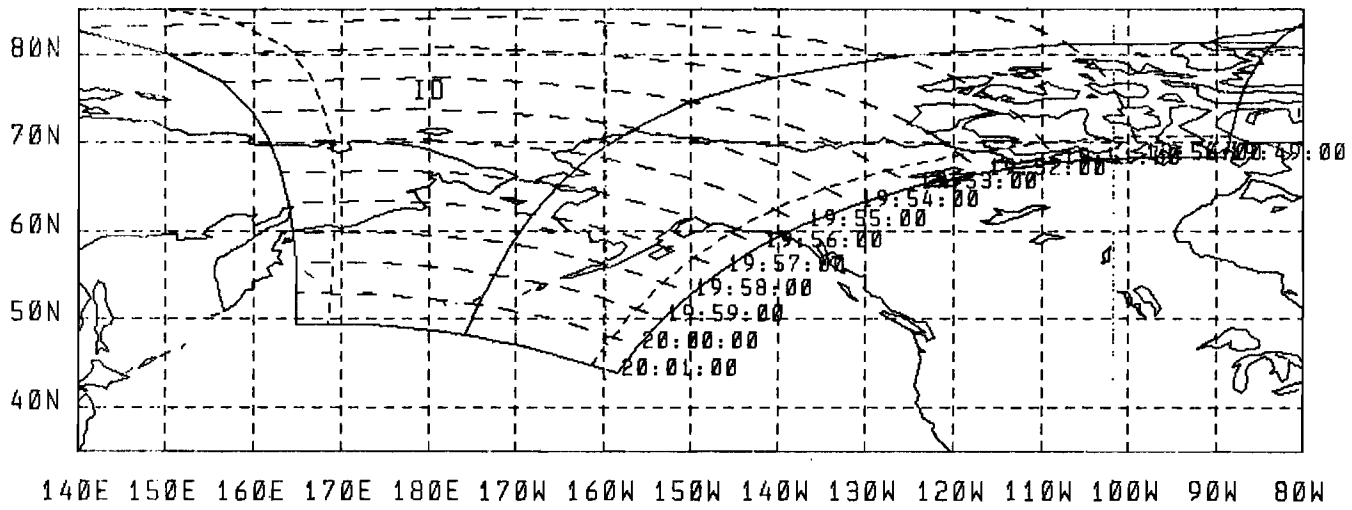
26-Feb-82 ** 17:08:05
U of Miami <RSMAS/MPO>
Remote Sensing Facility



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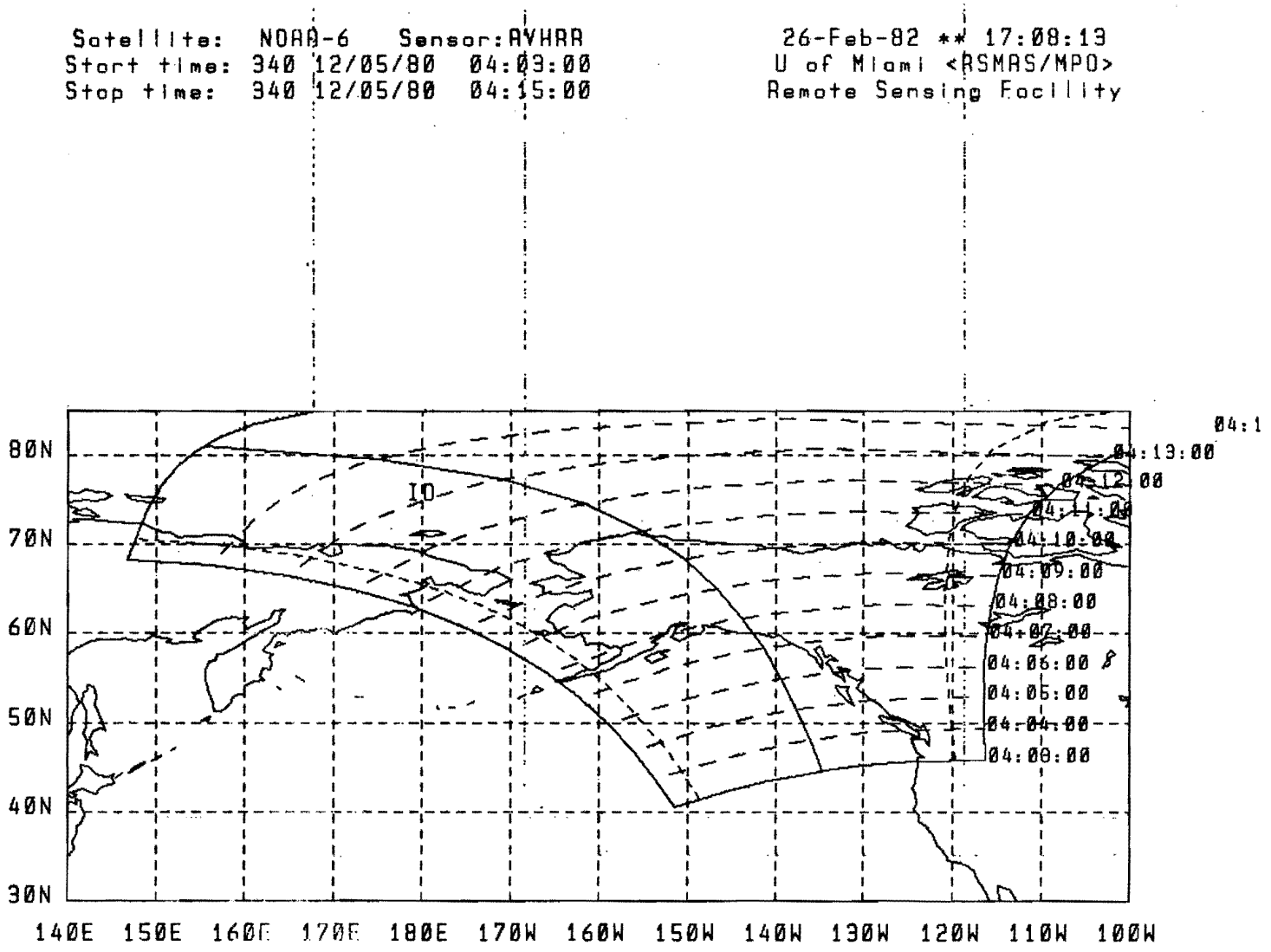
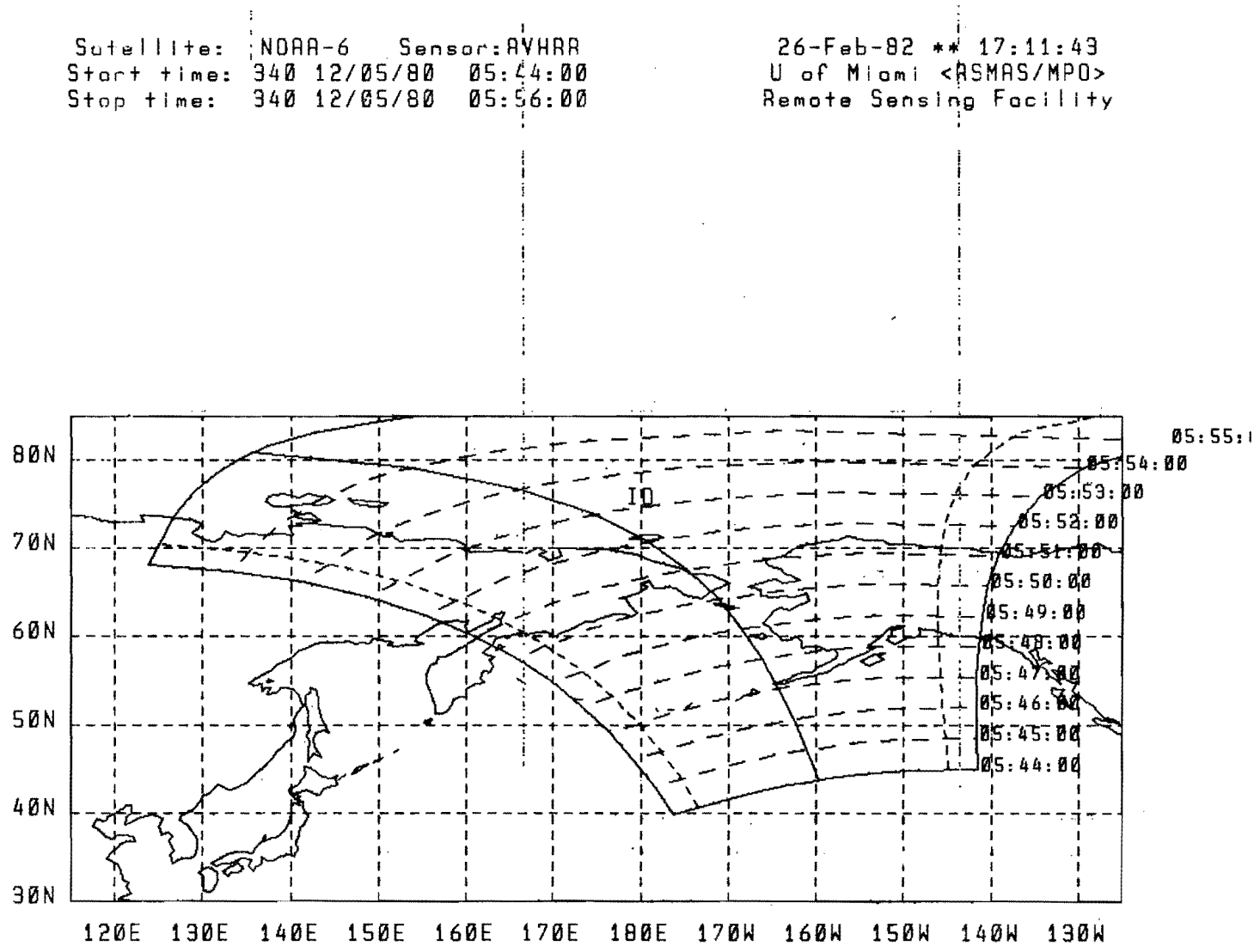
SDT: 803391949.N06



Archive tape: N34004

SDT: 803400403.N06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Start time: 340 12/05/80 05:44:00
Stop time: 340 12/05/80 05:56:00
26-Feb-82 ** 17:11:43
U of Miami <RSMAS/MPO>
Remote Sensing Facility
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120E 130E 140E 150E 160E 170E 180E 170W 160W 150W 140W 130W
05:55:1
05:54:00
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05:44:00
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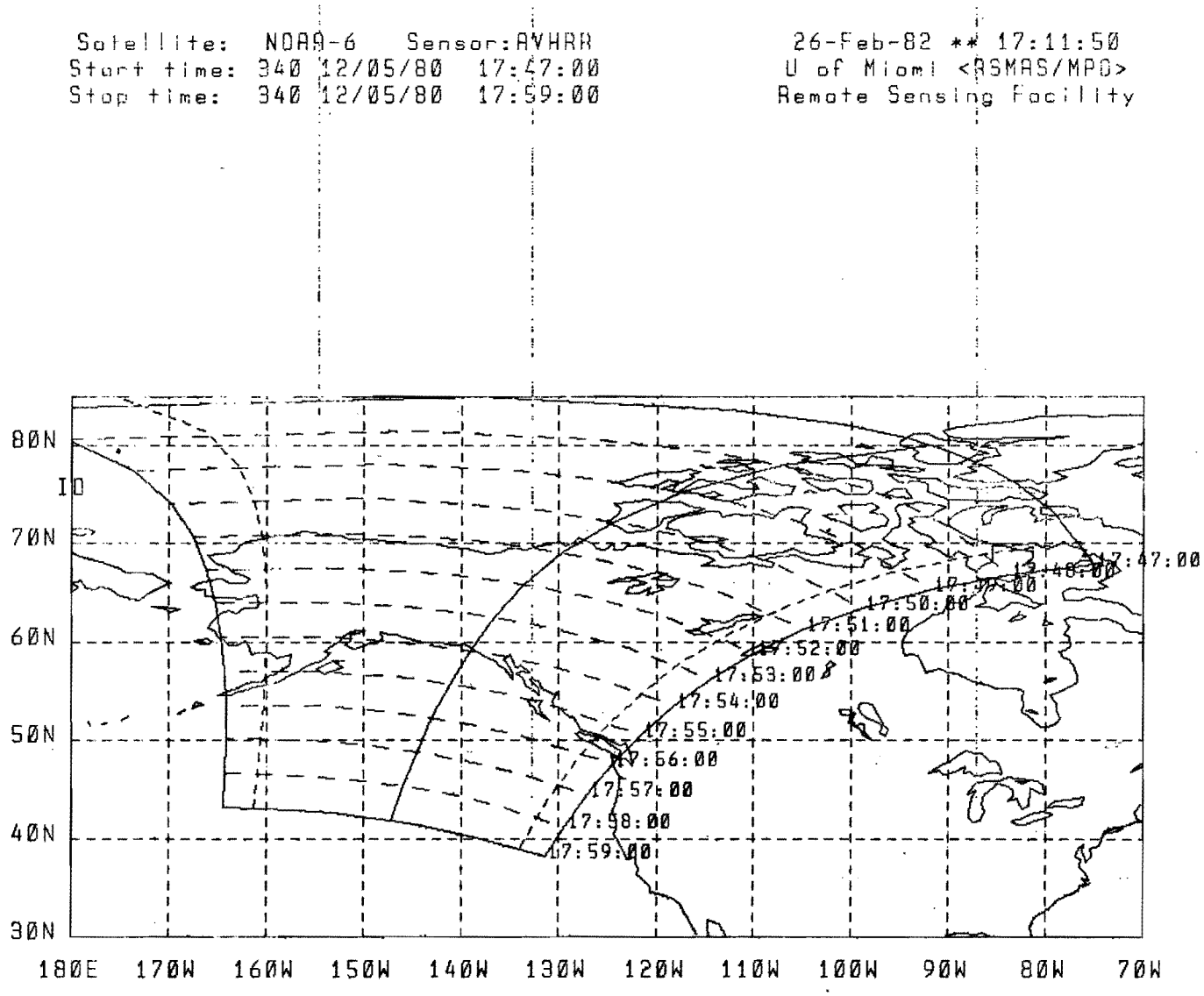
SDT: 803400544.N06



Archive tape: N34017

SDT: 803401747.N06

Satellite: NOAA-6 Sensor:AVHRR
Start time: 340 12/05/80 19:27:00
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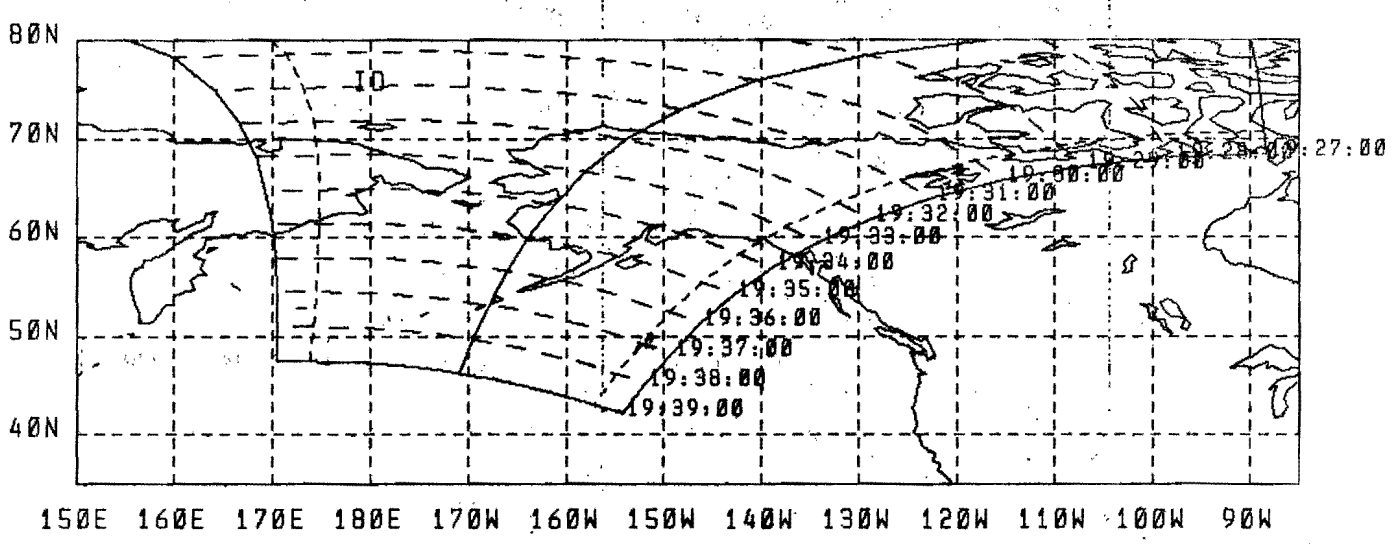
26-Feb-82 ** 17:11:56
U of Miami <RSMAS/MPO>
Remote Sensing Facility



Archive tape: N34019

SDT: 803401927.N06

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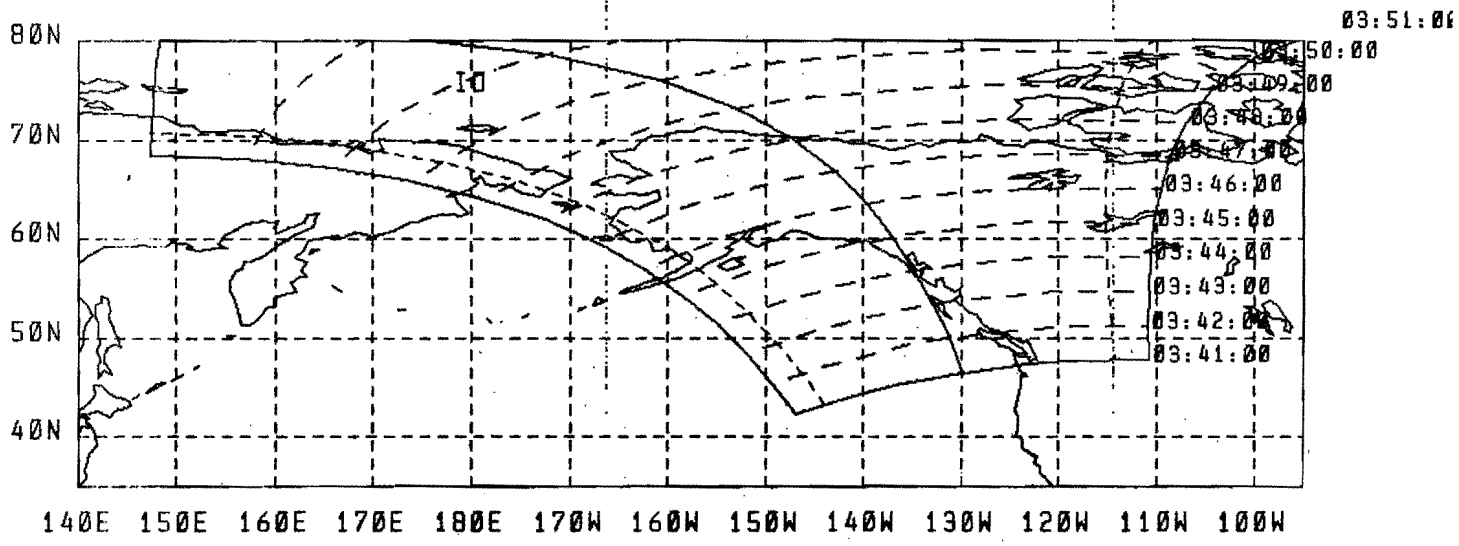
26-Feb-82 ** 17:12:02
U of Miami <RSMAS/MPO>
Remote Sensing Facility



Archive tape: N34103

SDT: 803410341.N06

Satellite: NOAA-6 Sensor:AVHRR
Start time: 341 12/06/80 05:22:00
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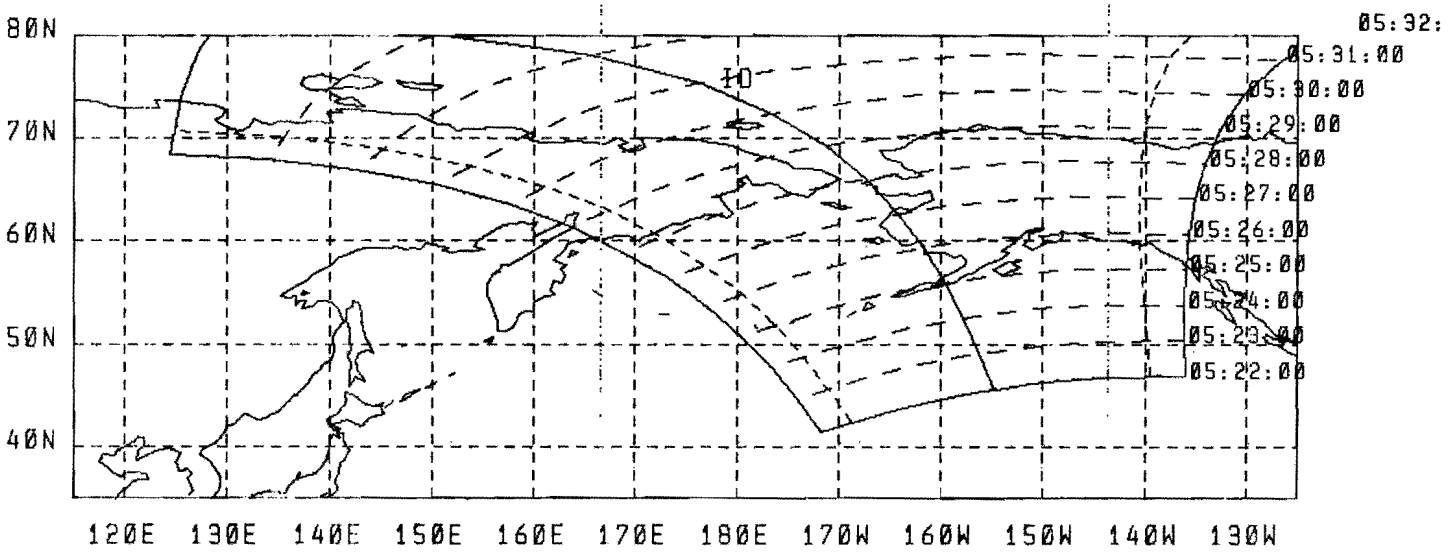
26-Feb-82 ** 17:12:09
U of Miami <RSMAS/MPO>
Remote Sensing Facility



Archive tape: N34105

SDT: 803410522.N06

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Start time: 341 12/06/80 17:24:00
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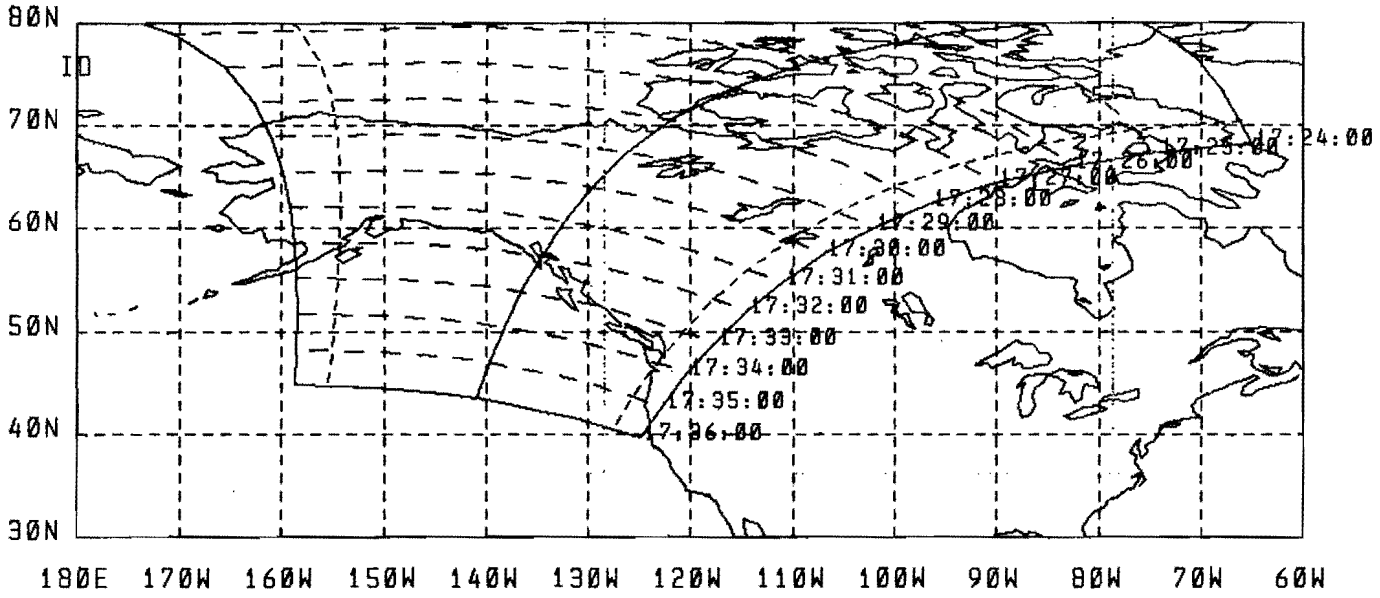
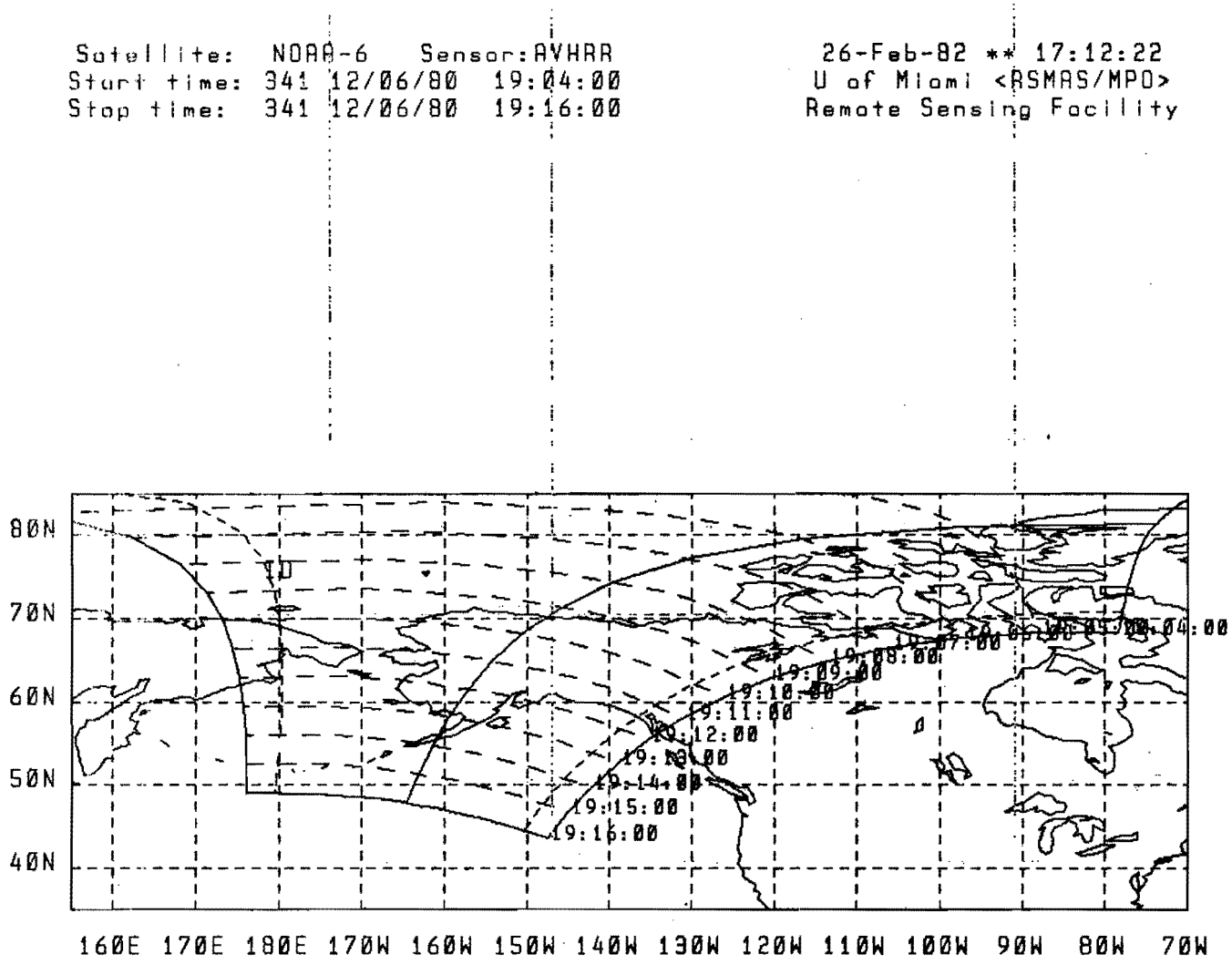
26-Feb-82 ** 17:12:15
U of Miami <RSMAS/MPO>
Remote Sensing Facility



Archive tape: N34117

SDT: 803411724.N06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Stop time: 341 12/06/80 19:16:00
26-Feb-82 ** 17:12:22
U of Miami <RSMAS/MPO>
Remote Sensing Facility
80N
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40N
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19:08:00
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19:10:00
19:11:00
19:12:00
19:15:00
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SOT: 803411904.N06

Satellite: NOAA-6 Sensor:AVHRR
Start time: 342 12/07/80 03:19:00
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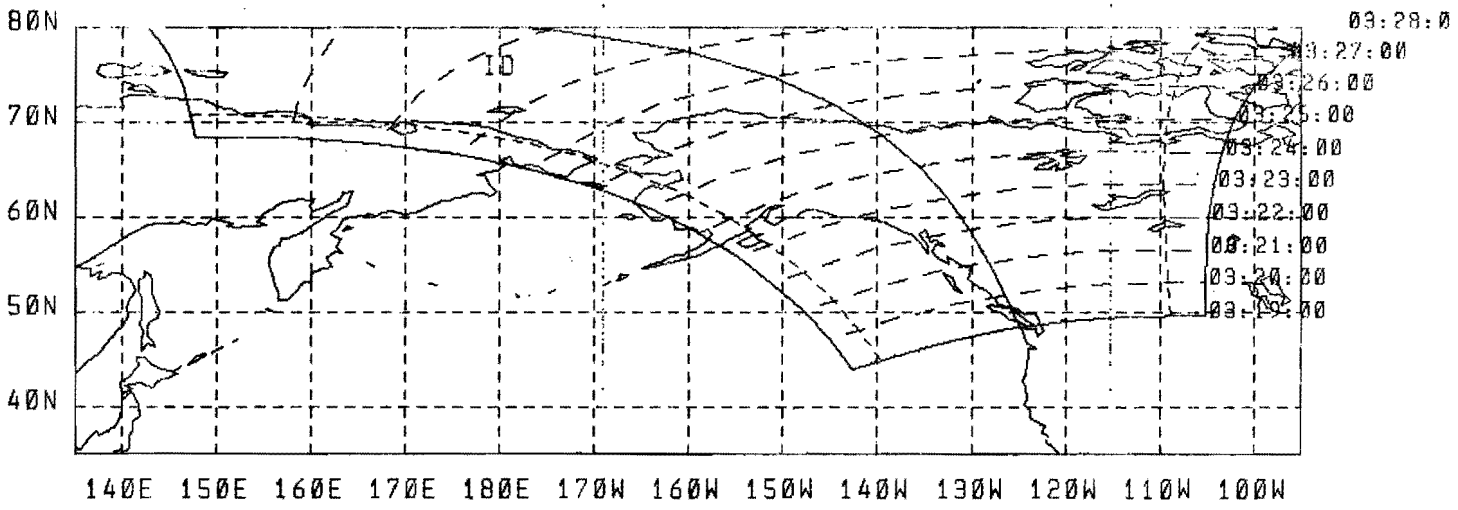
26-Feb-82 ** 17:12:29
U of Miami <RSMAS/MPO>
Remote Sensing Facility

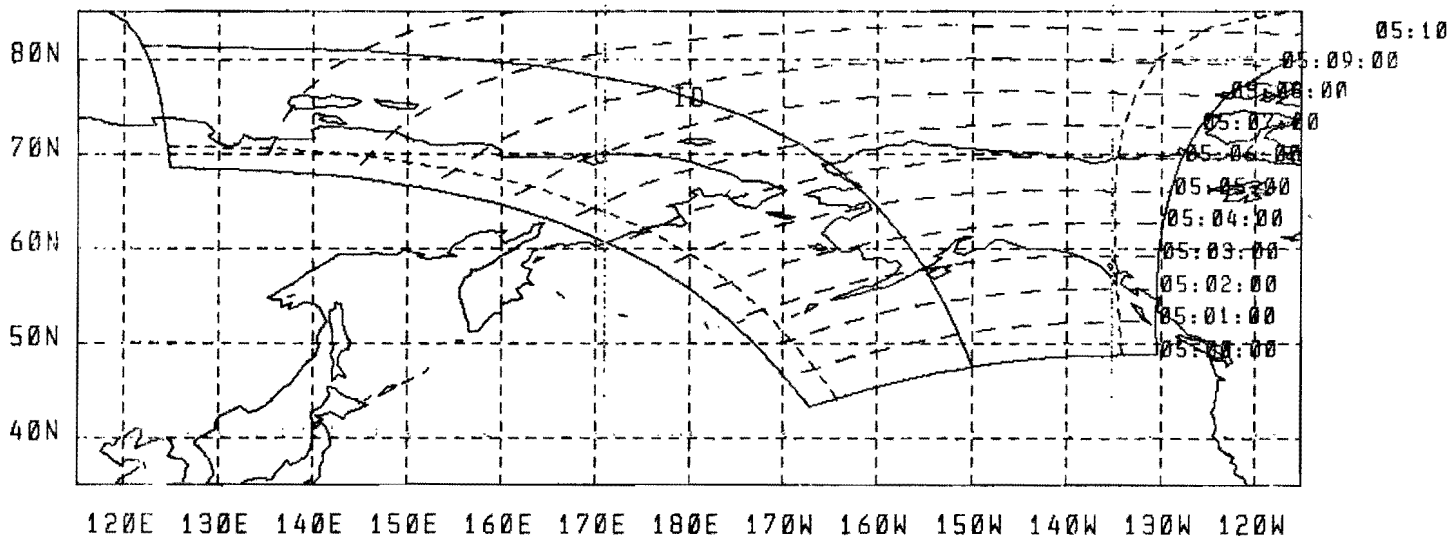


Archive tape: N34203

SDT: 803420319.N06

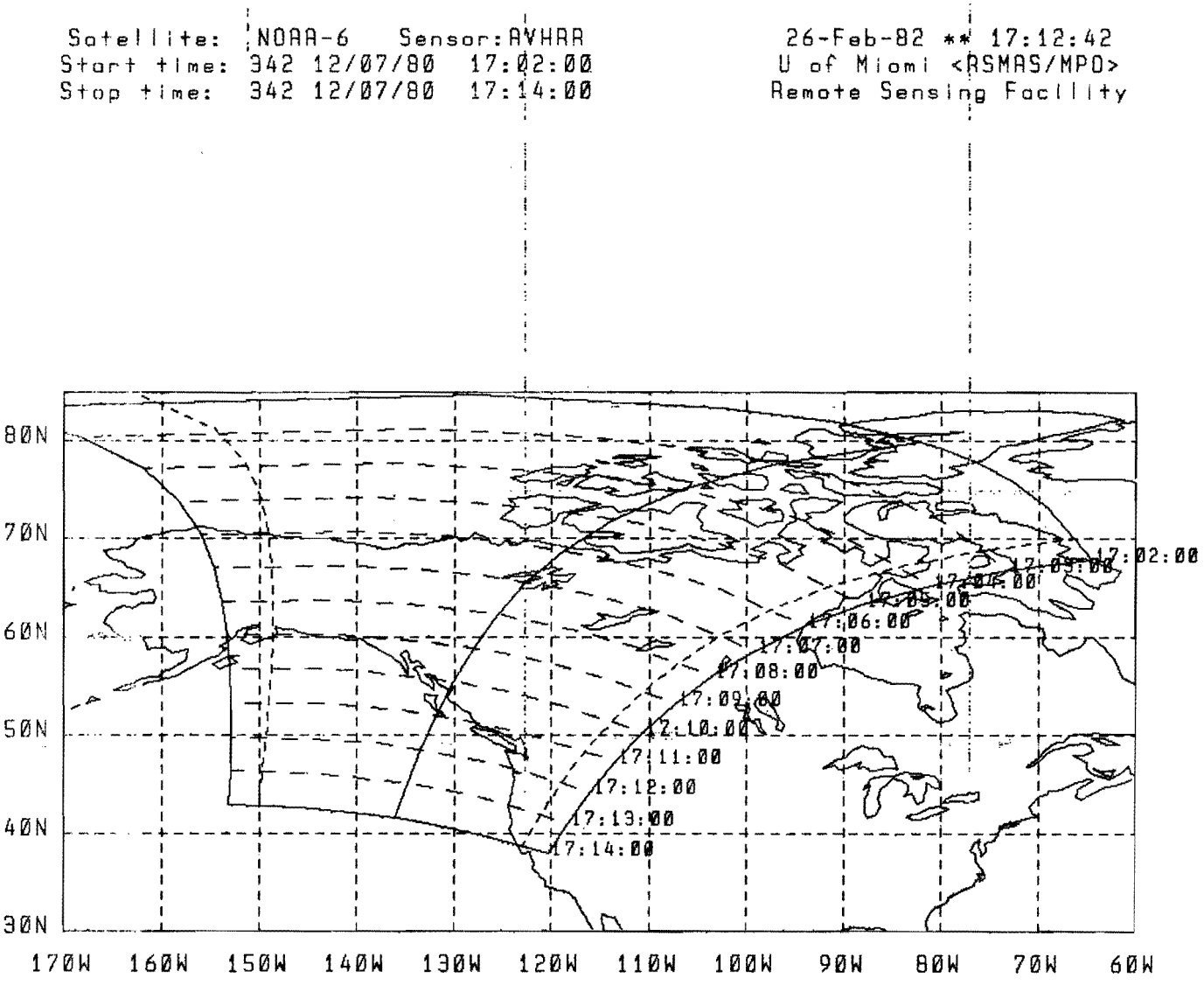
Satellite: NOAA-6 Sensor:AVHRR
Start time: 342 12/07/80 05:00:00
Stop time: 342 12/07/80 05:12:00

26-Feb-82 ** 17:12:35
U of Miami <RSMAS/MPO>
Remote Sensing Facility



Archive tape: N34205

SDT: 803420500.N06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Stop time: 342 12/07/80 17:14:00
26-Feb-82 ** 17:12:42
U of Miami <RSMAS/MPO>
Remote Sensing Facility
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160W
150W
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120W
110W
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90W
80W
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17:05:00
17:06:00
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17:10:00
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Archive tape: N34217
SDT: 803421702.N06

Satellite: NOAA-6 Sensor:AVHRR
Start time: 342 12/07/80 18:42:00
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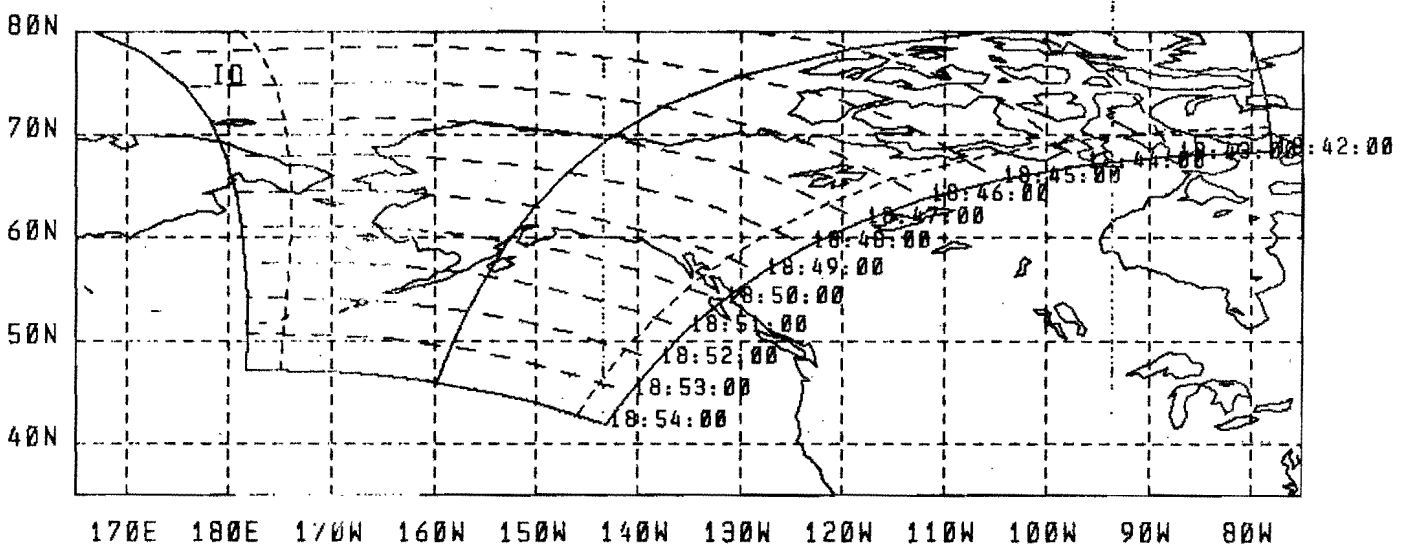
26-Feb-82 ** 17:12:48
U of Miami <RSMAS/MPO>
Remote Sensing Facility



Archive tape: N34218

SOT: 803421842.N06

Satellite: NOAA-6 Sensor:AVHRR
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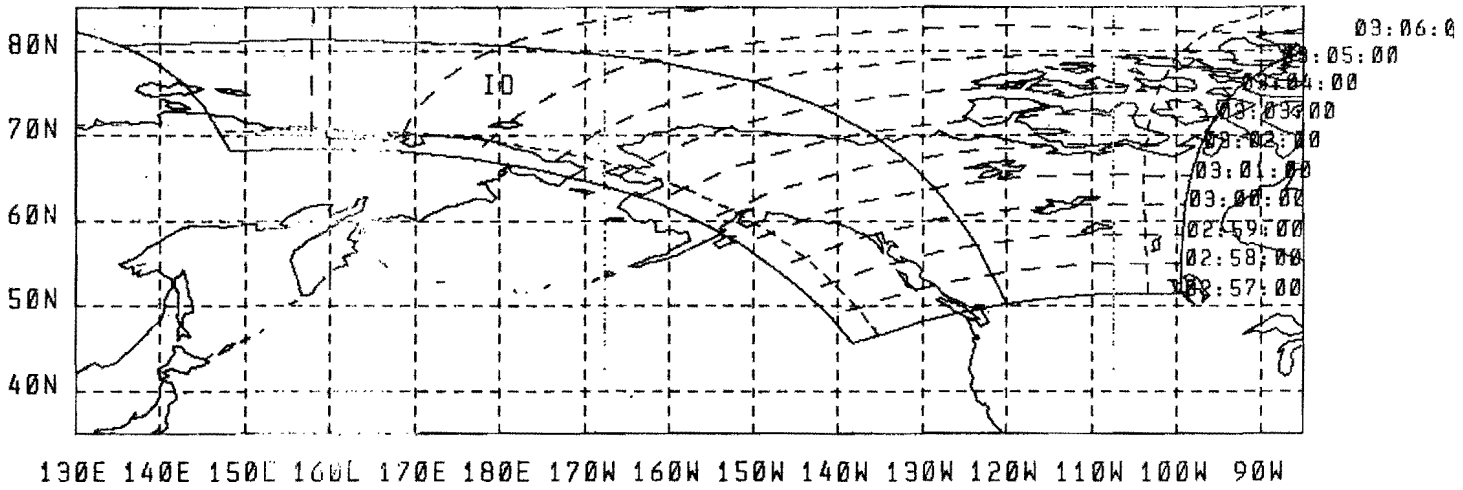
26-Feb-82 ** 17:13:00
U of Miami <RSMAS/MPO>
Remote Sensing Facility



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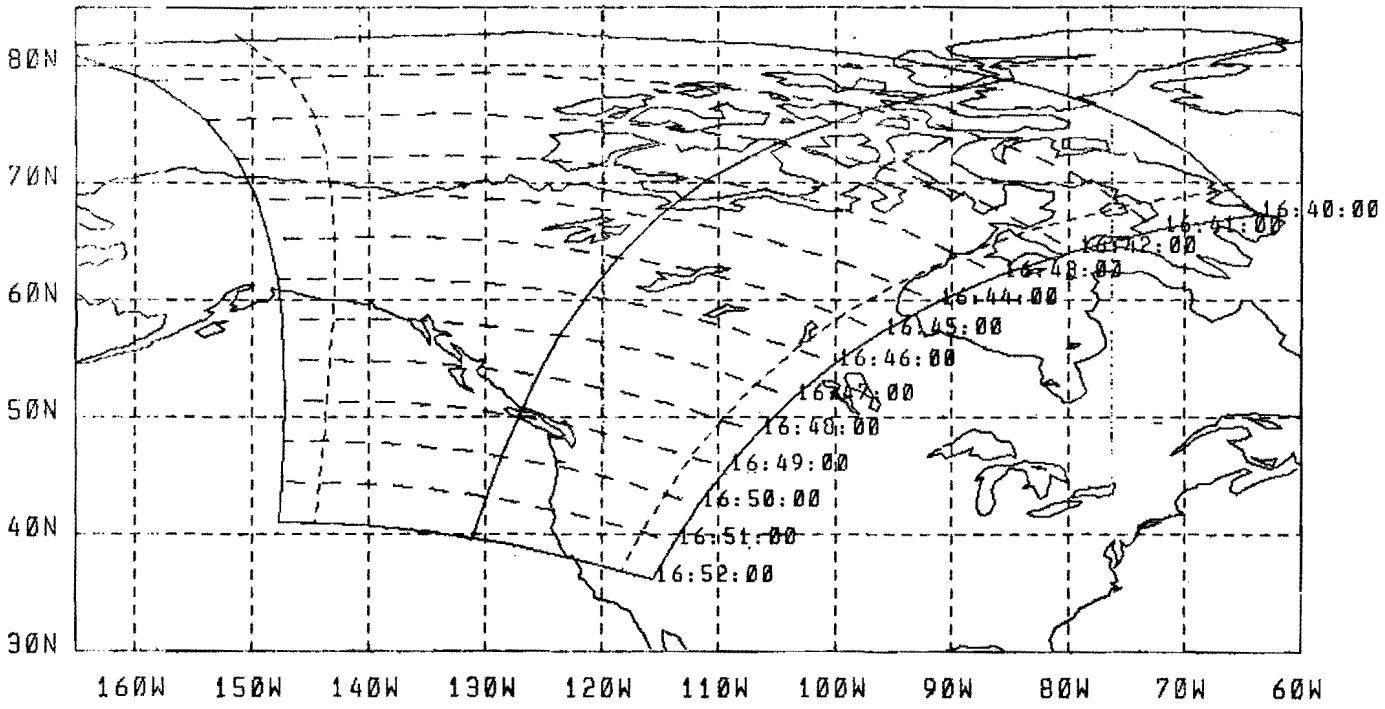
26-Feb-82 ** 17:13:07
U of Miami <RSMAS/MPO>
Remote Sensing Facility



Archive tape: N34316

SDT: 803431640.N06

Satellite: NOAA-6 Sensor:AVHRR
Start time: 343 12/08/80 18:20:00
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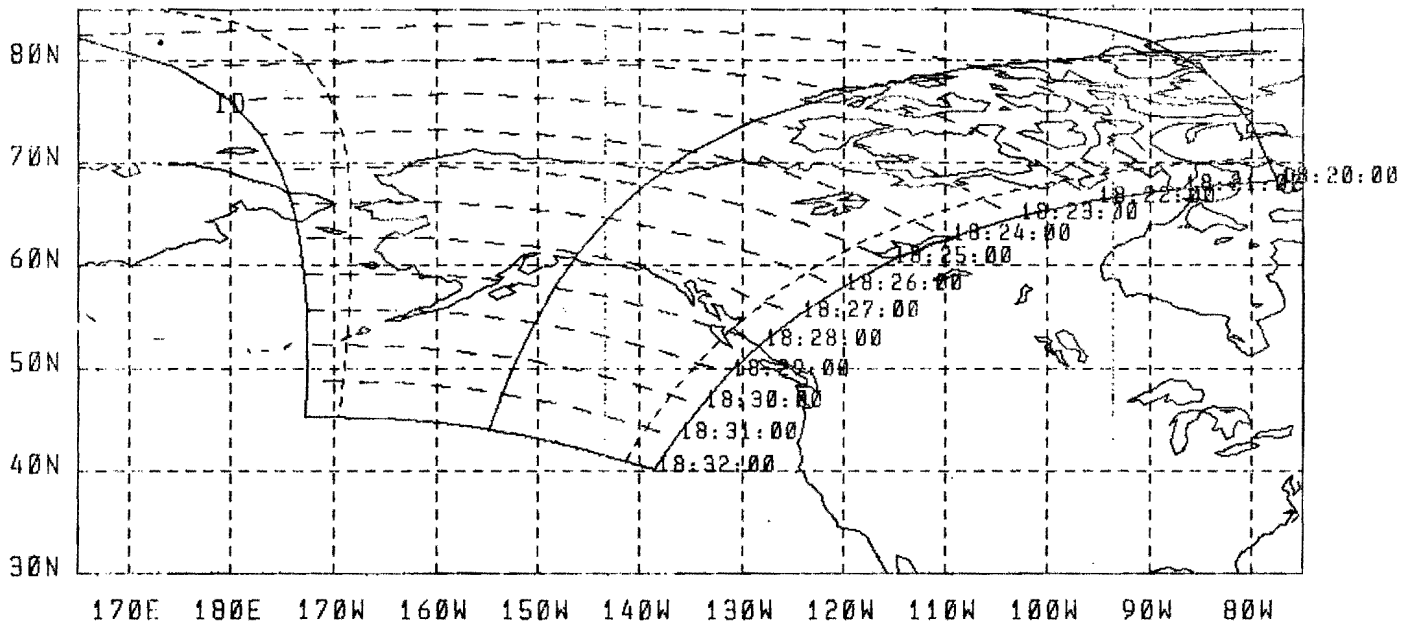
26-Feb-82 ** 17:13:13
U of Miami <RSMAS/MPO>
Remote Sensing Facility



Archive tape: N34318

SDT: 803431820.N06

Satellite: NOAA-6 Sensor:AVHRR
Start time: 344 12/09/80 04:14:00
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26-Feb-82 ** 17:13:20
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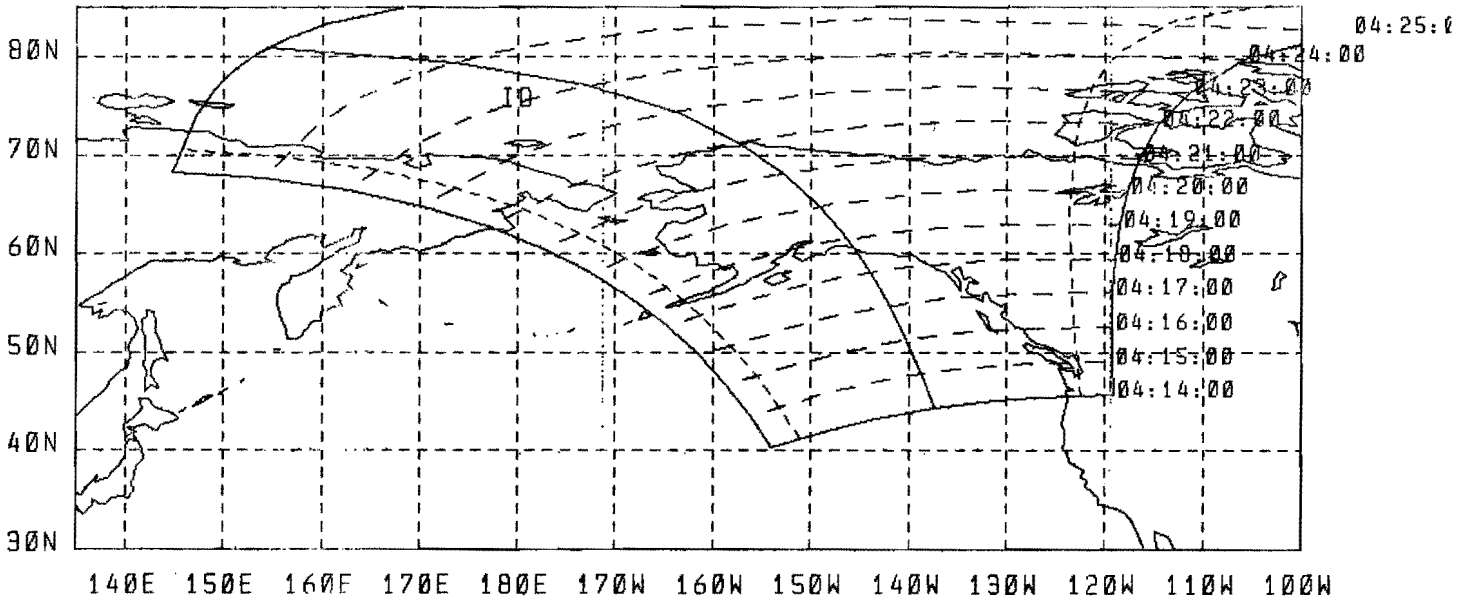
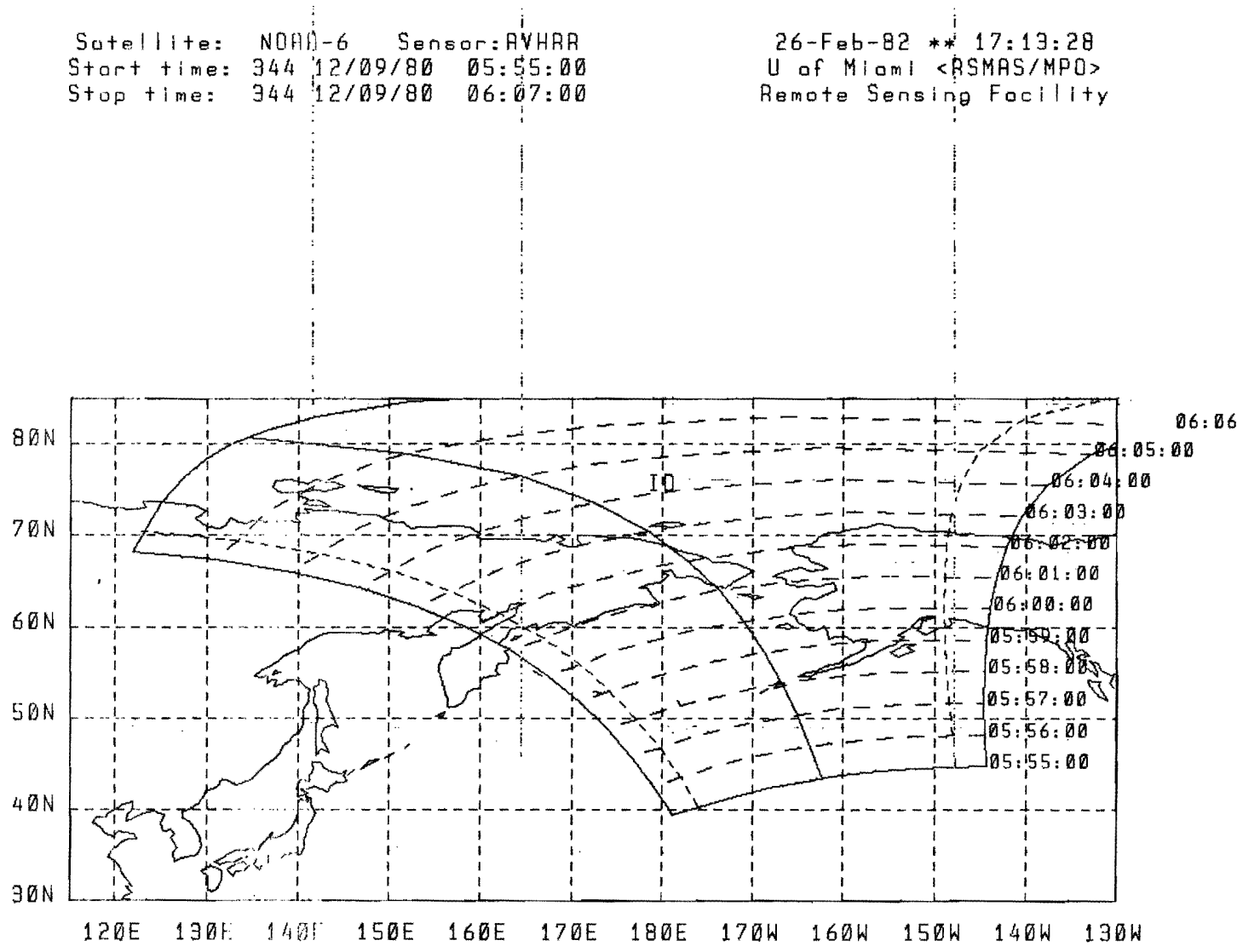
Remote Sensing Facility



Archive tape: N34404

SDT: 803440414.N06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Stop time: 344 12/09/80 06:07:00
26-Feb-82 ** 17:13:28
U of Miami <RSMAS/MPO>
Remote Sensing Facility
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130E
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170E
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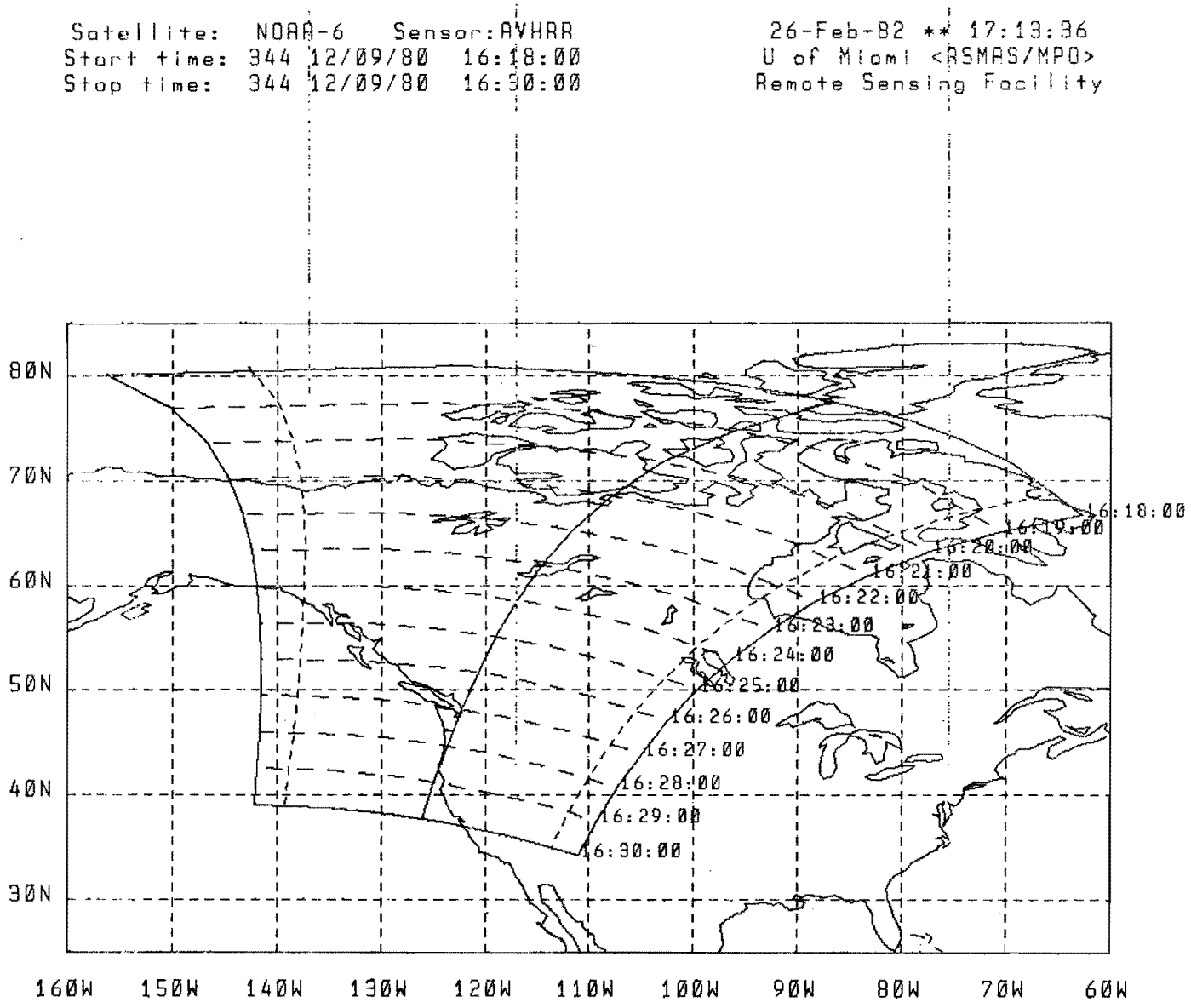
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Start time: 344 12/09/80 16:18:00
Stop time: 344 12/09/80 16:30:00
26-Feb-82 ** 17:13:36
U of Miami <RSMAS/MPO>
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Archive tape: N34416
SDT: 803441618.N06

Satellite: NOAA-6 Sensor:AVHRR
Start time: 344 12/09/80 17:57:00
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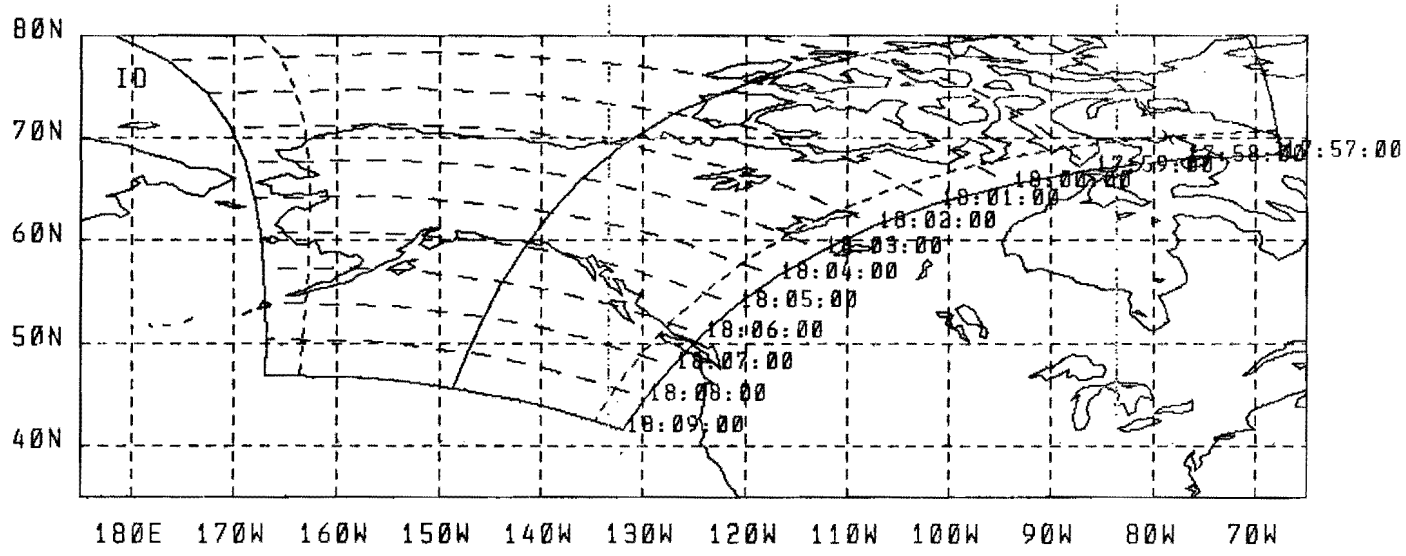
26-Feb-82 ** 17:13:43
U of Miami <RSMAS/MPO>
Remote Sensing Facility



Archive tape: N34417

SDT: 803441757.N06

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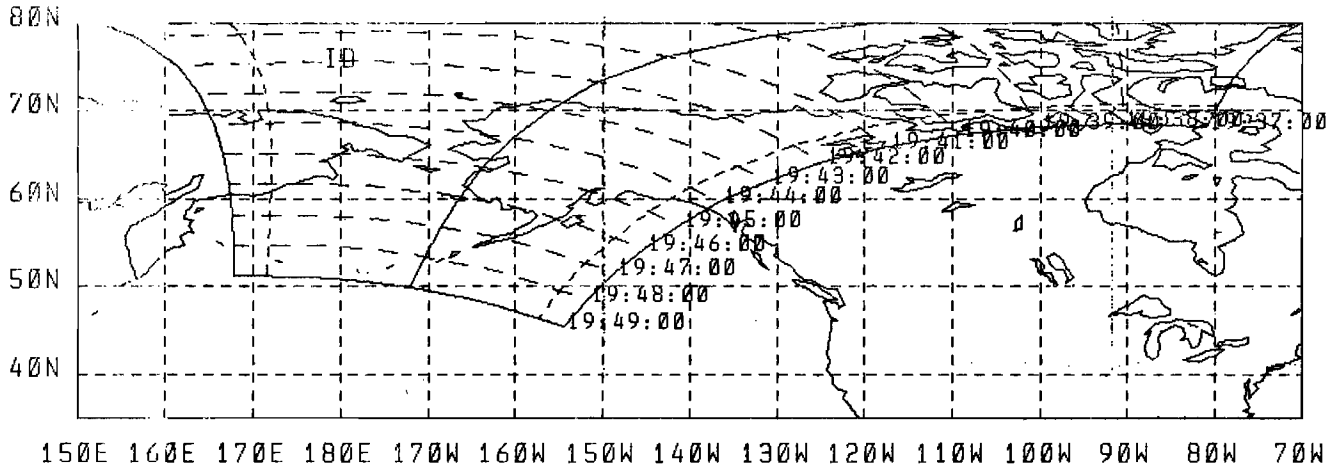
26-Feb-82 ** 17:13:50
U of Miami <RSMAS/MPO>
Remote Sensing Facility



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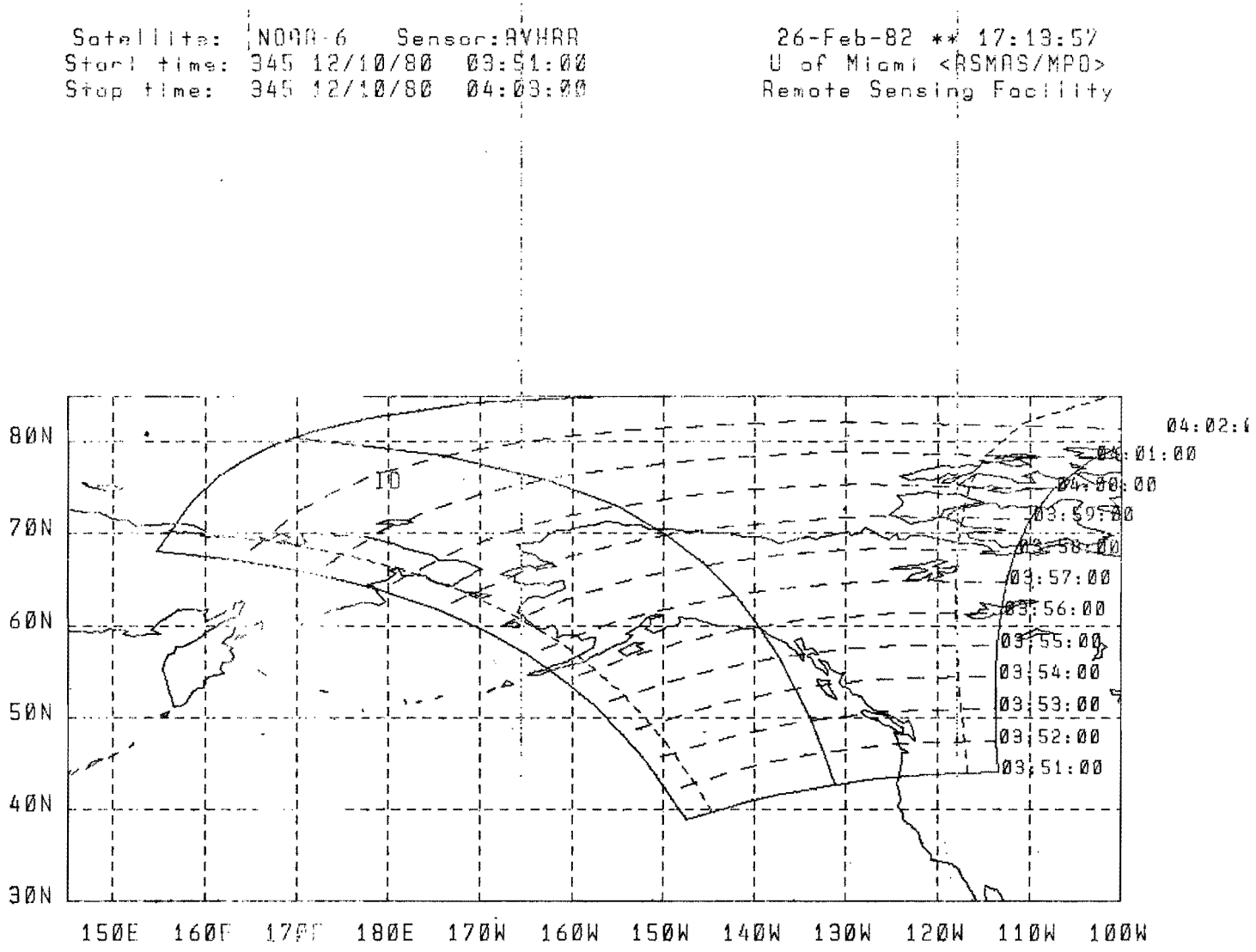
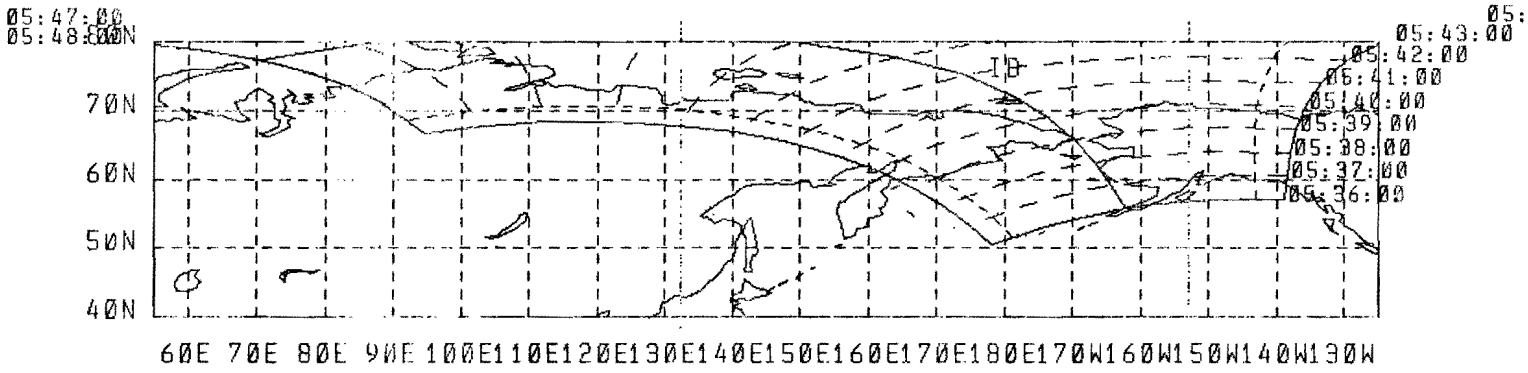


Archive tape: N34503

SDT: 803450351.NO6

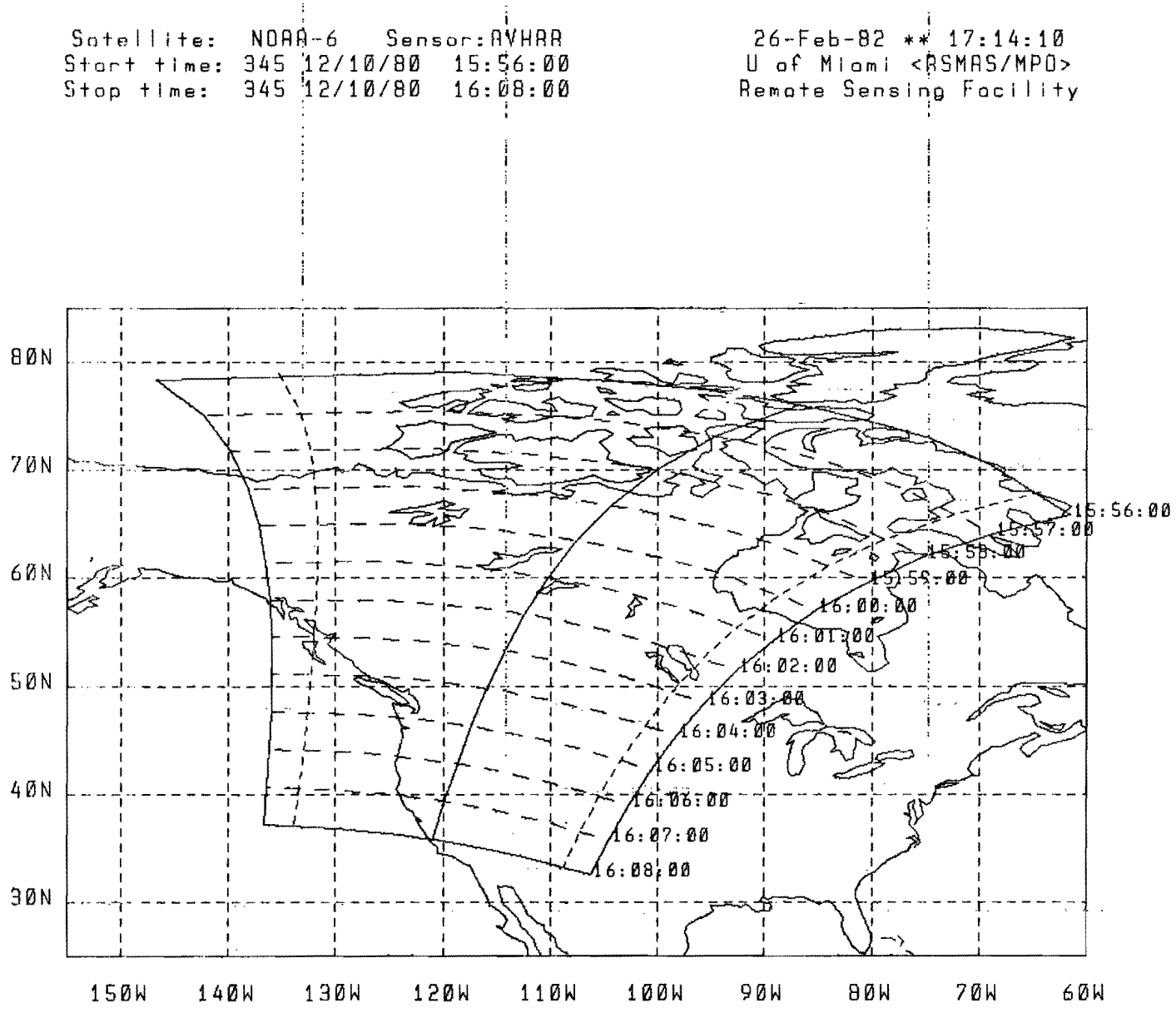
Satellite: NOAA-6 Sensor:AVHRR
Start time: 345 12/10/80 05:36:00
Stop time: 345 12/10/80 05:48:00

26-Feb-82 ** 17:14:03
U of Miami <RSMAS/MPO>
Remote Sensing Facility



Archive tape: N34505

SDT: 803450536.N06

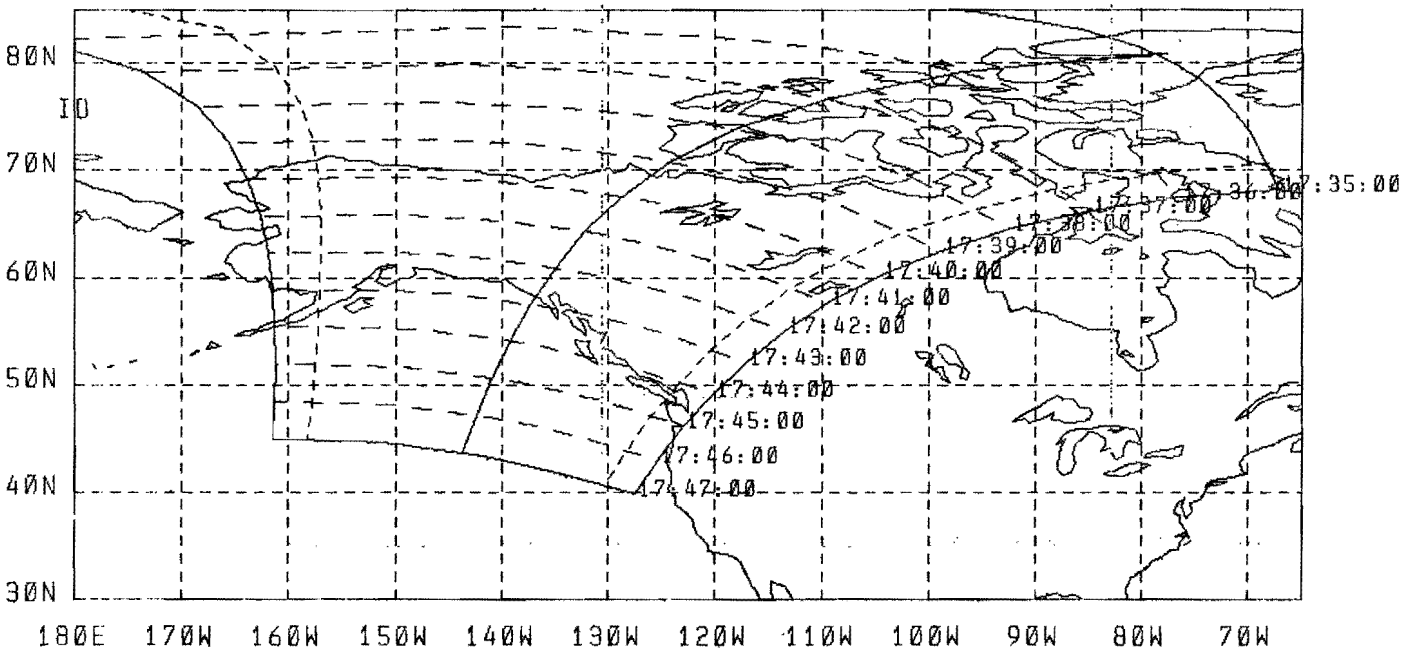


Archive tape: N34515

SDT: 803451556.N06

Satellite: NOAA-6 Sensor:AVHRR
Start time: 345 12/10/80 17:35:00
Stop time: 345 12/10/80 17:47:00

26-Feb-82 ** 17:14:17
U of Miami <RSMAS/MPO>
Remote Sensing Facility

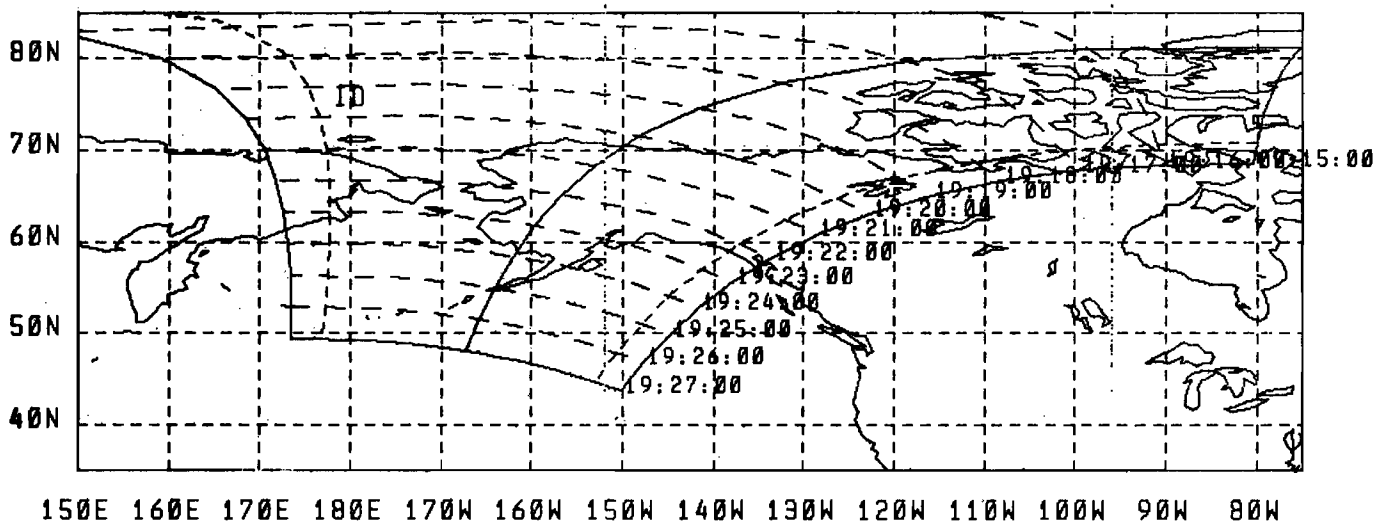


Archive tape: N34517

SDT: 803451735.N06

Satellite: NOAA-6 Sensor:AVHRR
Start time: 345 12/10/80 19:15:00
Stop time: 345 12/10/80 19:27:00

26-Feb-82 ** 17:14:23
U of Miami <RSMAS/MPO>
Remote Sensing Facility

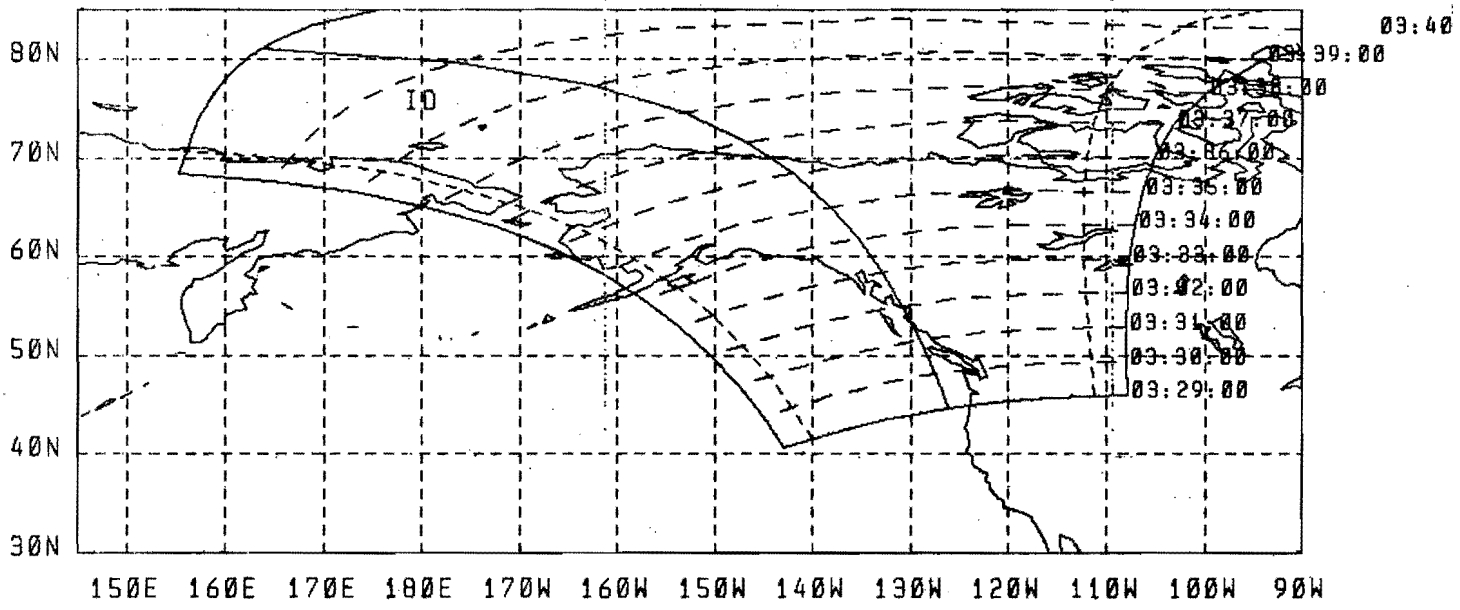


Archive tape: N34519

SDT: 803451915.N06

Satellite: NOAA-6 Sensor:AVHRR
Start time: 346 12/11/80 03:29:00
Stop time: 346 12/11/80 03:41:00

26-Feb-82 ** 17:14:30
U of Miami <RSMAS/MPO>
Remote Sensing Facility

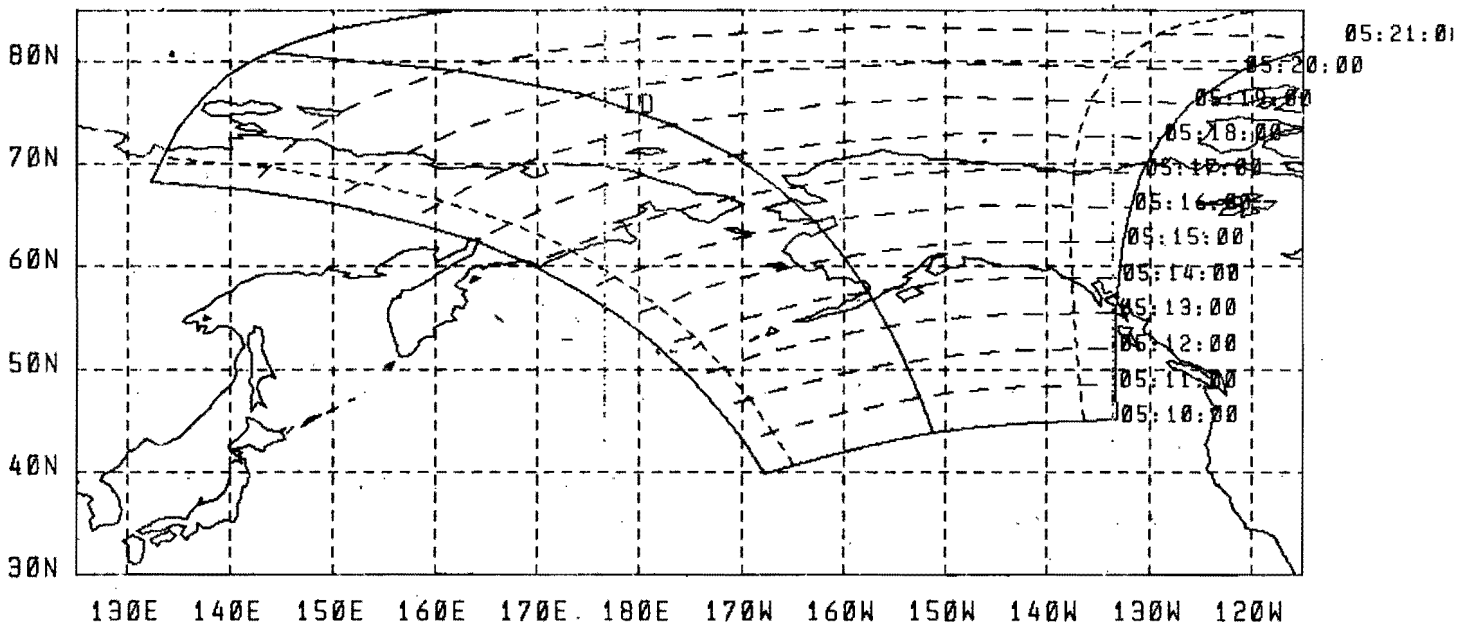


Archive tape: N34603

SDT: 803460329.ND6

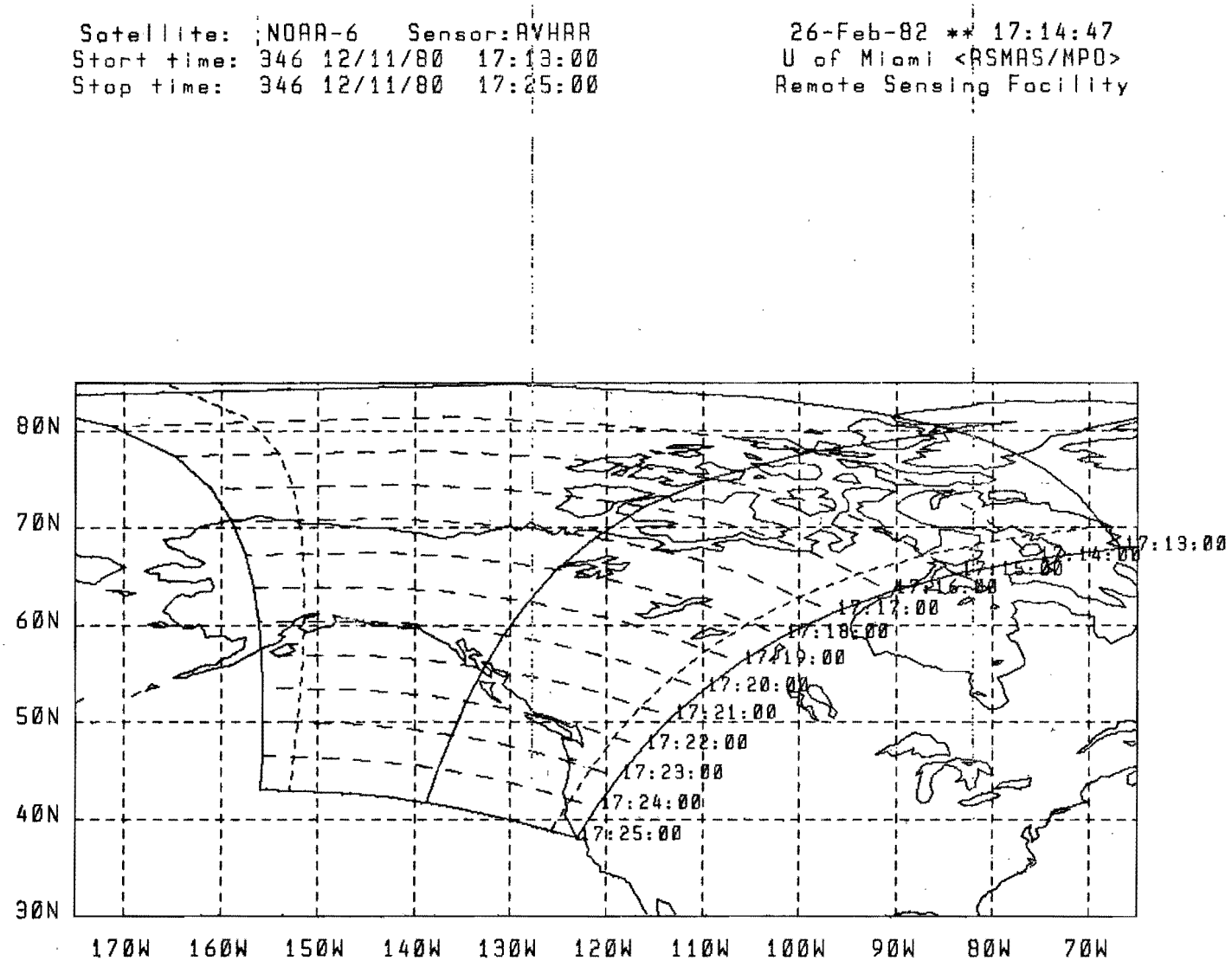
Satellite: NOAA-6 Sensor:AVHRR
Start time: 346 12/11/80 05:10:00
Stop time: 346 12/11/80 05:22:00

26-Feb-82 ** 17:14:40
U of Miami <RSMAS/MPO>
Remote Sensing Facility



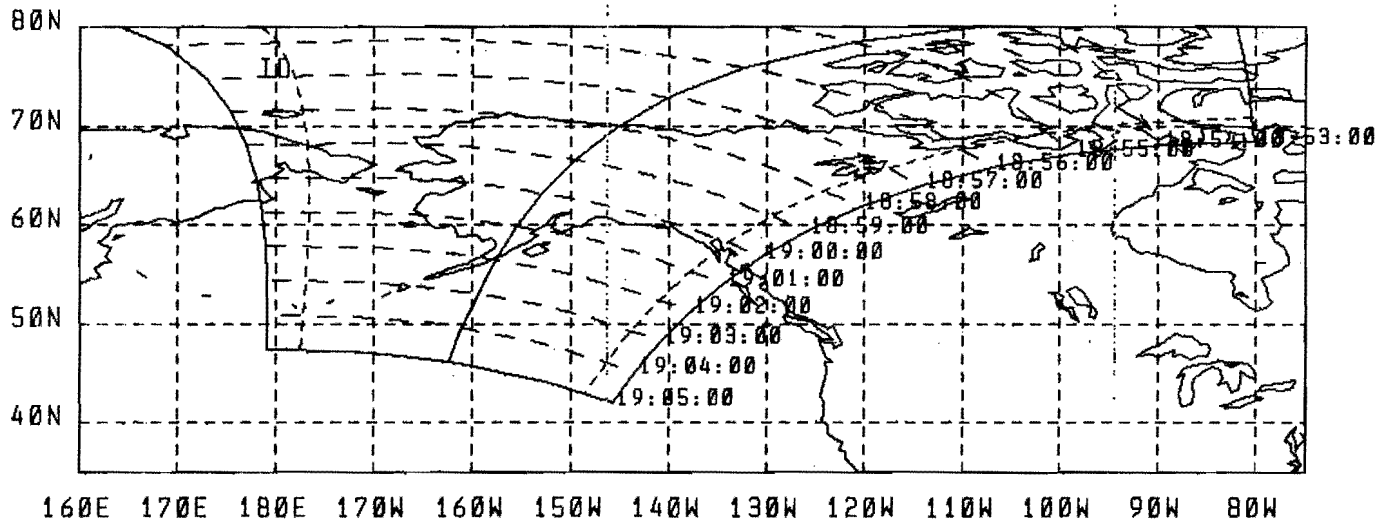
Archive tape: N34605

SDT: 803460510.N06


Satellite: NOAA-6 Sensor:AVHRR
Start time: 346 12/11/80 17:13:00
Stop time: 346 12/11/80 17:25:00
26-Feb-82 ** 17:14:47
U of Miami <RSMAS/MPO>
Remote Sensing Facility
80N
70N
60N
50N
40N
30N
170W
160W
150W
140W
130W
120W
110W
100W
90W
80W
70W
17:13:00
17:14:00
17:15:00
17:16:00
17:17:00
17:18:00
17:19:00
17:20:00
17:21:00
17:22:00
17:23:00
17:24:00
17:25:00
Archive tape: N34617
SDT: 803461713.N06

Satellite: NOAA-6 Sensor:AVHRR
Start time: 346 12/11/80 18:53:00
Stop time: 346 12/11/80 19:05:00

26-Feb-82 ** 17:14:56
U of Miami <RSMAS/MPO>
Remote Sensing Facility

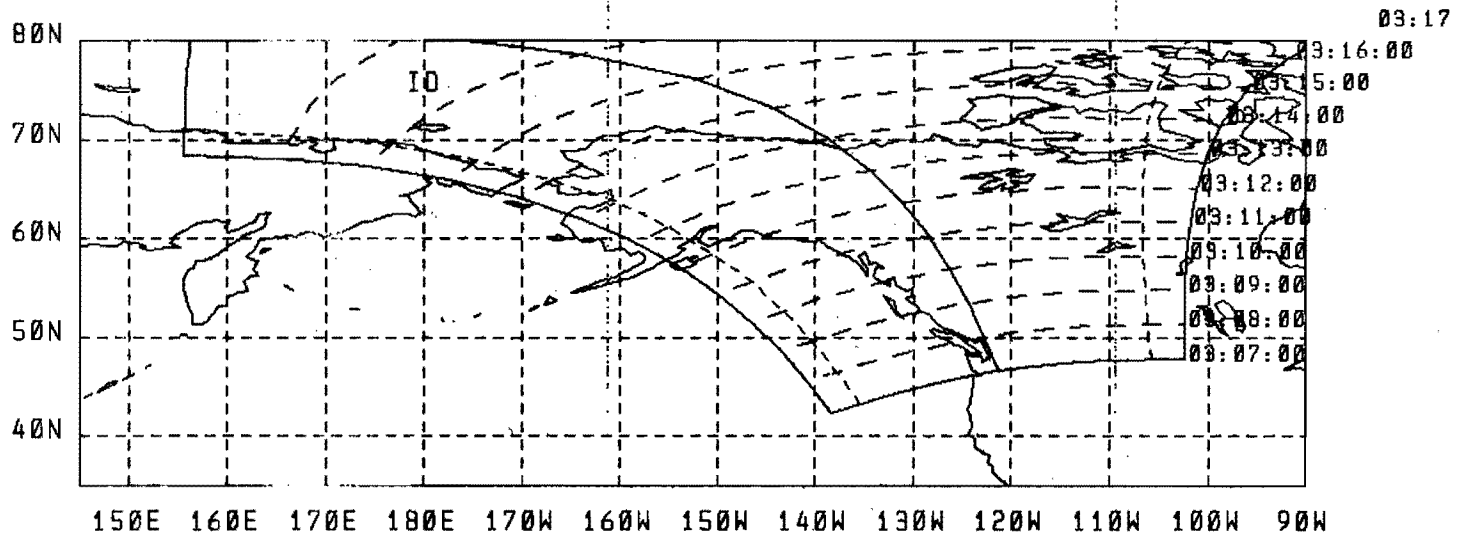


Archive tape: N34618

SDT: 803461853.N06

Satellite: NOAA-6 Sensor:AVHRR
Start time: 347 12/12/80 03:07:00
Stop time: 347 12/12/80 03:19:00

26-Feb-82 ** 17:15:04
U of Miami <RSMAS/MPO>
Remote Sensing Facility

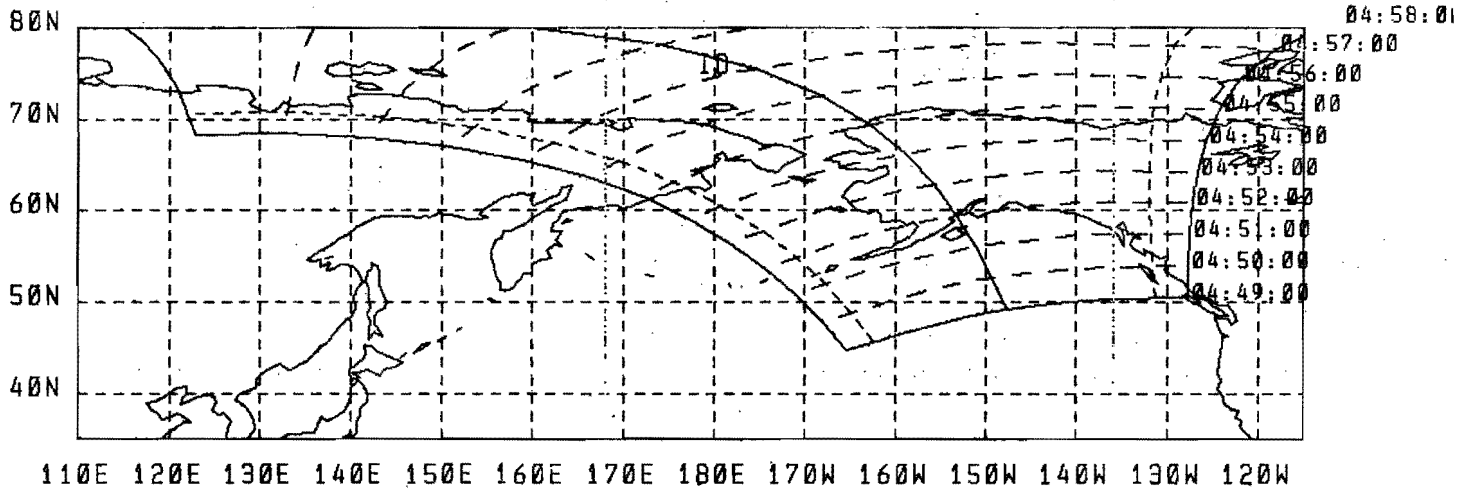


Archive tape: N34703

SDT: 803470307.N06

Satellite: NOAA-6 Sensor:AVHRR
Start time: 347 12/12/80 04:49:00
Stop time: 347 12/12/80 05:01:00

26-Feb-82 ** 17:15:12
U of Miami <RSMAS/MPD>
Remote Sensing Facility

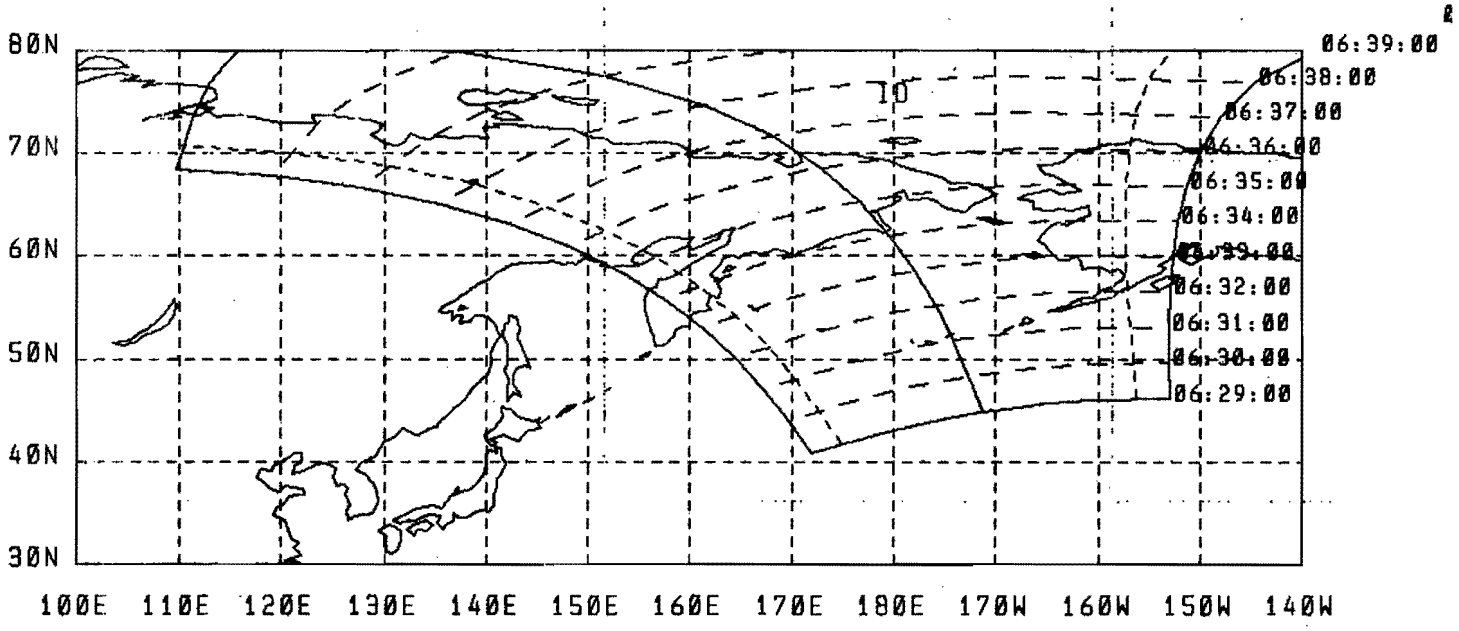


Archive tape: N34704

SDT: 803470449.N06

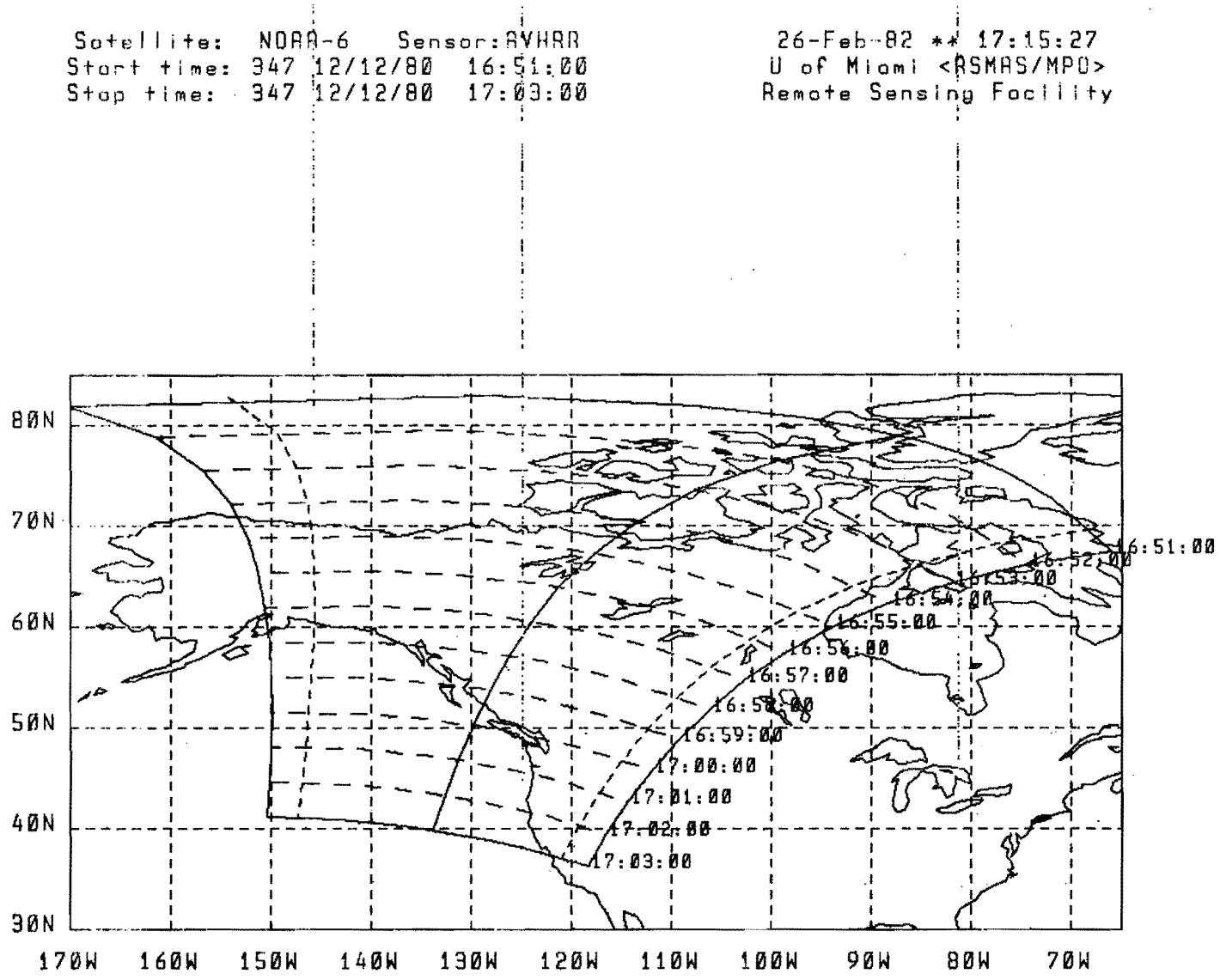
Satellite: NOAA-6 Sensor:AVHRR
Start time: 347 12/12/80 06:29:00
Stop time: 347 12/12/80 06:41:00

26-Feb-82 ** 17:15:20
U of Miami <RSMAS/MPO>
Remote Sensing Facility



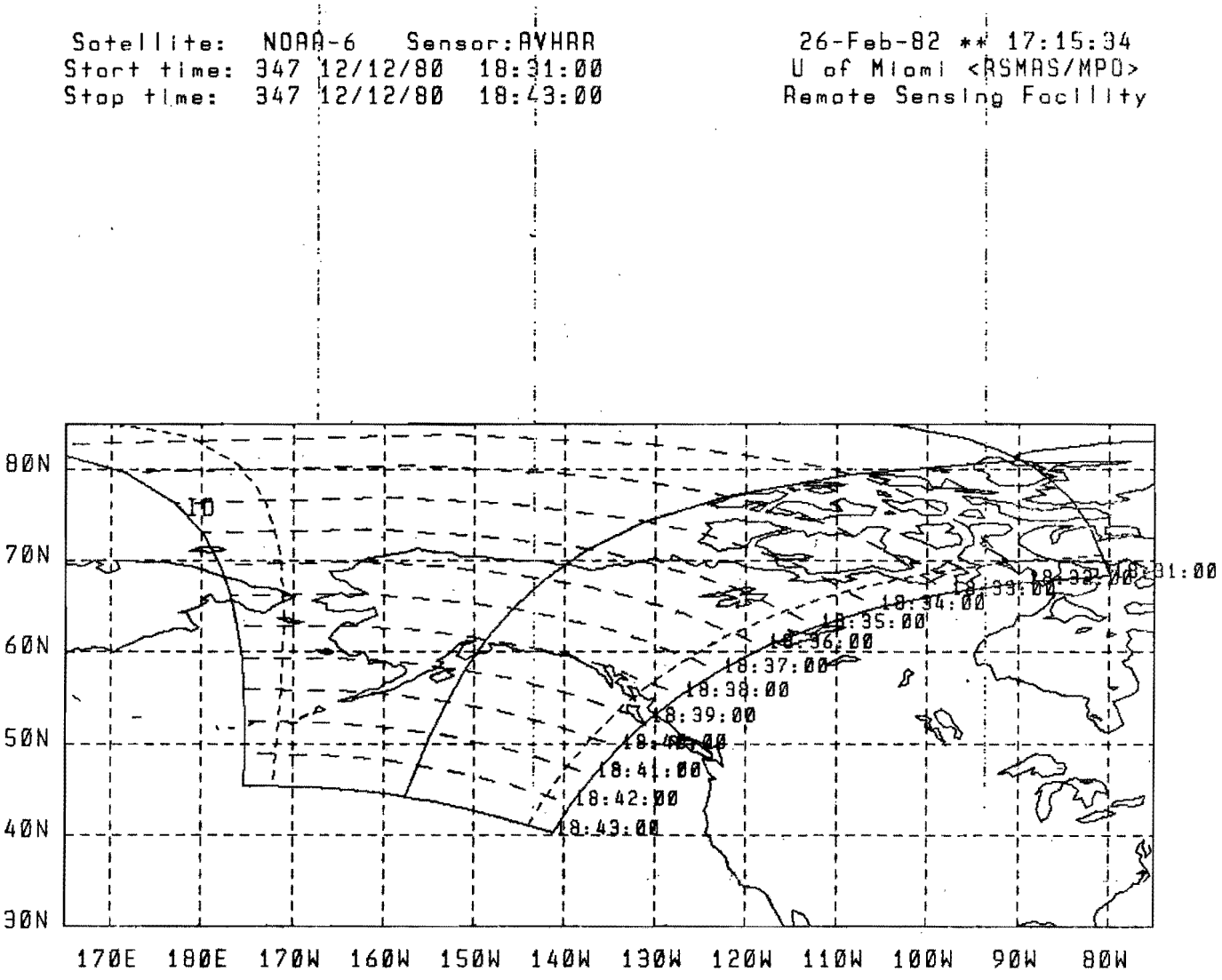
Archive tape: N34706

SDT: 803470629.N06



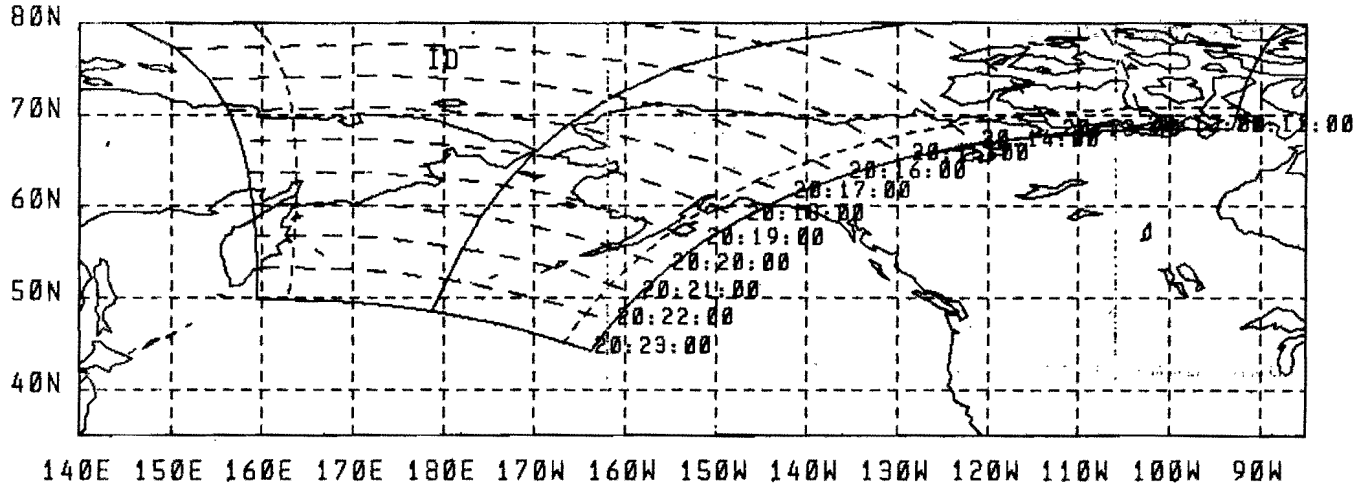
Archive tape: N34716

SOT: 803471651.N06


Satellite: NOAA-6 Sensor:AVHRR
Start time: 347 12/12/80 18:31:00
Stop time: 347 12/12/80 18:43:00
26-Feb-82 ** 17:15:34
U of Miami <RSMAS/MPO>
Remote Sensing Facility
80N
70N
60N
50N
40N
30N
170E 180E 170W 160W 150W 140W 130W 120W 110W 100W 90W 80W
18:35:00
18:36:00
18:37:00
18:38:00
18:39:00
18:42:00
18:43:00
Archive tape: N34718
SDT: 803471831.N06

Satellite: NOAA-6 Sensor:AVHRR
Start time: 347 12/12/80 20:11:00
Stop time: 347 12/12/80 20:23:00

26-Feb-82 ** 17:15:43
U of Miami <RSMAS/MPO>
Remote Sensing Facility

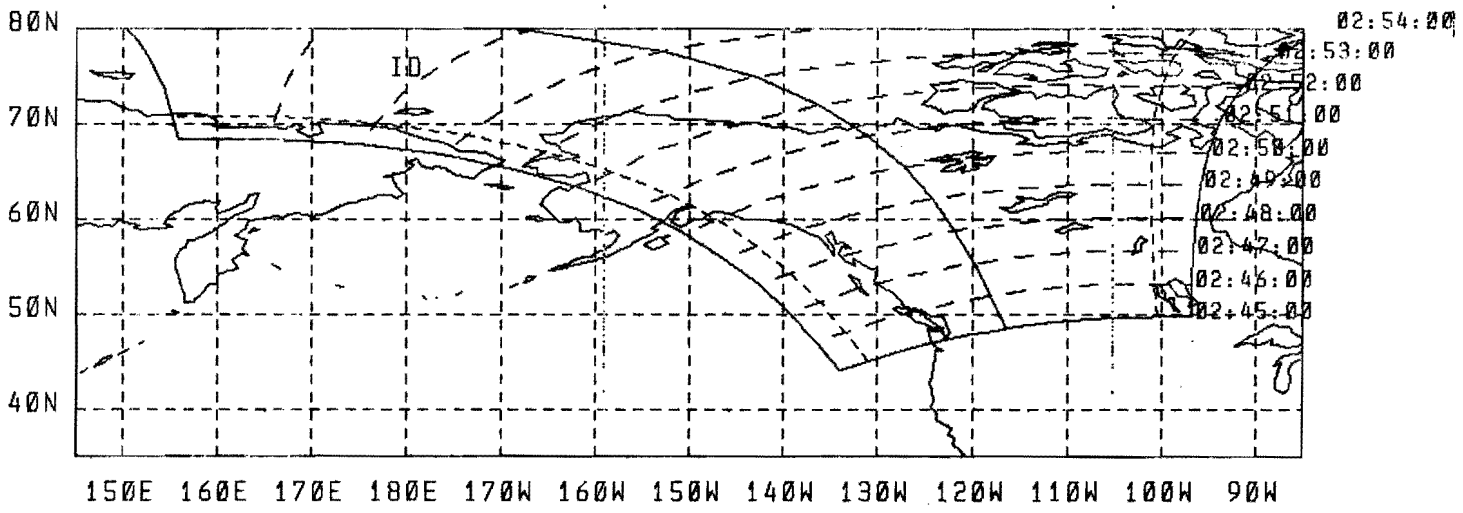


Archive tape: N34720

SDT: 803472011.N06

Satellite: NOAA-6 Sensor:AVHRR
Start time: 348 12/13/80 02:45:00
Stop time: 348 12/13/80 02:57:00

26-Feb-82 ** 17:15:51
U of Miami <RSMAS/MPO>
Remote Sensing Facility

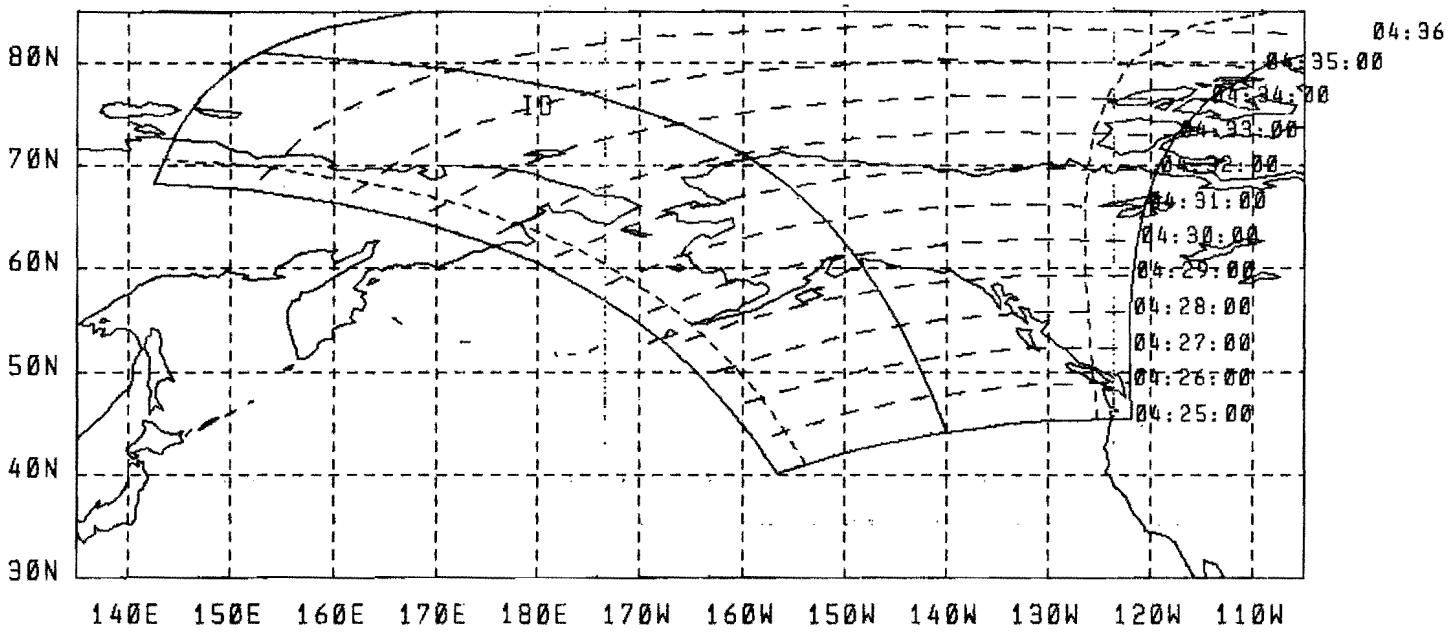


Archive tape: N34802

SDT: 803480245.N06

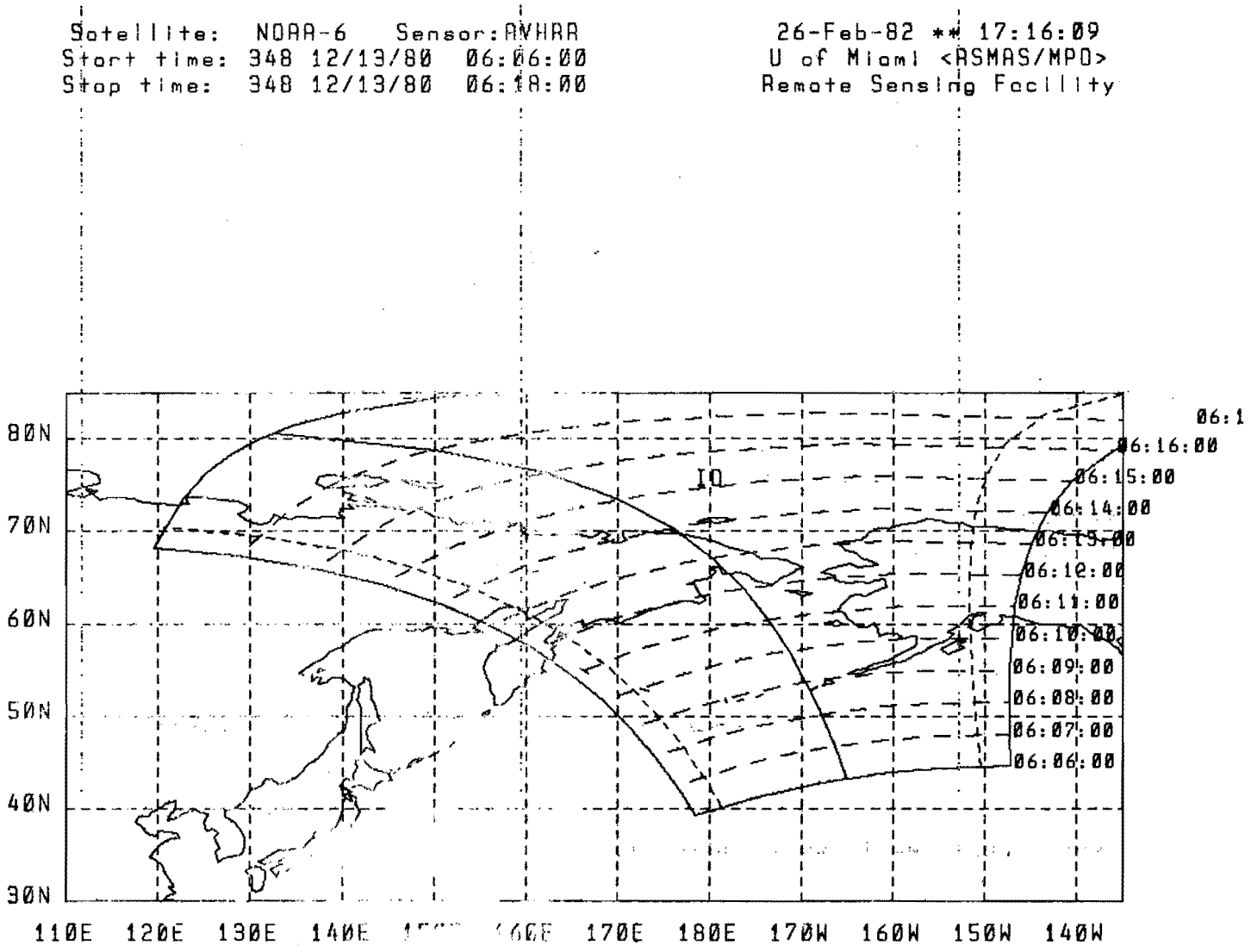
Sotellite: NOAA-6 Sensor:AVHRR
Start time: 348 12/13/80 04:25:00
Stop time: 348 12/13/80 04:37:00

26-Feb-82 ** 17:16:00
U of Miami <RSMAS/MPD>
Remote Sensing Facility



Archive tape: N34804

SOT: 803480425.N06



Archive tape: N34006

SDT: 803480606.N06

Appendix B

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Tabulation of STREX NAVAID radiosonde and aircraft dropwindsonde data

Source - ship operations log
"NO" indicates data not at
STREX office Δ unplotted
indicates NAVAIDS

NAVAIDS

November				
4	1100	48°35.2	125°25.0	
	2250	48°50.9	128°30.3	no
5	0030	48°53.8	128°51.1	
	1121	49°13.5	131°45.2	
	2258	49°27.6	135°07.5	no, but it is plotted
6	0500	49°36.2	136°56.1	
	0800	49°42.8	137°51.0	
	1100	49°48.5	138°44.8	no
	1400	49°54.6	139°43.2	(position 15 min later)
	1732	50°15.0	140°02.0	(position 6 min later)
	2034	50°36.2	140°18.8	only 1 of these @ STREX office
	2236	50°20.5	140°26.6	only 1 of these @ STREX office
7	0212	49°55.6	140°52.5	
	0634	50°00.1	140°20.8	
	0845	50°06.6	140°06.1	
	1130	50°14.5	140°19.7	
	1415	50°07.4	140°33.2	
	1519	50°06.5	140°30.1	
	1750	50°10.2	139°55.7	
	2030	50°11.1	140°00.3	
	2343	50°09.8	140°38.9	
8	0211	50°09.4	140°44.7	
	1058	50°07.1	140°37.1	
	2259	50°14.0	140°15.2	
9	1206	50°02.3	140°41.5	no
	2248	80°00.4	140°18.3	
10	1216	50°07.3	140°53.2	(failed after some data were taken) no
	1734	49°57.1	140°42.5	
	1734	49°57.1	140°42.5	
	2046	50°03.0	140°37.5	
	2333	50°19.3	140°06.4	
11	0500	49°52.4	139°55.8	no
	1127	50°15.2	140°19.0	
	1400	50°20.9	140°34.9	
	1717	50°04.6	140°39.5	
	2035	49°53.5	140°55.5	
	2300	49°53.8	140°57.0	
12	0155	49°53.9	140°53.2	
	0458	49°53.4	140°48.5	
	1101	50°12.1	141°11.3	
	1707	49°57.9	140°34.9	
	2252	49°58.9	140°28.2	
13	0415	49°55.3	140°57.9	12 Z @ STREX
	1638	50°22.5	139°57.1	
	2216	50°20.9	140°36.0	

NAVAIDS

November

14	0416	49°52.0	139°54.9	
	0715	49°51.9	140°33.7	
	1015	49°52.5	140°34.0	
	1350	50°03.5	140°16.5	
	1617	50°04.9	140°24.8	
	1935	50°07.9	140°23.8	
	2224	50°01.5	140°40.9	
15	0204	49°48.9	140°52.0	
	0401	49°45.1	140°49.0	
	0714	50°07.9	140°17.0	
	1017	50°05.7	140°10.4	
	1347	50°00.1	140°07.1	only 1 of these @ STREX office
	1417	49°58.9	140°06.4	only 1 of these @ STREX office
	1620	49°55.0	140°03.4	
	1915	49°48.1	139°59.3	
	2251	49°58.9	140°18.9	
16	0113	50°13.9	140°18.6	no
	0415	50°20.5	140°14.5	no
	1022	50°18.6	140°02.0	no
	1615	50°19.4	139°57.5	
	2225	50°00.4	140°28.4	
17	0445	50°14.4	140°28.2	
	0726	50°00.5	140°06.1	
	1050	50°07.5	139°55.4	no
	1329	49°52.3	139°54.4	
	1615	49°44.3	139°54.5	
	2212	50°10.5	140°16.1	(position 36 min earlier)
18	0130	50°14.9	140°20.3	no
	0416	50°15.1	140°20.5	
	1015	50°14.3	140°20.3	
	1316	50°12.9	140°20.5	
	1615	50°13.4	140°19.6	
	1911	50°15.9	140°17.4	
	2242	50°16.6	140°22.5	
19	0123	50°16.2	140°19.4	
	0439	50°14.6	148°19.4	no
	0715	50°15.4	140°19.9	
	1015	50°14.6	140°16.6	
	1318	50°16.9	140°18.7	
	1623	50°15.0	140°16.9	
	2218	50°13.2	140°18.6	
20	0440	50°22.5	140°11.1	no
	1012	50°05.1	140°08.8	
	1617	50°13.4	140°34.0	
	1951	50°21.1	140°28.5	
	2216	50°21.1	140°13.2	
21	0415	50°24.3	140°15.6	
	1015	50°15.1	140°19.2	

OCEANOGRAPHER (cont.)

	NAVAID			
November				
21	1615	50°15.1	140°17.1	
	2228	50°15.0	140°22.6	
22	1015	51°53.3	137°24.4	
29	2216	53°02.0	135°21.3	
30	1016	51°42.0	137°36.0	
	2215	51°39.2	138°07.4	
December				
1	1014	50°08.1	140°05.4	no
	1615	50°09.5	140°06.8	
	2216	49°59.6	140°21.3	
2	0415	50°07.0	140°29.2	
	1015	50°14.4	140°15.0	
	1615	50°14.5	140°20.1	
	1915	50°20.5	140°32.9	
	2215	50°11.1	140°38.2	
3	0113	49°53.6	140°41.1	
	0418	49°53.0	140°03.0	
	1015	50°18.9	139°57.8	
	1615	50°08.6	140°19.9	no
	2215	50°07.1	140°31.1	
4	0416	50°09.6	140°20.9	
	1016	50°11.6	140°26.5	
	1314	50°15.2	140°25.1	
	1615	50°14.3	140°18.4	
	1944	50°15.4	140°14.4	
	2216	50°07.7	140°17.6	
5	0118	50°07.5	140°20.6	
	0415	50°08.3	140°18.6	
	1015	50°08.4	140°18.7	
	1616	50°08.6	140°18.7	
	2231	50°10.2	140°21.0	
6	0120	50°07.7	140°17.3	(position 7 min earlier)
	0416	50°08.0	140°18.1	
	0715	50°09.5	140°17.6	
	1015	50°06.5	140°18.1	no
	1317	50°07.5	140°17.0	
	1610	50°08.5	140°16.7	
	1915	50°07.1	140°17.4	
	2215	50°04.5	140°13.9	
7	0117	50°08.0	140°18.2	
	0422	50°07.9	140°18.1	
	0717	50°06.0	140°15.1	
	1015	50°05.0	140°14.1	
	1316	50°07.5	140°18.2	
	1615	50°07.6	140°18.8	
	1917	50°07.9	140°20.7	

December	NAVAID			
7	2216	50°07.9	140°23.2	
8	0415	50°08.0	140°18.0	for 18Z?
	0715	50°05.2	140°19.0	
	1015	50°05.2	140°18.1	
	1317	50°07.2	140°16.5	
	1415	50°08.8	140°18.0	
	1937	50°07.0	140°17.2	
	2216	50°05.3	140°19.5	
9	0120	50°07.4	140°17.6	
	0415	50°09.0	140°19.3	
	0715	50°04.9	140°17.0	
	1013	50°08.7	140°16.5	
	1315	50°07.7	140°16.8	no
	1615	50°08.3	140°19.0	no
	1926	50°07.3	140°20.4	no
	2215	50°08.0	140°20.4	no
10	0115	50°06.7	140°21.1	no
	0415	50°08.5	140°18.2	no
	0715	50°08.4	140°22.6	no
	1015	50°09.9	140°19.1	no
	1315	50°07.7	140°20.0	no
	1623	50°09.0	140°17.0	no
	1915	50°09.8	140°12.1	
	2215	50°05.4	140°18.8	
11	0210	50°09.7	140°20.7	
	0415	50°07.3	140°18.6	
	0716	50°07.0	140°28.5	
	1048	49°53.0	140°39.0	
	1315	50°01.5	140°42.9	
	1735	50°23.3	140°26.5	
	1920	50°22.5	139°56.0	
	2217	50°02.9	139°55.5	
12	0119	49°51.3	140°10.4	
	0415	49°48.2	140°12.0	
	0715	49°37.0	139°16.4	
	1046	49°25.2	139°09.4	
	1315	49°14.8	137°23.6	no
	1615	49°04.3	136°29.4	no, but it is plotted
	1921	48°55.5	135°42.7	no
	2315	48°45.6	134°49.0	no
13	0115	48°42.0	134°24.8	no
	0432	48°34.5	133°43.0	no
	0715	48°25.0	133°03.3	no
	1041	48°18.9	132°41.0	no
	1700	49°19.9	132°44.3	no
	2215	48°11.0	131°59.8	no
14	0437	47°47.0	130°06.6	no
	1022	47°30.1	128°57.6	no
	1615	47°33.2	128°58.7	no
	2215	47°51.3	127°31.1	no
15	0415	48°21.1	125°27.1	no

NOVEMBER	NAVAIDS		
3	0000	49.6°	139.0°
	0600	49.7°	140.8°
	1200	49.9°	143.3°
4	0000	49.5°	144.8°
	0600	49.8°	145.0°
	1200		
	1800		
5	0000	49.6°	144.7°
	0600	49.7°	145.2°
	1200		
	1800		
6	0000		
	0600		
	1000	(not plotted)	
	1200		
	1500		
	1800		
	2100		
7	0000		
	0600		
	1200		
	1500		
8	0000		
	0600		
	1200		
9	0000		
	0600		
	1200		
10	0000		
	0600		
	1200	(radar winds only)	
	1800		
11	0000		
	0600		
	1200		
	1500		
	1800		
	2100	(not plotted)	
12	0000		
	0300		
	1200		
	1800		
13	0000	(not plotted)	
	0600		
	1200		
	1800		
14	0000		
	0600		

If position not noted, then it is within .2° degrees of 50°N, 145°W

Source: NAVAID data received at STREX office.

Note: if position is not noted, then it is within .2 degrees of 5°N, 145°W.

Vancouver (cont.)

NOVEMBER	NAVAIDS			STREX Leg 1
14	1200	49.9°	145.9°	
	1800			
15	0000			
	0300			
	0600			
	0900			
	1800			
	2100			
16	0000			
	0300			
	0600			
	1800			
17	0000			
	0300			
	0600			
	1200			
	1500			
	1800			
	2100			
18	0000			
	0300			
	0600			
	1200			
	1500			
	1800			
19	0000			
	0300			
	0900			
	1200			
	1500			
	1800			
	2100	(not plotted)		
20	0000	49.6°144.6°		
	0600	49.6°144.9°		
	1200			
	1800			
	2100			
21	0000			
	0600			
	1800			
22	0000			
	0600			
	1800			
23	0000			
	0600			
	1200	50.0°	145.9°	
	1800			

Vancouver (cont.)

NOVEMBER	NAVAIDS			STREX Leg 2
24	0000			
	0600			
	1200	(sfc only)		
	1800			
25	0000			
	0600			
	1200			
	1800	(only to 670 mb)		
26	0000			
	0600			
	1200			
27	0000			
	0600			
28	0000	51.0°	140.9°	
	0600	51.0°	141.6°	(radar winds only)
	1200	50.6°	142.5°	
	1800	50.4°	143.4°	(radar winds only)
29	0000	50.2°	143.9°	
	0600	50.2°	144.3°	
	1200			
	1800			
30	0000			
	0600			
	1200			
	1800	(not processed--bad data)		
DECEMBER				
1	0000			
	0600			
	1200	(radar winds only)		
	1800			
2	0000			
	0600			
	1200			
	1800			
3	0000			
	0600			
	1200			
	1800			
4	0000	50.1°	140.5°	
	0600			
	1200			
	1800			
5	0000			
	0600	(not enough data to process)		
	1200	(radar winds only)		
	1800	(unusable data)		

Vancouver (cont.)

NOVEMBER	NAVAIDS			STREX Leg 2
6	0000			
	0300			
	0600	(sfc winds only)		
	0900			
	1200			
	1500			
	1800			
7	0000	50.0°	142.6°	
	0600	(radar winds only - not plotted)		
	0900	50.1°	139.7°	
	1200	50.1°	138.4°	(problem with launch - may be 1500)
	1800	50.2°	136.5°	

DECEMBER	NAVAIDS			STREX Leg 2
8	0000	50.3°	134.6°	
	1200	50.2°	131.6°	
9	0000	50.3°	131.5°	
	0600	50.2°	132.7°	
	0900	50.2°	133.3°	
	1200	50.3°	134.1°	
	1500	50.2°	134.7°	
	1800	50.2°	135.3°	
	2100	50.2°	136.1°	
10	0000	50.2°	136.9°	
	1200	50.1°	139.5°	
11	0000	50.1°	142.3°	
	0600	50.0°	143.4°	
	1200	50.0°	144.5°	
	1800			
12	0000	(data look bad)		
	1200			
	1500			
	2100	49.7°	145.2°	
13	0300	49.6°	144.8°	
	0600	49.7°	144.7°	

GWC* STREX Leg 1

Source printout in data file

NOVEMBER	DROPSONDES			
18	2009	48.1°	141.9°	no winds (found in case study)
20	2031	48.3°	138.3°	
24	1912	50.3°	135.0°	
26	2323	43.6°	147.5°	
27	0145	37.3°	152.4°	

*GWC--U.S. Air Force flew in STREX op. area routinely.

Appendix C

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Lists of translated NOAA-6 orbit passes

Base Band Tape #	Satellite Log Track	Recorder Track	Orbit #	Date/Time GMT*	Archive Tape Label**	# of Scan Lines	Orbit Coverage Map	Comments
3224	N	5	7225	80321/16-nov-80/194946	N32119	4412	x	.1
3206	N	14	7215	80321/16-nov-80/024645	N32102			.1
3217	N	14	7224	80321/16-nov-80/180946	N32118	3619		.1
	N	6	7223	80321/16-nov-80/162933	N32116			.1
3214	N	5	7216	80321/16-nov-80/042614	N32104			.1
	N	6	7217	80321/16-nov-80/060659	N32106	3616		.1
3198	N	5	7210	80320/15-nov-80/183211	N32018	4414~		.1
	N	6	7211	80320-15-nov-80/201209	N32020			.3
3182	N	13	7209	80320/15-nov-80/165150	N32016			.3
3353	N	6	7443	80337/02-dec-80/033025	N33703			.3
	N	13	7444	80337/02-dec-80/051108	N33705			.3
3357	N	14	7451	80337/02-dec-80/171351	N33717			.3
3057	N	6	7452	80337/02-dec-80/185346	N33718			.3
	N	13	7453	80337/02-dec-80/203402	N33720			.3
3058	N	14	7457	80338/03-dec-80/030813	N33803			.3
3061	N	5	7458	80338/03-dec-80/044844	N33804			.3
3297	N	6	7082	80311/06-nov-80/183137	N31118			.3
3295	N	14	7081	80311/06-nov-80/165141	N31116			
3307	N	14	7282	80325/20-nov-80/200100	N32520			
3318	N	14	7096	80312/07-nov-80/180930	N31218			
	N	6	7095	80312/07-nov-80/162938	N31216			
3322	N	13	7102	80313/08-nov-80/040329	N31304			
3189	N	13	7585	80347/12-dec-80/030739	N34703			
		14	7586	80347/12-dec-80/044337	N34704			
3192	N	5	7587	80347/12-dec-80/062857	N34706	great ice shot		
3195	N	13	7594	80347/12-dec-80/183113	N34718			
	N	5	7593	80347/12-dec-80/165114	N34716			
	N	14	7595	80347/12-dec-80/201116	N34720			
3204	N	5	7599	80348/13-dec-80/024553	N34802			
	N	6	7600	80348/13-dec-80/042540				
	N	13	7601	80348/13-dec-80/060619	N34806			
3229	N	13	7230	80322/17-nov-80/040400	N32204			
		14	7231	80322/17-nov-80/054416	N32205			

* Date consists of:
Julian date/Gregorian date/time

** Archive tapes identified by:
T = TIROS
N = NOAA6
M = NOAA7

Base Band Tape #	Satellite Log Track	Recorder Track	Orbit #	Date/Time GMT*	Archive Tape Label**	# of Scan Lines	Orbit Coverage Map	Comments
3239	N	6	7238	80322/17-nov-80/174719	N32217			
		13	7239	80322/17-nov-80/192727	N32219			
3255	N	14	7244	80323/18-nov-80/034152	N32303			
3275	N	5	7245	80323/18-nov-80/052222	N32305			
		6	7246	80323/18-nov-80/070418	N32307			
3280	N	13	7253	80323/18-nov-80/190508	N32319			
		14	7254	80323/18-nov-80/204522	N32320			
3288	N	5	7259	80324/19-nov-80/050016	N32405			
		6	7260	80324/19-nov-80/064058	N32406			
3301	N	5	7273	80325/20-nov-80/043750	N32504			
		6	7274	80325/20-nov-80/061815	N32506			
3315	N	5	7287	80326/21-nov-80/041506	N32604	3989		
		6	7288	80326/21-nov-80/055705	N32605	3305		
3019	N	13	7145	80316/11-nov-80/043742	N31604			
		14	7146	80316/11-nov-80/061822	N31606	3509		
3345	N	5	7125	80314/09-nov-80/190502	N31419	4482		
3074	N	6	7480	80339/04-dec-80/180912	N33918			
		13	7481	80339/04-dec-80/194921	N33919	4448		
3178	N	5	7571	80346/11-dec-80/032934	N34603			
			7572	80346/11-dec-80/051049	N34605	3673		
3065	N	6	7465	80338/03-dec-80/165132	N33816			
		14	7466	80338/03-dec-80/183134	N33818			
3224	N	5	7225	80321/16-nov-80/194946	N32119			
3206	N	14	7215	80321/16-nov-80/024645	N32102			
3214	N	6	7217	80321/16-nov-80/060659	N32106			
		5	7216	80321/16-nov-80/042514	N32104			
3217	N	6	7223	80321/16-nov-80/162933	N32116			
		14	7224	80321/16-nov-80/180941	N32118			
3157	N	5	7187	80319/14-nov-80/033020	N31903			
		6	7188	80319/14-nov-80/051040	N31905			
		13	7189	80319/14-nov-80/065240	N31906			
3130	N	5	7543	80344/09-dec-80/041424	N34404			
			7544	80344/09-dec-80/055519	N34405			
3137	N	5	7550	80344/09-dec-80/161811	N34416			

Base Band Tape #	Satellite Log Track	Recorder Track	Orbit #	Date/Time GMT*	Archive Tape Label**	# of Scan Lines	Orbit Coverage Map	Comments
3137	N	13	7551	80344/09-dec-80/175753	N34417			
		14	7552	80344/09-dec-80/193758	N34419			
3104	N	5	7501	80341/06-dec-80/052204	N34105			
3096	N	5	7495	80340/05-dec-80/192704	N34019			
3101	N	14	7500	80341/06-dec-80/034112	N34103			
3184	N	5	7580	80346/11-dec-80/185325	N34618			
3163	N	5	7565	80345/10-dec-80/173540	N34517			
		13	7566	80345/10-dec-80/191538	N34519			
3144	N	13	7557	80345/10-dec-80/035158	N34503			
		14	7558	80345/10-dec-80/053256	N34505			
3336	N	6	7116	80314/09-nov-80/034128	N31403			
		13	7117	80314/09-nov-80/052221	N31405			
3285	N	5	7067	80310/05-nov-80/173747	N31007			
3271	N	6	7053	80309/04-nov-80/173600	N30917			
3198	N	5	7210	80320/15-nov-80/183211	N32018			
3098	N	5	7168	80317/12-nov-80/193830	N31719			
3162	N	5	7196	80319/14-nov-80/185405	N31918			
		6	7197	80319/14-nov-80/203421	N31920			
3126	N	5	7180	80318/13-nov-80/155626	N31815			
			7181	80318/13-nov-80/173613	N31817			
3158	N	13	7195	80319/14-nov-80/171357	N31917			
3091	N	5	7166	80317/12-nov-80/161834	N31716			
		13	7167	80317/12-nov-80/175823	N31717			
3075	N	6	7158	80317/12-nov-80/023536	N31702			
		14	7159	80317/12-nov-80/041512	N31704			
3351	N	6	7130	80315/10-nov-80/031920	N31503			
		13	7131	80315/10-nov-80/050034	N31505			
3006	N	5	7139	80315/10-nov-80/184249	N31518			
3085	N	5	7160	80317/12-nov-80/055549	N31705			
3140	N	5	7182	80318/13-nov-80/191625	N31819			
3112	N	5	7174	80318/13-nov-80/053325	N31805			
3291	N	13	7074	80311/06-nov-80/044927	N31104			
3052	N	6	7154	80316/11-nov-80/200020	N31620			
3105	N	14	7173	80318/13-nov-80/035247	N31803			
3068	N	6	7471	80339/04-dec-80/024622	N33902			

Base Band Tape #	Satellite Log Track	Recorder Track	Orbit #	Date/Time GMT*	Archive Tape Label	# of Scan Lines	Orbit Coverage Map	Comments
3068	N	13	7472	80339/04-dec-80/043011	N33904			
3116	N	13	7522	80342/07-dec-80/170237	N34217			
		14	7523	80342/07-dec-80/684200	N34218			
3123	N	5	7528	80343/08-dec-80/025705	N34302			
		6	7529	80343/08-dec-80/043726	N34304			
3084	N	5	7486	80340/05-dec-80/040330	N34004			
		6	7487	803401/5-dec-80/054408	N34005			
3146	N	13	7564	80345/10-dec-80/155609	N34515			
3092	N	14	7494	80340/05-dec-80/174700	N34017			
3179	N	13	7579	80346/11-dec-80/171320	N34617			
3125	N	6	7536	80343/08-dec-80/164018	N34316			
		13	7537	80343/08-dec-80/182007	N34318			
3072	N	14	7479	80339/04-dec-80/162903	N33916			
3113	N	5	7514	80342/07-dec-80/031910	N34203			
		6	7515	80342/07-dec-80/050018	N34205			
3109	N	6	7508	80341/06-dec-80/172430	N34117			
		13	7509	80341/06-dec-80/190441	N34119			
3181	N	5	7201	80320/15-nov-80/030810	N32003			
			7202	80320/15-nov-80/044650	N32004			
			7203	80320/15-nov-80/062850	N32006			

DROPSONDES

Source - scientific logs in data file

November				
7-8	214330	49.00°	132.06° ODW (shoot did not open) no winds	
	214610	49.02°	132.20° ODW (no winds)	Stepdown plotted
	220638	49.42°	134.58° ODW #2	2236-225830
	221835	49.50°	136.02° ODW (bad pressures)	
	223545	49.81°	138.11° ODW #4	
	233818	49.49°	141.29° AXBT	
	991799	47.54°	143.12° AXBT	
	004600	48.5[illegible]°	141.17° AXBT	
	011635	49.31°	143.09° AXBT	
	021330	50.09°	142.41° AXBT	
	025421	49.86°	137.73° ODW (repeat of #4)	
	032000	49.37°	133.96° ODW (repeat of #2)	
11				
	172900	49°04'	132°00' ODW	
	185400	49°23'	134°00' ODW	Descent profile
	191100	49°40'	136°00' ODW	plotted
	192800	49°54'	138°03' ODW	
	213800	49°14'	137°02' AXBT	
	215600	48°29'	138°01' AXBT (2 drops)	
	221600	49°10'	139°24' AXBT	
	230200	49°56'	139°22' AXBT	
15-16				
	204425	49.00°	130.13° ODW (bad winds)	
	000930	49.00°	140.57° AXBT	
	005745	48.99°	139.08° ODW	
	015920	49.43°	134.14° AXBT	
	022710	49.64°	133.22° ODW	
	024500	48.96°	132.29° ODW (bad below 750 mb)	
17-18				
	191600	49°02'	132°04' ODW	
	193400	49°19'	134°05' ODW	Rampup plotted
	195200	49°34'	136°03' ODW	Stair step plotted
	200900	49°47'	138°03' ODW	
	203200	50°10'	140°34' ODW (bad winds)	
	215600	50°10'	144°52' AXBT	
	004700	48°46'	139°02' AXBT	
	010000	48°46'	137°31' ODW	
18-19				
	211259	49.06°	132.01° ODW	
	215547	49.64°	136.69° ODW (bad winds)	
	220750	49.78°	138.02° ODW	
	011105	50.00°	144.98° AXBT	

P-3 (cont.)

NOVEMBER					
18-19	015630	48.45°	142.84°	AXBT	
	023245	50.22°	140.33°	AXBT	
	030730	49.91°	137.78°	ODW	
DECEMBER	DROPSONDES				
2-3					
	182230	50.26°	128.58°	ODW	
	184130	51.17°	129.97°	AXBT	Descent plotted
	202630	54.13°	134.26°	AXBT	1824Z
	210040	52.59°	135.89°	AXBT	Ascent
	003140	50.45°	133.14°	AXBT	0033Z
	004630	50.15°	131.46°	ODW	
6-7					
	191200	48.94°	131.49°	ODW	
	193400	49.33°	134.06°	ODW	
	201600	49.67°	136.73°	ODW	
	203600	49.91°	139.20°	ODW	
	205800	50.10°	141.94°	ODW	
	222600	52.00°	141.39°	AXBT	
	231700	50.63°	143.33°	AXBT	
	235500	49.01°	145.23°	AXBT	
	003900	49.54°	142.88°	AXBT	
	014100	50.15°	136.79°	ODW	
9-10					
	191400	49.93°	133.55°	ODW (bad signal below 870 mb)	
	235900	49.99°	135.40°	ODW	
	000900	49.80°	133.88°	ODW (bad drop)	
	002300	49.36°	131.77°	ODW	
12-13					
	194830	48.72°	132.20°	ODW	
	202000	48.94°	136.05°	ODW	
	201600	49.01°	138.15°	ODW	
	205650	48.92°	139.49°	ODW	
	210200	49.10°	139.15°	ODW	
	213940	48.99°	139.98°	AXBT	
	225620	48.62°	143.62°	AXBT	
	235855	47.53°	142.40°	AXBT	
	005930	48.75°	137.64°	ODW	

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