

Digital Data Compilation:
Scotain Shelf and Labrador Sea
Basin Atlas Series

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GSC O.F. 2493

Table of Contents

Introduction.....	1
Caris Files.....	1
ASCII Data Format.....	2
Acknowledgements.....	2
Table 1.....	3
Bibliography.....	4
Scotian Shelf References.....	5
Labrador Sea References.....	7

Introduction

This open file report documents our compilation of selected CARIS digital files from the Labrador Sea and Scotian Shelf Basin Atlases and their modification to a simple ASCII format.

This digital compilation contains isopach and depth to basement data based on the work of others. We emphasize that the interpretations comprised in the compilation are not our own, but those of other researchers of the GSC (see East Coast Basin Atlas Series 1989 and 1990)

Arrangements to obtain the digital files can be made by contacting Bob Courtney at (902) 426-5062.

Caris Files

Caris ASCII drawing files of the selected maps in the Scotian Shelf and Labrador Sea Series were obtained from Basin Analysis Subdivision, Atlantic Geoscience Centre. These files had been initially created by digitizing the researchers hand drawn isopach or depth to basement contour maps.

Each Caris drawing file contains various types of geographically referenced line data. A header precedes each block of data in the file including a feature code indicating the type of line data immediately following. A glossary of typical feature codes is included in Appendix I.

Computer programs, written in "C", interpreted the Caris feature codes, extracted and

transferred contour data to an ASCII file and wrote additional pertinent information to a companion file. In this way, two files ASCII file were generated for each map. Source code for these programs is included in Appendix I.

ASCII Data Format

The two types of ASCII files are denoted by the extensions .con and .add. contour files (*.con) contain latitude, longitude and contour value data for isopach or depth to basement contours only. Other information relevant to gridding is included in the "additional" file. The .add file contains location data on faults, erosional edges, diapirs, and other geological boundaries. Table 1 shows a typical ASCII data file.

The Atlases may be used to index the digital filenames. A typical filename is ss55_f1.con; this corresponds to contour data from figure 1 on page 55 of the Scotian Shelf Basin Atlas.

Page sized plots were generated corresponding to the .con and .add files. Appendix II contains plots for the Scotian Shelf data and Appendix III contains Labrador Sea plots.

Acknowledgements

We would like to thank the researchers whose work is contained in this compilation. Also many thanks go to Phil Moir and Karl Usow for their technical assistance.

LATITUDE	LONGITUDE	CONTOUR VALUE	(HEADER DOES NOT APPEAR IN FILE)
4.421579e+01	-6.639240e+01	-1.000000e+03	
4.422057e+01	-6.638474e+01	-1.000000e+03	
4.422196e+01	-6.638258e+01	-1.000000e+03	
4.422799e+01	-6.637555e+01	-1.000000e+03	
4.422838e+01	-6.637508e+01	-1.000000e+03	
4.423437e+01	-6.636880e+01	-1.000000e+03	
4.423744e+01	-6.636579e+01	-1.000000e+03	
4.424203e+01	-6.635835e+01	-1.000000e+03	
4.424497e+01	-6.635432e+01	-1.000000e+03	
4.424739e+01	-6.634997e+01	-1.000000e+03	
4.425015e+01	-6.634592e+01	-1.000000e+03	
4.425583e+01	-6.633859e+01	-1.000000e+03	
9999	9999		
4.426133e+01	-6.633098e+01	-1.000000e+03	
4.426329e+01	-6.632837e+01	-1.000000e+03	
4.426933e+01	-6.632107e+01	-1.000000e+03	
4.427556e+01	-6.631353e+01	-1.000000e+03	
4.428160e+01	-6.630622e+01	-1.000000e+03	
4.428783e+01	-6.629868e+01	-1.000000e+03	
4.429386e+01	-6.629137e+01	-1.000000e+03	
4.429834e+01	-6.628594e+01	-1.000000e+03	
4.430447e+01	-6.628042e+01	-1.000000e+03	
4.431041e+01	-6.627488e+01	-1.000000e+03	
4.431061e+01	-6.627464e+01	-1.000000e+03	
4.431674e+01	-6.626912e+01	-1.000000e+03	
4.432268e+01	-6.626358e+01	-1.000000e+03	
4.432441e+01	-6.626196e+01	-1.000000e+03	
4.433056e+01	-6.625593e+01	-1.000000e+03	
4.433597e+01	-6.625007e+01	-1.000000e+03	
4.434099e+01	-6.624469e+01	-1.000000e+03	
4.434679e+01	-6.623837e+01	-1.000000e+03	
4.435288e+01	-6.623360e+01	-1.000000e+03	
4.435422e+01	-6.623245e+01	-1.000000e+03	
4.435787e+01	-6.622897e+01	-1.000000e+03	
4.436387e+01	-6.622215e+01	-1.000000e+03	
4.436832e+01	-6.621722e+01	-1.000000e+03	
4.437444e+01	-6.621194e+01	-1.000000e+03	
4.437520e+01	-6.621124e+01	-1.000000e+03	
4.438121e+01	-6.620442e+01	-1.000000e+03	
4.438332e+01	-6.620232e+01	-1.000000e+03	
4.438952e+01	-6.619526e+01	-1.000000e+03	
4.439223e+01	-6.619220e+01	-1.000000e+03	
4.439844e+01	-6.618488e+01	-1.000000e+03	
4.440097e+01	-6.618180e+01	-1.000000e+03	
4.440718e+01	-6.617448e+01	-1.000000e+03	

Table 1 typical data file

BIBLIOGRAPHY

- 1989 East Coast Basin Atlas Series: Labrador Sea; J.S. Bell (Co-ordinator), Atlantic Geoscience Centre, Geological Survey of Canada, 112 p.
- 1991 East Coast Basin Atlas Series: Scotian Shelf; Atlantic Geoscience Centre, Geological Survey of Canada , 152 p.

SCOTIAN SHELF BASIN ATLAS

<u>Pg.</u>	<u>Author</u>	<u>Filename</u>	<u>Title</u>
55	J.A. Wade	ss55_f1 - ss55_f6 - ss55_f7 -	Pre-Mesozoic Basement and Mohecan Fm and Equivalent: Structure Depth Map, Pre-Mesozoic Basement Structure Depth Map, Mohecan Fm and Equivalent Isopach Map, Top of Mohecan Fm to Basement includes Mohecan, Iroquois, Argo, Eurydice and Equivalent
57	J.A. Wade	ss57_f5 - ss57_f7 -	Micmac and Abenaki Formations: Structure Depth Map, Abenaki & Micmac Formations Isopach Map, Abenaki Formation, Micmac Formation and Equivalents
59	J.A. Wade	ss59_f2 - ss59_f6 - ss59_f8 - ss59_f9 -	Mississauga Formation: Structure Depth Map, Mississauga Formation Isopach Map, Mississauga Formation Structure Depth Map, Middle Member Mississauga Formation Isopach Map, Lower Member Mississauga Formation
61	J.A. Wade	ss61_f3 - ss61_f5 -	Logan Canyon Formation: Structure Depth Map, Logan Canyon Formation Isopach Map, Logan Canyon Formation
63	J.A. Wade	ss63_f2 - ss63_f3 - ss63_f5 - ss63_f7 -	Dawson Canyon and Wyandot Formations: Structure Depth Map, Petrel Member, Dawson Canyon Formation Isopach Map, Dawson Canyon Formation Structure Depth Map, Wyandot Formation Isopach Map, Wyandot Formation

75	B.C. MacLean	ss75_map -	Depth to Pre-Mesozoic Basement and Oceanic Layer 2
77	B.C. MacLean	ss77_map -	Depth to Scatarie Member and Oceanic Horizon J2
79	B.C. MacLean	ss79_map -	Depth to Top of Jurassic and Oceanic Horizon J1
81	B.C. MacLean	ss81_map -	Depth to "O" Marker & Oceanic Horizon B
83	B.C. MacLean	ss83_map -	Depth to Petrel Marker
85	B.C. MacLean	ss85_map -	Depth to Wyandot Formation & Oceanic Horizon A
87	B.C. MacLean	ss87_map -	Isopach Map of Top of Jurassic to Basement and Oceanic Horizon J1 to Layer 2
89	B.C. MacLean	ss89_map -	Isopach Map of Top Jurassic to Scatarie Member & Oceanic Horizons J1 to J2
91	B.C. MacLean	ss91_map -	Isopach Map of "O" Marker to Top of Jurassic and Oceanic Horizons B to J1
93	B.C. MacLean	ss93-map -	Isopach Map of Petrel Marker to "O" Marker
95	B.C. MacLean	ss95_map -	Isopach Map of Wyandot Formation to Petrel Marker

LABRADOR SEA BASIN ATLAS

<u>Pg.</u>	<u>Author</u>	<u>Filename</u>	<u>Title</u>
62	H.R. Balkwill et al	162rgt	Basement Structure
64	H.R. Balkwill et al	164lft 164rgt	Top Bjami Formation Structure Top Markland Formations Structure
66	H.R. Balkwill et al	166lft 166rgt	Top Gudrid/Cartwright Formations Structure Top Kenamu Formation Structure
70	J.S.Bell et al	170lft	Bjami Formation (Early Cretaceous), Isopach
72	J.S.Bell et al	172lft	Markland Formation (Late Cretaceous to Early Paleocene), Isopach
74	J.S.Bell et al	174lft	Gudrid/Cartwright Formations (Early Paleocene to Early Eocene), Isopach
76	J.S.Bell et al	176lft	Kenamu Formation (Early to Late Eocene), Isopach

APPENDIX I

Contains:

grctoxyz.c - source code for program which transfers contour data from Caris file to ASCII file

grtoxyz.c - source code for program which transfers geologic boundary data from Caris file to ASCII file

Glossary of Typical Feature Codes

```

/* grtoxxyz.c - caris cad to surface input format */
#include <stdio.h>
#include <string.h>

FILE *ifile;
char rline[80], *sline;;

main(argc,argv)
int argc;
char *argv[];
{
    int res;

    if (argc < 1) {
        printf("Usage: grtoxxyz [carisfile]\n");
        exit(1);
    }

    if (argc == 2) {
        ifile = fopen(argv[1],"r");
    }
    else {
        ifile = stdin;
    }

    for(;;) {
        res = get_Feature();
        if(!res) break;
        get_data();
    }
    fclose(ifile);
    exit(0);
}

int get_Feature ()
{
    int no;

    for(;;) {
        if(!fgets(rline,80,ifile) == NULL) return(0);
        if(strncmp(rline," Feature code=GRB",17) == 0) {
            return(1);
        }
        if(strncmp(rline," Feature code=GRF",17) == 0) {
            return(1);
        }
    }
}

```

```

get_data(fcode)
int fcode;
{
    int i, no;
    double ns, ew, z, big;
    float s;
    int d, m;

    big = 999999.0;
    fgets(rline,80,ifile);
    fgets(rline,80,ifile);
    sscanf(rline,"%s %d",&no);
    z = (double) no * -0.001;
    fgets(rline,80,ifile);
    for(;;) {
        fgets(rline,80,ifile);
        if(strncmp(rline,"
34) == 0) break;
        1      1      0",
        for(;;) {
            if(!scanf(ifile,"%d-%d-%f%*c",&d,&m,&s) != 3) {
                printf("%e %e %e\n",big,big,big);
                return;
            }
            ns = (double) d + (double) m + s / 60.0) / 60.0;
            fscanf(ifile,"%d-%d-%f%*c",&d,&m,&s);
            ew = - ( (double) d + (double) m + s / 60.0) / 60.0);
            printf("%e %e %e\n",ew,ns,z);
        }
    }
}

```

```

/* grctoxyz.c - caris cad to surface input format */
#include <stdio.h>
#include <string.h>

FILE *ifile;
char rline[80], *sline;;

main(argc,argv)
int argc;
char *argv[];
{
    int res;

    if (argc < 1) {
        printf("Usage: grctoxyz [carisfile]\n");
        exit(1);
    }

    if (argc == 2) {
        ifile = fopen(argv[1],"r");
    }
    else {
        ifile = stdin;
    }

    for(;;) {
        res = get_Feature();
        if(!res) break;
        get_data();
    }
    fclose(ifile);
    exit(0);
}

int get_Feature()
{
    int no;

    for(;;) {
        if(fgets(rline,80,ifile) == NULL) return(0);
        if(strncmp(rline," Feature code=GRC",17) == 0) {
            return(1);
        }
    }
}

get_data(fcode)
int fcode;

```

```

{
    int i, no;
    double ns, ew, z, big;
    float s;
    int d, m;

    big = 999999.0;
    fgets(rline,80,ifile);
    fgets(rline,80,ifile);
    sscanf(rline,"%s %d",sno);
    z = (double) sno * -0.001;
    fgets(rline,80,ifile);
    for(;;) {
        fgets(rline,80,ifile);
        if(strncmp(rline,"
34) == 0) break;
        1      1      0",
        )

        for(;;) {
            if(fscanf(ifile,"%d-%d-%f%*c", &d,&m,&s) != 3) {
                printf("%e %e %e\n",big,big,big);
                return;
            }
            ns = (double) d + ( (double) m + s / 60.0) / 60.0;
            fscanf(ifile,"%d-%d-%f%*c", &d,&m,&s);
            ew = - ( (double) d + ( (double) m + s / 60.0) / 60.0);
            printf("%e %e %e\n",ew,ns,z);
        }
    }
}

```

GLOSSARY OF TYPICAL FEATURE CODES

CLSL	0 Coastline/Shoreline	BK U DD 02 08
CODTMR	0 Contour: depth in metres	BU U DD 02 06
COLB	0 Contour Labels	BU N DD 07 07
DLBI	0 Boundary: international GSC	BK N DR 03 20
DLBP	0 Boundary: Provincial GSC	BK N DR 03 20
DLBPS	0 Boundary: Provincial GSC SHORT	BK N DR 03 20
GBGRLINESTRD	0 Grat. Lines - Standard	BK N DR 02 05
GBNEATLINEIN	0 Inner Neatline	BK U DR 02 05
GRB	0 Geological boundary default	BK N DR 02 10
GRBDIA	0 DIAPIR BOUNDARY	BK N DR 02 10
GRBEROS	0 EROSION EDGE (from onlap)	BK N DR 02 15
GRBEROSAS	0 EROSION EDGE boundary approximate	BK N DR 03 15
GRBLIM	0 LIMIT OF GEOLOGICAL MAPPING	BK N DR 02 15
GRBLIMAS	0 LIMIT OF Geological MAPPING approx	BK N DR 03 15
GRBONLAP	0 Onlap edge	BK N DR 02 15
GRBONLAPAS	0 Geological boundary assumed	BK N DR 03 15
GRCISO	0 Isopach contour	BK N DR 02 10
GRCISOAS	0 Isopach contour assumed	BK N DR 03 10
GRCSTRU	0 Structure contour	BK N DR 02 10
GRCSTRUAS	0 STRUCTURE contour assumed	BK N DR 03 10
GRF	0 Fault line	BK N DR 02 22
GRFNA	0 Normal fault, altered symbology	BK N DR 03 22
NFRI	0 Rivers	BK N DD 02 07
TEXT	0 Text/Names (black)	BK N DD 07 10
WRPEA	0 Well, dry abandoned symbol	BK N DR 08 05
WRPEOSH	0 Well, show	BK N DR 08 05
WRTNAME	0 Exploration well name	BK N DR 07 06
ZPD3J1	0 Dot .028	BK N DD 08 05
ZPD3J2	0 Dot .030	BK N DD 08 05
ZPD3J3	0 Dot .032	BK N DD 08 05
ZPD3J4	0 Dot .040	BK N DD 08 05
ZPD3J5	0 Dot .050	BK N DD 08 05
ZPD3J6	0 Dot .060	BK N DD 08 05
ZPLI05	0 Line .005	BK N DR 02 05
ZPLI15	0 Line .015	BK N DR 02 15

APPENDIX II

Contains:

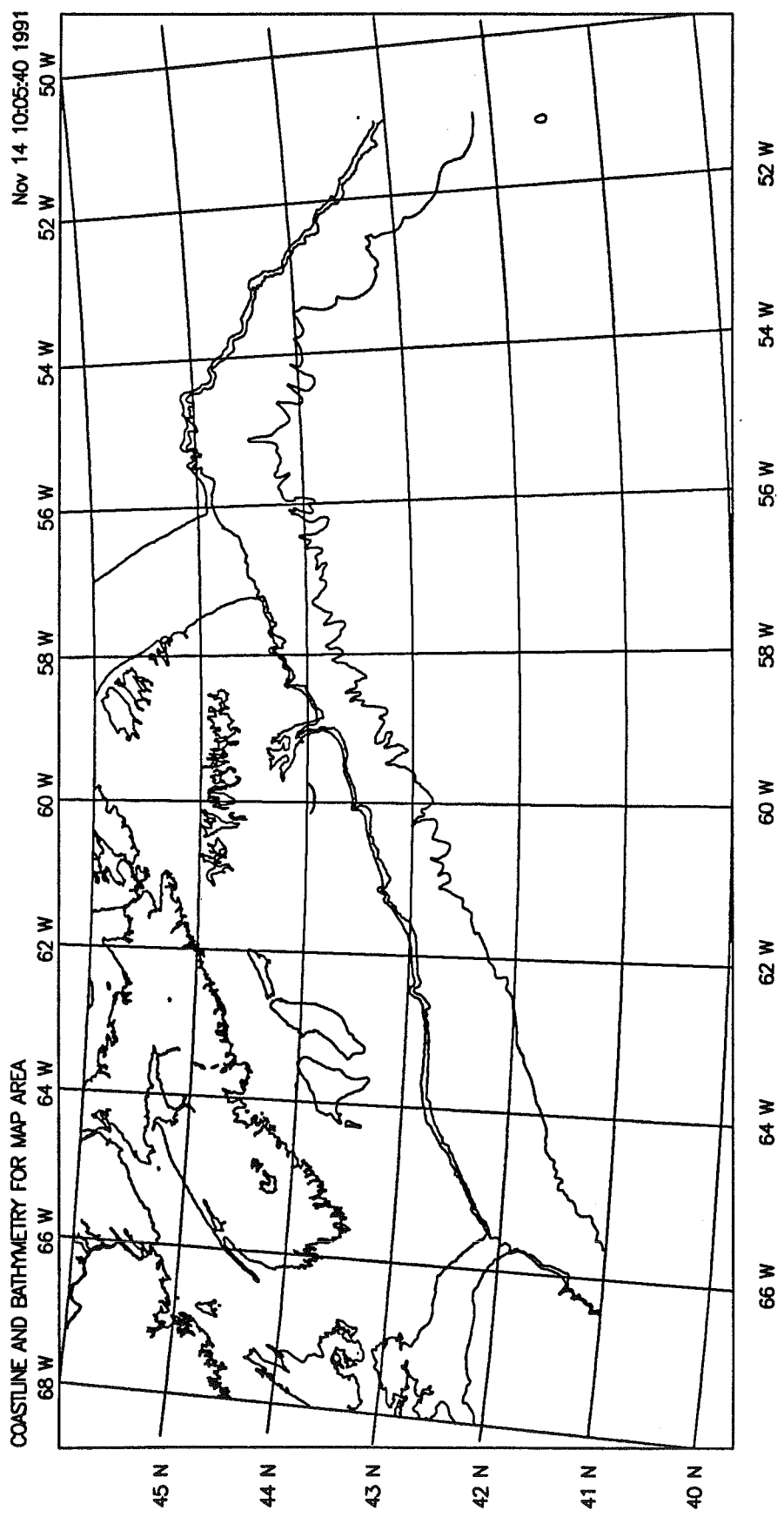
List of Scotian Shelf data filenames with reference to
Atlas page number and map title

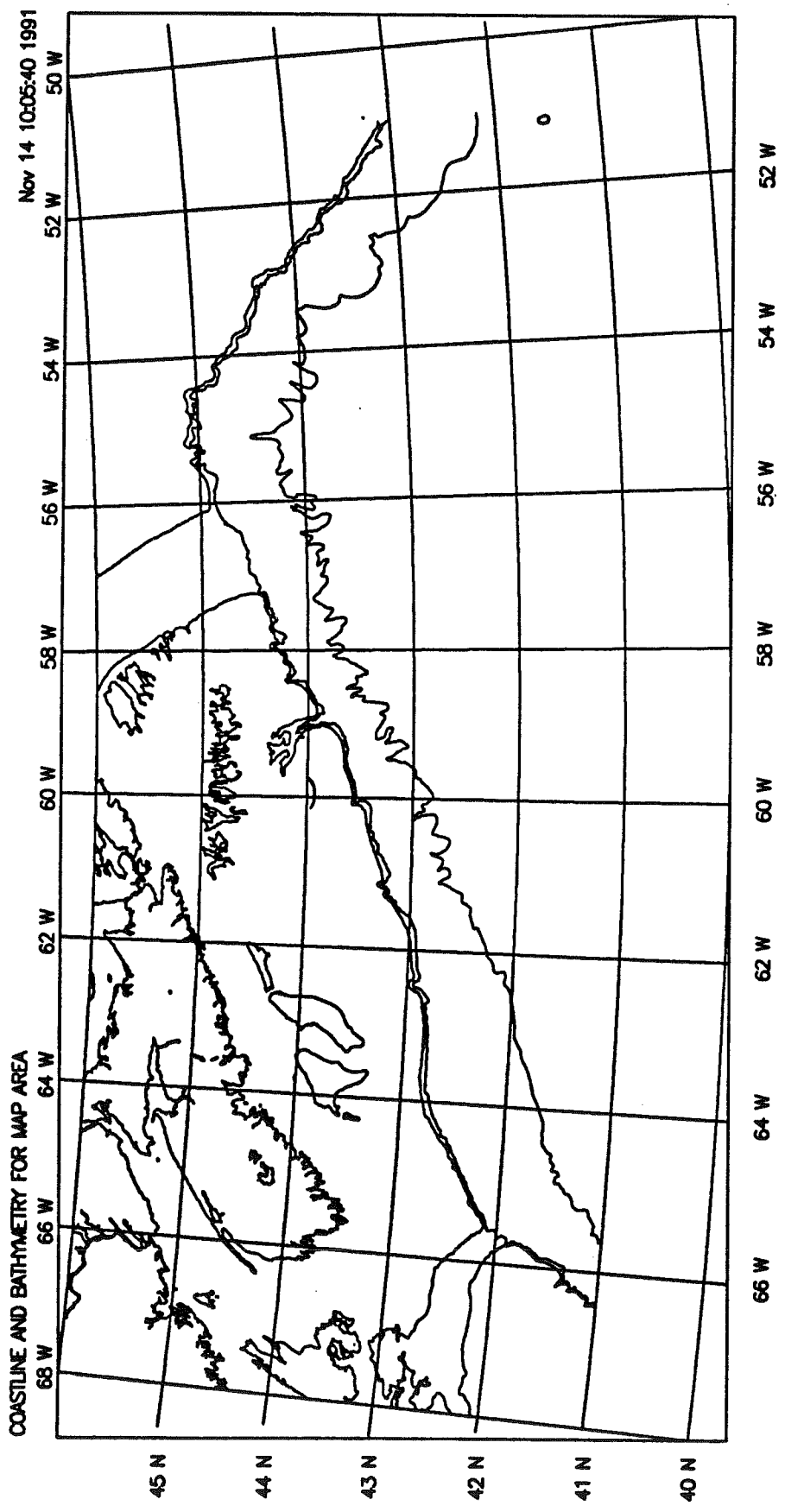
Plots of Scotian Shelf .con and .add files

SCOTIAN SHELF BASIN ATLAS

<u>Pg.</u>	<u>Author</u>	<u>Filename</u>	<u>Title</u>
55	J.A. Wade	ss55_f1 - ss55_f6 - ss55_f7 -	Pre-Mesozoic Basement and Mohecan Fm and Equivalent: Structure Depth Map, Pre-Mesozoic Basement Structure Depth Map, Mohecan Fm and Equivalent Isopach Map, Top of Mohecan Fm to Basement includes Mohecan, Iroquois, Argo, Eurydice and Equivalent
57	J.A. Wade		Micmac and Abenaki Formations: Structure Depth Map, Abenaki & Micmac Formations Isopach Map, Abenaki Formation, Micmac Formation and Equivalents
59	J.A. Wade	ss59_f2 - ss59_f6 - ss59_f8 - ss59_f9 -	Mississauga Formation: Structure Depth Map, Mississauga Formation Isopach Map, Mississauga Formation Structure Depth Map, Middle Member Mississauga Formation Isopach Map, Lower Member Mississauga Formation
61	J.A. Wade		Logan Canyon Formation: Structure Depth Map, Logan Canyon Formation Isopach Map, Logan Canyon Formation
63	J.A. Wade	ss63_f2 - ss63_f3 - ss63_f5 - ss63_f7 -	Dawson Canyon and Wyandot Formations: Structure Depth Map, Petrel Member, Dawson Canyon Formation Isopach Map, Dawson Canyon Formation Structure Depth Map, Wyandot Formation Isopach Map, Wyandot Formation

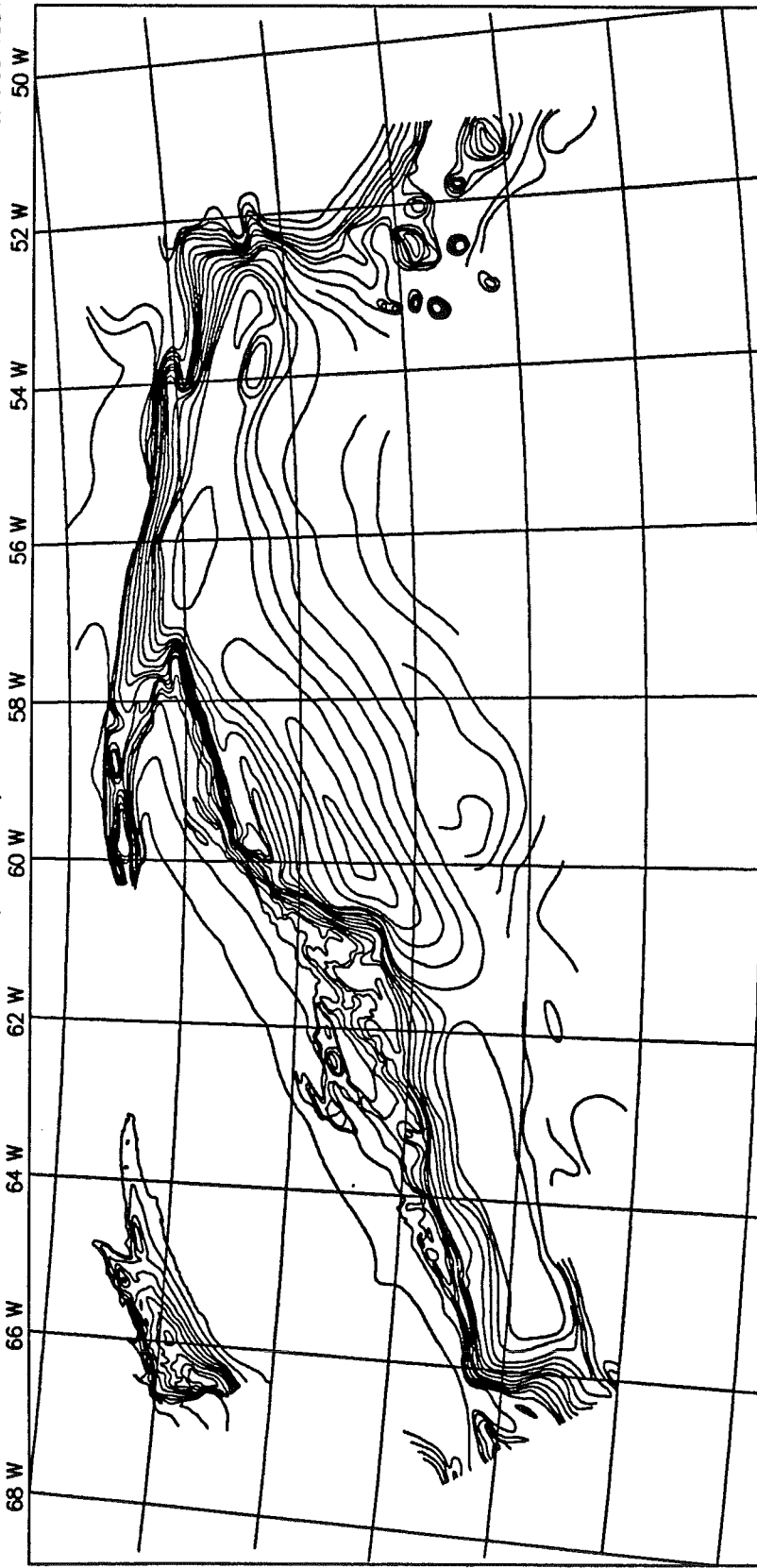
75	B.C. MacLean	ss75_map -	Depth to Pre-Mesozoic Basement and Oceanic Layer 2
77	B.C. MacLean	ss77_map -	Depth to Scatarie Member and Oceanic Horizon J2
79	B.C. MacLean	ss79_map -	Depth to Top of Jurassic and Oceanic Horizon J1
81	B.C. MacLean	ss81_map -	Depth to "O" Marker & Oceanic Horizon B
83	B.C. MacLean	ss83_map -	Depth to Petrel Marker
85	B.C. MacLean	ss85_map -	Depth to Wyandot Formation & Oceanic Horizon A
87	B.C. MacLean	ss87_map -	Isopach Map of Top of Jurassic to Basement and Oceanic Horizon J1 to Layer 2
89	B.C. MacLean	ss89_map -	Isopach Map of Top Jurassic to Scatarie Member & Oceanic Horizons J1 to J2
91	B.C. MacLean	ss91_map -	Isopach Map of "O" Marker to Top of Jurassic and Oceanic Horizons B to J1
93	B.C. MacLean	ss93-map -	Isopach Map of Petrel Marker to "O" Marker
95	B.C. MacLean	ss95_map -	Isopach Map of Wyandot Formation to Petrel Marker





Nov 13 15:43:59 1991

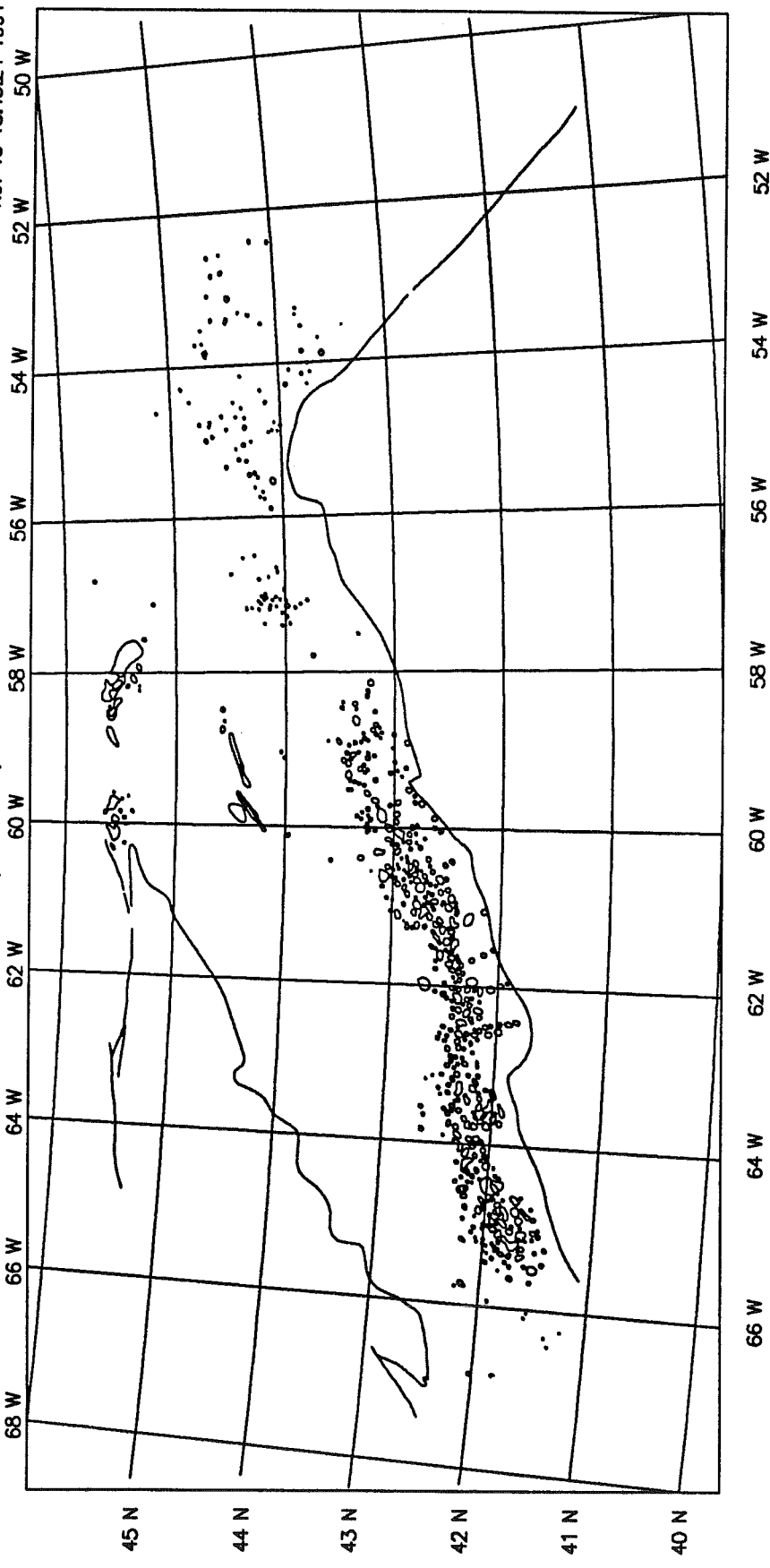
SS55_F1.CON STRUCTURE DEPTH MAP: PRE-MESOZOIC BASEMENT (OTHER DATA)



66 W 64 W 62 W 60 W 58 W 56 W 54 W 52 W

Lambert 6988319. at 41.00-45.00

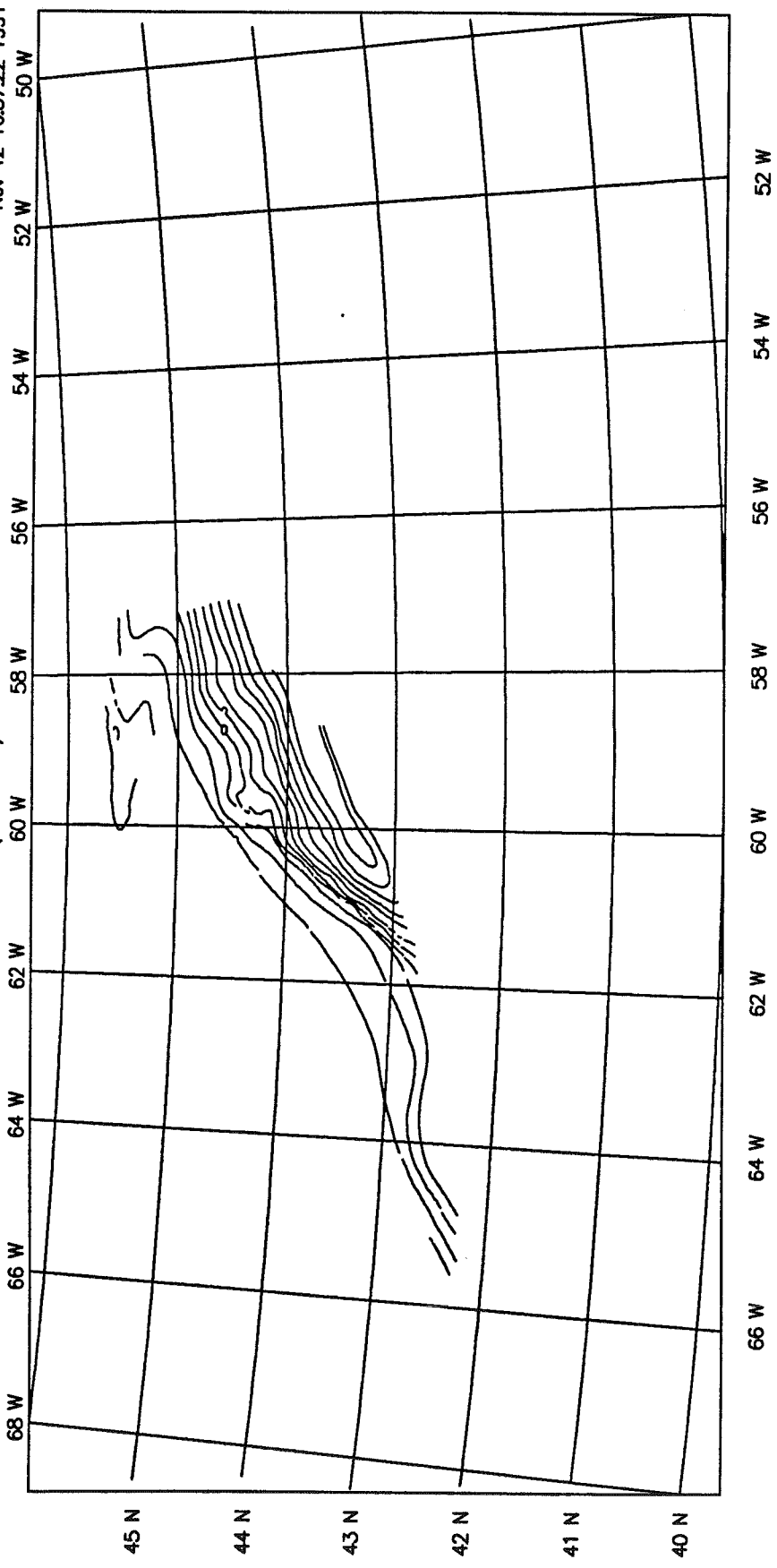
SS55_F1 ADD STRUCTURE DEPTH MAP: PRE-MESOZOIC BASEMENT (OTHER DATA) Nov 13 15:43:24 1991



66 W 64 W 62 W 60 W 58 W 56 W 54 W 52 W
Lambert 6988319. at 41.00-45.00

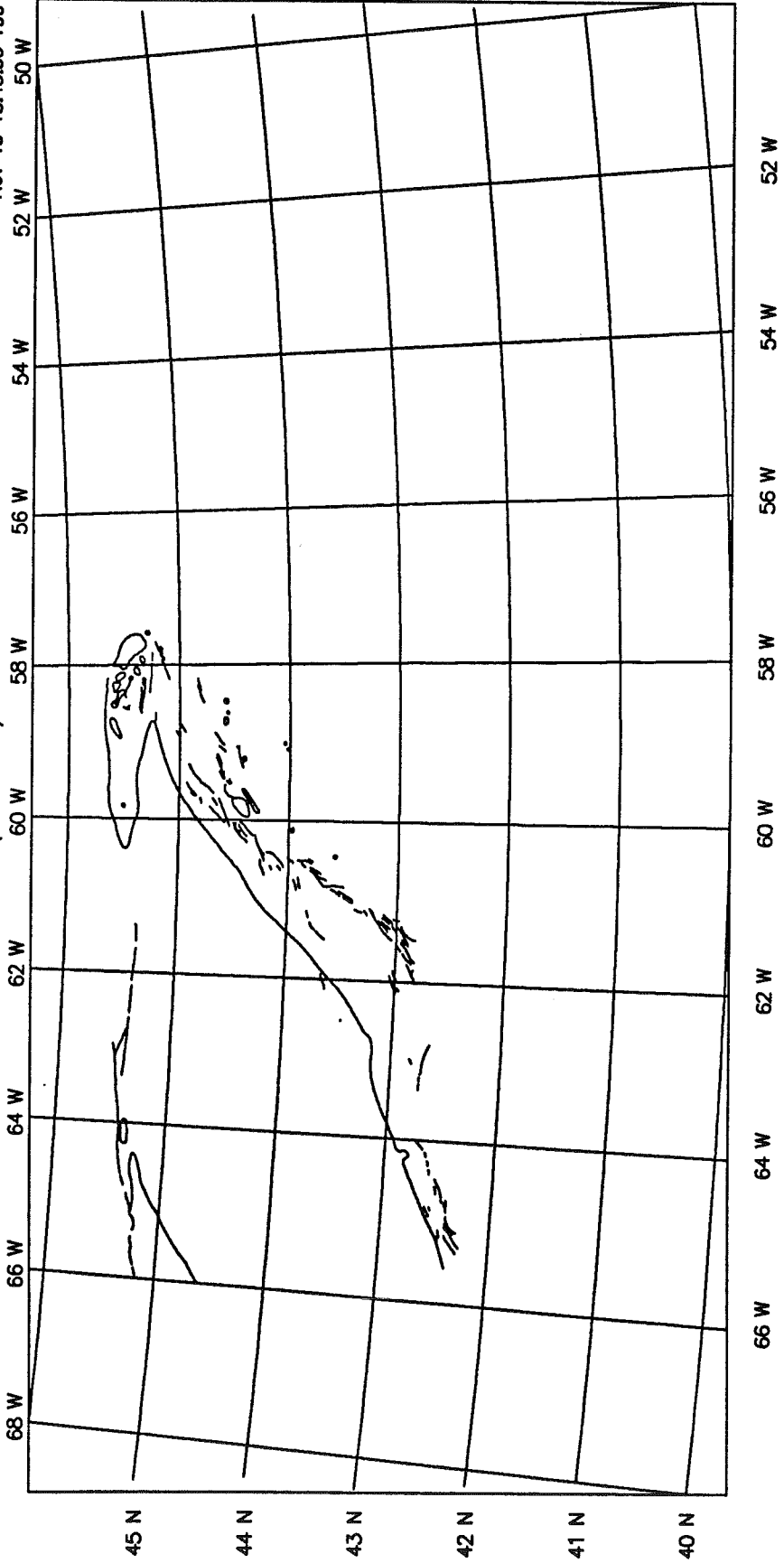
SS55_F6.CON STRUCTURE DEPTH MAP; MOHECAN FM AND EQUIVALENT (CONTOURS)

Nov 12 16:37:22 1991



Lambert 6988319. at 41.00-45.00

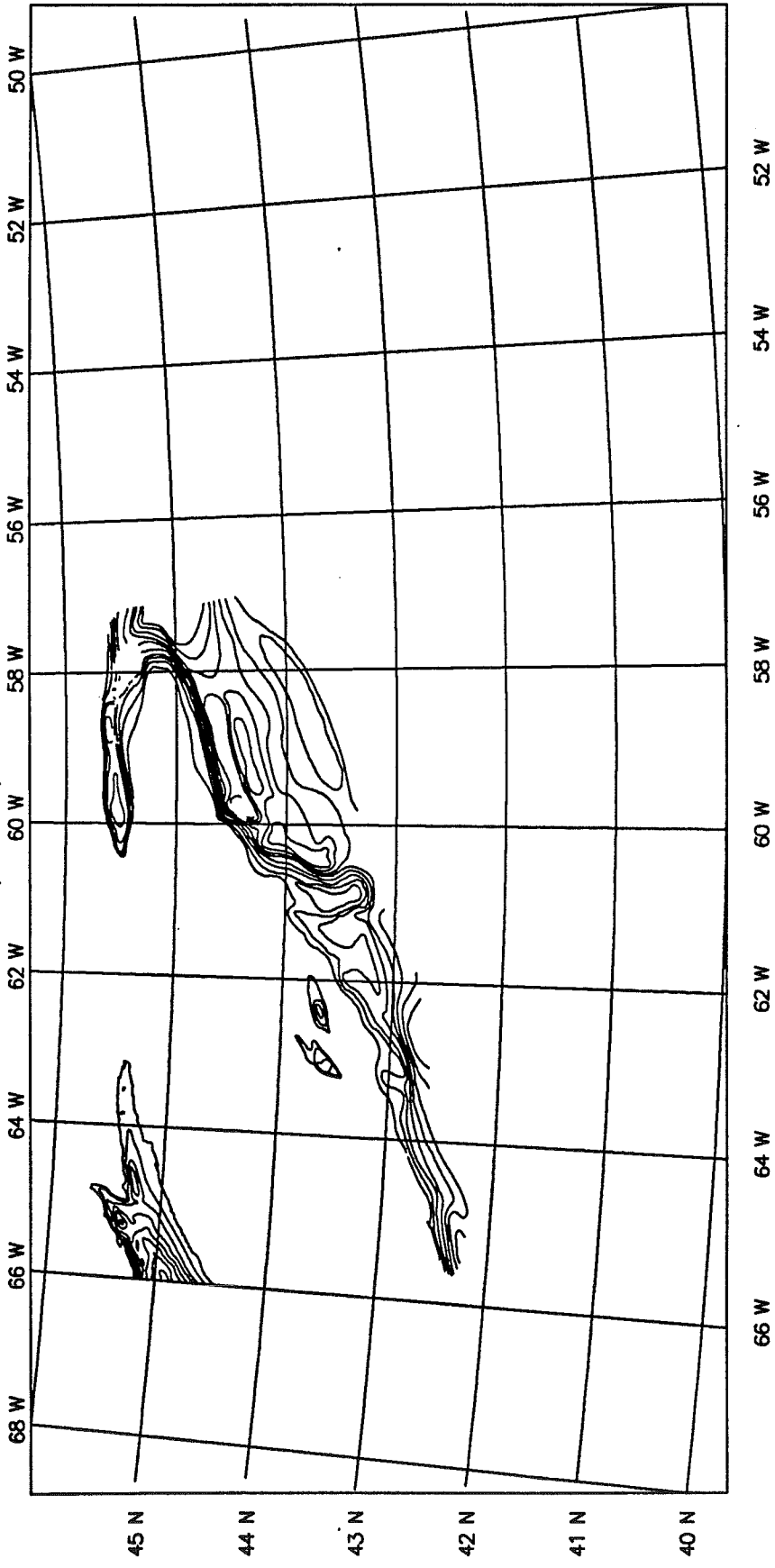
SS55_F6.ADD STRUCTURE DEPTH MAP: MOHECAN FM AND EQUIVALENT (OTHER DATA) Nov 13 15:45:06 1991



Lambert 6988319. at 41.00-45.00

Nov 12 16:23:28 1991

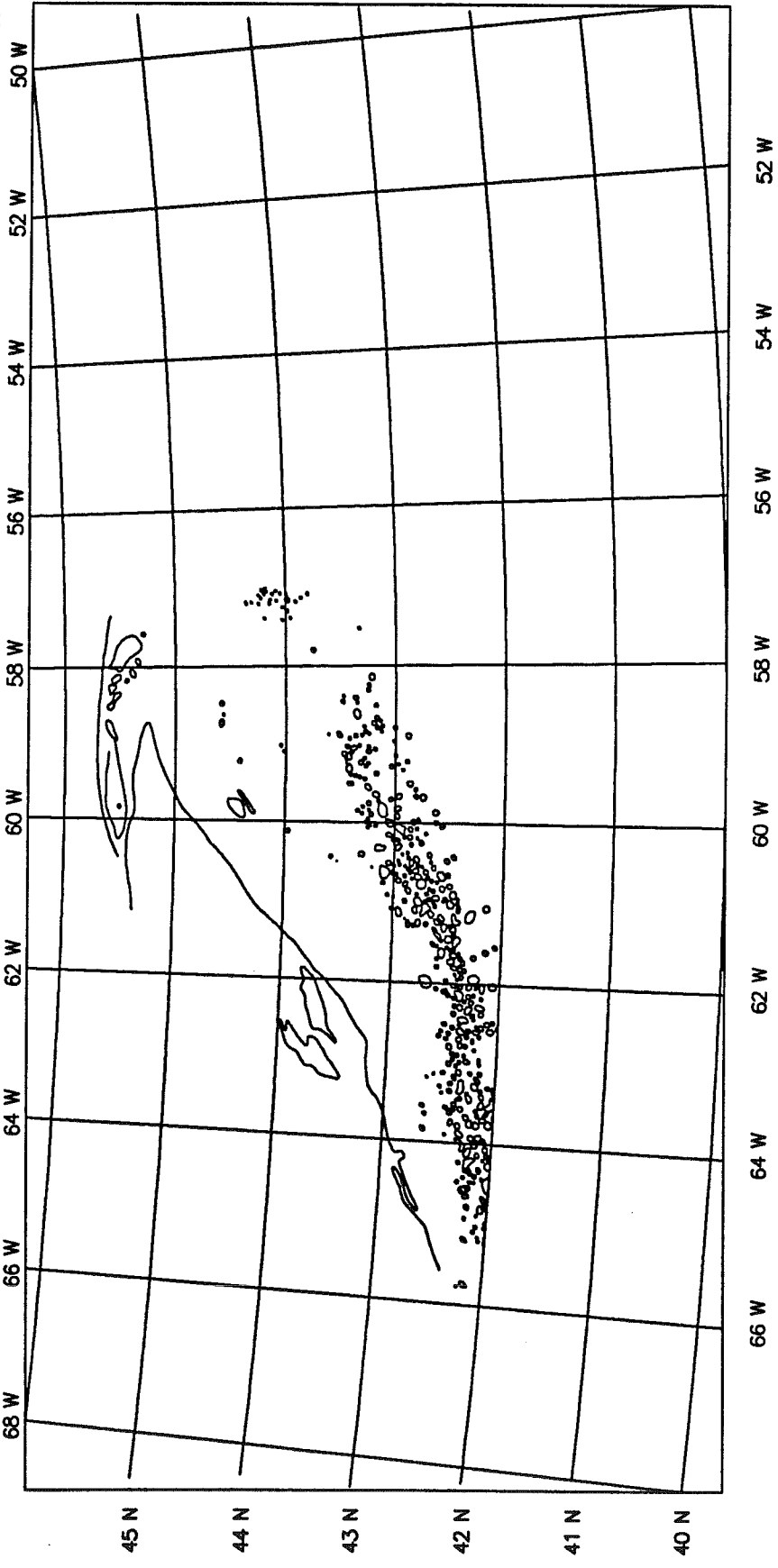
SS55_F7.CON ISOPACH MAP; TOP OF MOHECAN FM TO BASEMENT (CONTOURS)



Lambert 6988319. at 41.00-45.00

SS55_F7.ADD ISOPACH MAP ; TOP OF MOHECAN FM TO BASEMENT (OTHER DATA)

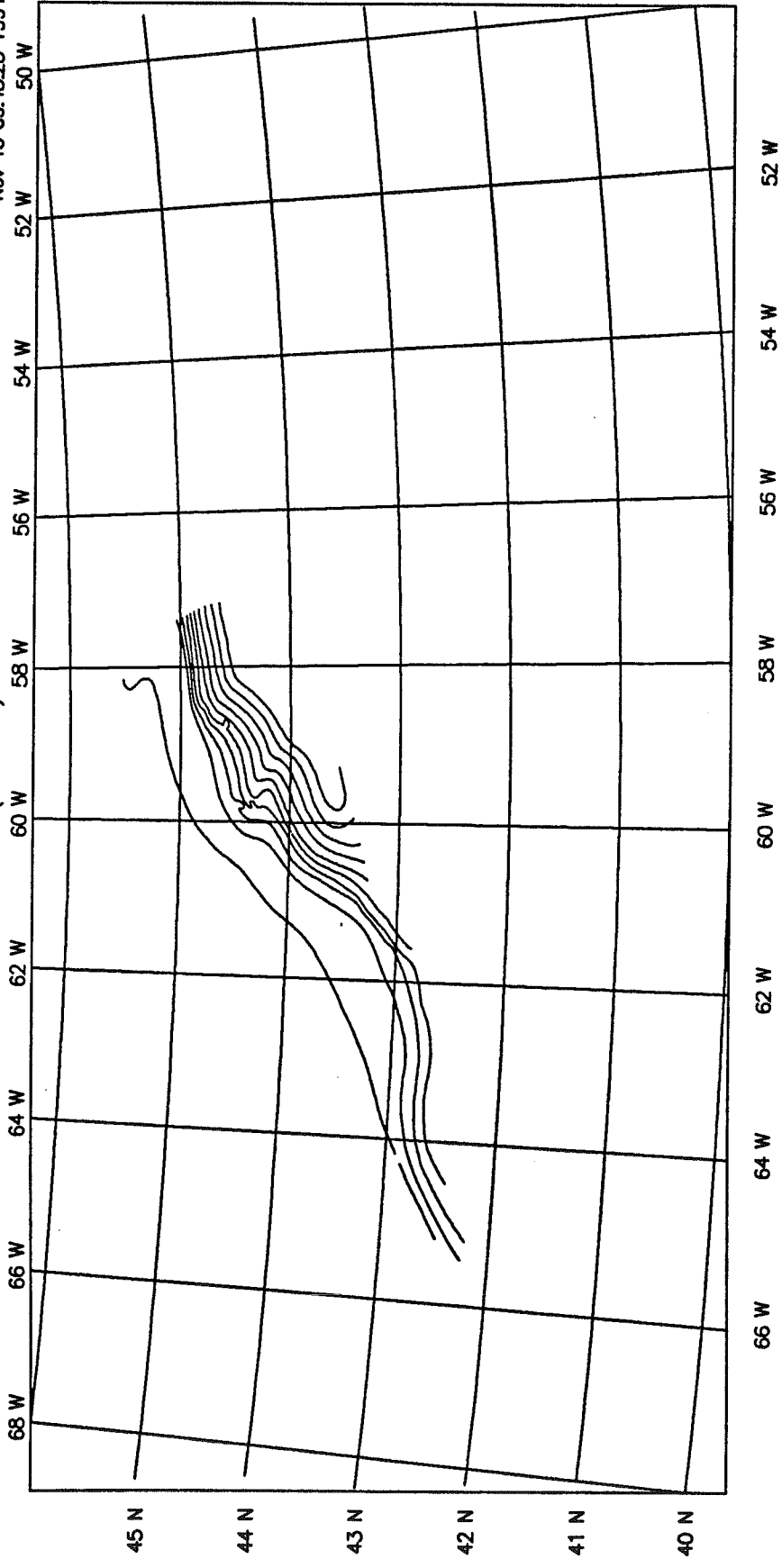
Nov 12 16:48:27 1991



Lambert 6988319. at 41.00-45.00

SS57_F5.CON STRUCTURE DEPTH MAP, ABENAKI FM, MICMAC FM & EQUIV. (CONTOURS)

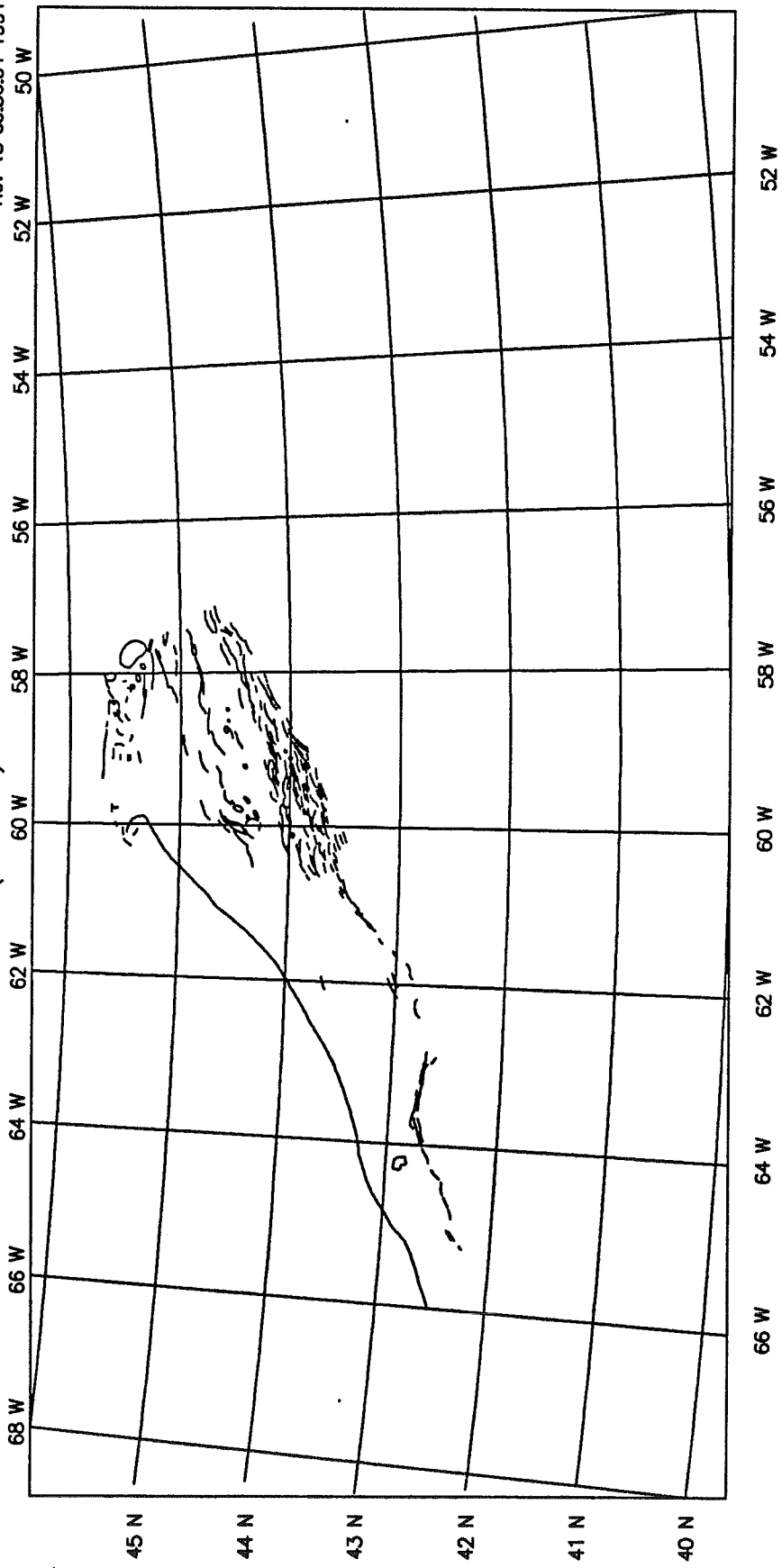
Nov 13 09:43:23 1991



Lambert 6988319. at 41.00-45.00

SS57_F5.ADD STRUCTURE DEPTH MAP; MICMAC AND ABENAKI FMS (OTHER DATA)

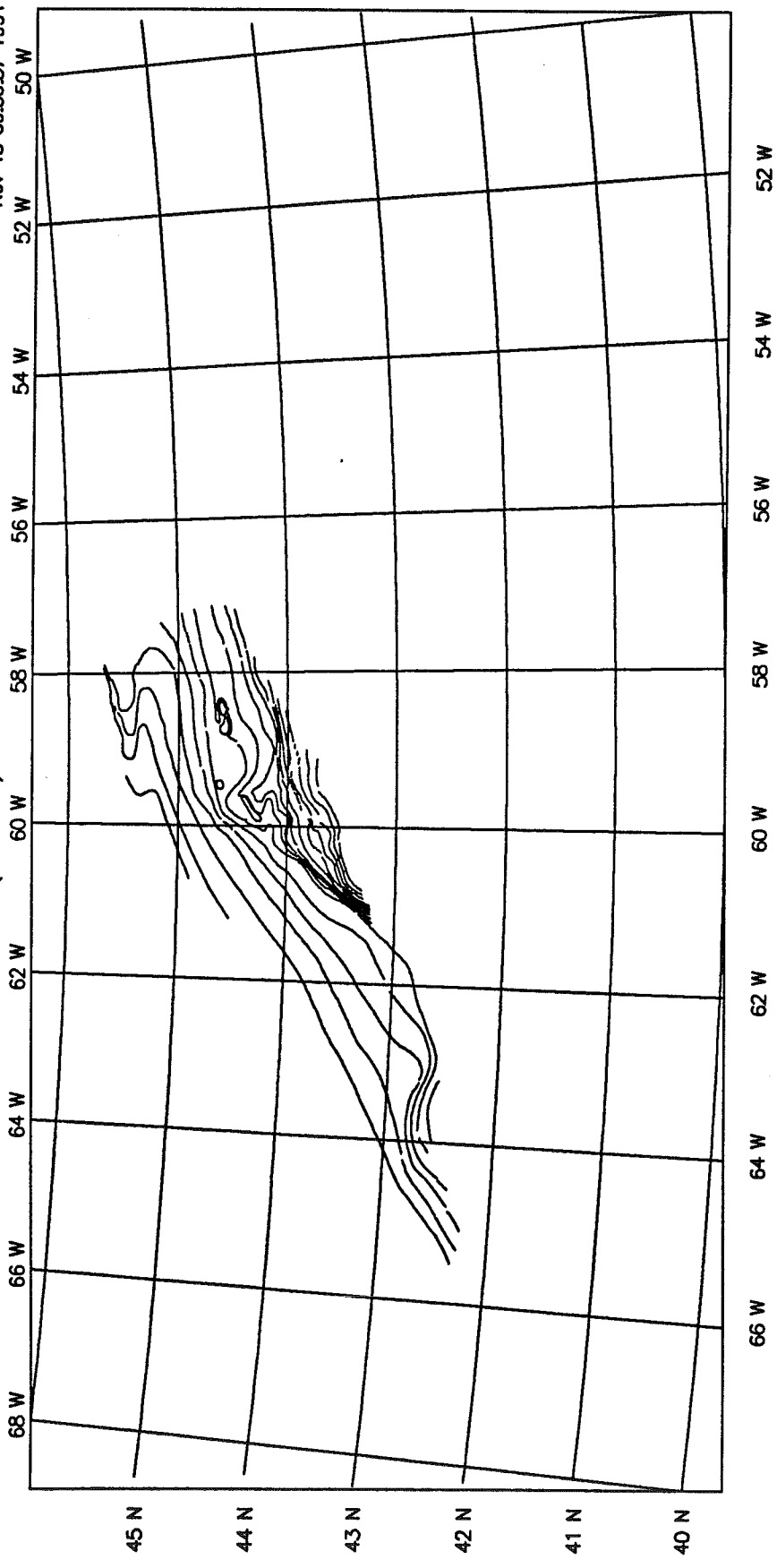
Nov 13 09:36:04 1991



Lambert 6988319. at 41.00-45.00

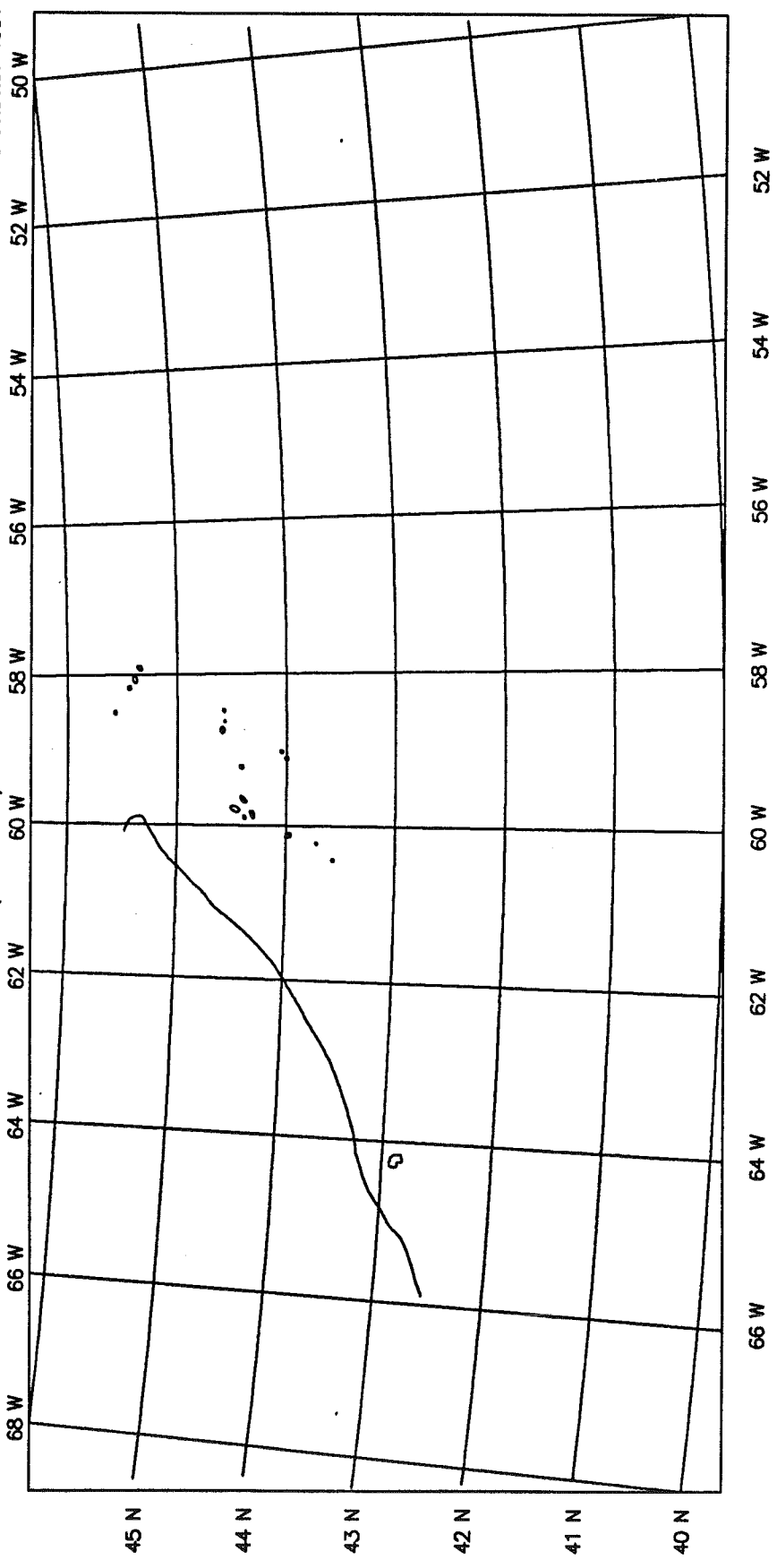
SS57_F5.CON STRUCTURE DEPTH MAP: MICMAC AND ABENAKI FMS (CONTOURS)

Nov 13 09:39:57 1991



Lambert 6988319. at 41.00-45.00

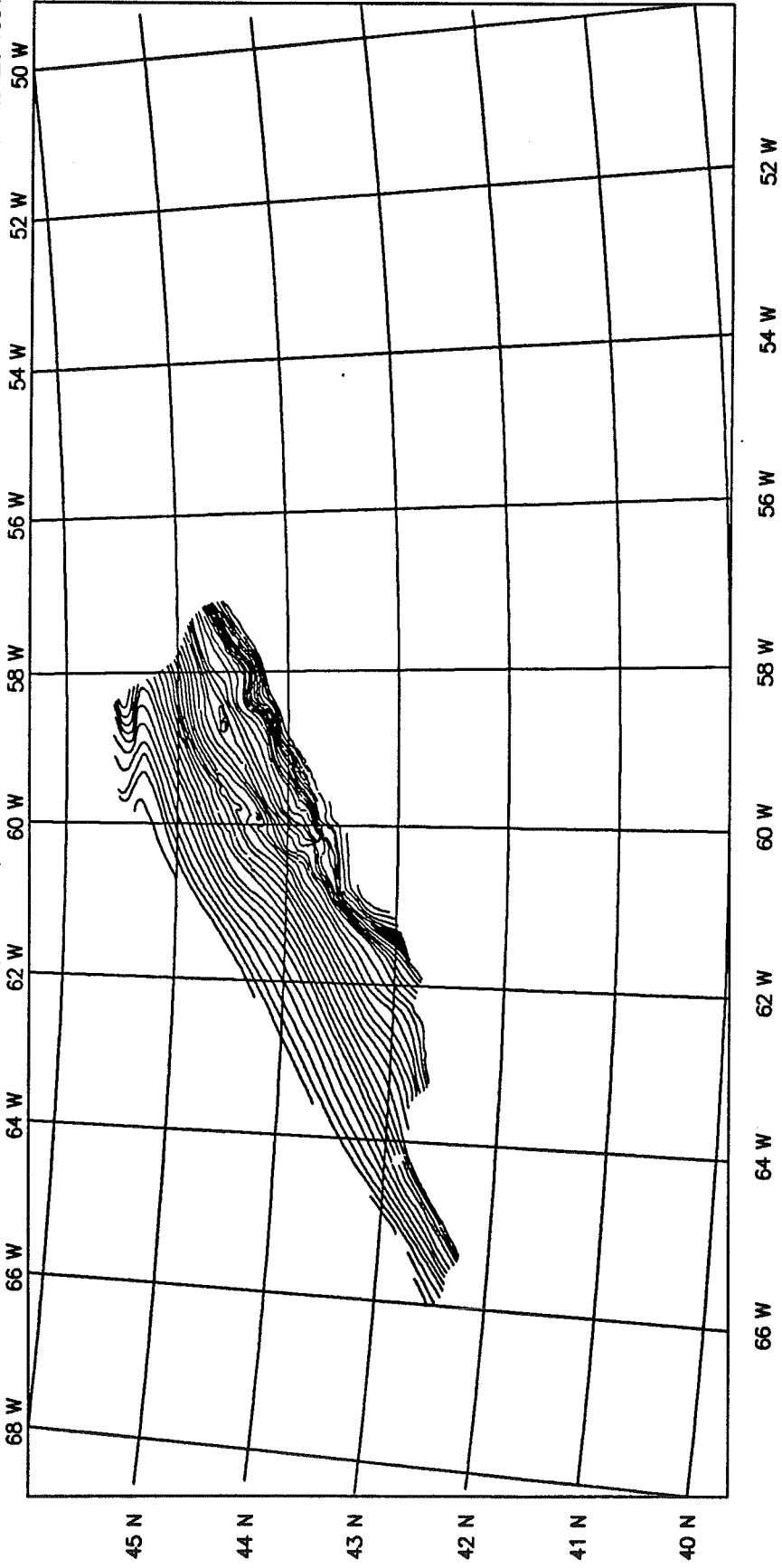
SS57_F7.ADD ISOPACH MAP, ABENAKI FM, MICMAC FM & EQUIV. (OTHER DATA) Nov 13 09:36:57 1991



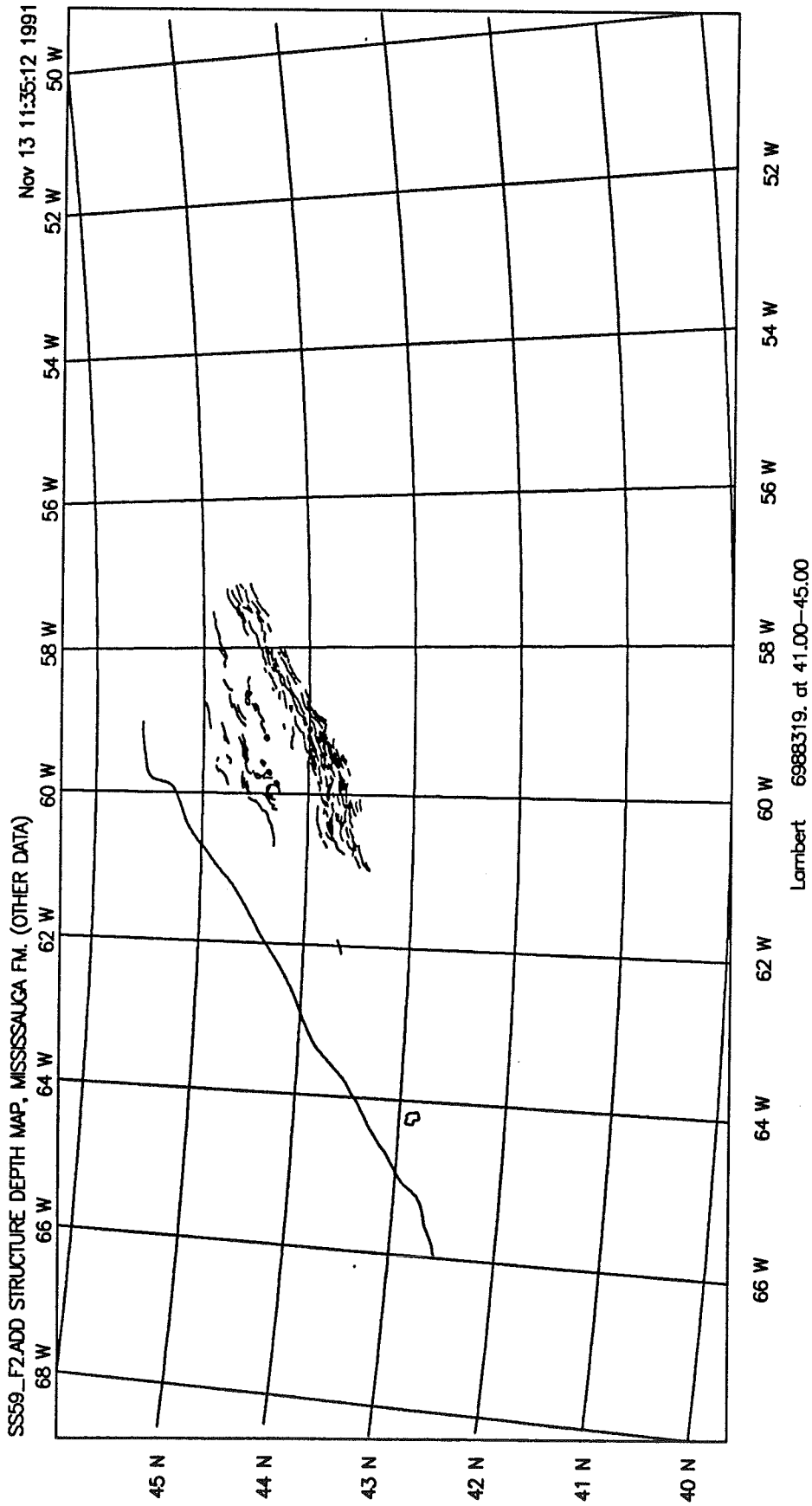
Lambert 6988319. at 41.00-45.00

SS59_F2.CON STRUCTURE DEPTH MAP, MISSISSAUGA FM. (CONTOURS)

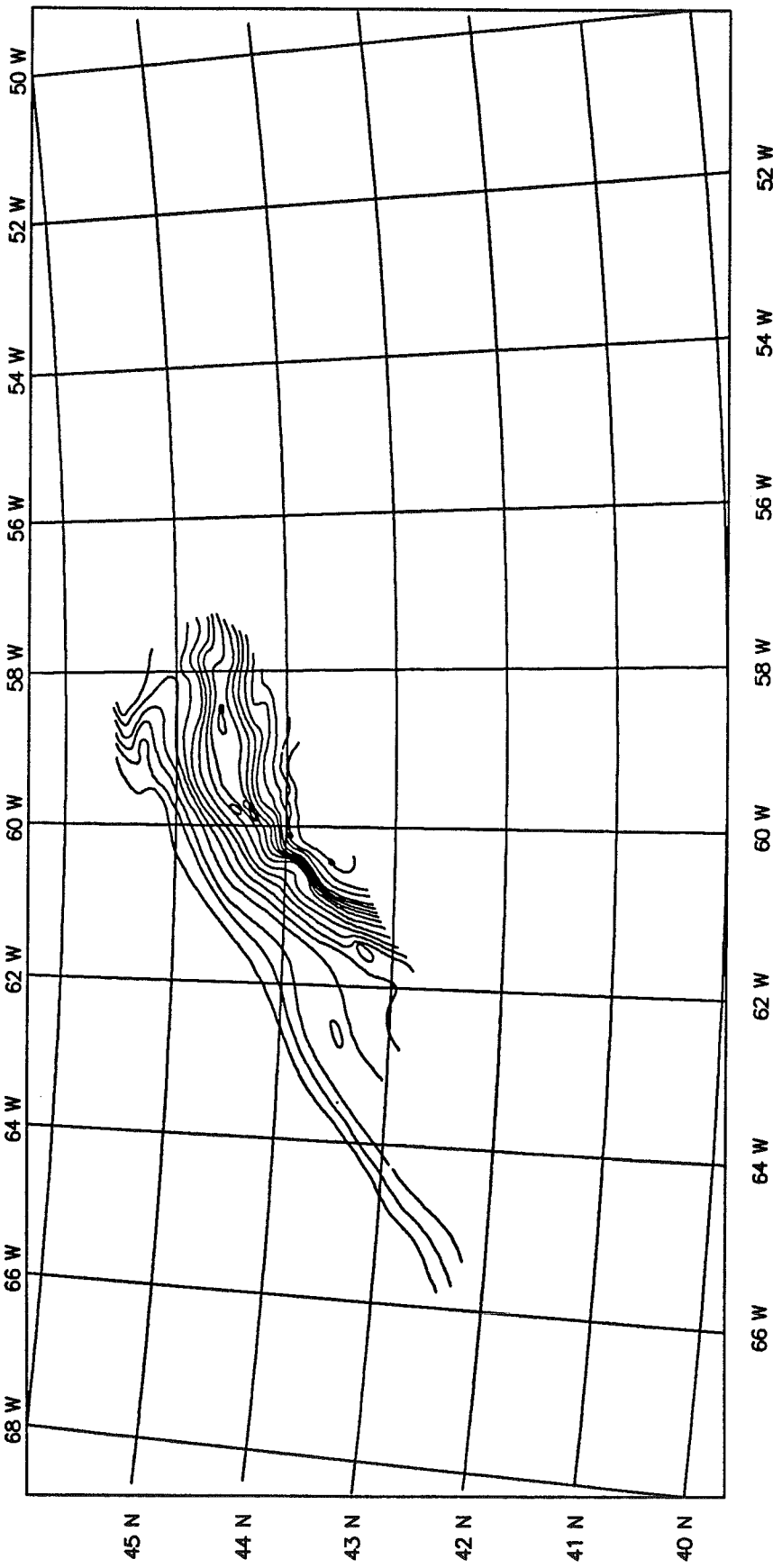
Nov 13 11:54:29 1991



Lambert 6988319. at 41.00-45.00

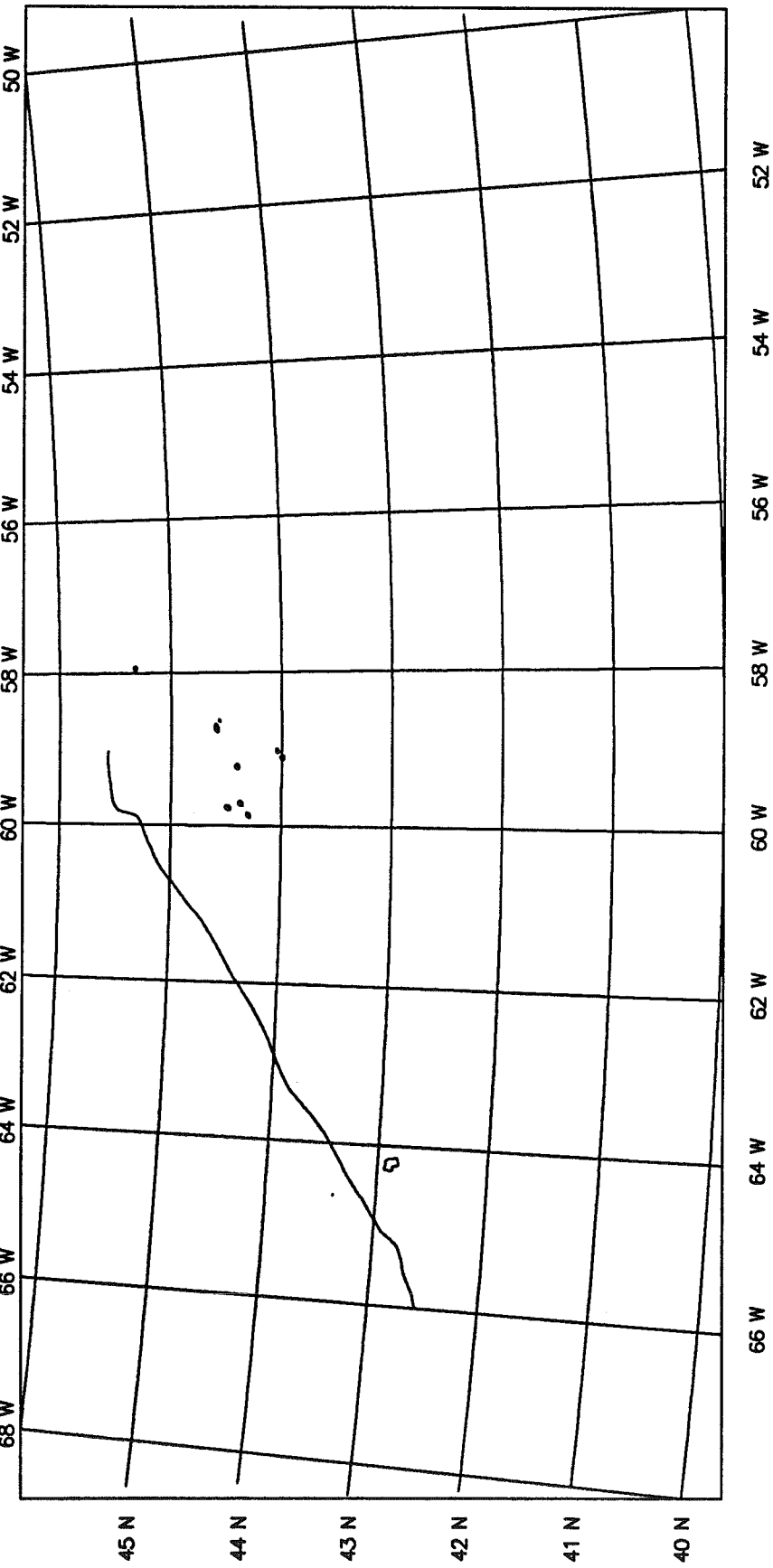


SS59_F6.CON ISOPACH MAP, MISSISSAUGA FM (CONTOURS) Nov 13 11:36:20 1991



Lambert 6988319. at 41.00-45.00

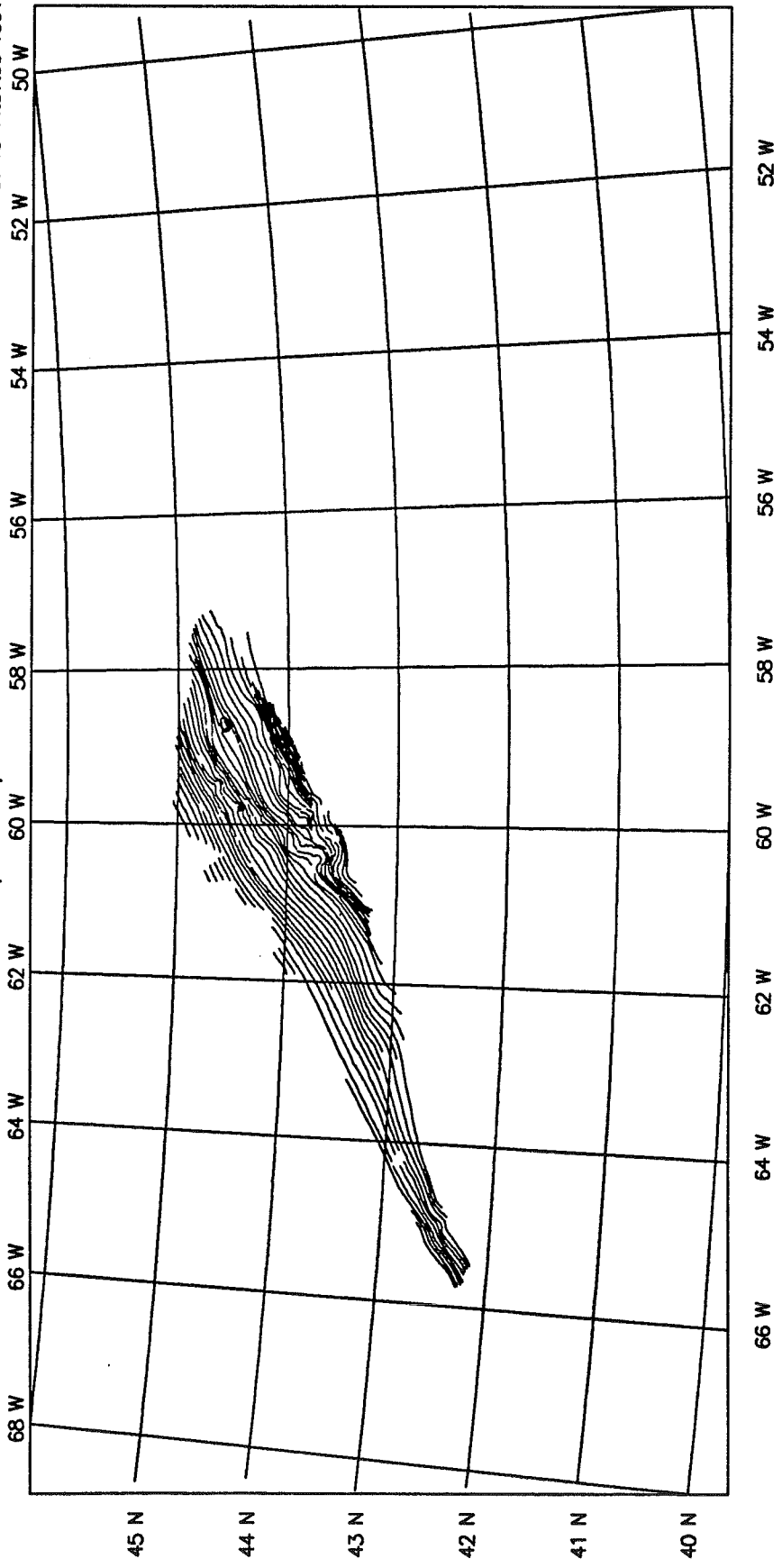
SS59_F6.ADD ISOPACH MAP, MISSISSAUGA FM (OTHER DATA) Nov 13 11:36:07 1991



Lambert 6988319. at 41.00-45.00

SS59_FB.CON STRUCTURE DEPTH MAP, MIDDLE MEMBER MISS. FM (CONTOURS)

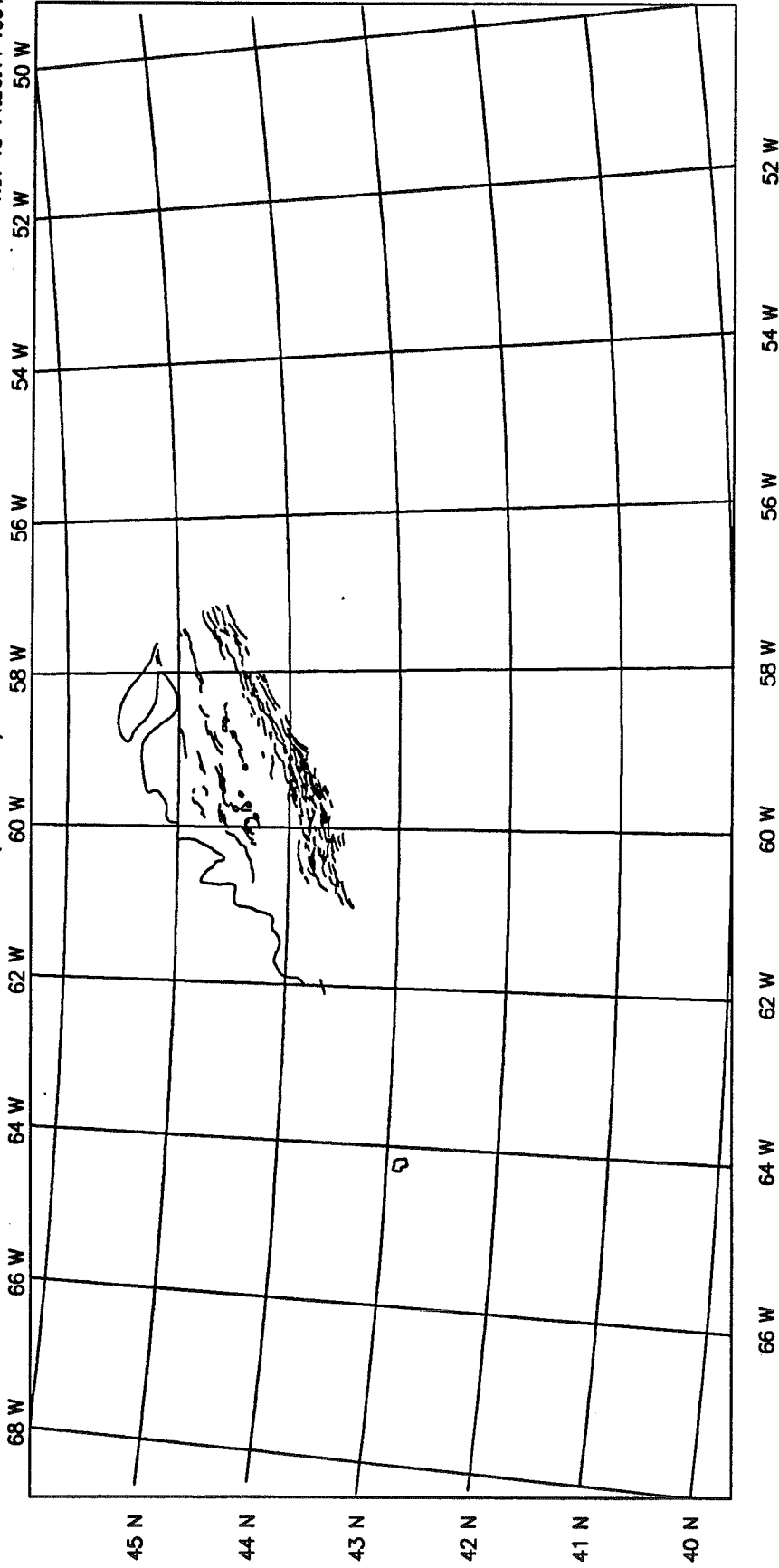
Nov 13 11:37:00 1991



Lambert 6988319. at 41.00-45.00

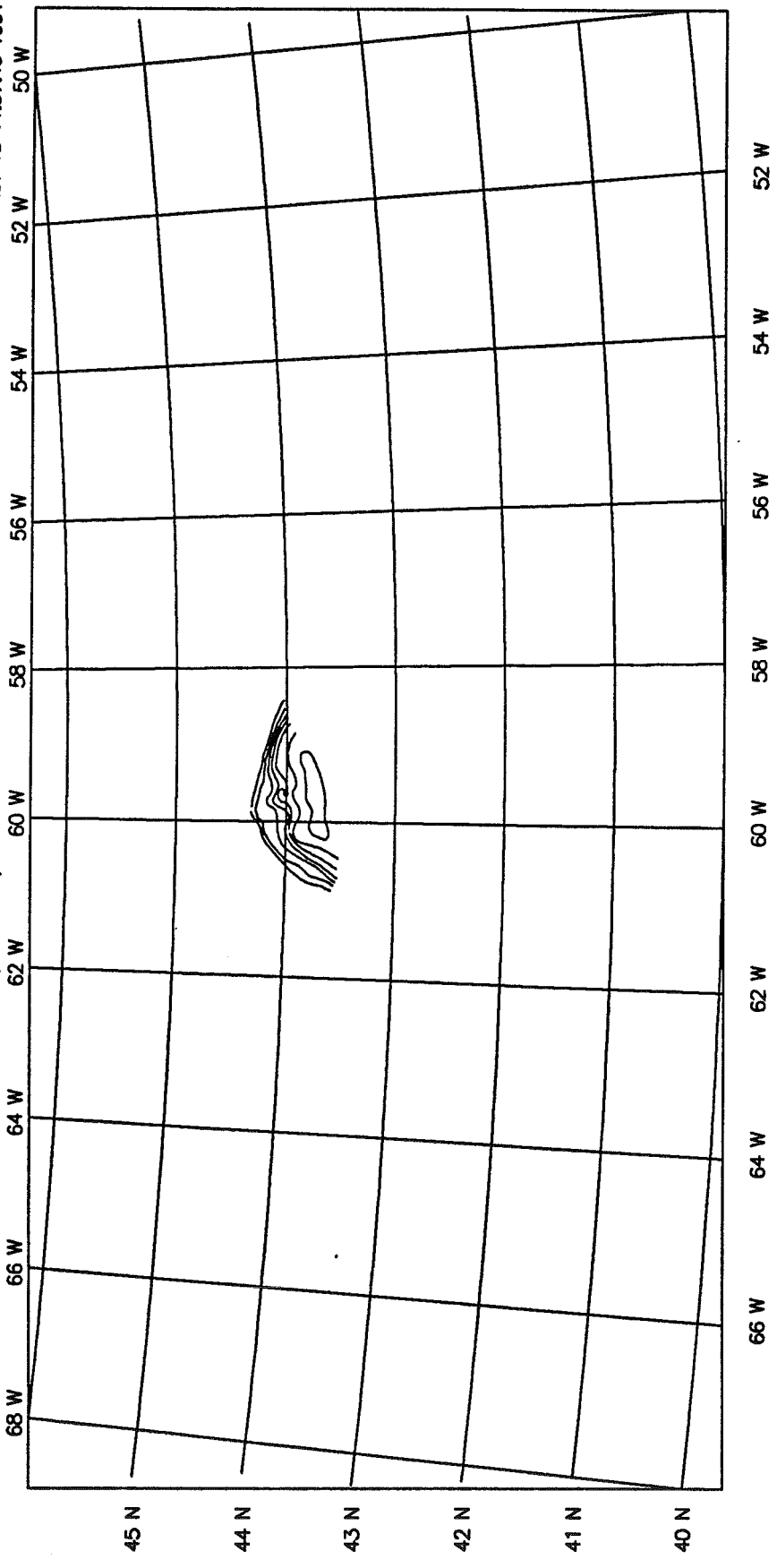
SS59_FB.ADD STRUCTURE DEPTH MAP, MIDDLE MEMBER OF MISS. FM. (OTHER DATA)

Nov 13 11:36:44 1991



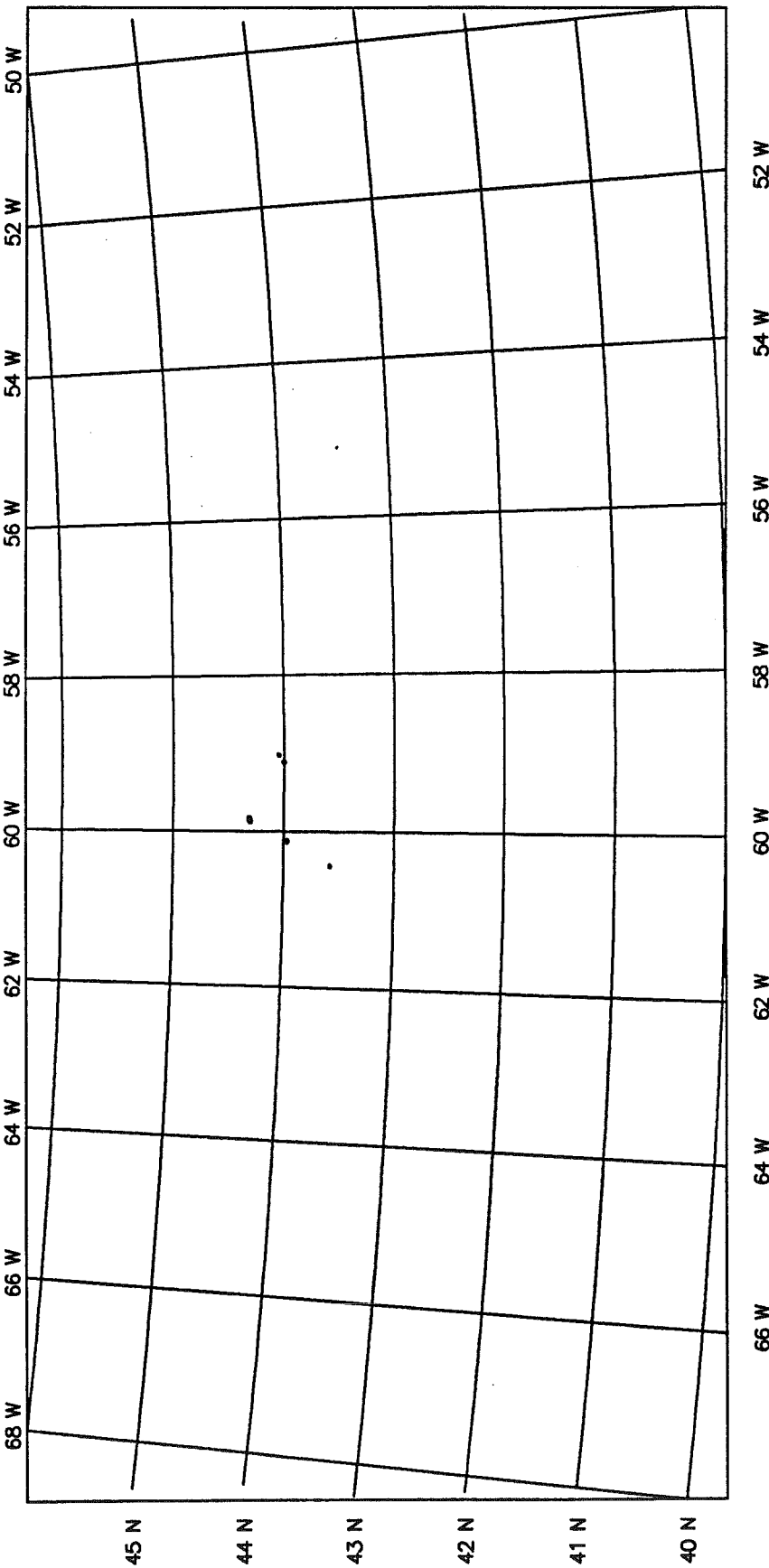
Lambert 6988319. at 41.00--45.00

SS59_F9.CON ISOPACH MAP, LOWER MEMBER MISS. FM (CONTOURS)
Nov 13 11:37:40 1991

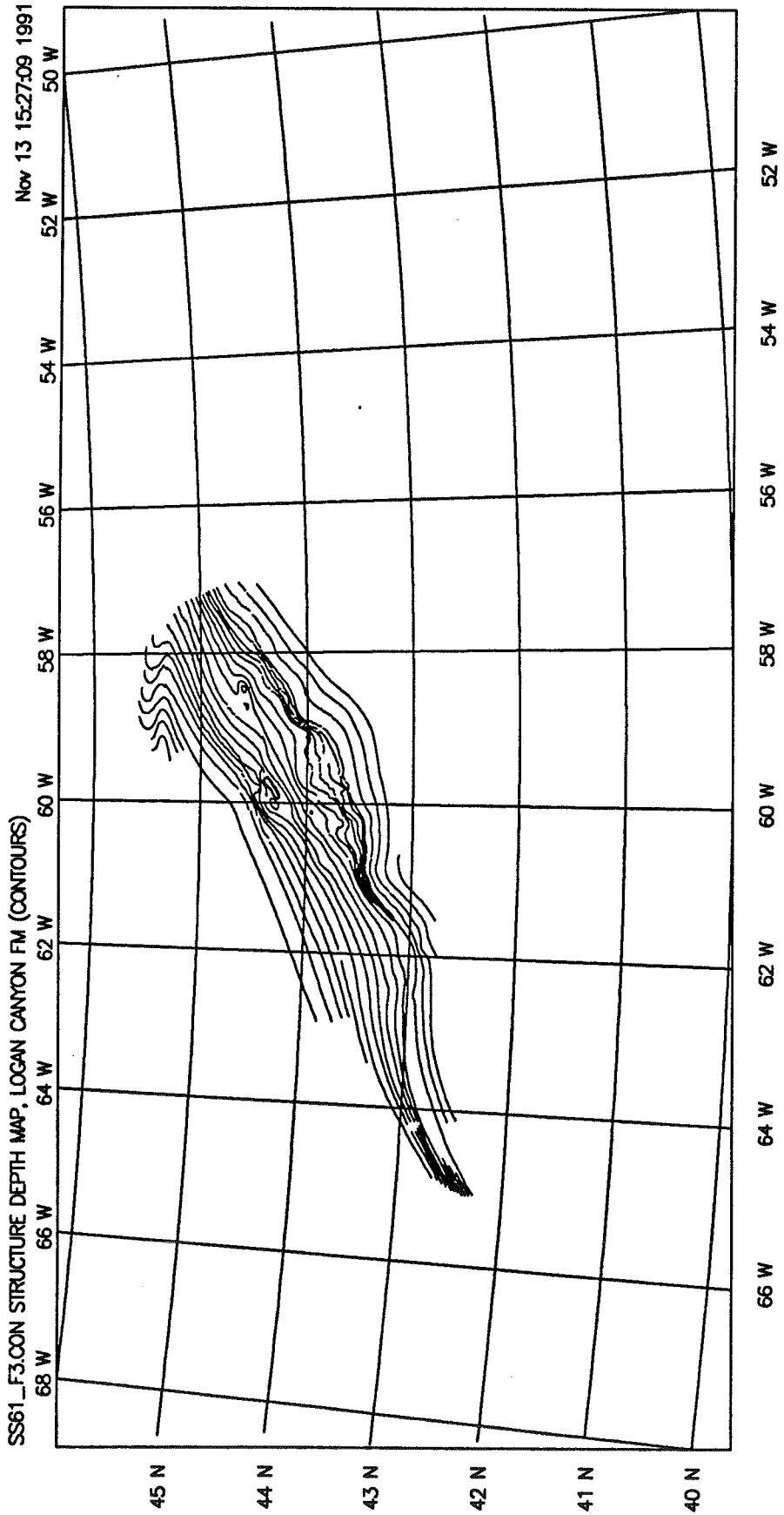


Lambert 6988319. at 41.00-45.00

SS59_F9.ADD ISOPACH MAP, LOWER MEMBER MISS. FM (OTHER DATA) Nov 13 11:37:26 1991

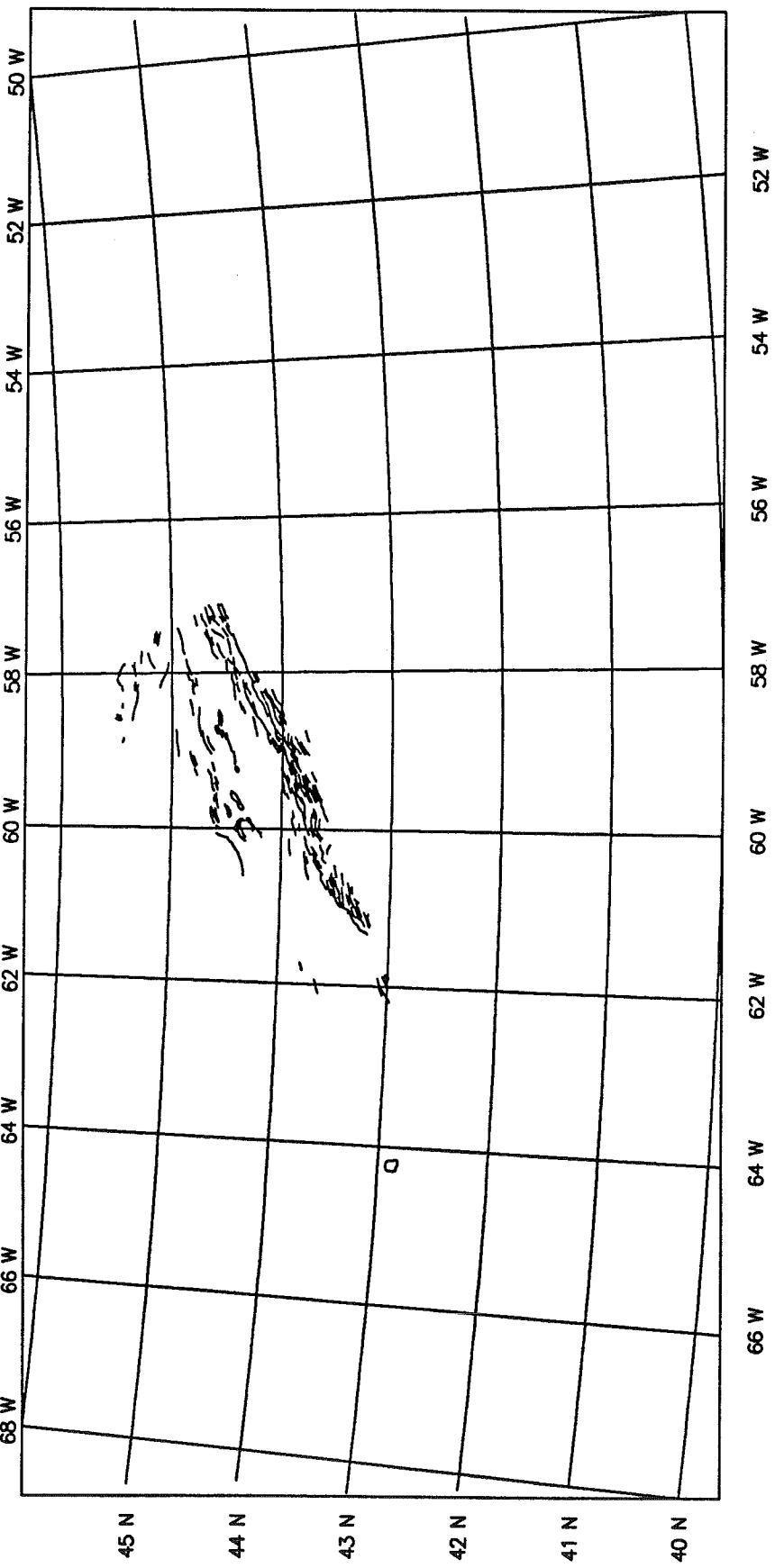


Lambert 6988319. at 41.00-45.00



Lambert 6988319. at 41.00-45.00

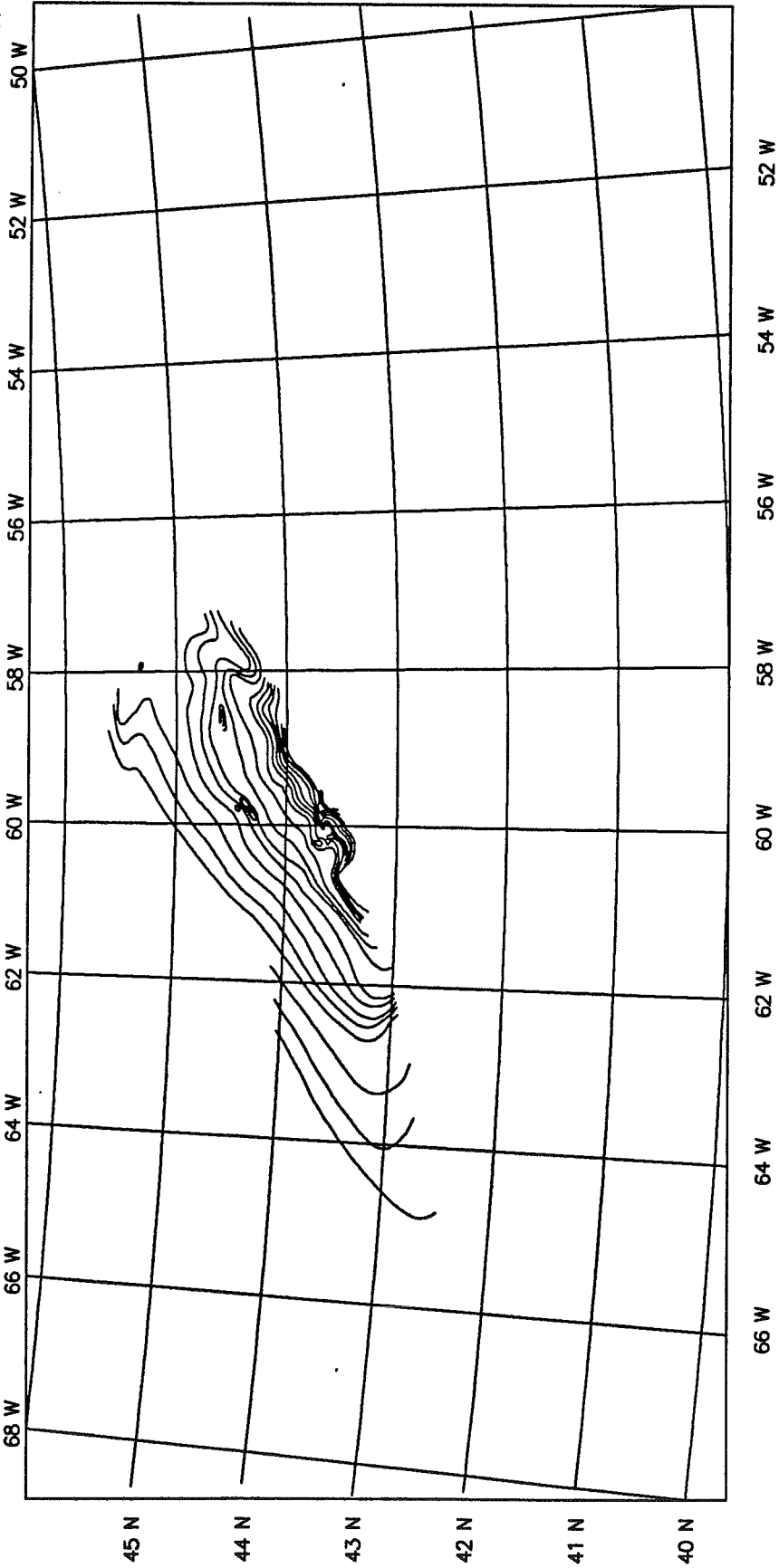
SS61_F3.ADD STRUCTURE DEPTH MAP, LOGAN CANYON FM (OTHER DATA) Nov 13 15:26:39 1991



Lambert 6988319. at 41.00-45.00

SS61_F5.CON ISOPACH MAP, LOGAN CANYON FM (CONTOURS)

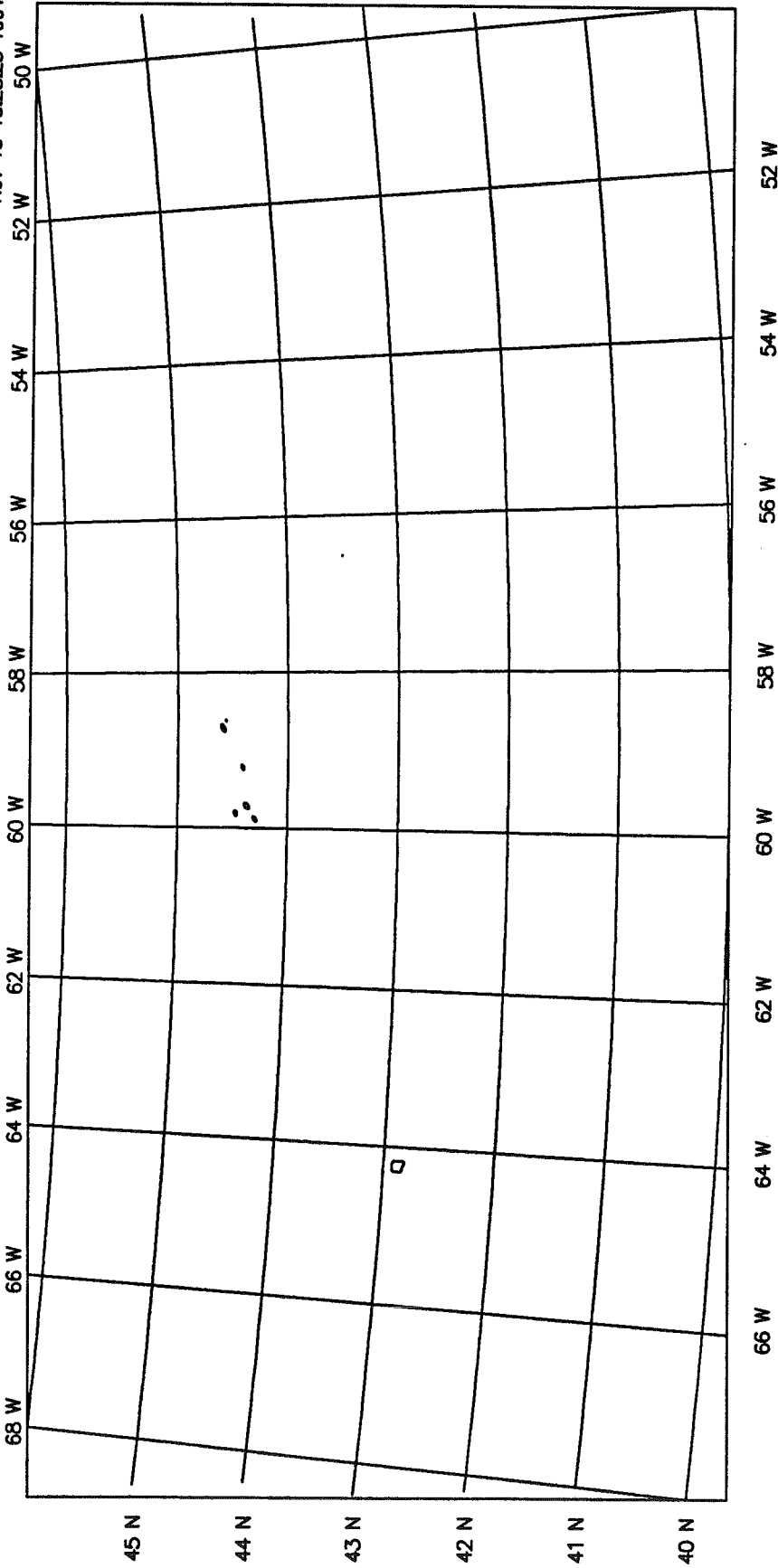
Nov 13 15:28:54 1991



Lambert 6988319. at 41.00-45.00

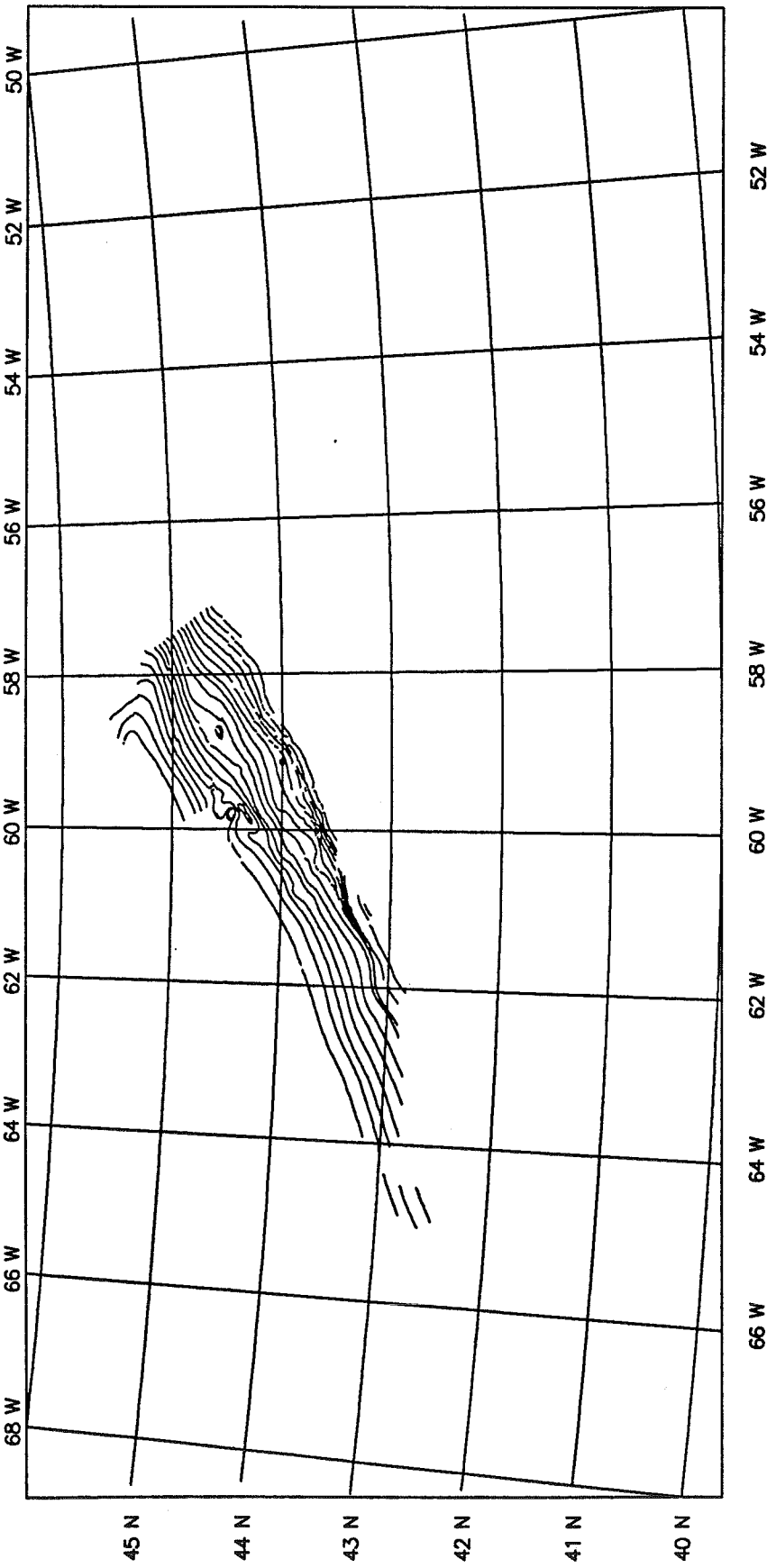
SS61_F5.ADD ISOPACH MAP, LOGAN CANYON FM (OTHER DATA)

Nov 13 15:28:23 1991



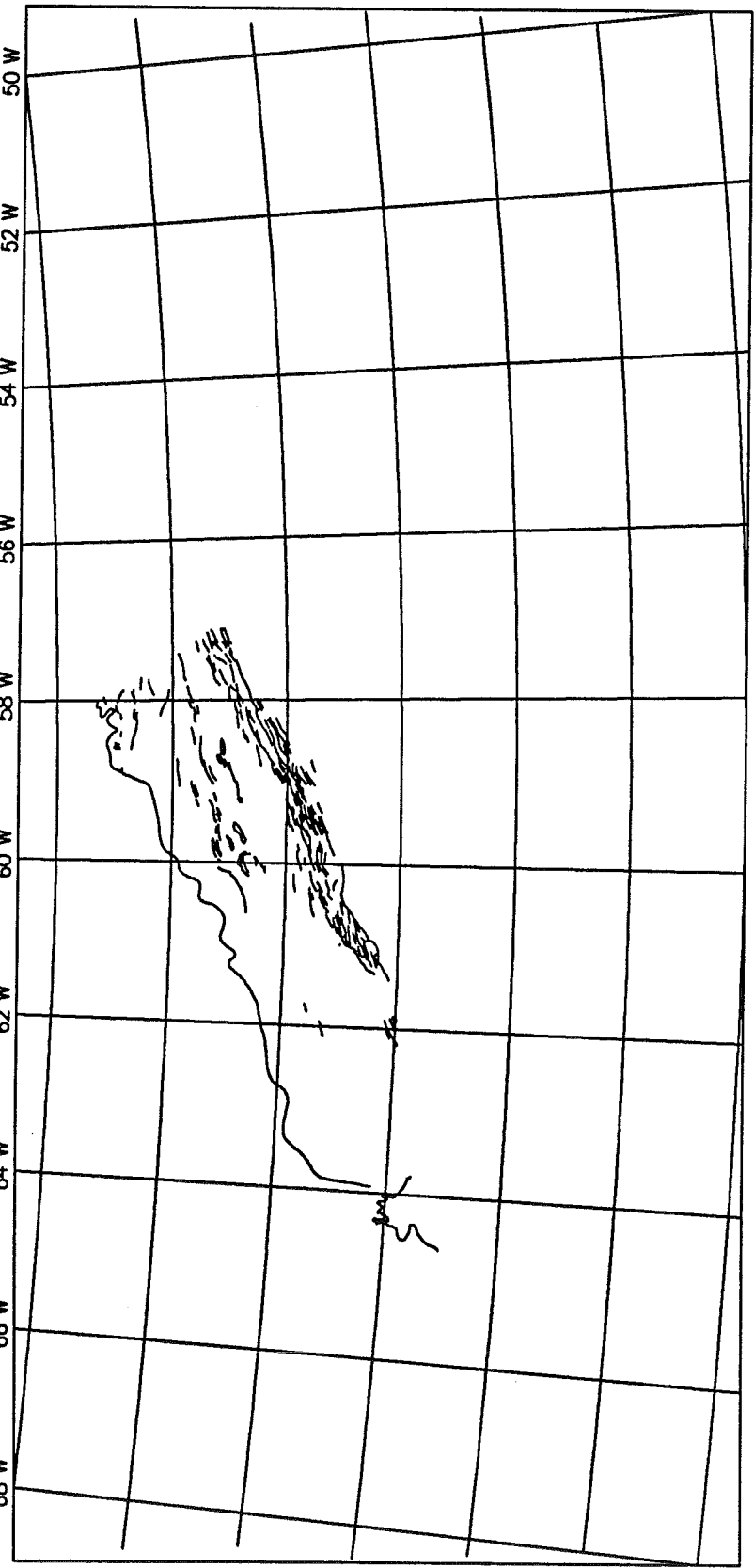
Lambert 6988319. at 41.00-45.00

SS63_F2.CON STRUCTURE DEPTH MAP, PETREL MEMBER, DAWSON CAN. FM (CONTOURS) Nov 13 15:30:22 1991



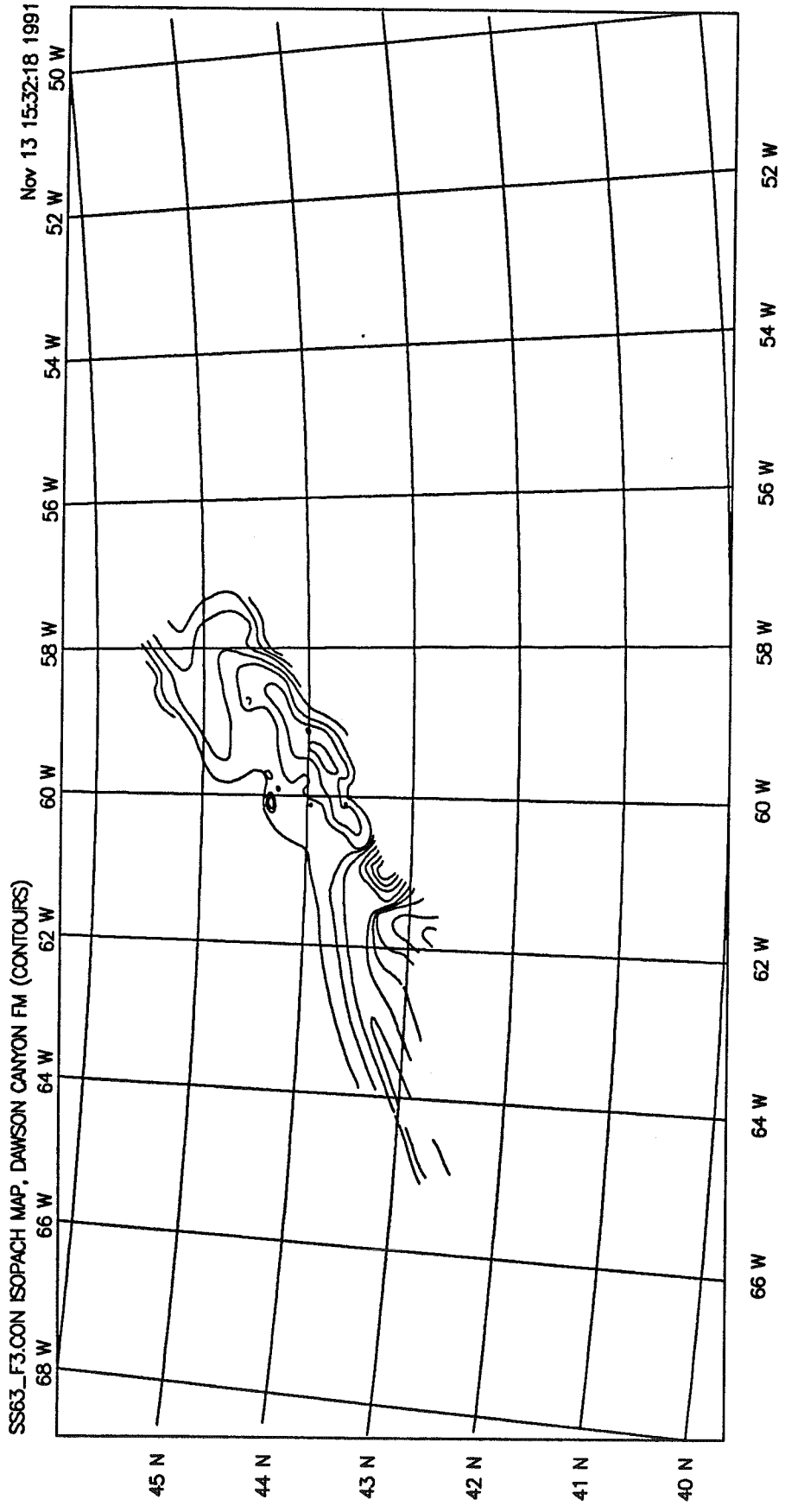
Lambert 6988319. at 41.00--45.00

SS63_F2.ADD STRUCTURE DEPTH MAP, PETREL MEMBER, DAWSON CAN. FM (OTHER DATA) Nov 13 15:29:24 1991



66 W 64 W 62 W 60 W 58 W 56 W 54 W 52 W

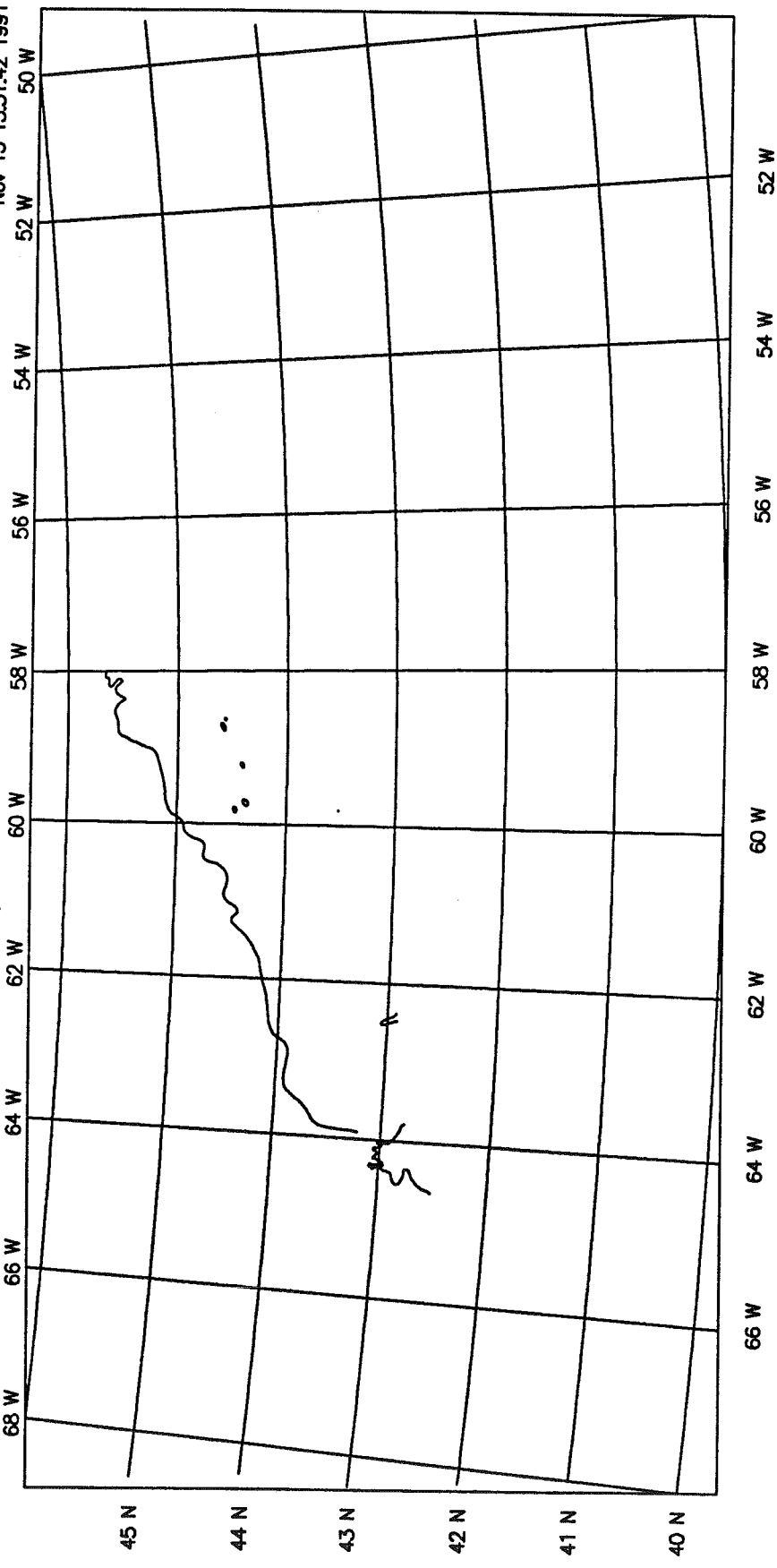
Lambert 6988319. at 41.00-45.00



Lambert 6988319. at 41.00-45.00

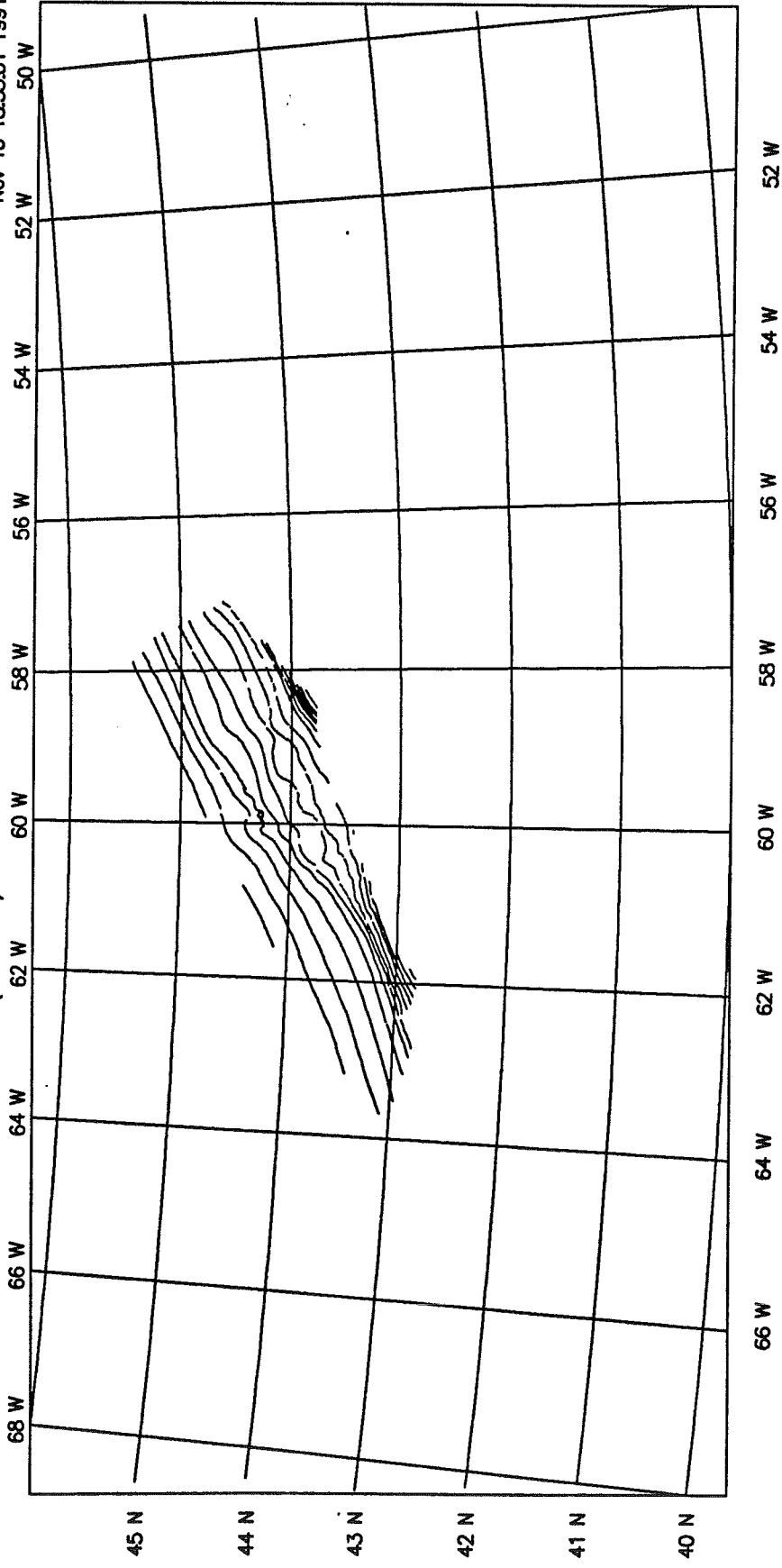
SS63_F3ADD ISOPACH MAP, DAWSON CANYON FM (OTHER DATA)

Nov 13 15:31:42 1991

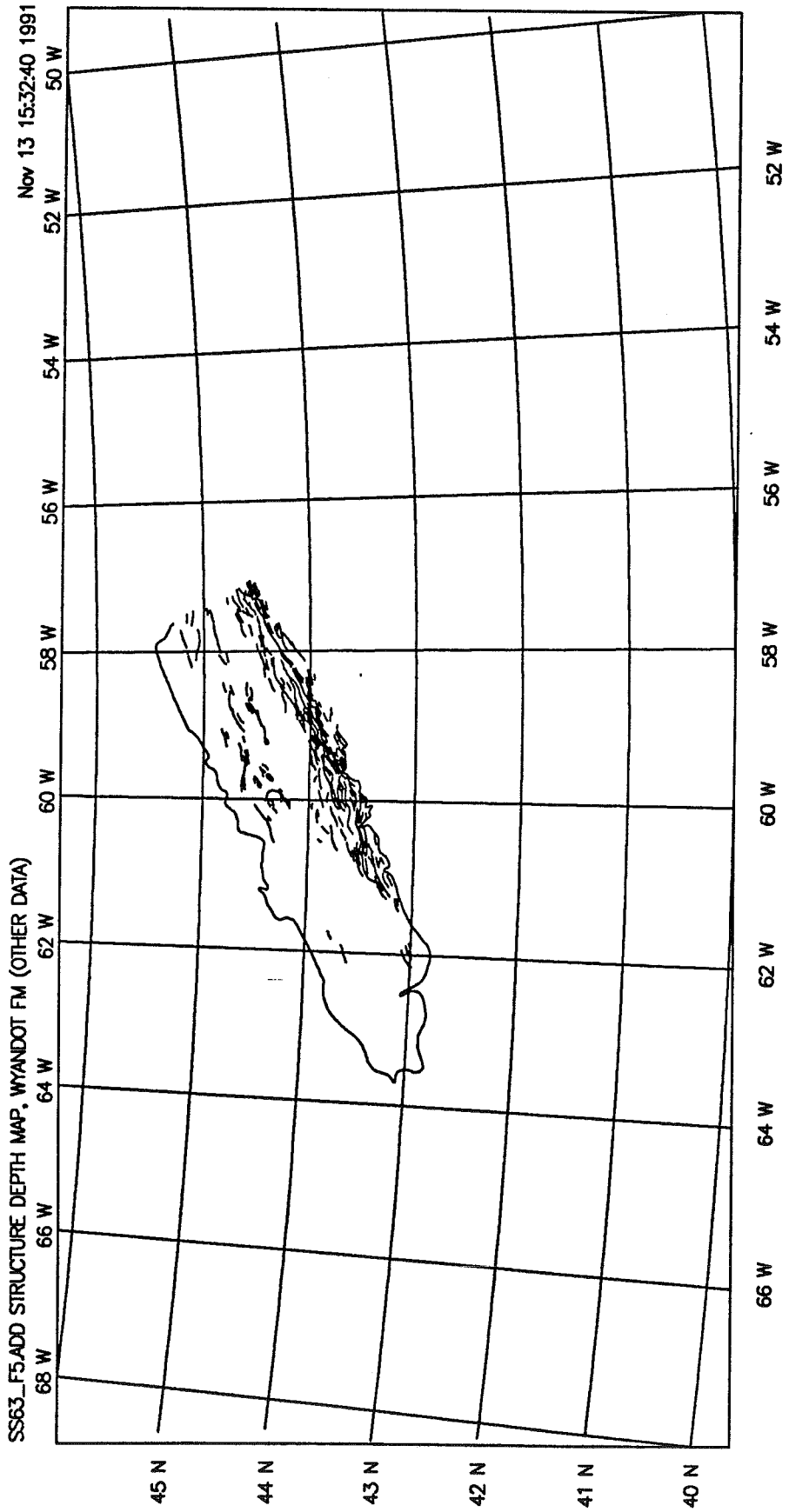


Lambert 6988319. at 41.00-45.00

SS63_F5.CON STRUCTURE DEPTH MAP, WYANDOT FM (CONTOURS) Nov 13 15:33:01 1991

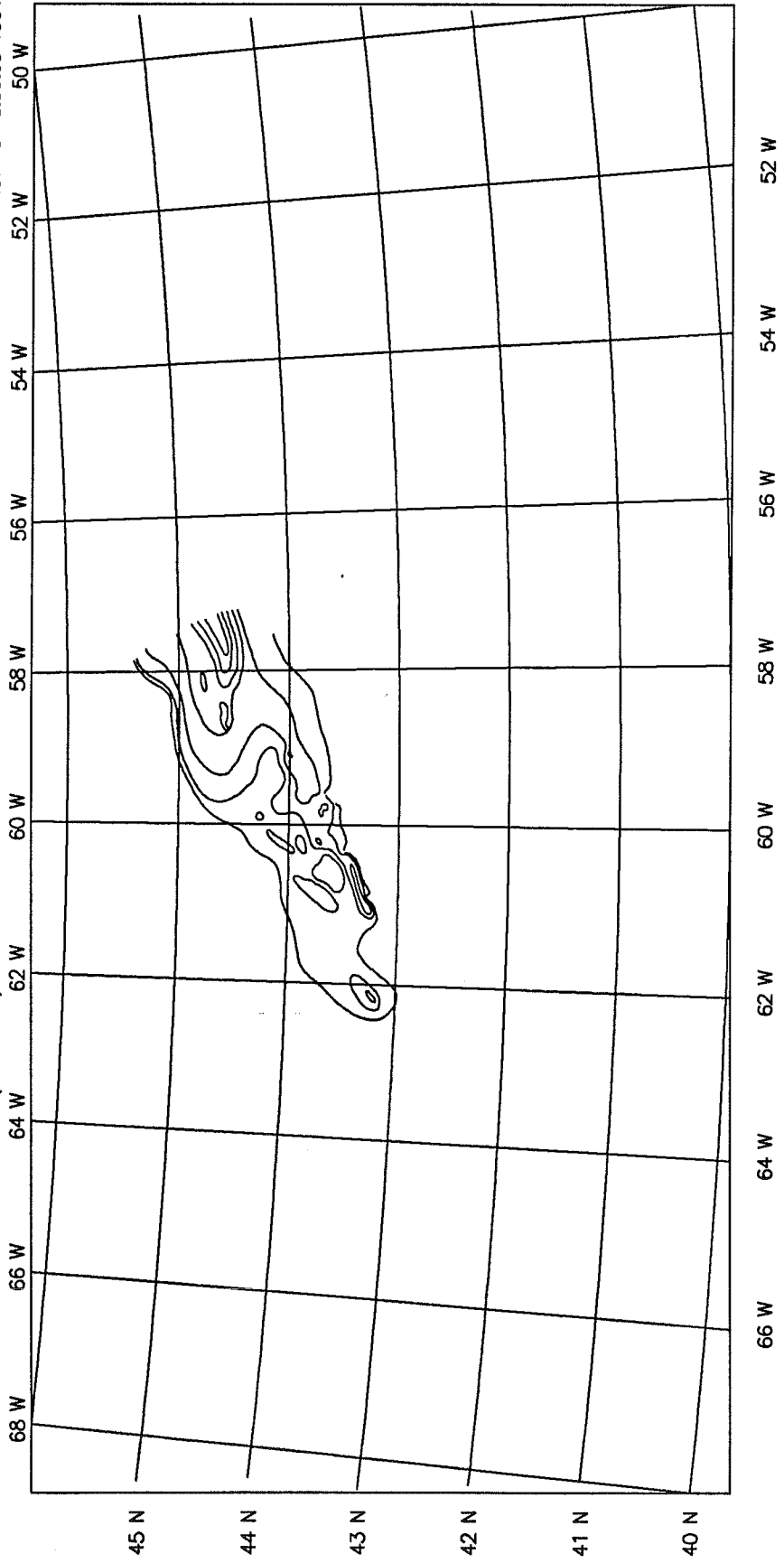


Lambert 6988319. at 41.00-45.00



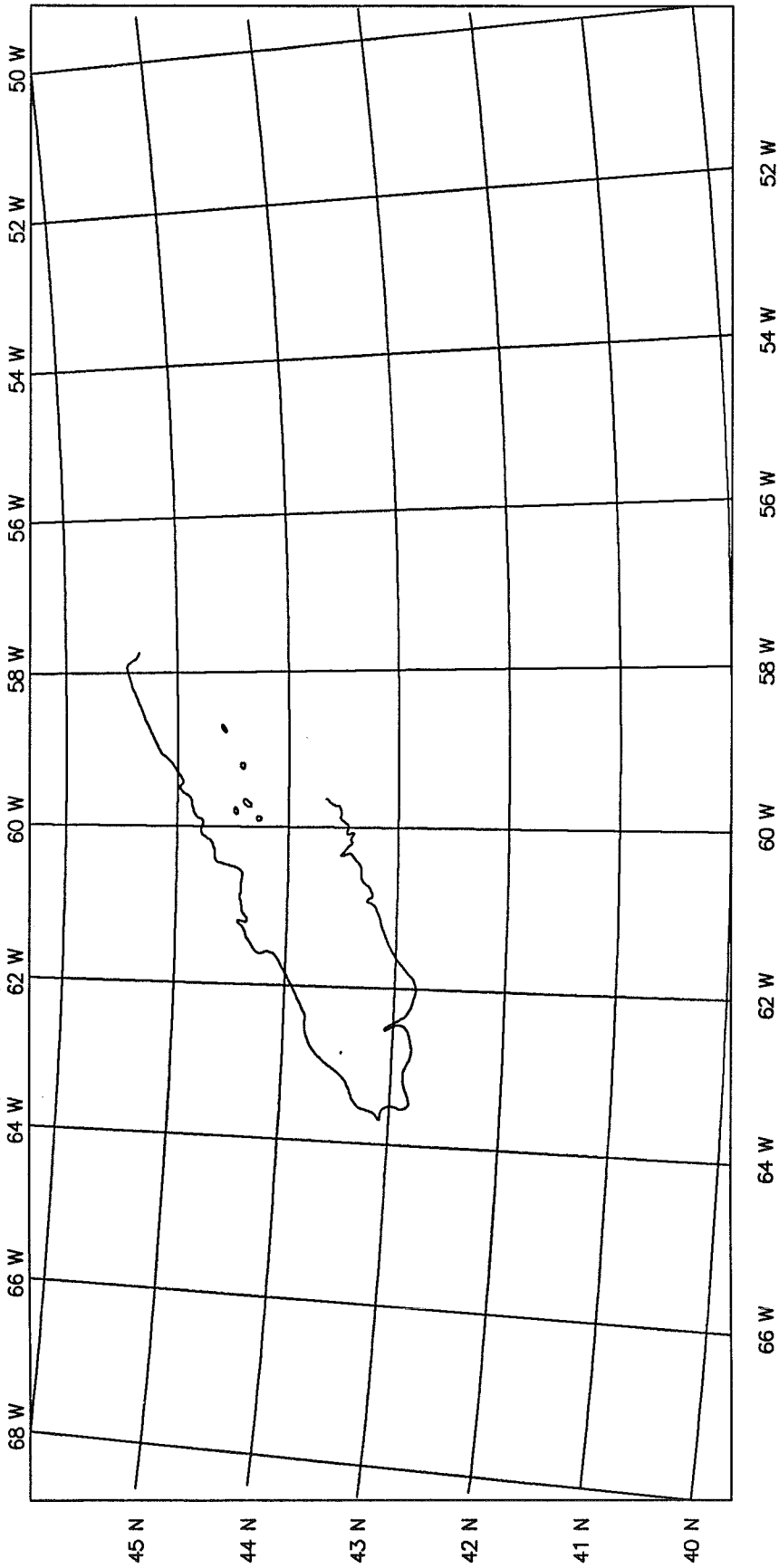
Lambert 6988319. at 41.00--45.00

SS63_F7.CON ISOPACH MAP, WYANDOT FM (CONTOURS) Nov 13 15:35:03 1991



Lambert 6988319. at 41.00-45.00

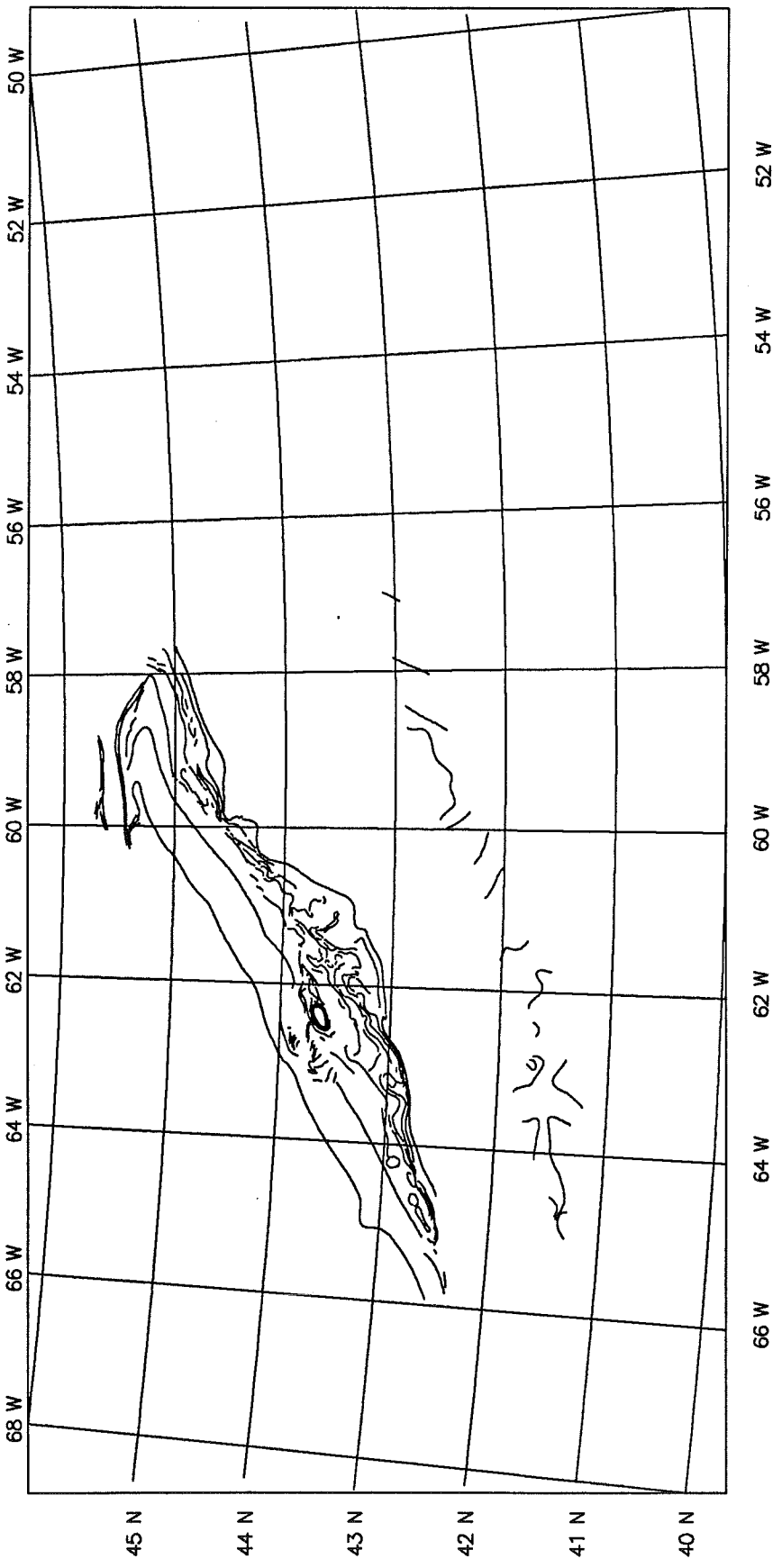
SS63_F7_ADD ISOPACH MAP, WYANDOT FM (OTHER DATA) Nov 13 15:34:50 1991



Lambert 6988319. at 41.00-45.00

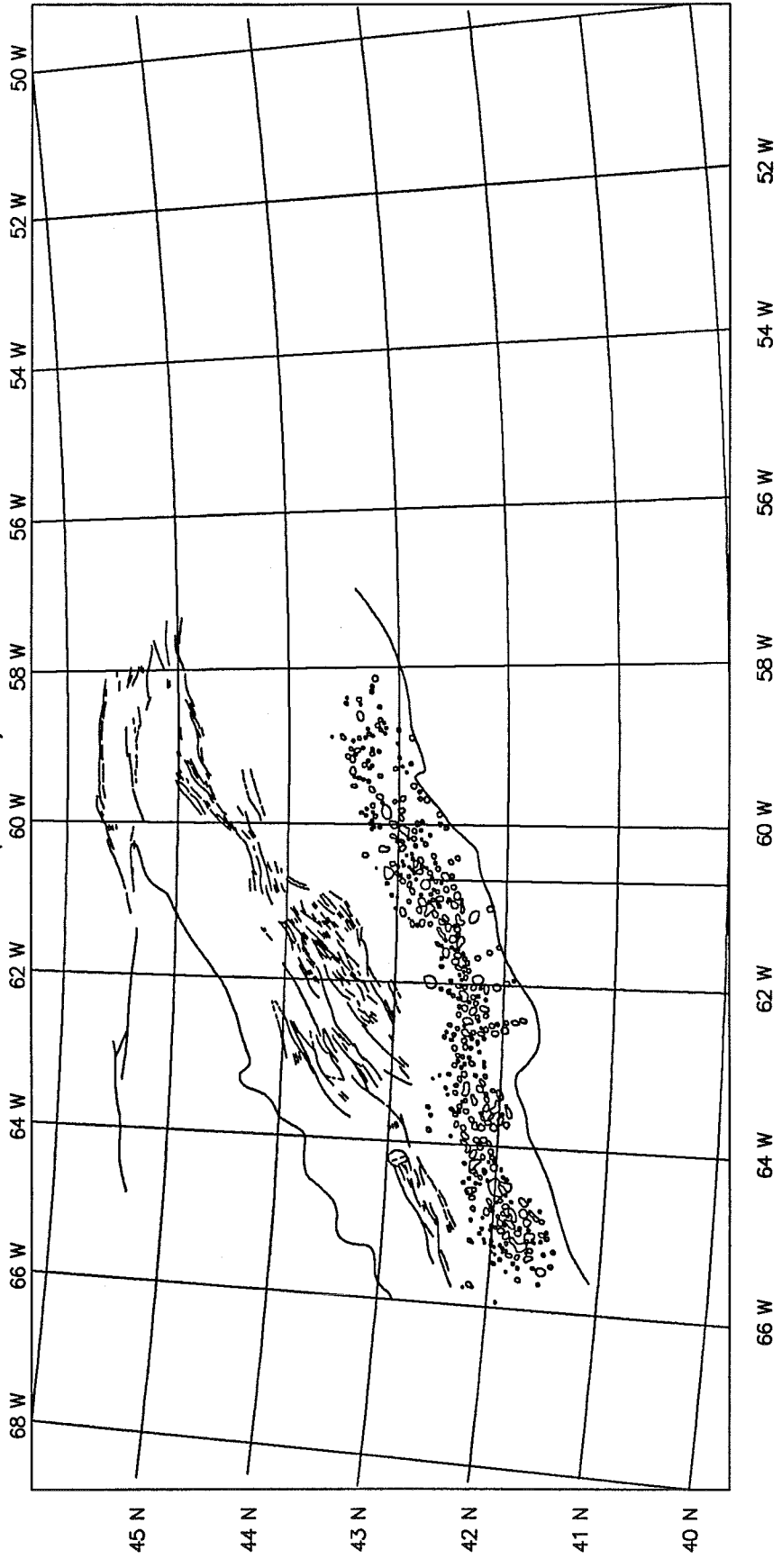
SS75_MAP.CON DEPTH TO PRE-MESOZOIC BSMT & OCEANIC LAYER 2 (CONTOURS)

Nov 14 14:31:33 1991



Lambert 6988319. at 41.00-45.00

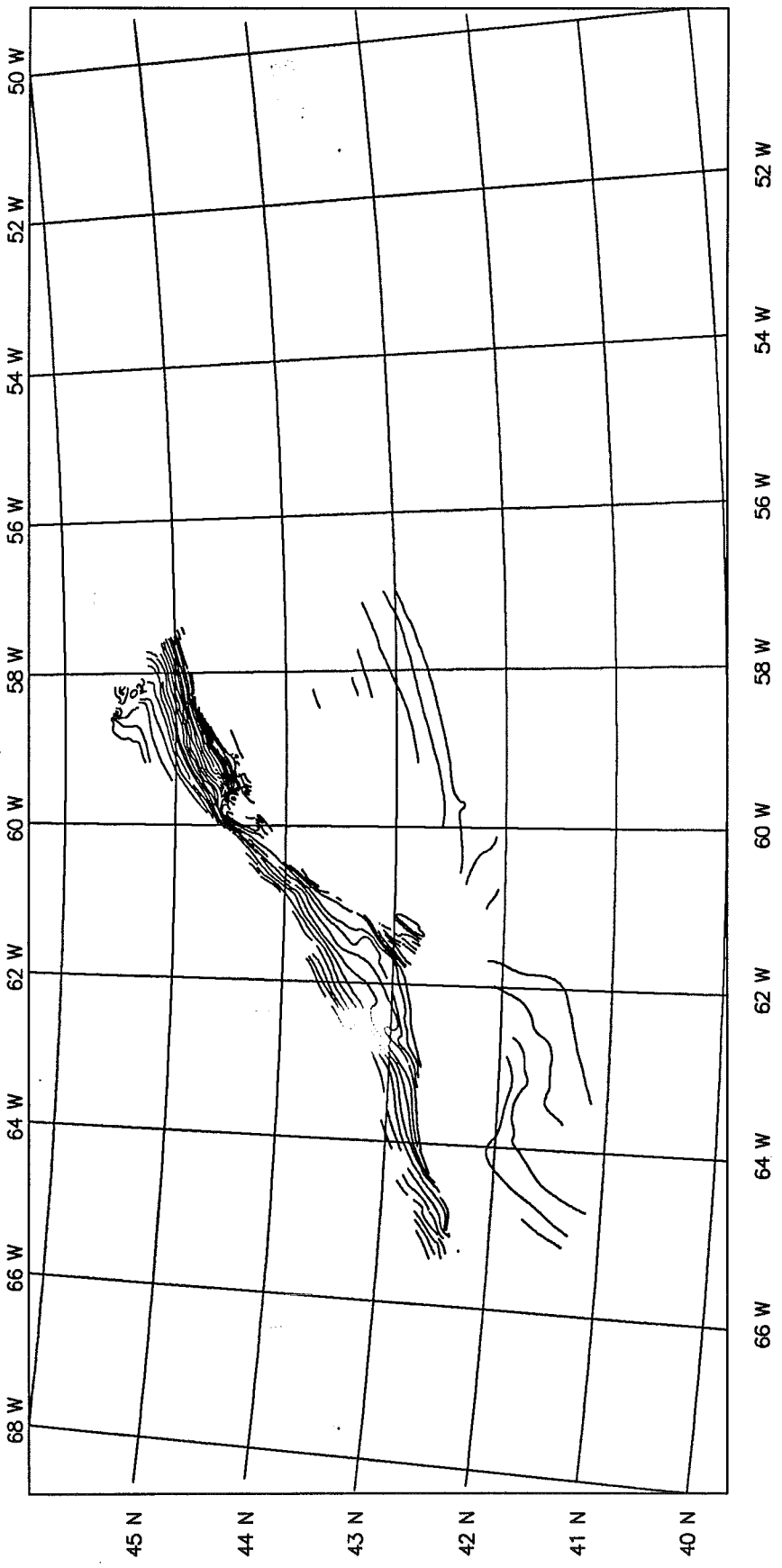
SS75_MAP_ADD DEPTH TO PRE-MESOZOIC BSMT & OCEANIC LAYER 2 (OTHER DATA) Nov 14 13:57:26 1991



Lambert 6988319. at 41.00-45.00

SS77_MAP.CON DEPTH TO SCATARIE MEMBER AND OCEANIC LAYER J2 (CONTOURS)

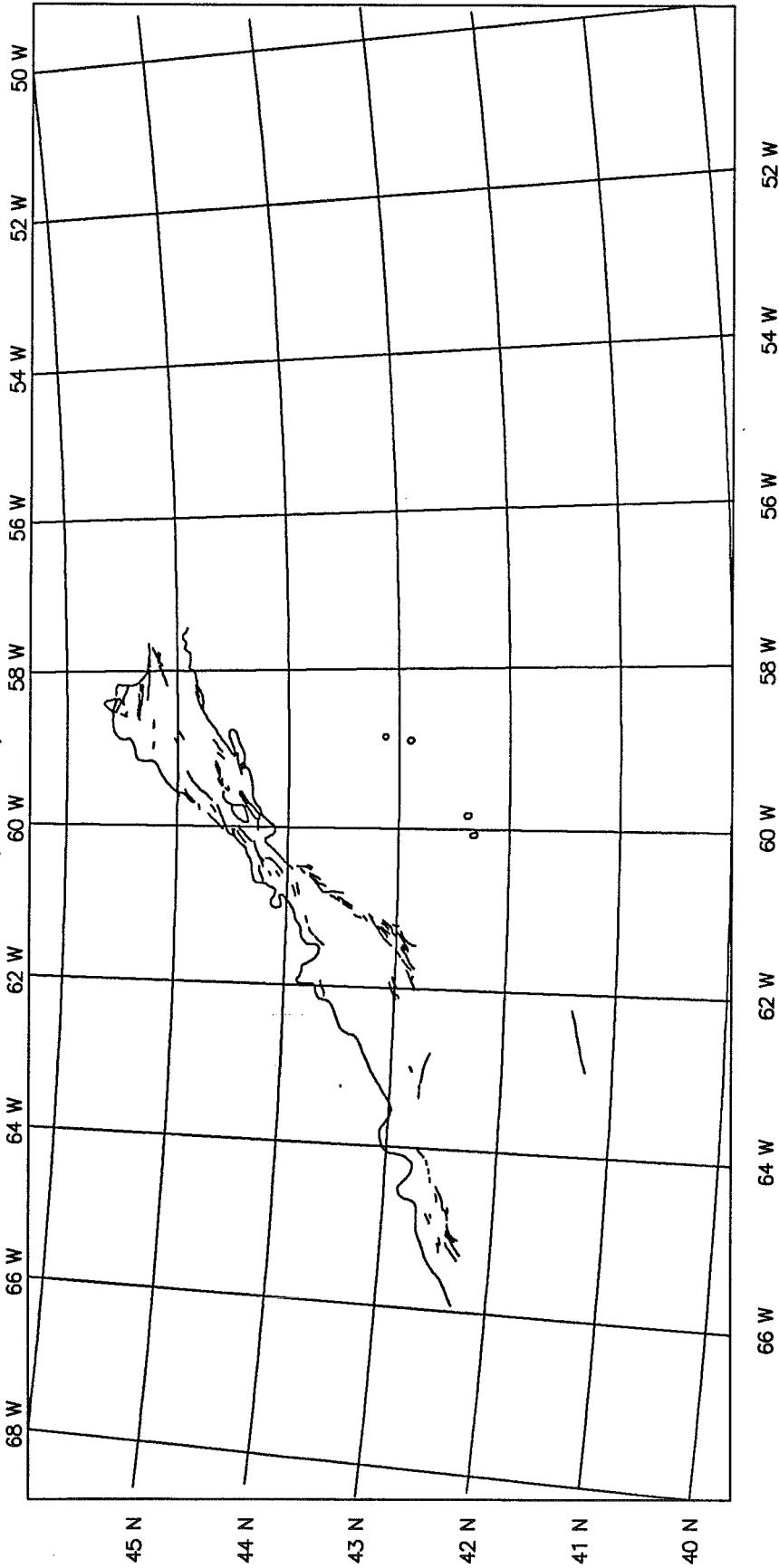
Nov 14 14:02:06 1991



Lambert 6988319. at 41.00-45.00

SS77_MAP.ADD DEPTH TO SCATARIE MEMBER AND OCEANIC LAYER J2 (OTHER DATA)

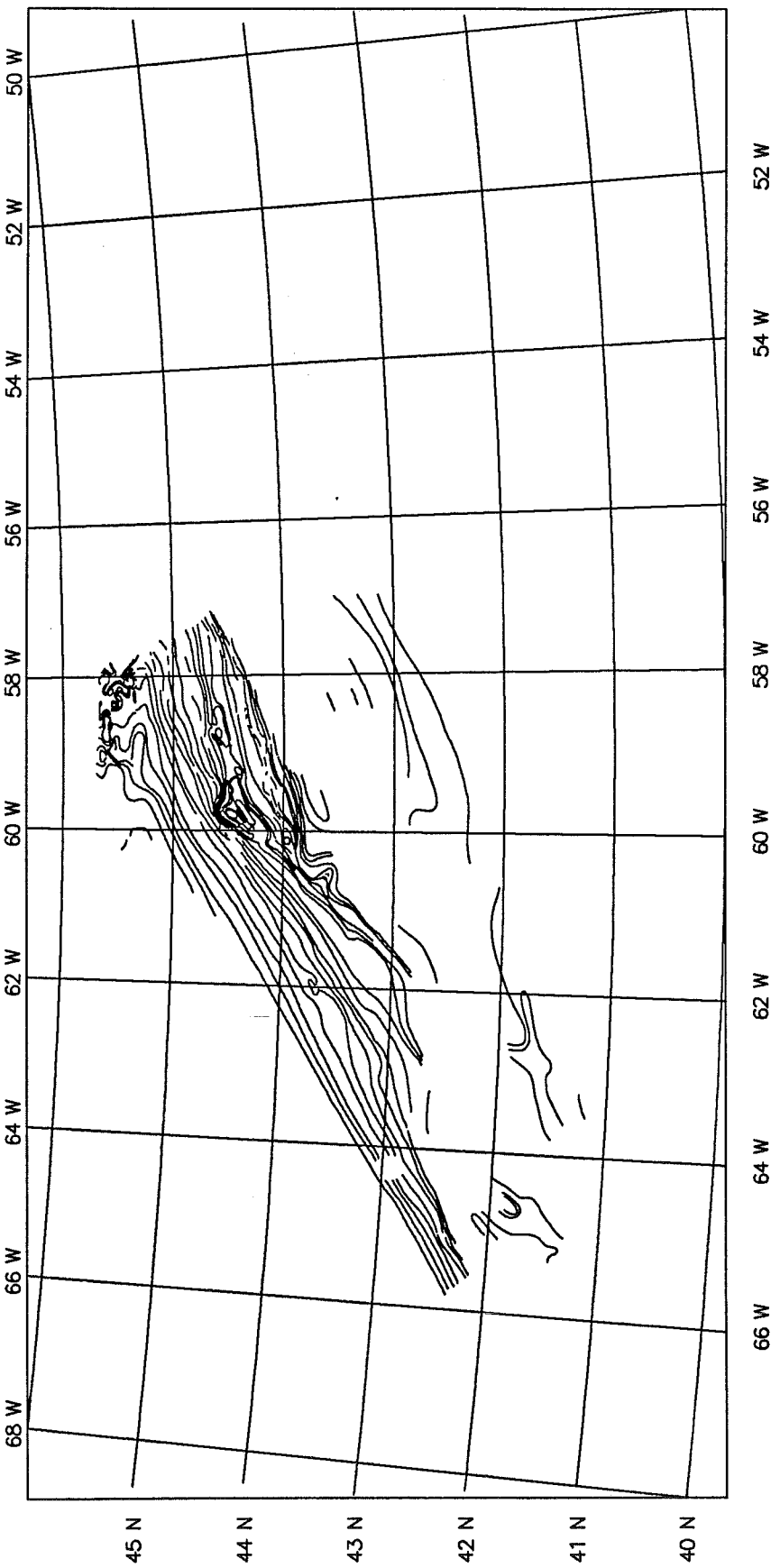
Nov 14 14:01:53 1991



Lambert 6988319. at 41.00-45.00

SS79_MAP.CON DEPTH TO TOP OF JURASSIC AND OCEANIC LAYER J1 (CONTOURS)

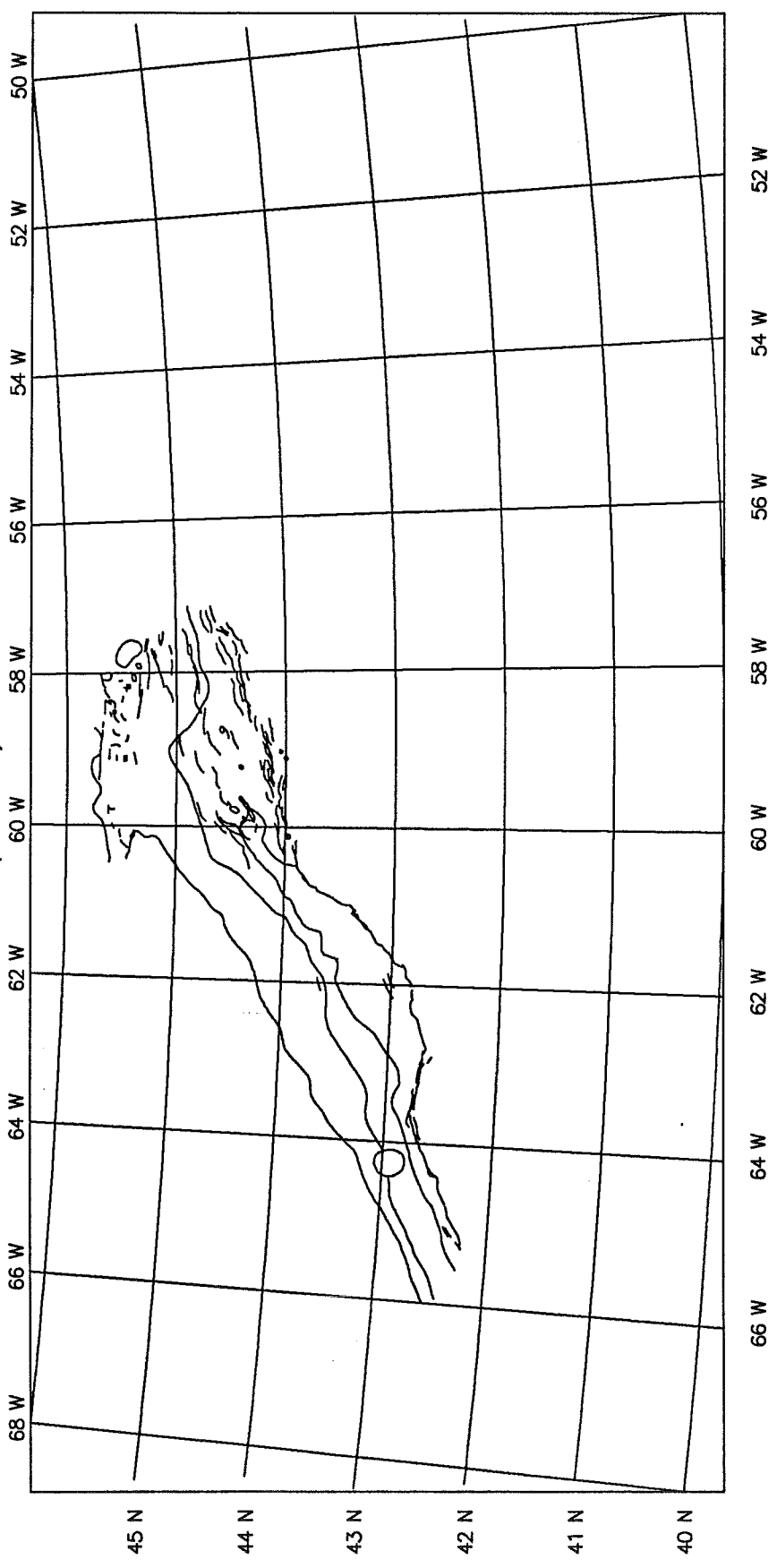
Nov 14 14:02:37 1991



Lambert 6988319. at 41.00-45.00

SS79_MAP_ADD DEPTH TO TOP OF JURASSIC AND OCEANIC LAYER J1 (OTHER DATA)

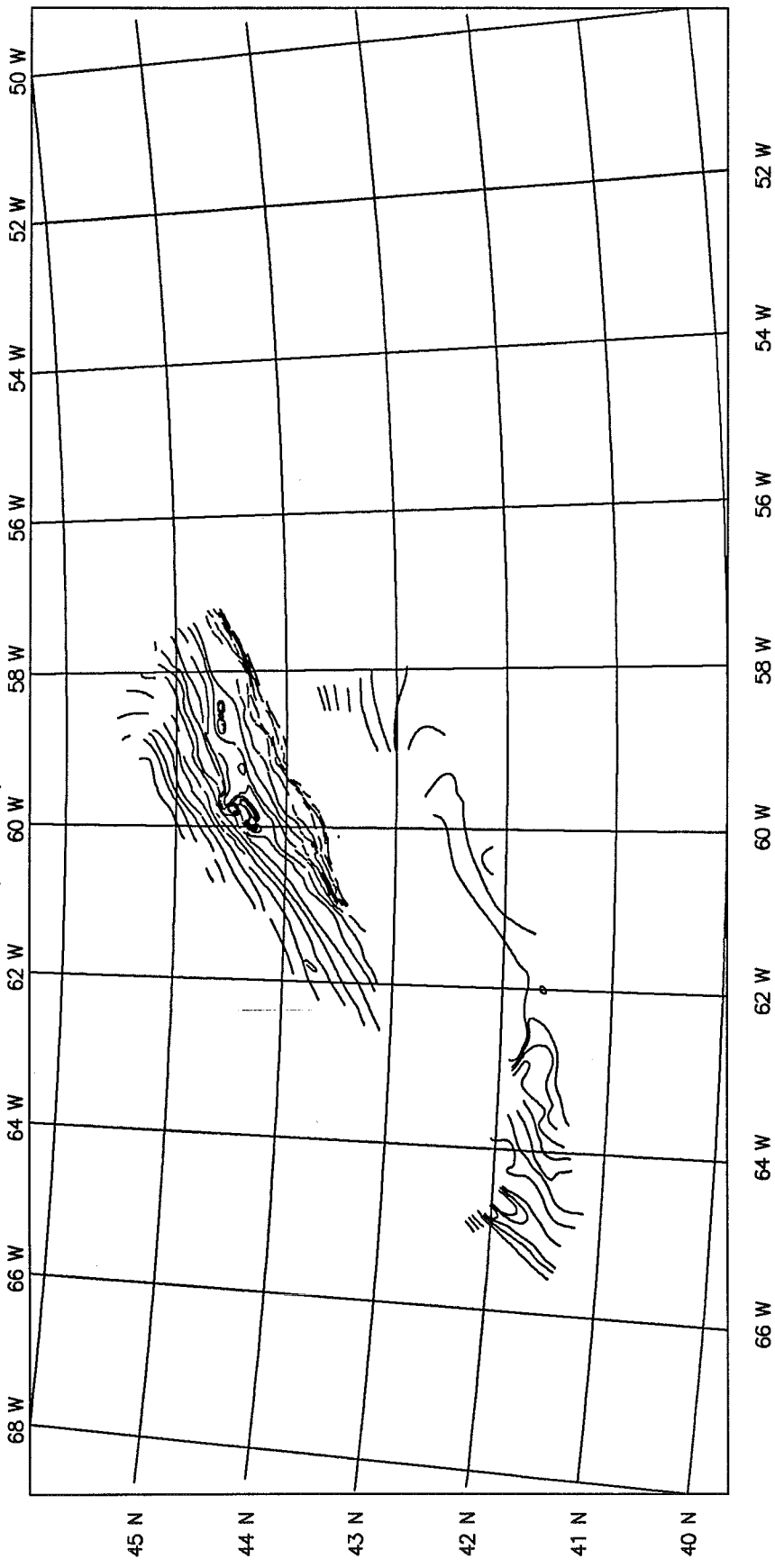
Nov 14 14:03:03 1991



Lambert 6988319. at 41.00-45.00

SS81_MAP.CON DEPTH TO "O" MARKER AND OCEANIC HORIZON B (CONTOURS)

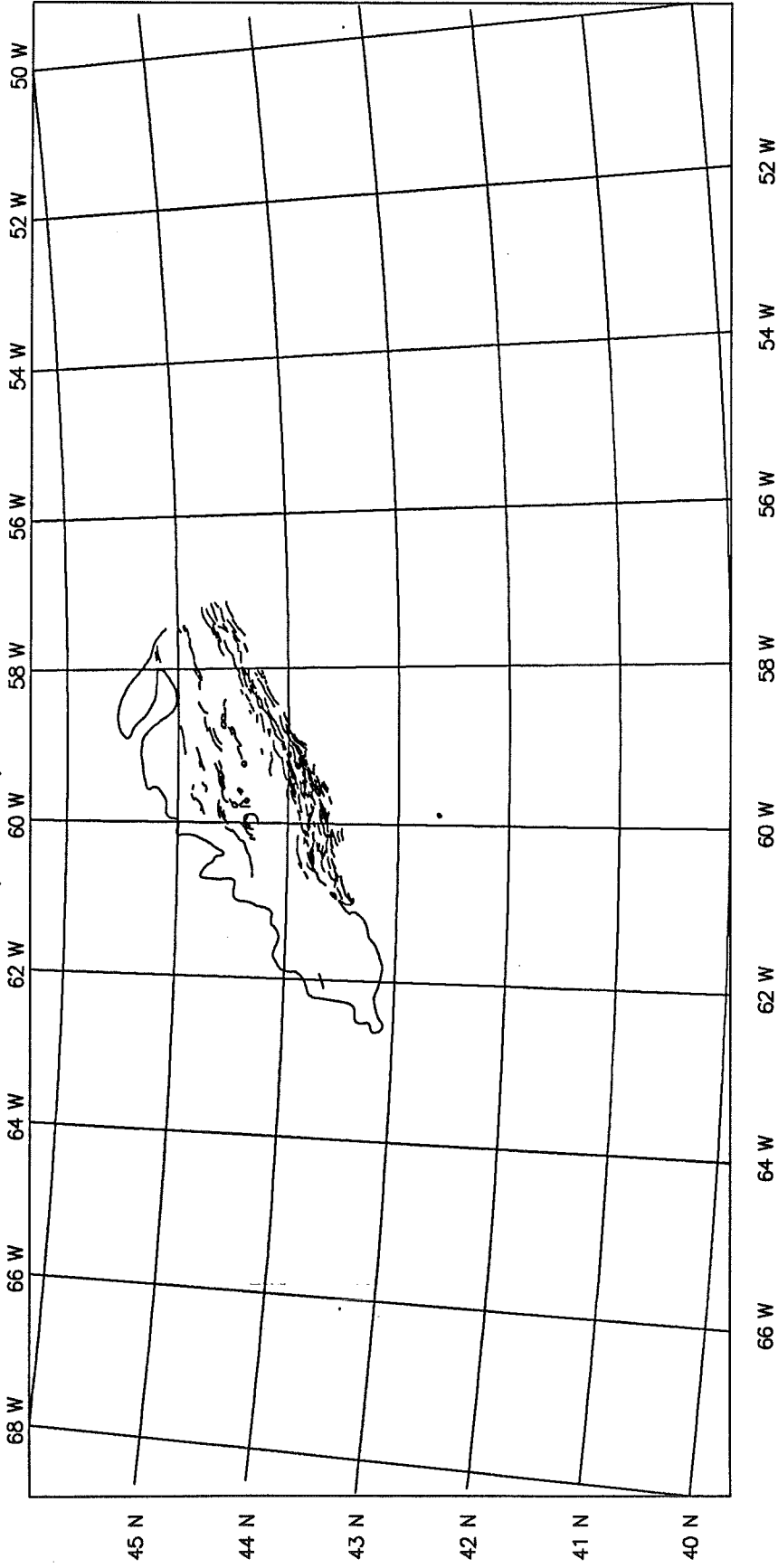
Nov 14 15:04:19 1991



Lambert 6988319. at 41.00-45.00

SS81_MAP.ADD DEPTH TO "O" MARKER AND OCEANIC HORIZON B (OTHER DATA)

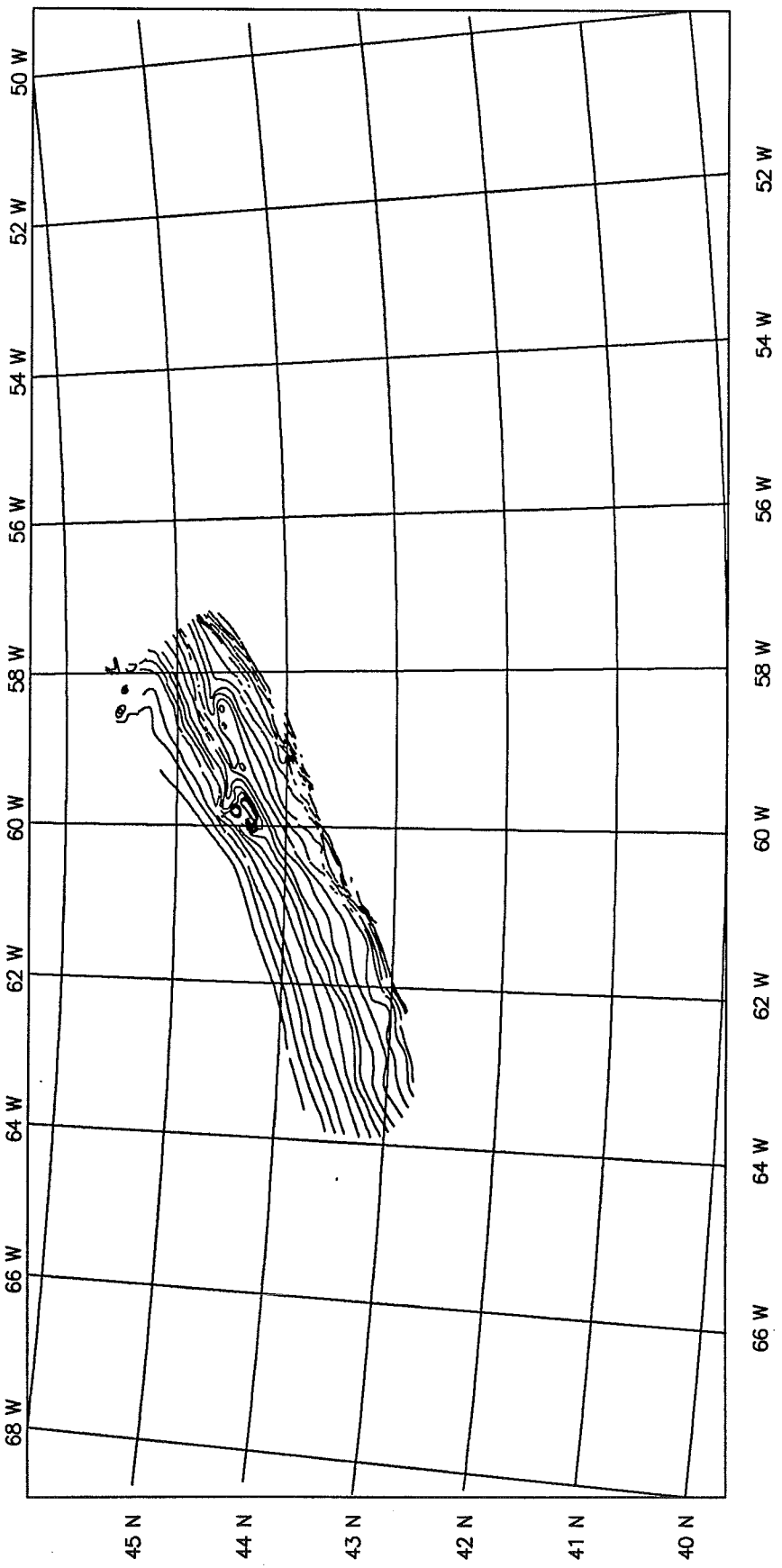
Nov 14 15:03:33 1991



Lambert 6988319. at 41.00-45.00

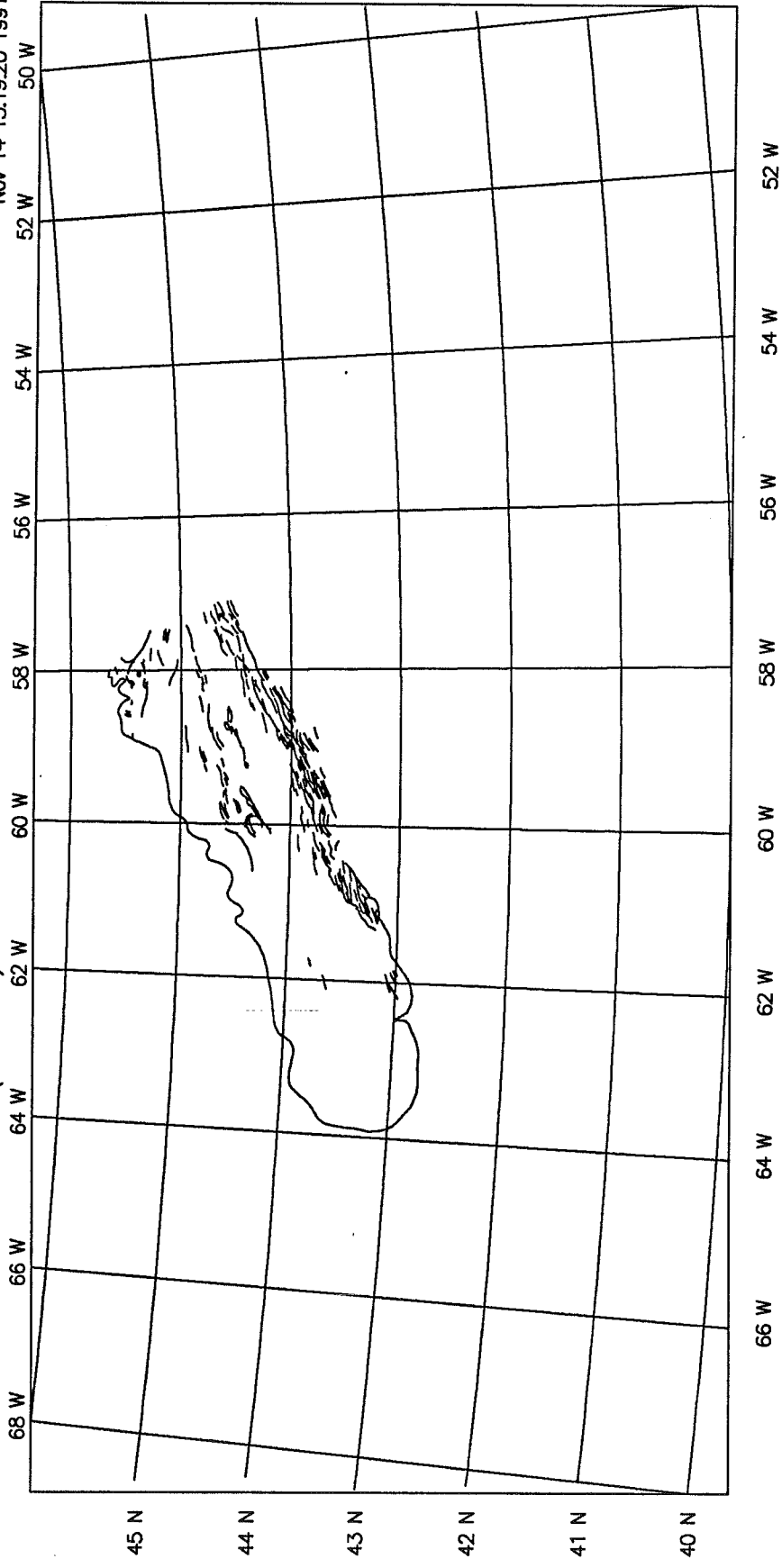
SS83_MAP.CON DEPTH TO PETREL MARKER (CONTOURS)

Nov 14 15:19:48 1991



Lambert 6988319. at 41.00-45.00

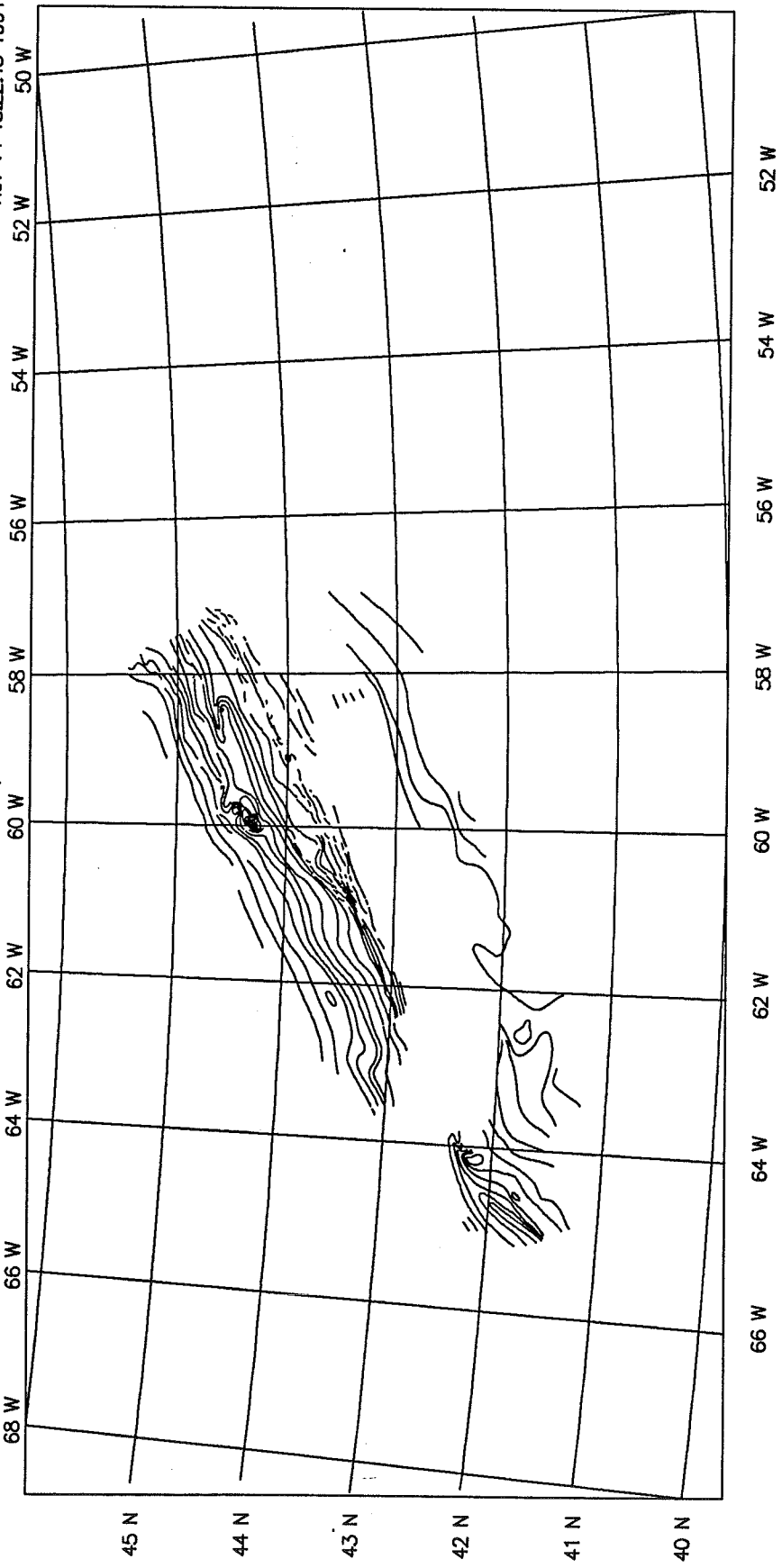
SS83_MAP_ADD DEPTH TO PETREL MARKER (OTHER DATA) Nov 14 15:19:20 1991



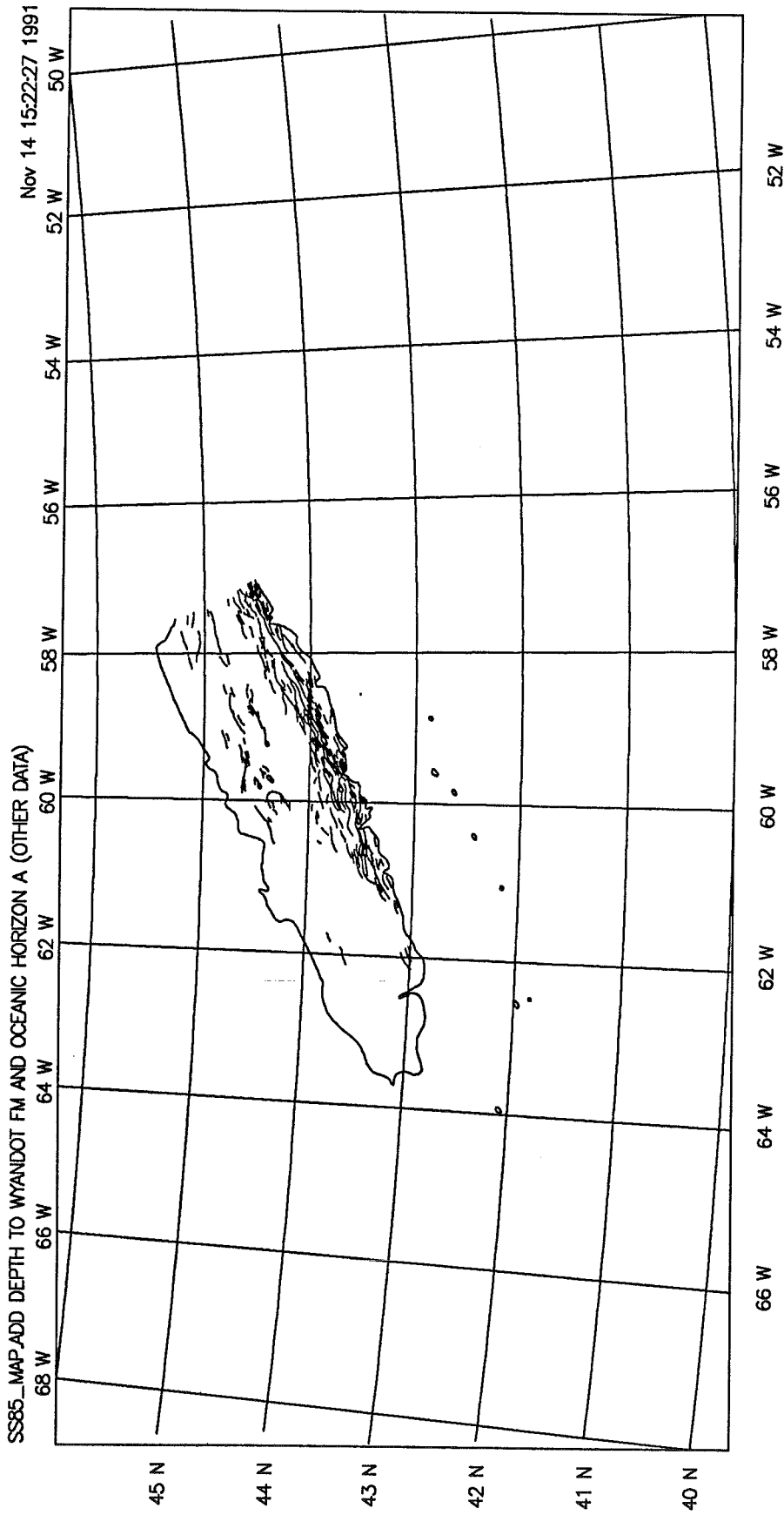
Lambert 6988319. at 41.00-45.00

SS85_MAP.CON DEPTH TO WYANDOT FM AND OCEANIC HORIZON A (CONTOURS)

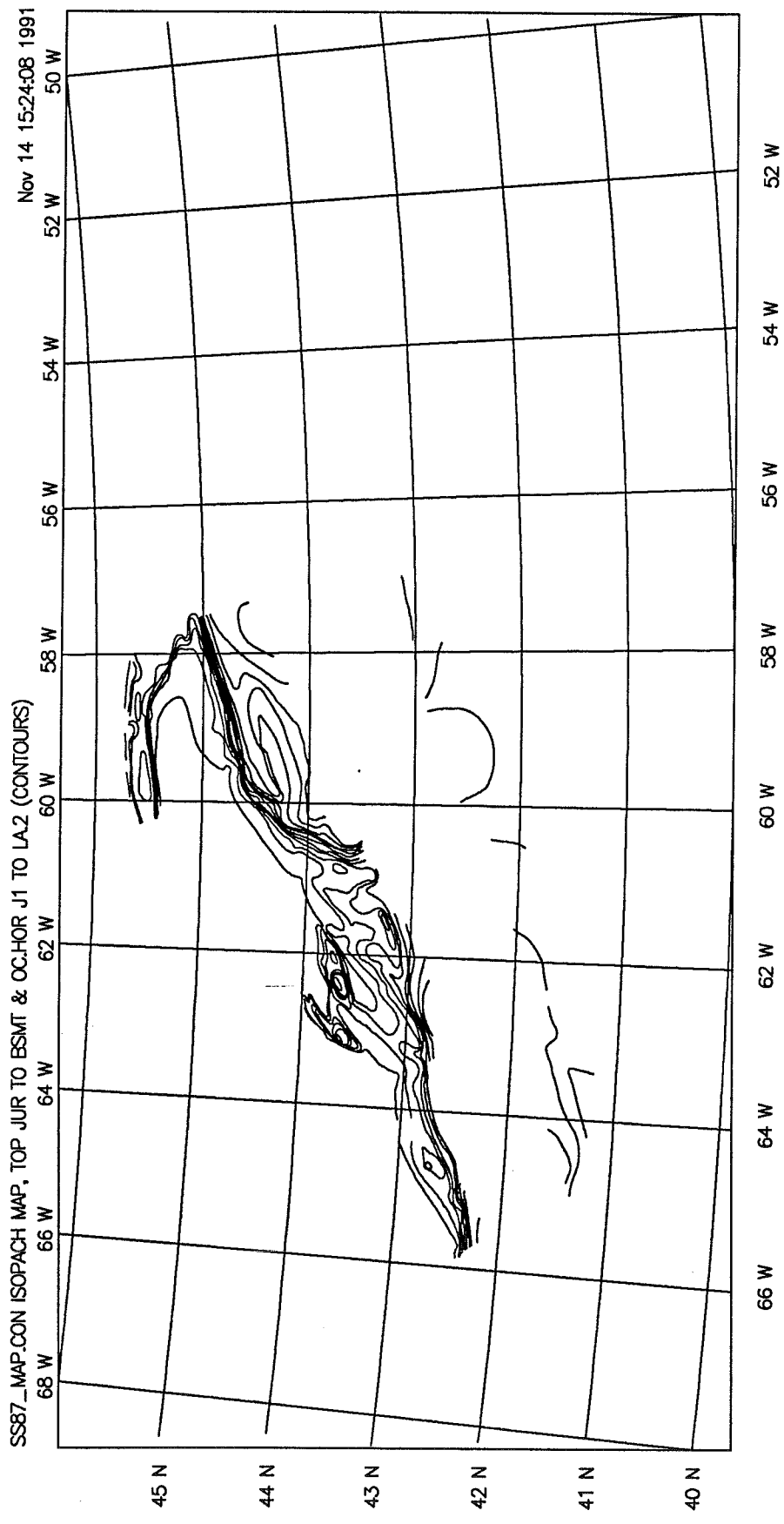
Nov 14 15:22:43 1991



Lambert 6988319. at 41.00-45.00



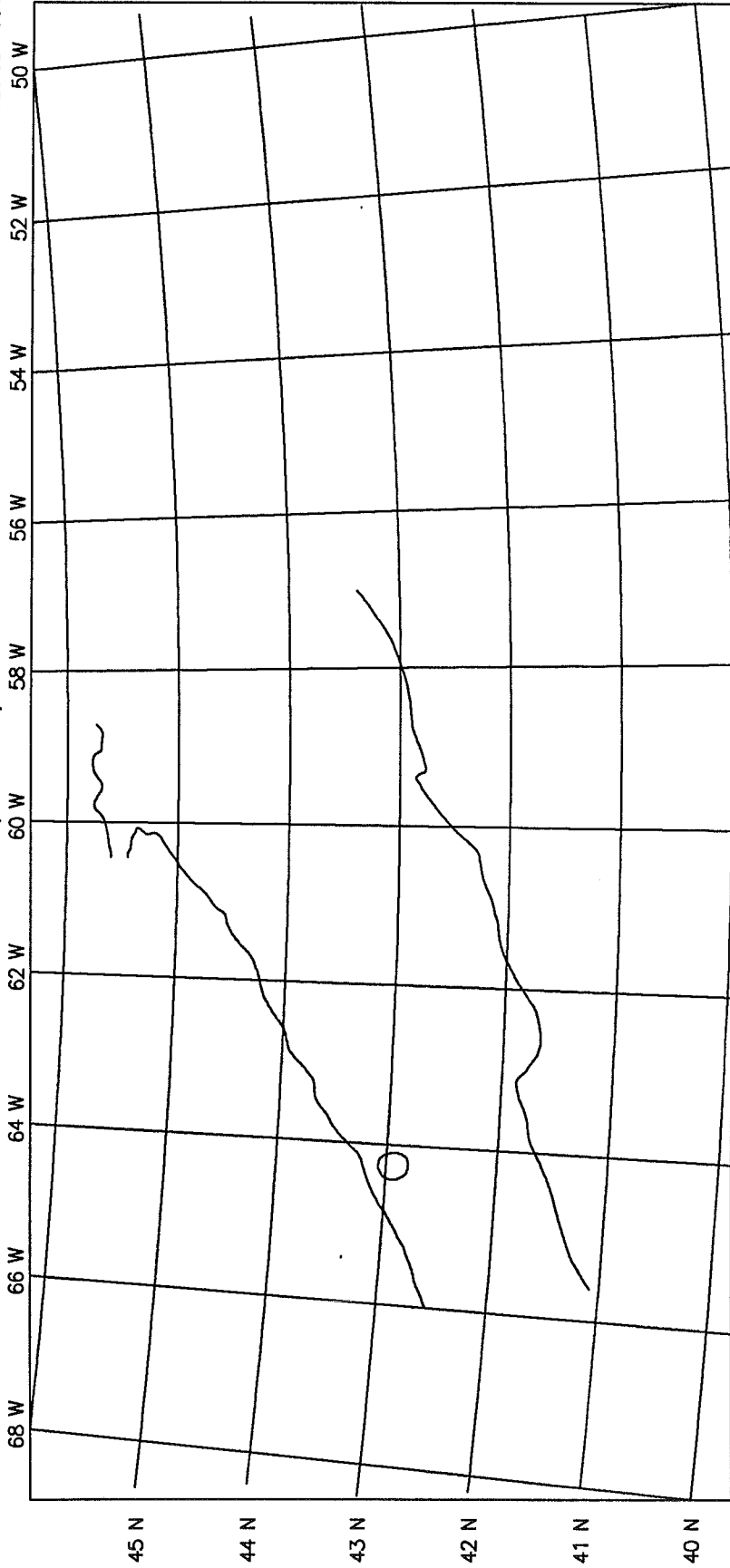
Lambert 6988319. at 41.00-45.00



Lambert 6988319. at 41.00-45.00

SS87_MAP.ADD ISOPACH MAP, TOP JUR. TO BSMT & OC.HOR J1 TO LA.2 (OTHER DATA)

Nov 14 15:23:58 1991

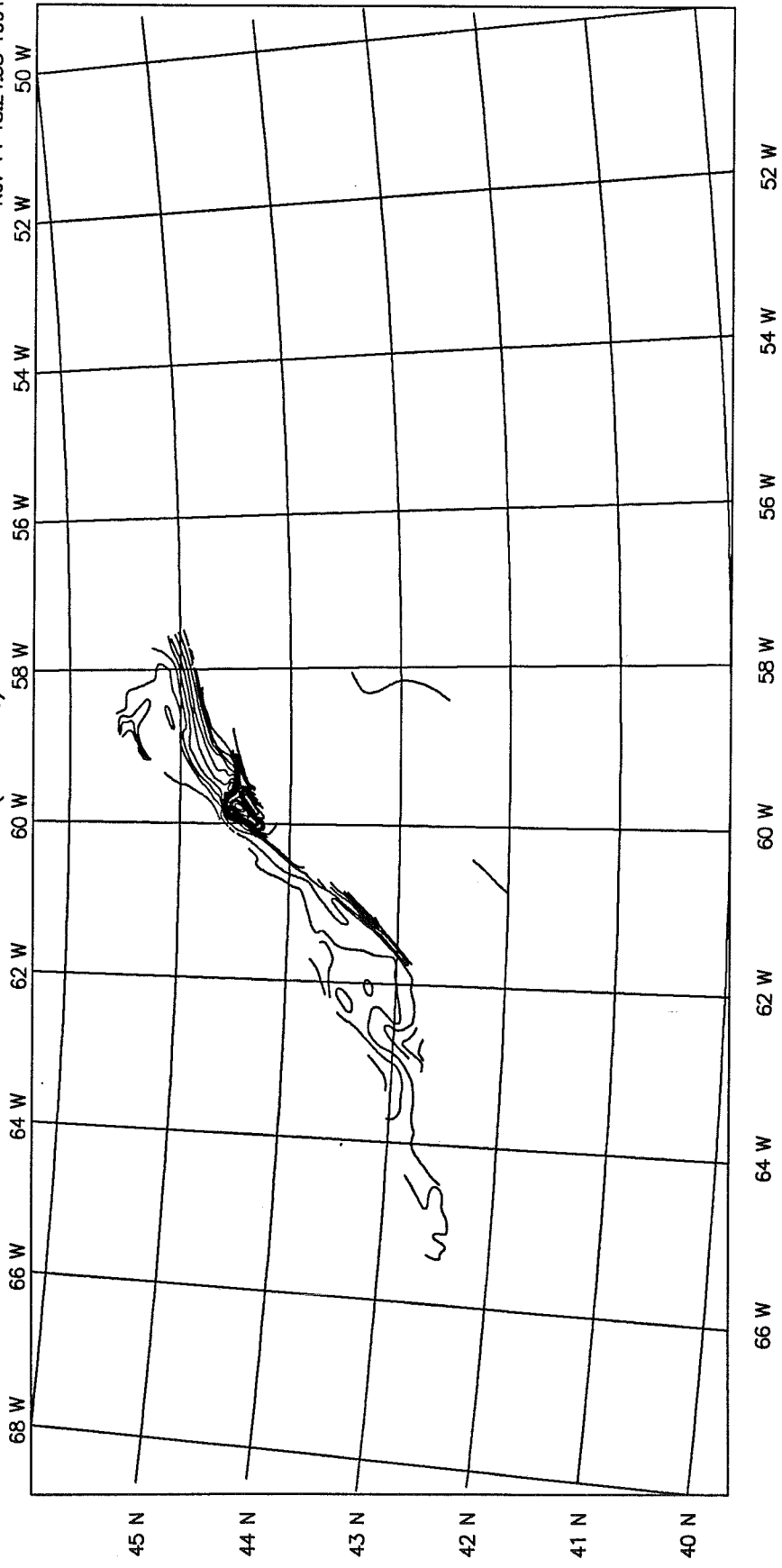


66 W 64 W 62 W 60 W 58 W 56 W 54 W 52 W

Lambert 6988319. at 41.00-45.00

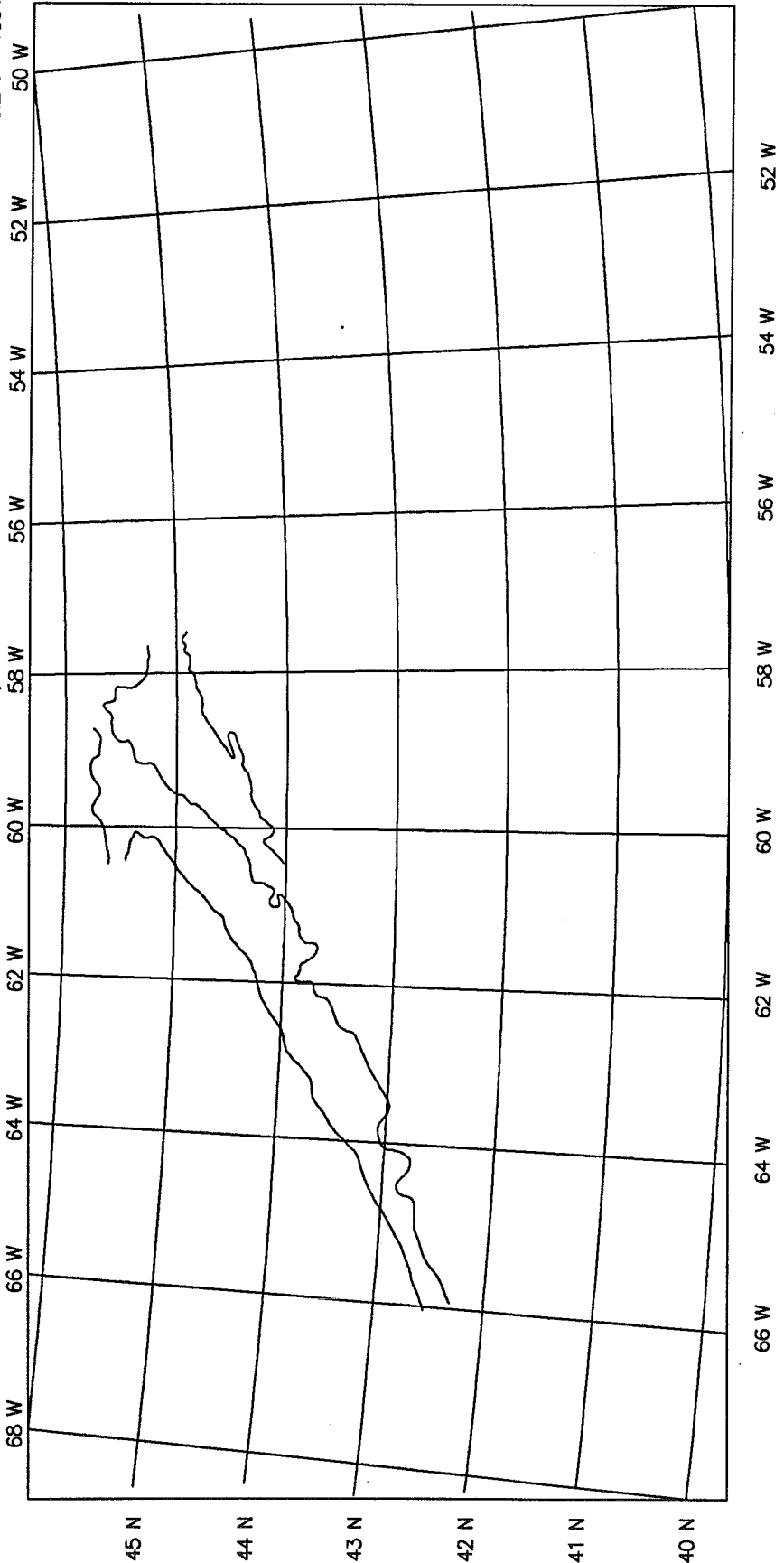
SS89_MAP.CON ISOPACH MAP, TOP JUR TO SCAT.MEM & OC.HOR J1 TO J2 (CONTOURS)

Nov 14 15:24:58 1991



Lambert 6988319. at 41.00-45.00

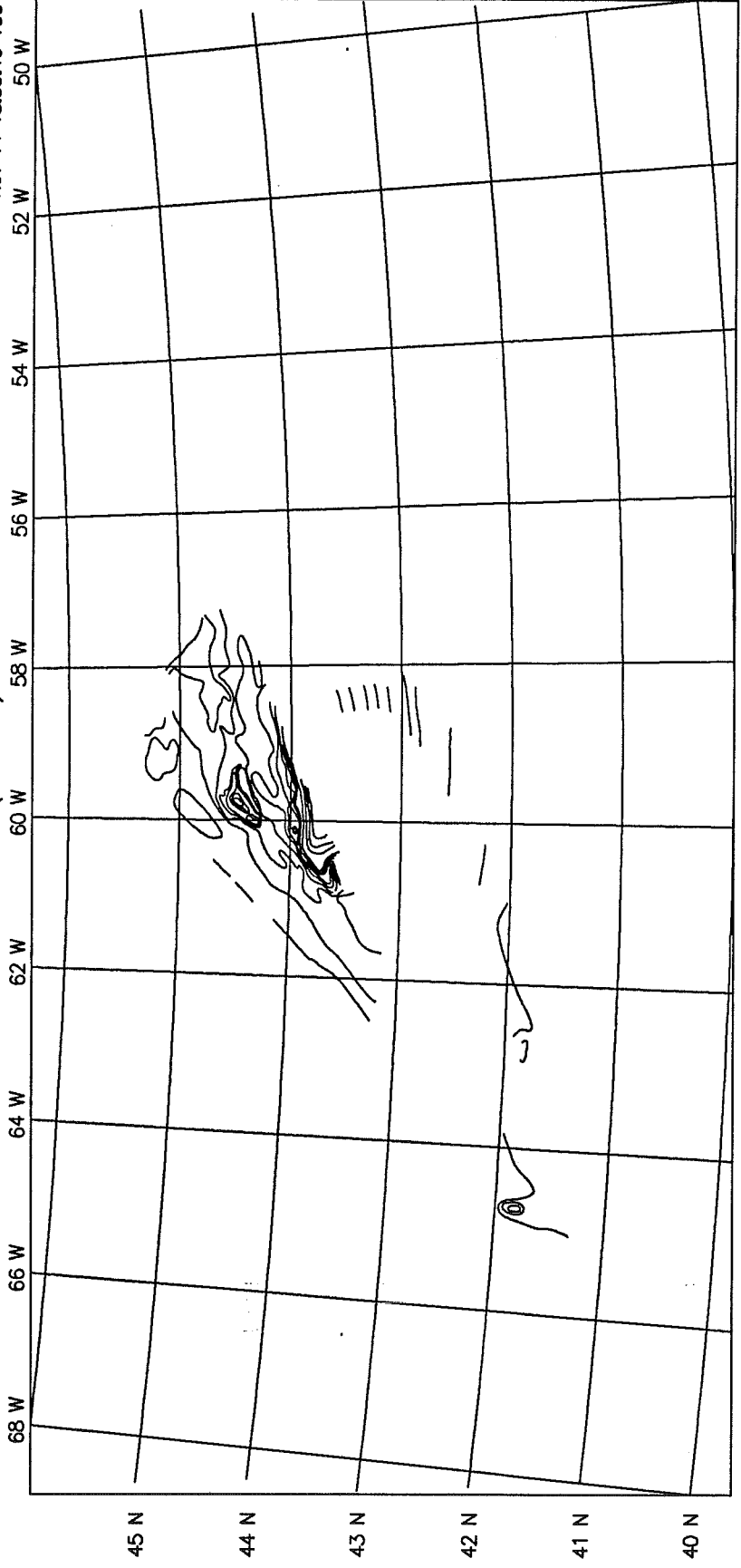
SS89_MAP.ADD ISOPACH MAP, TOP JUR TO SCAT.MEM & OC.HOR. J1 TO J2 (OTHER DATA) Nov 14 15:24:41 1991



Lambert 6988319. at 41.00-45.00

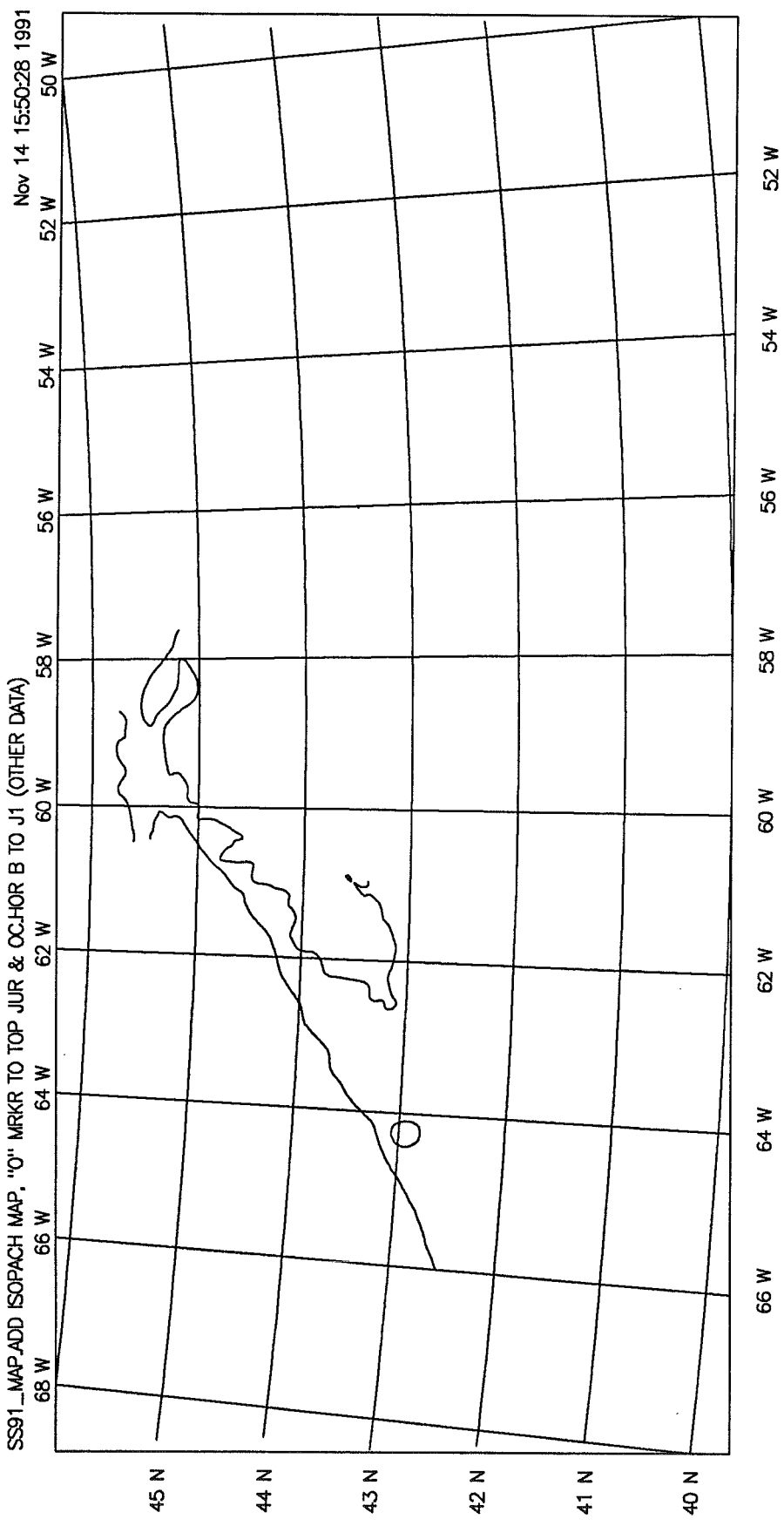
SS91_MAP.CON ISOPACH MAP, "0" MRKR TO TOP JUR & OC.HOR B TO J1 (CONTOURS)

Nov 14 15:50:46 1991



66 W 64 W 62 W 60 W 58 W 56 W 54 W 52 W

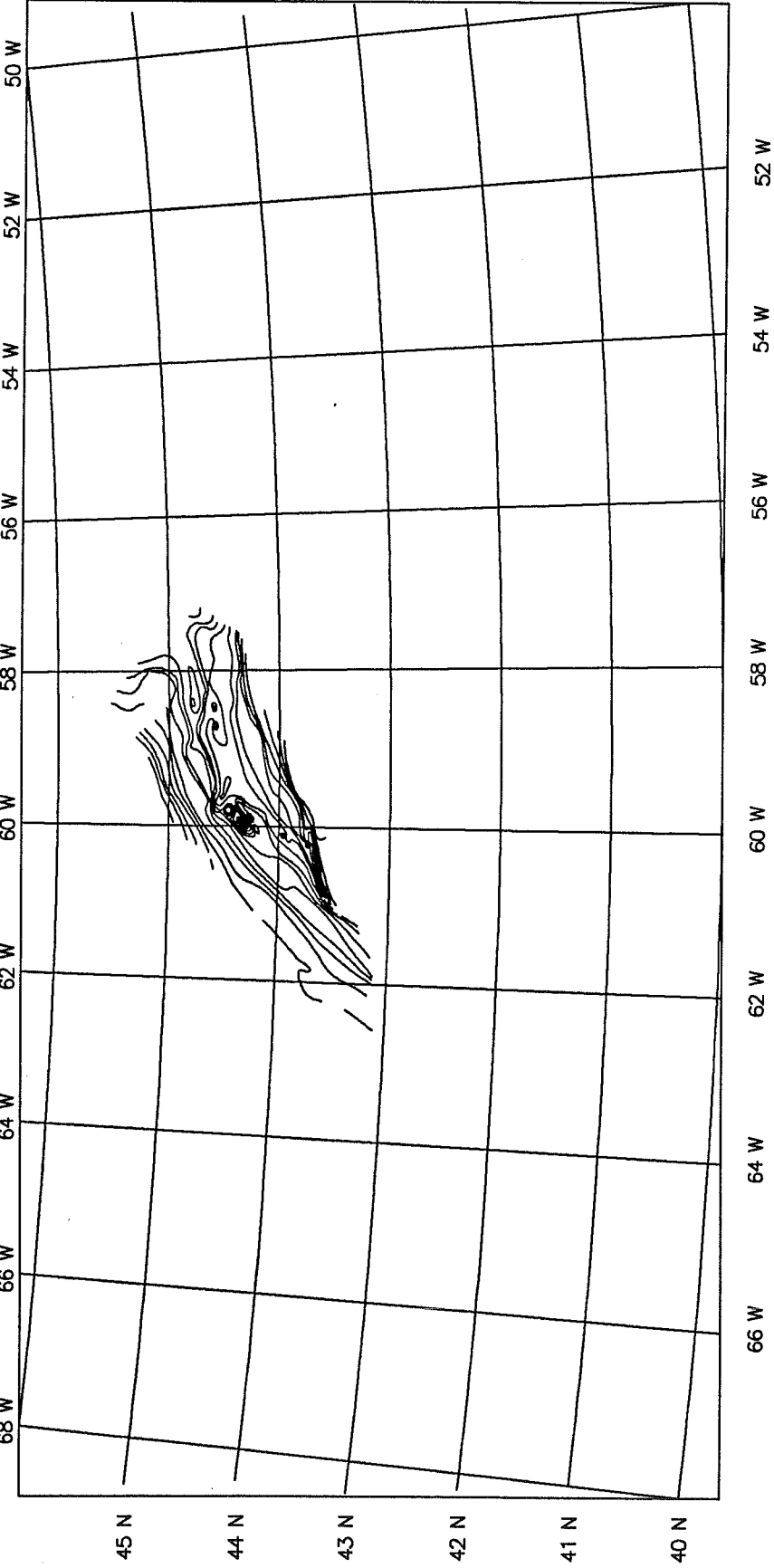
Lambert 6988319. at 41.00-45.00



Lambert 6988319. of 41.00-45.00

SS93_MAP.CON ISOPACH MAP OF PETREL MARKER TO "O" MARKER (CONTOURS)

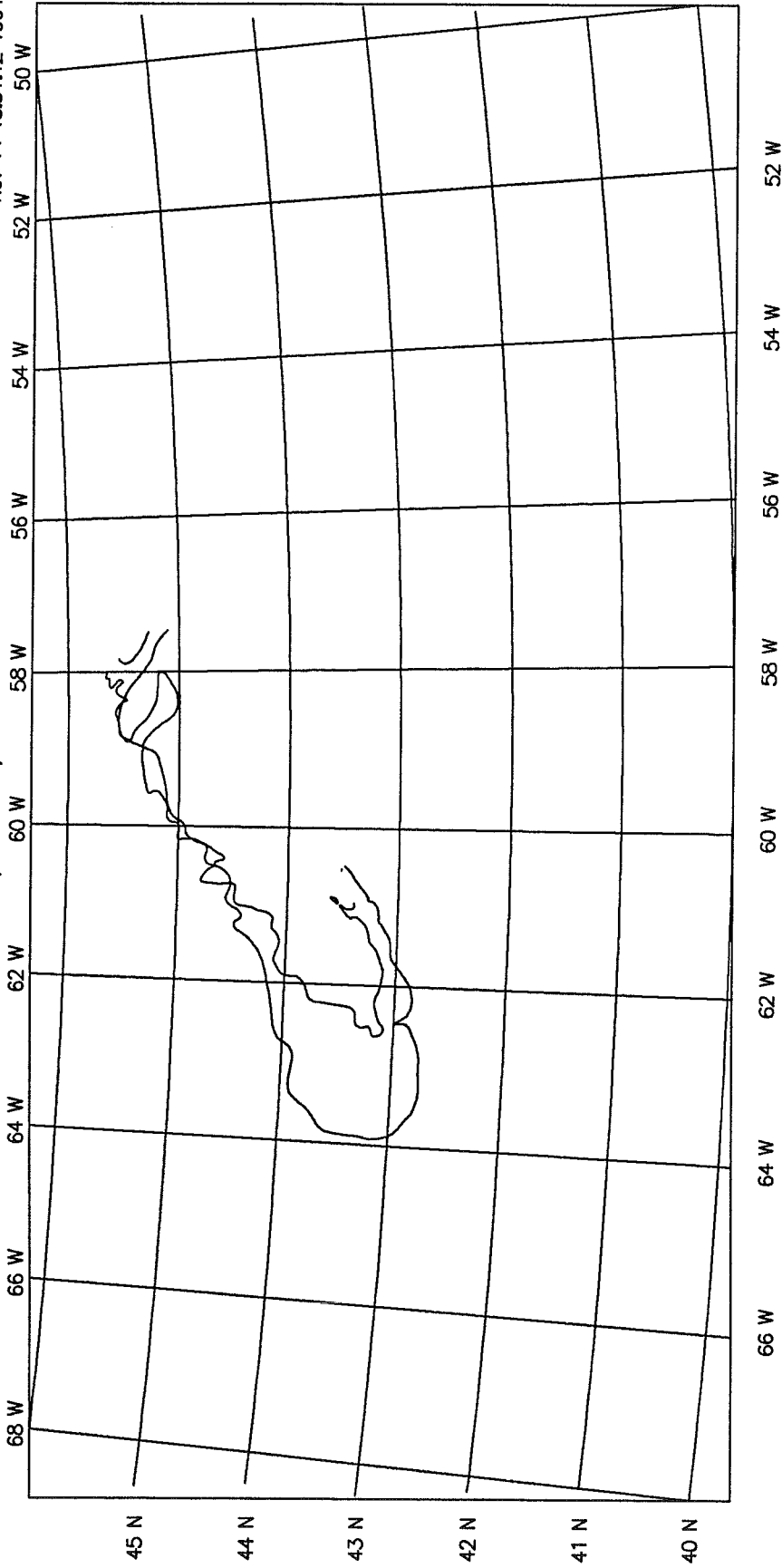
Nov 14 15:51:32 1991



Lambert 6988319. at 41.00-45.00

SS93_MAP_ADD ISOPACH MAP OF PETREL MARKER TO "O" MARKER (OTHER DATA)

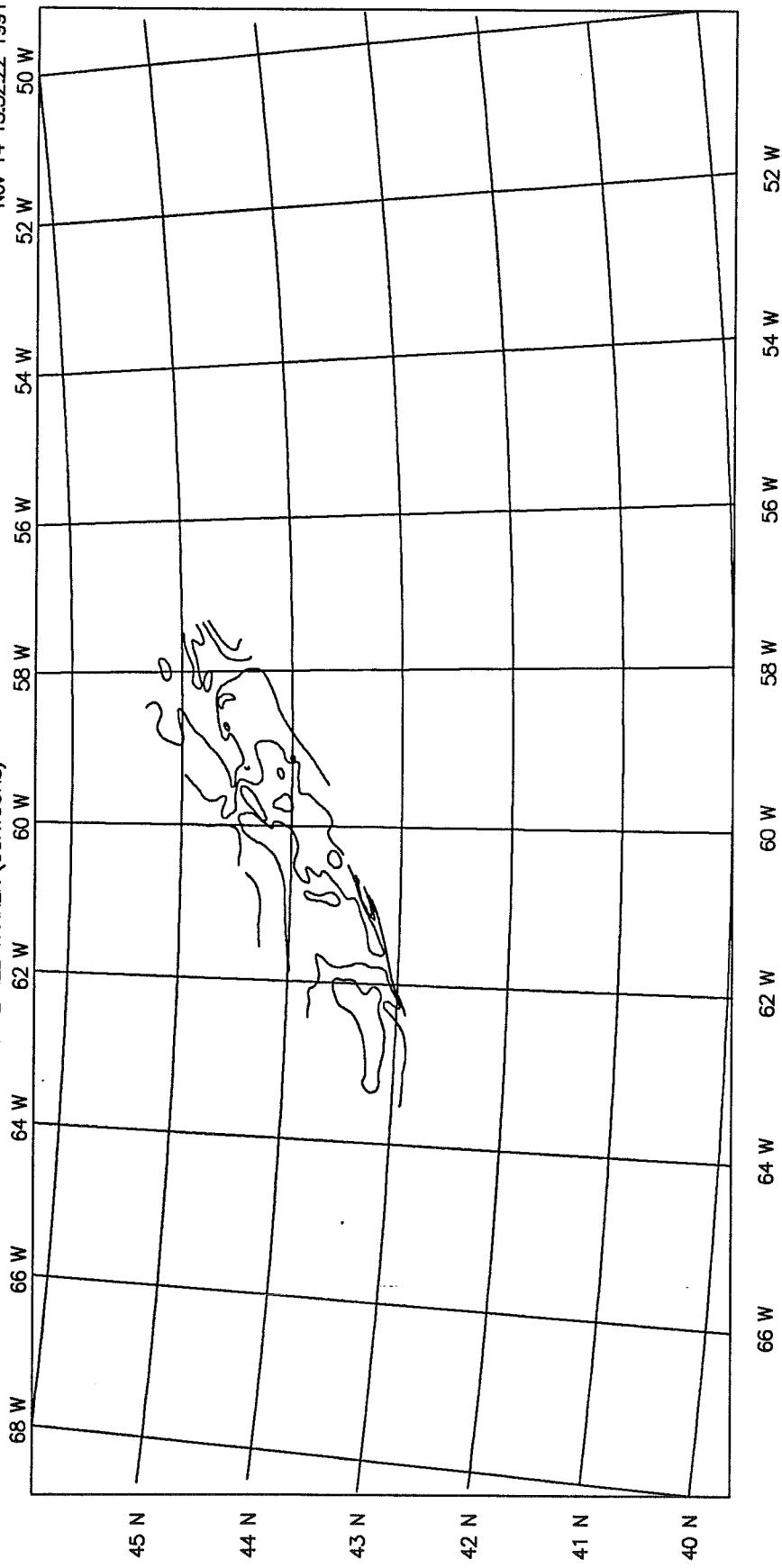
Nov 14 15:51:12 1991



Lambert 6988319. at 41.00-45.00

SS95_MAP.CON ISOPACH MAP OF WYANDOT FM TO PETREL MARKER (CONTOURS)

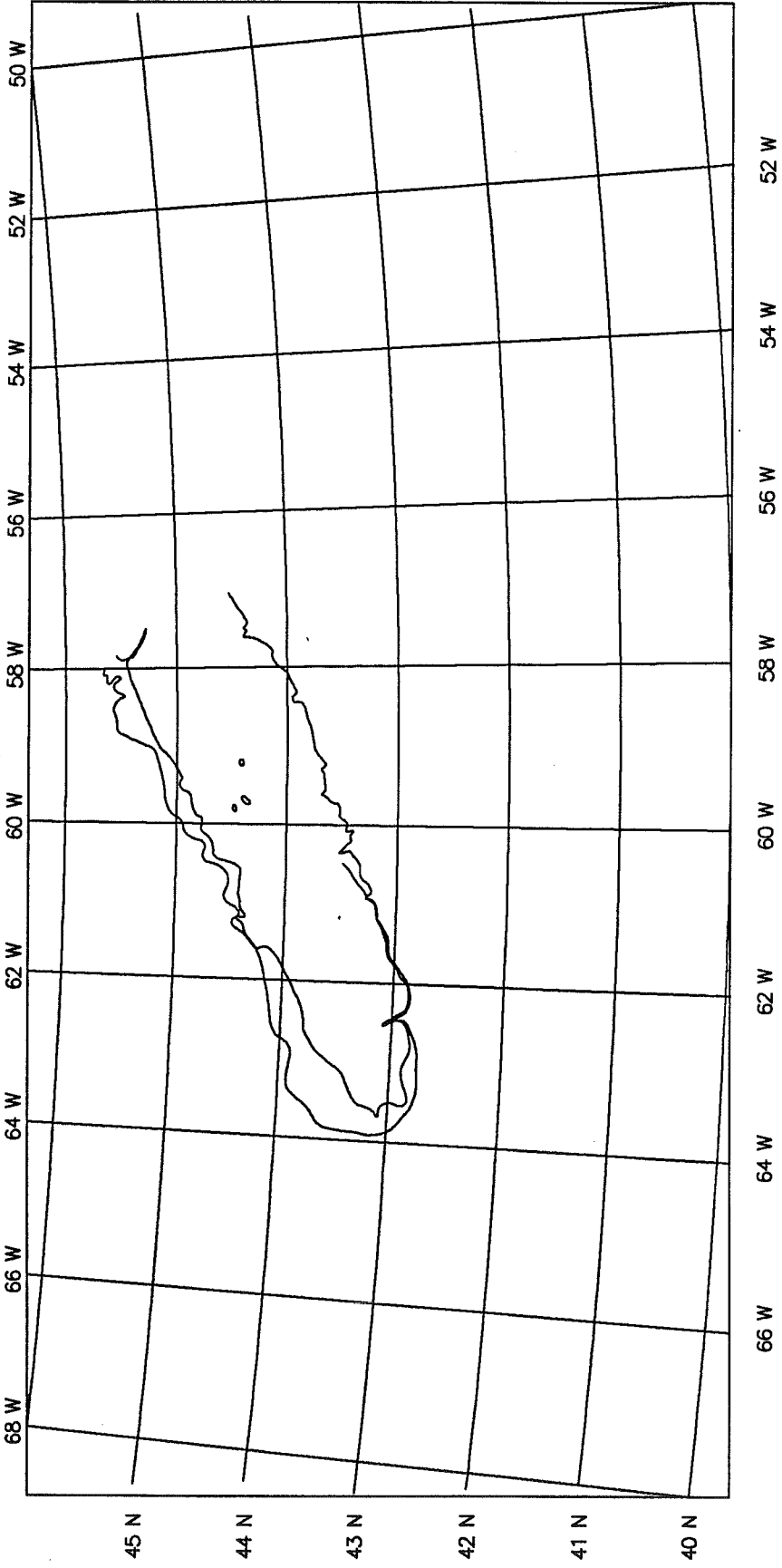
Nov 14 15:52:22 1991



Lambert 6988319. at 41.00-45.00

SS95_MAP_ADD ISOPACH MAP OF WYANDOT FM TO PETREL MARKER (OTHER DATA)

Nov 14 15:51:55 1991



Lambert 6988319. at 41.00-45.00

APPENDIX III

Contains:

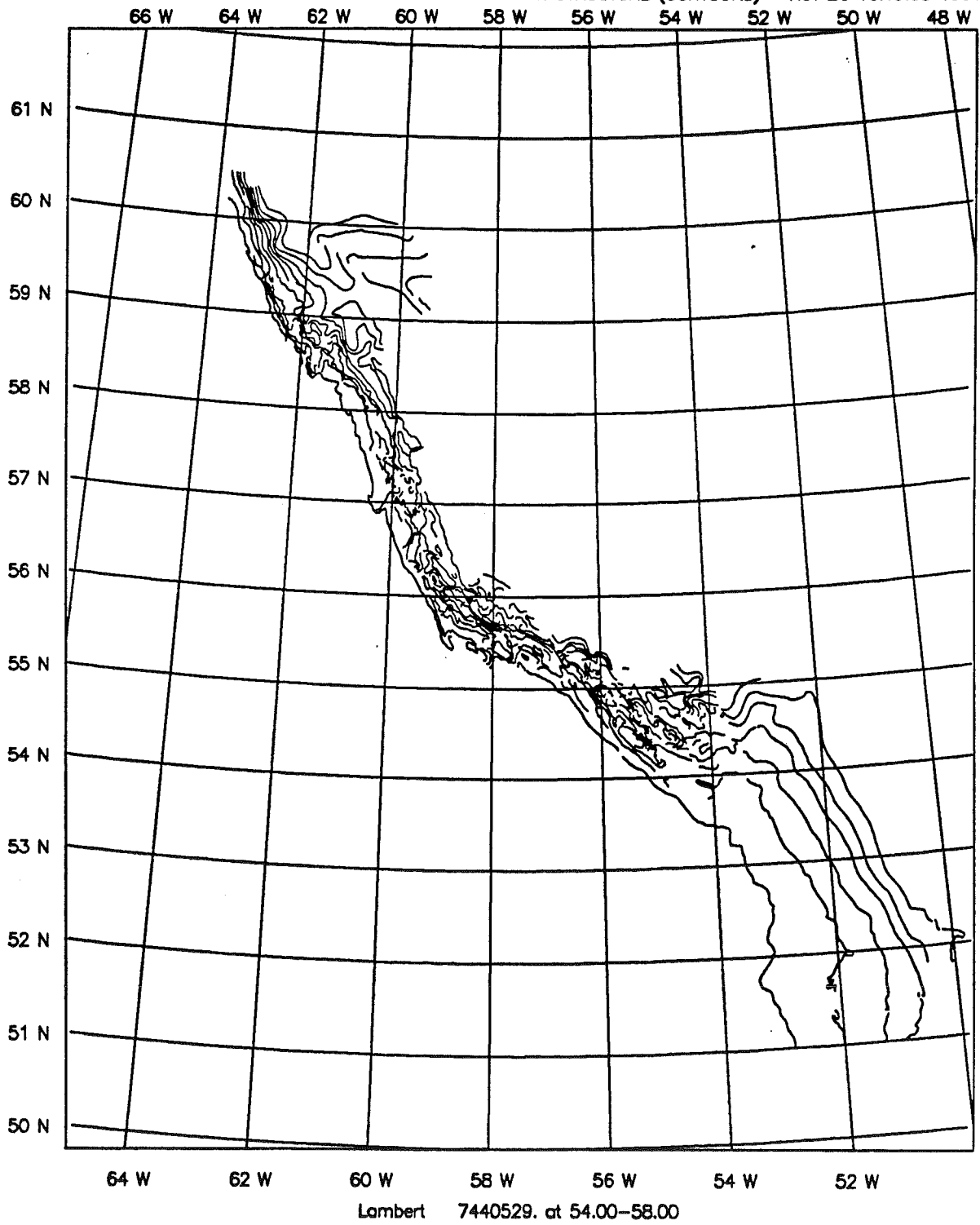
List of Labrador Sea data filenames with reference to
Atlas page number and map title

Plots of Labrador Sea .con and .add files

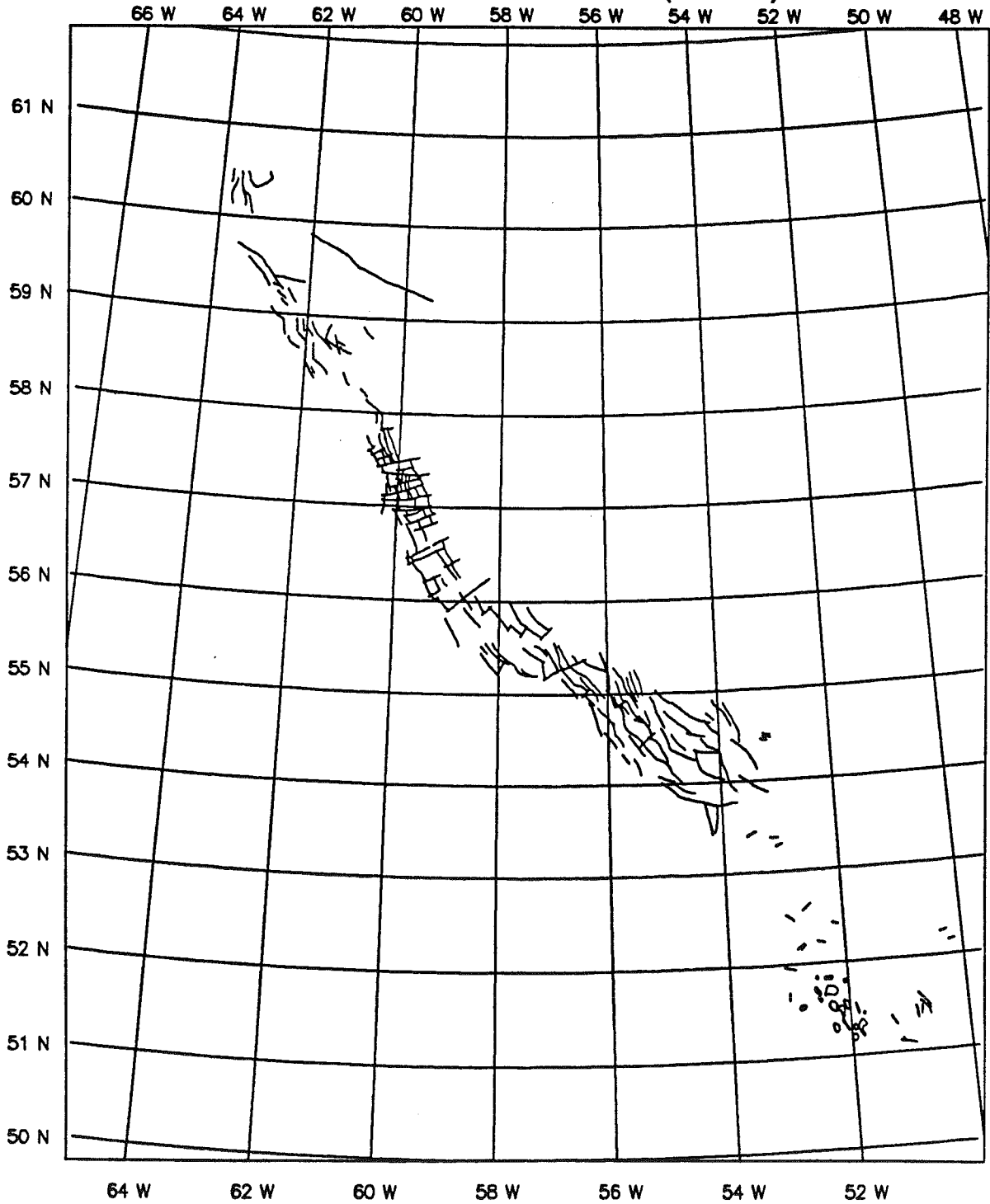
LABRADOR SEA BASIN ATLAS

<u>Pg.</u>	<u>Author</u>	<u>Filename</u>	<u>Title</u>
62	H.R. Balkwill et al	l62rgt	Basement Structure
64	H.R. Balkwill et al	l64lft l64rgt	Top Bjami Formation Structure Top Markland Formations Structure
66	H.R. Balkwill et al	l66lft l66rgt	Top Gudrid/Cartwright Formations Structure Top Kenamu Formation Structure
70	J.S.Bell et al	l70lft	Bjami Formation (Early Cretaceous), Isopach
72	J.S.Bell et al	l72lft	Markland Formation (Late Cretaceous to Early Paleocene), Isopach
74	J.S.Bell et al	l74lft	Gudrid/Cartwright Formations (Early Paleocene to Early Eocene), Isopach
76	J.S.Bell et al	l76lft	Kenamu Formation (Early to Late Eocene), Isopach

L62RGT.CON SUBCROP SURFACE AT SEIS. BSMT. & BSMT. STRUCTURE (CONTOURS) Nov 26 10:19:05 1991



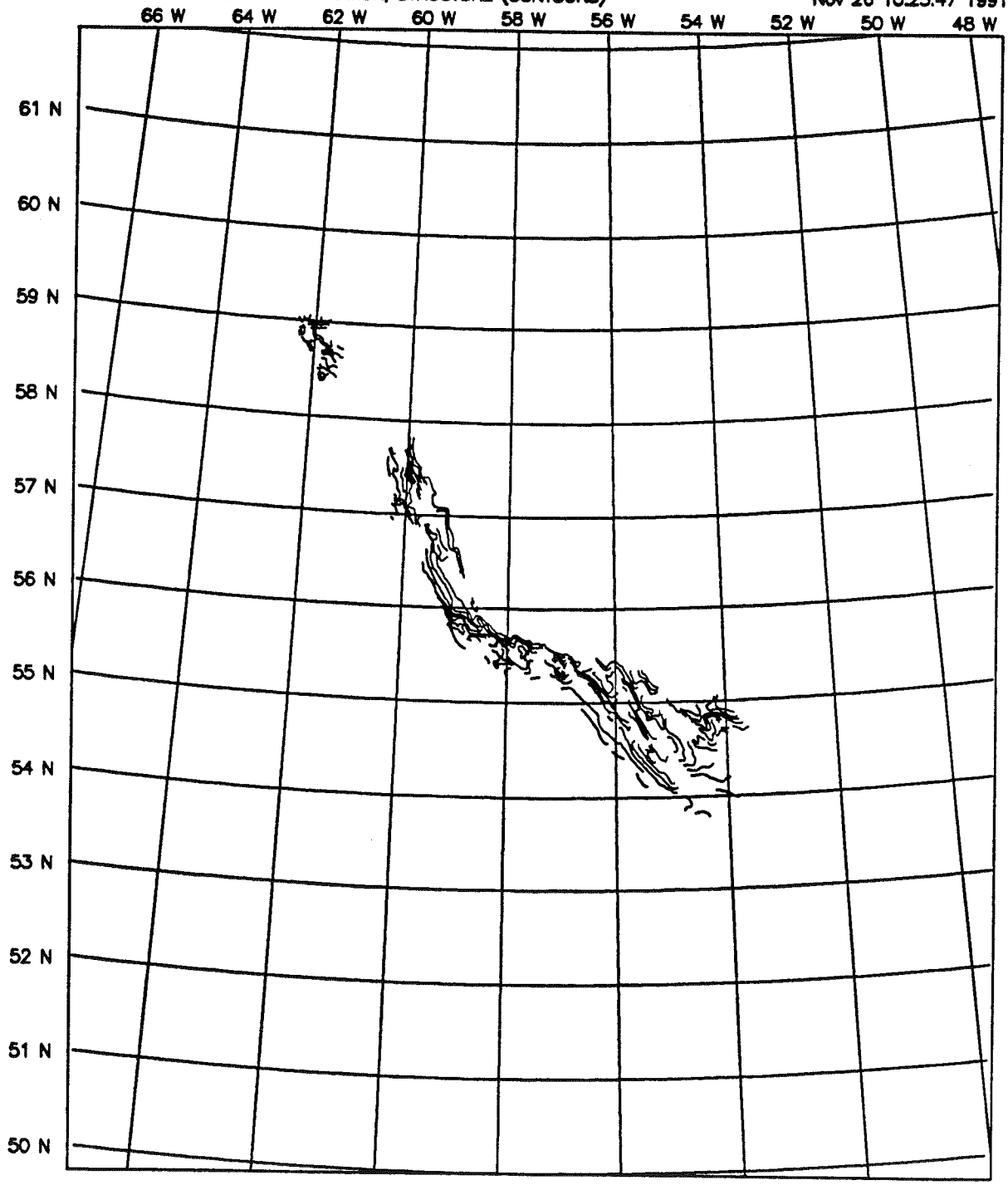
L62RGT.ADD SUBCROP SURFACE AT SEIS. BSMT. & BSMT. STRUCTURE (OTHER DATA) Nov 26 10:18:45 1991



Lambert 7440529. at 54.00-58.00

L64LFT.CON TOP BJARNI FORMATION, STRUCTURE (CONTOURS)

Nov 26 10:25:47 1991

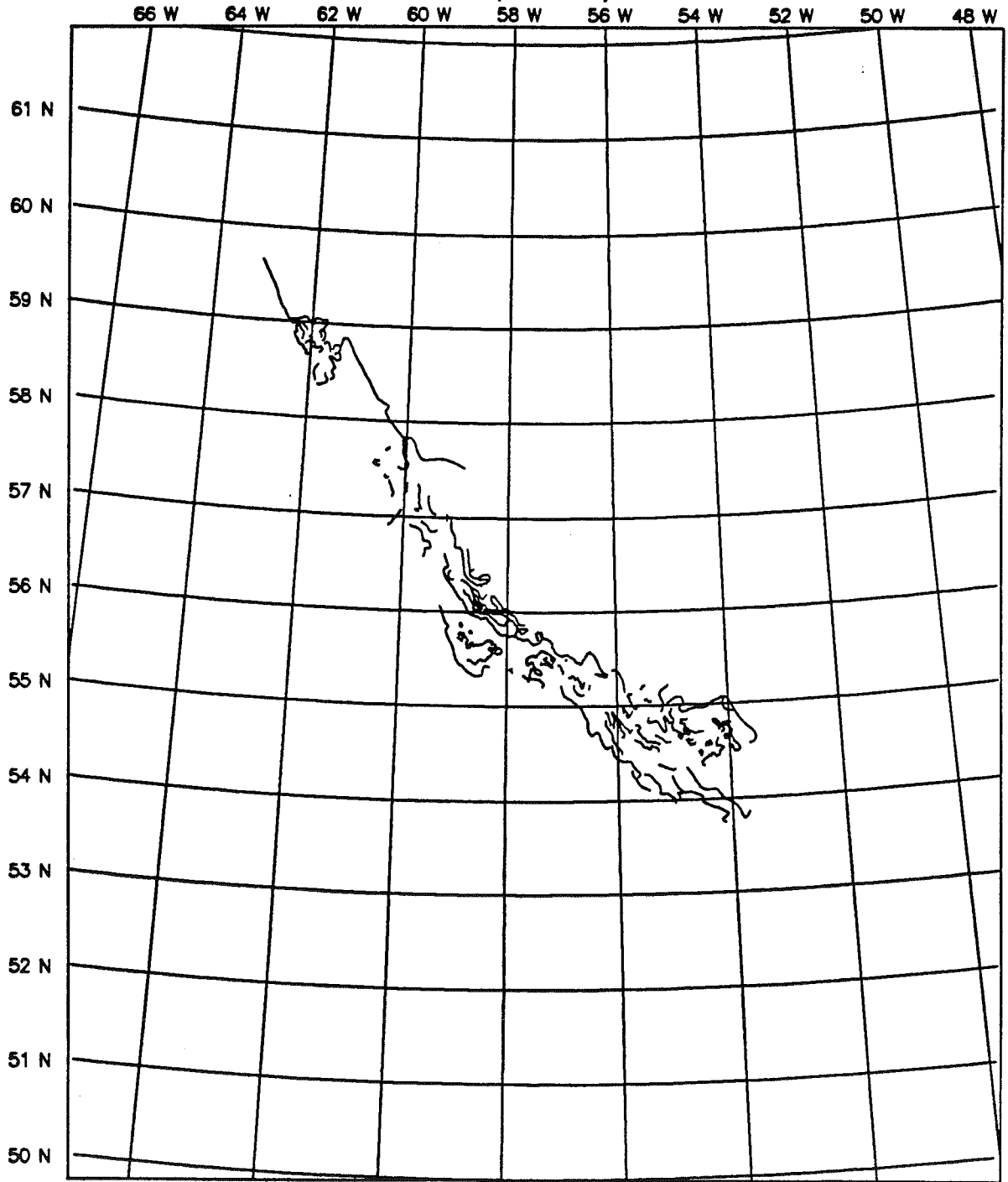


64 W 62 W 60 W 58 W 56 W 54 W 52 W

Lambert 7440529. at 54.00-58.00

L64LFT.ADD TOP BJARNI FORMATION, STRUCTURE (OTHER DATA)

Nov 26 10:25:29 1991

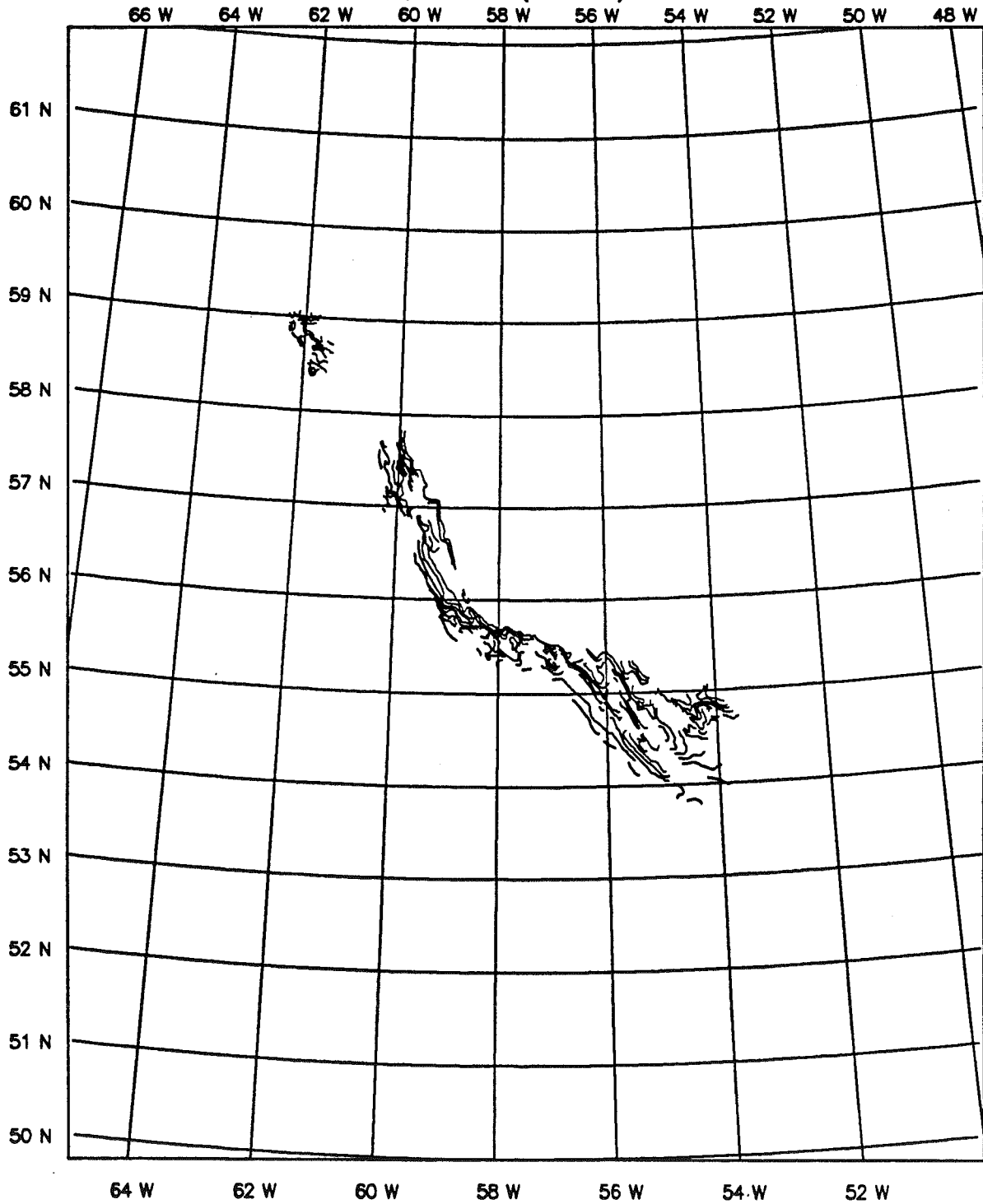


64 W 62 W 60 W 58 W 56 W 54 W 52 W

Lambert 7440529. at 54.00-58.00

L64RGT.CON TOP MARKLAND FORMATION, STRUCTURE (CONTOURS)

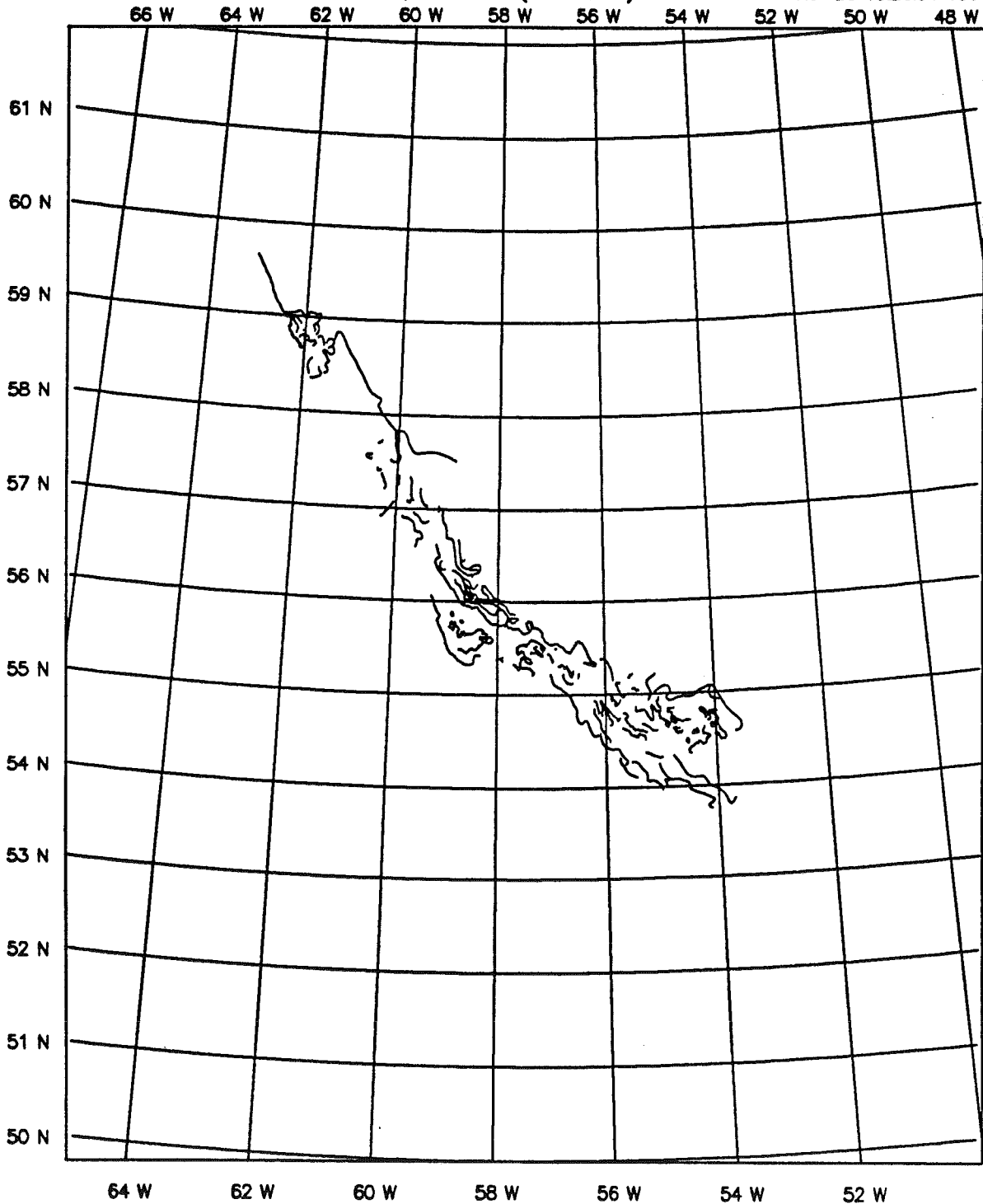
Nov 26 10:26:26 1991



Lambert 7440529. at 54.00-58.00

L64RGT.ADD TOP MARKLAND FORMATION, STRUCTURE (OTHER DATA)

Nov 26 10:26:01 1991

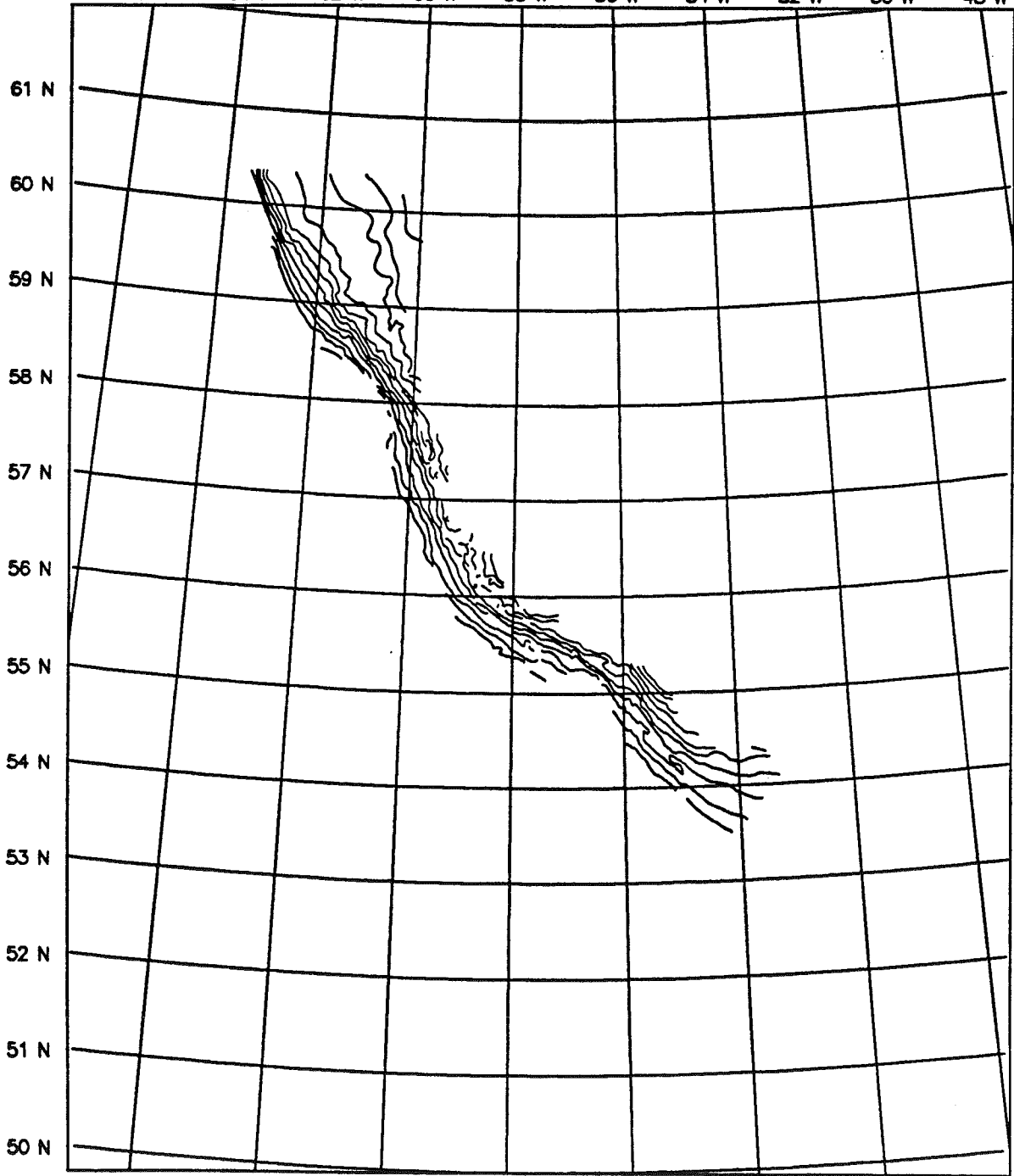


Lambert , 7440529, at 54.00-58.00

L66LFT.CON TOP GUDRID/CARTWRIGHT FORMATIONS, STRUCTURE (CONTOURS)

Nov 26 10:27:53 1991

66 W 64 W 62 W 60 W 58 W 56 W 54 W 52 W 50 W 48 W



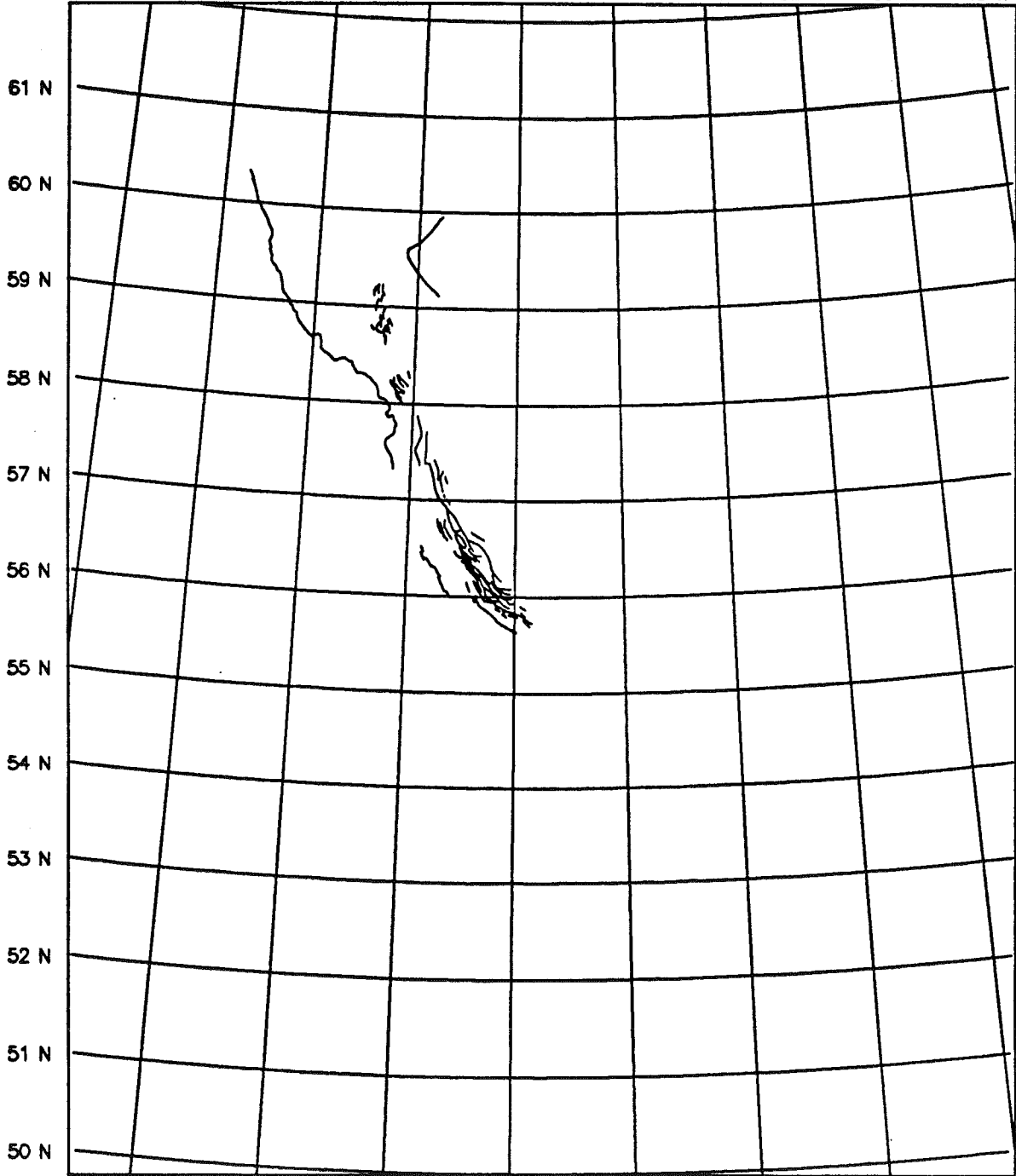
64 W 62 W 60 W 58 W 56 W 54 W 52 W

Lambert 7440529. at 54.00-58.00

L66LFT.ADD TOP GUDRID/CARTWRIGHT FORMATIONS, STRUCTURE (OTHER DATA)

Nov 26 10:27:19 1991

66 W 64 W 62 W 60 W 58 W 56 W 54 W 52 W 50 W 48 W

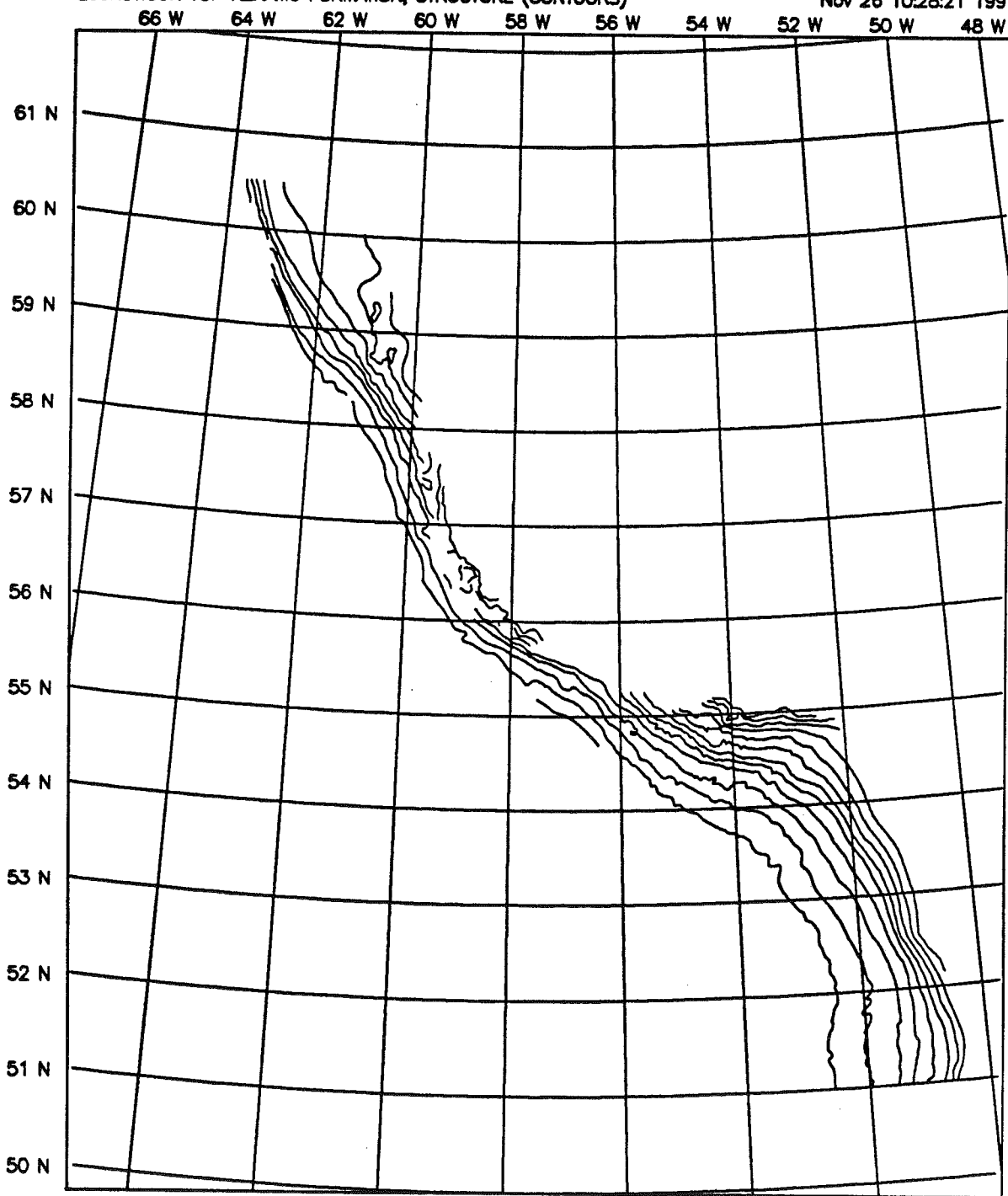


64 W 62 W 60 W 58 W 56 W 54 W 52 W

Lambert 7440529. at 54.00-58.00

L66RGT.CON TOP KENAMU FORMATION, STRUCTURE (CONTOURS)

Nov 26 10:28:21 1991

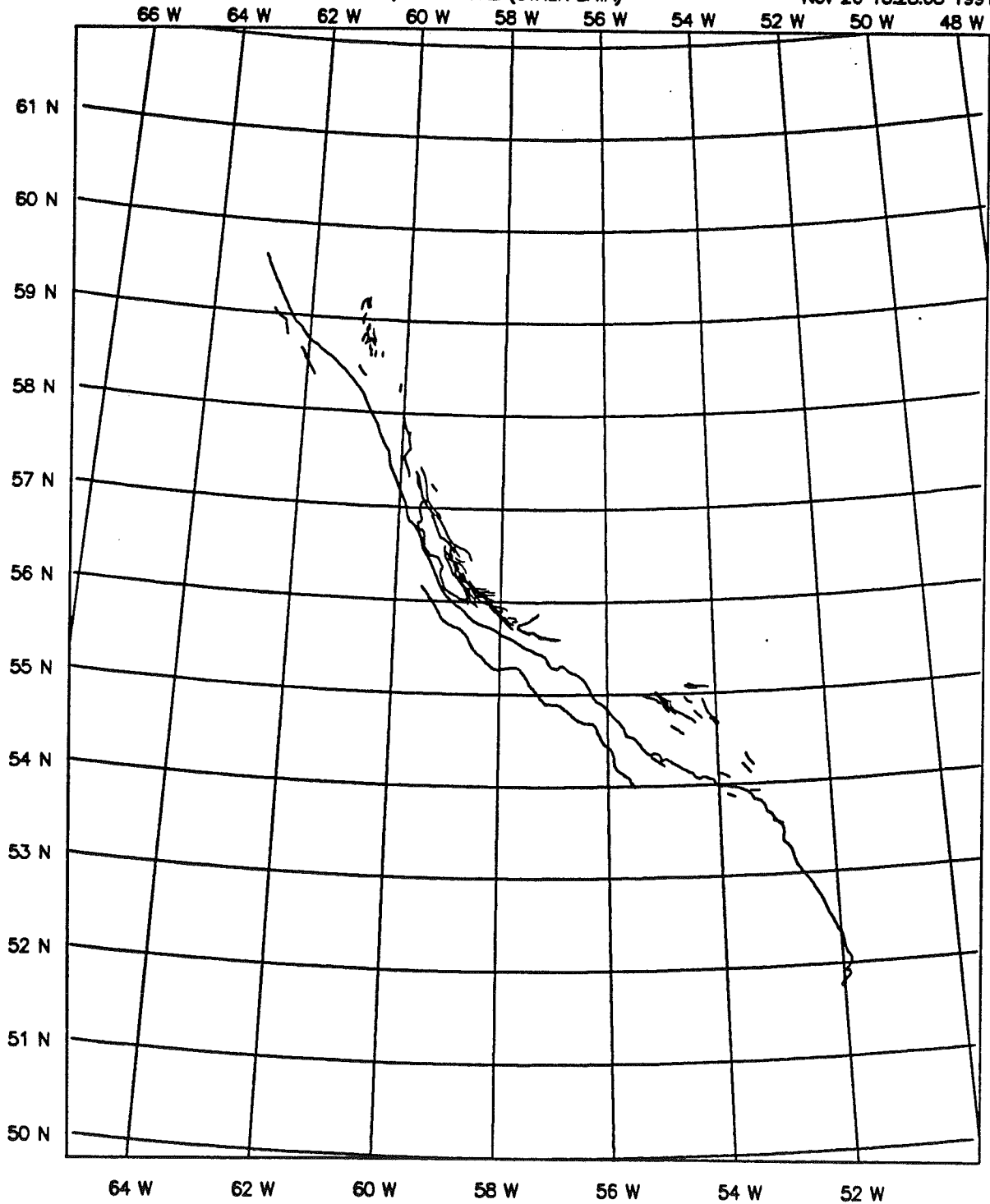


64 W 62 W 60 W 58 W 56 W 54 W 52 W

Lambert 7440529. at 54.00-58.00

L66RGT.ADD TOP KENAMU FORMATION, STRUCTURE (OTHER DATA)

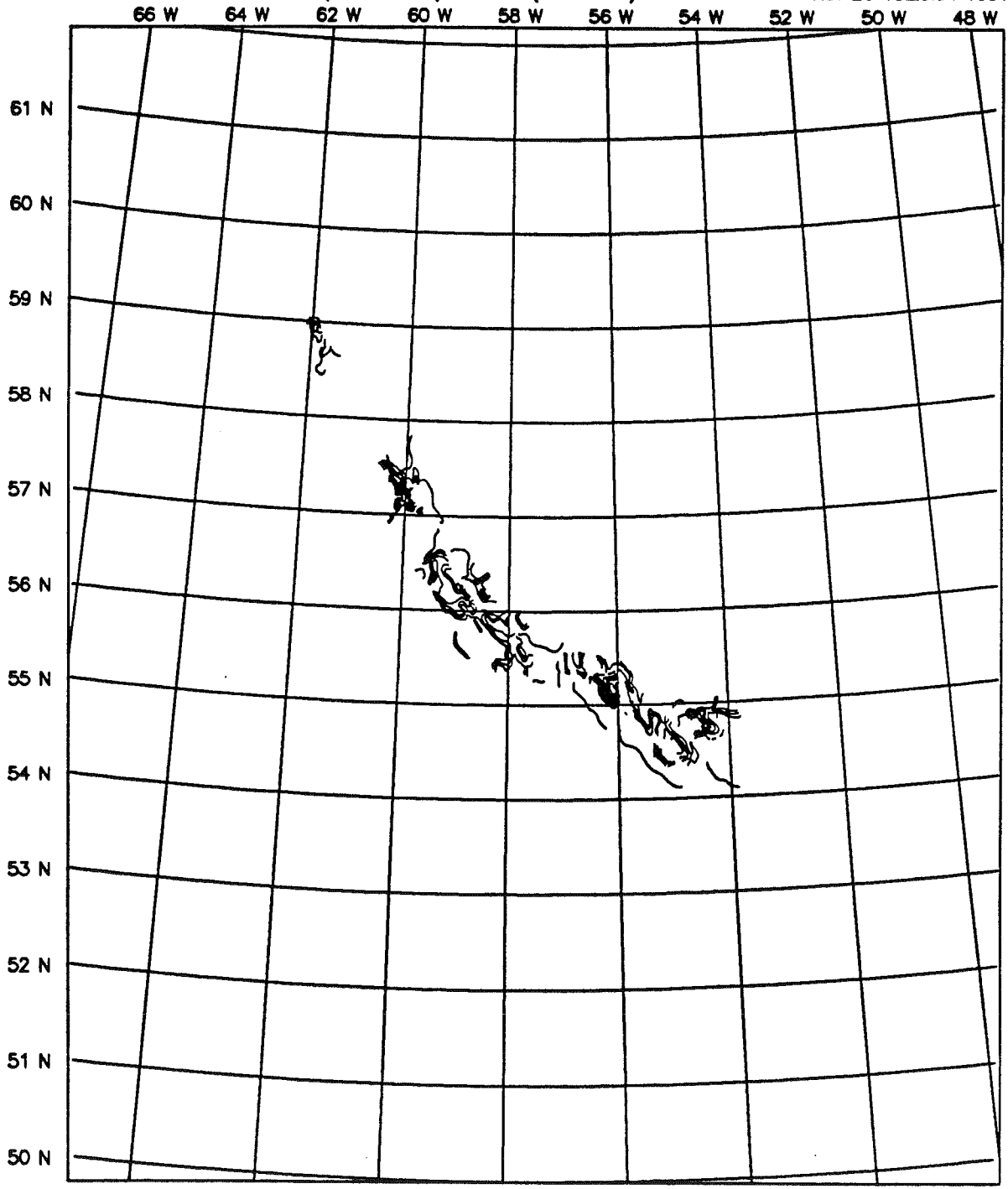
Nov 26 10:28:08 1991



Lambert 7440529. at 54.00-58.00

L70LFT.CON TOP BJARNI FM. (EARLY CRET.) ISOPACH (CONTOURS)

Nov 26 10:29:04 1991

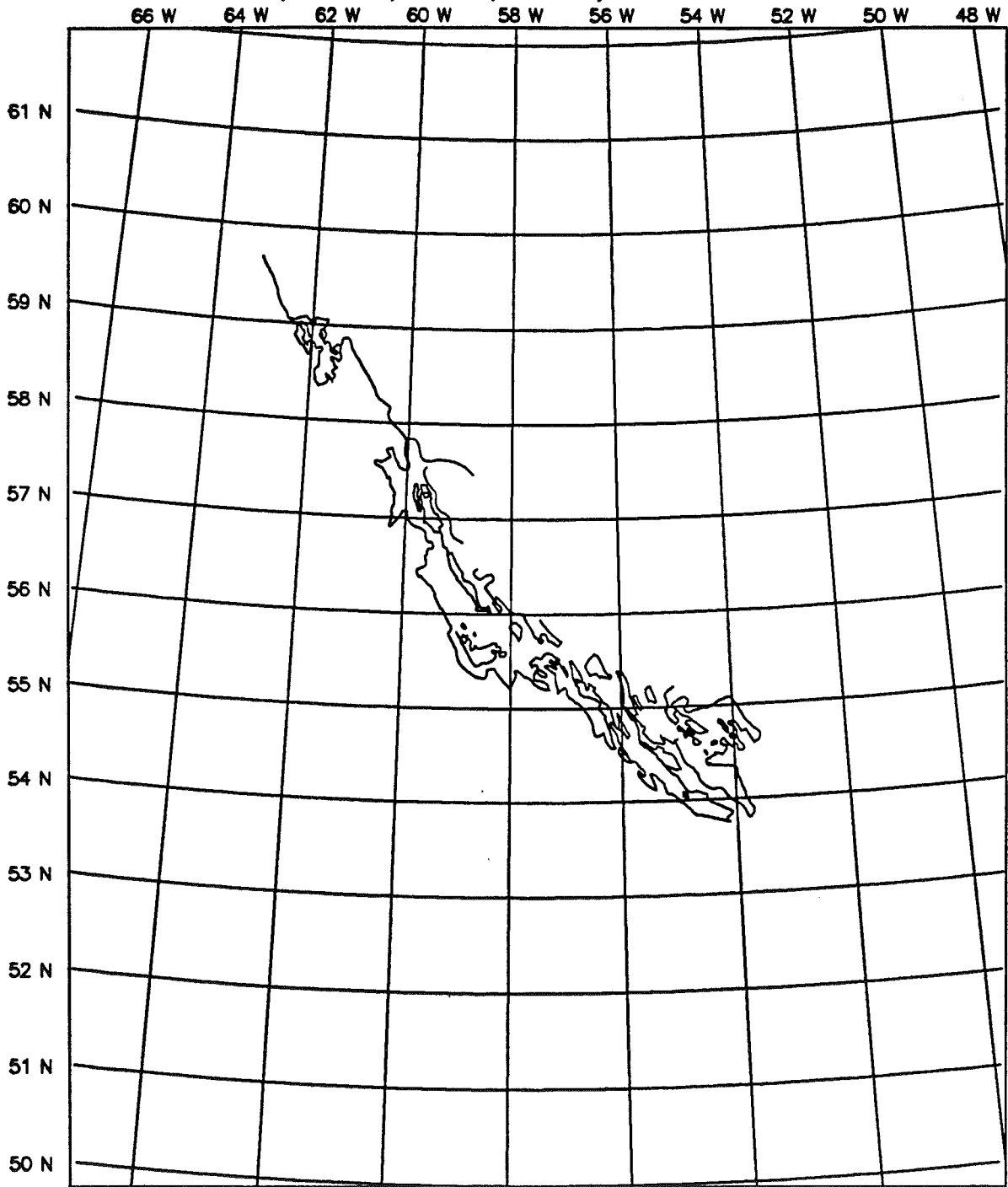


64 W 62 W 60 W 58 W 56 W 54 W 52 W

Lambert 7440529. at 54.00-58.00

L70LFT.ADD BJARNI FM. (EARLY CRET.) ISOPACH (OTHER DATA)

Nov 26 10:28:46 1991



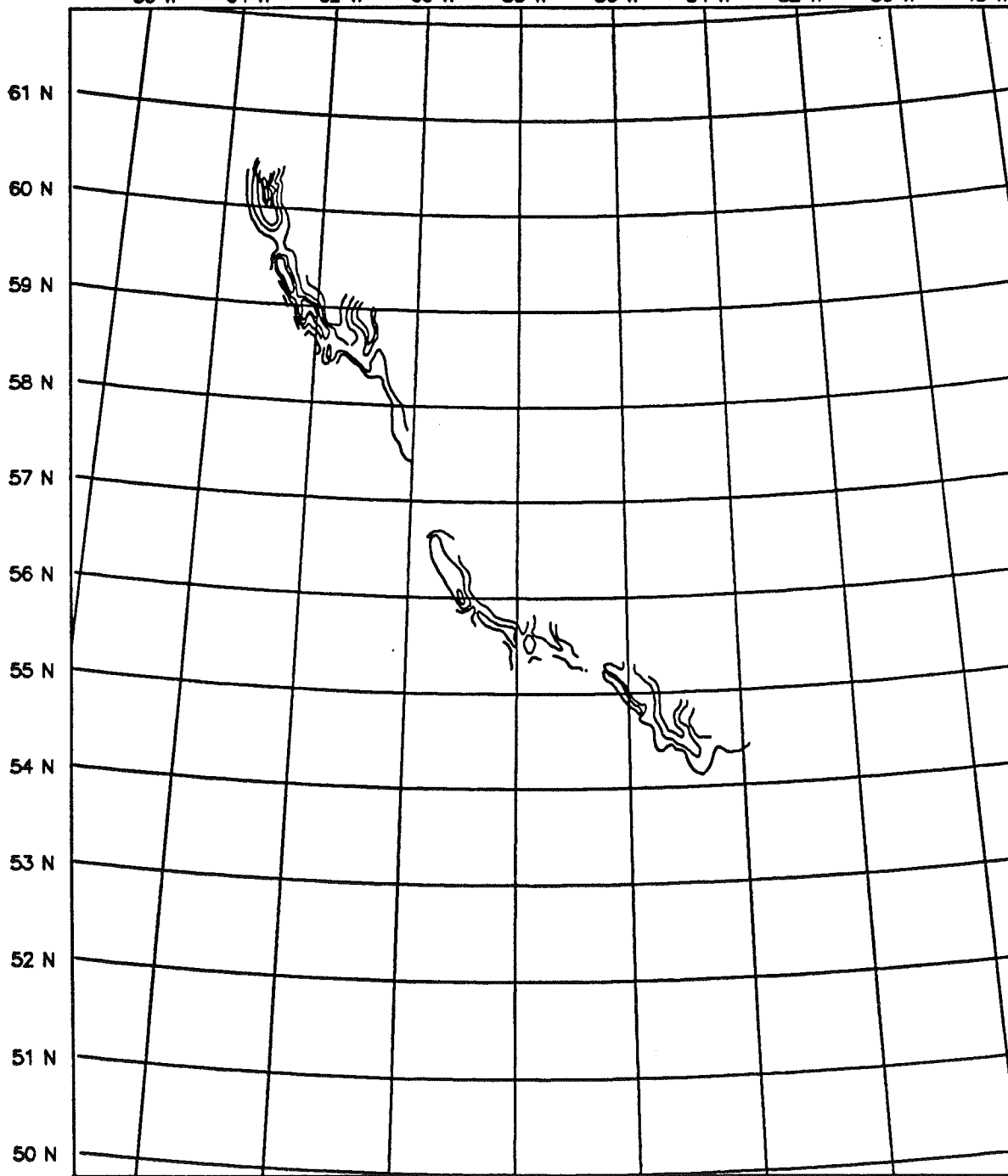
64 W 62 W 60 W 58 W 56 W 54 W 52 W

Lambert 7440529. at 54.00-58.00

L72LFT.CON MARKLAND FM (L. CRET. TO E. PALEOCENE) ISOPACH (CONTOURS)

Nov 26 10:29:55 1991

66 W 64 W 62 W 60 W 58 W 56 W 54 W 52 W 50 W 48 W

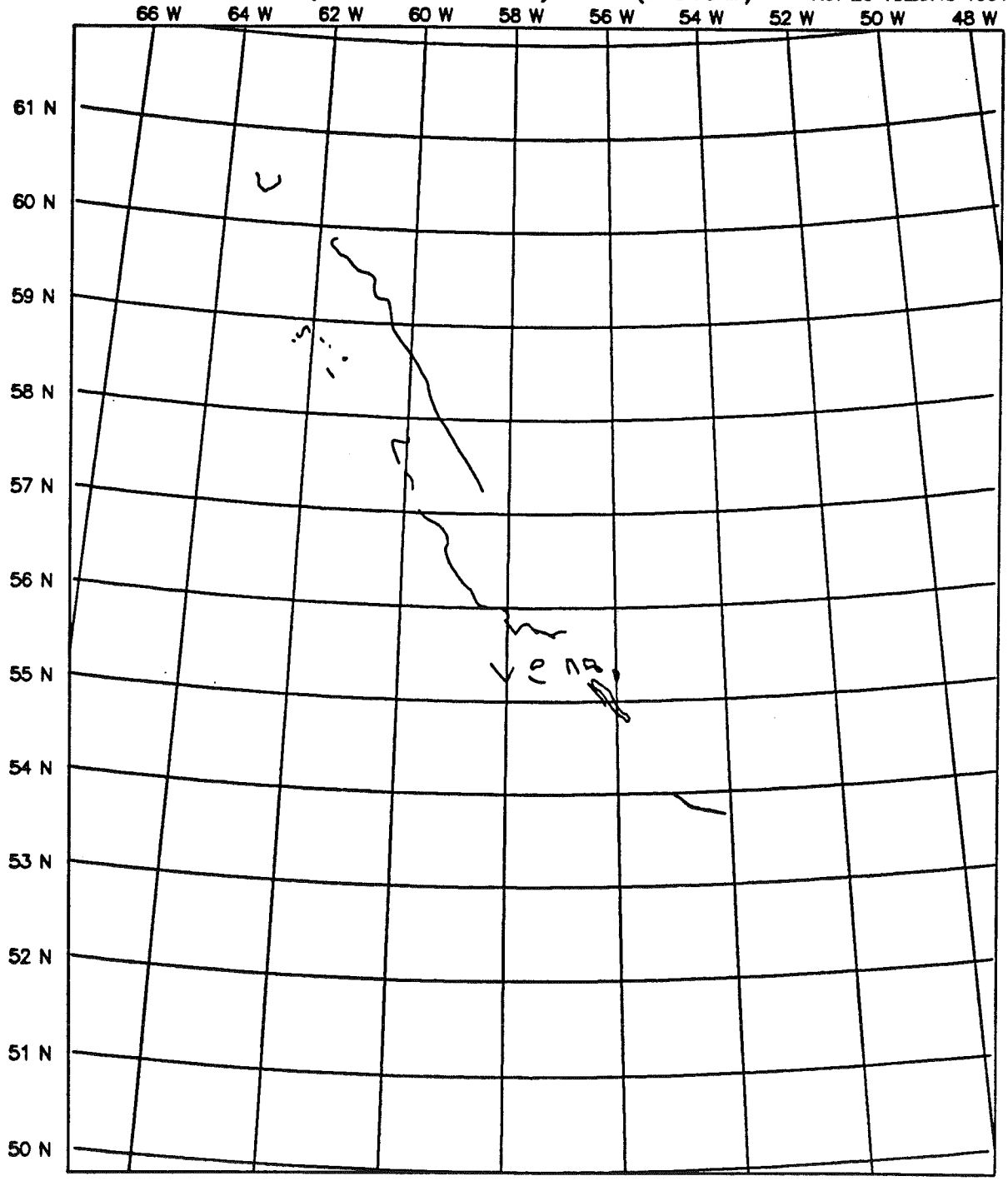


64 W 62 W 60 W 58 W 56 W 54 W 52 W

Lambert 7440529. at 54.00-58.00

L72LFT.ADD MARKLAND FM (L. CRET. TO E. PALEOCENE) ISOPACH (OTHER DATA)

Nov 26 10:29:45 1991

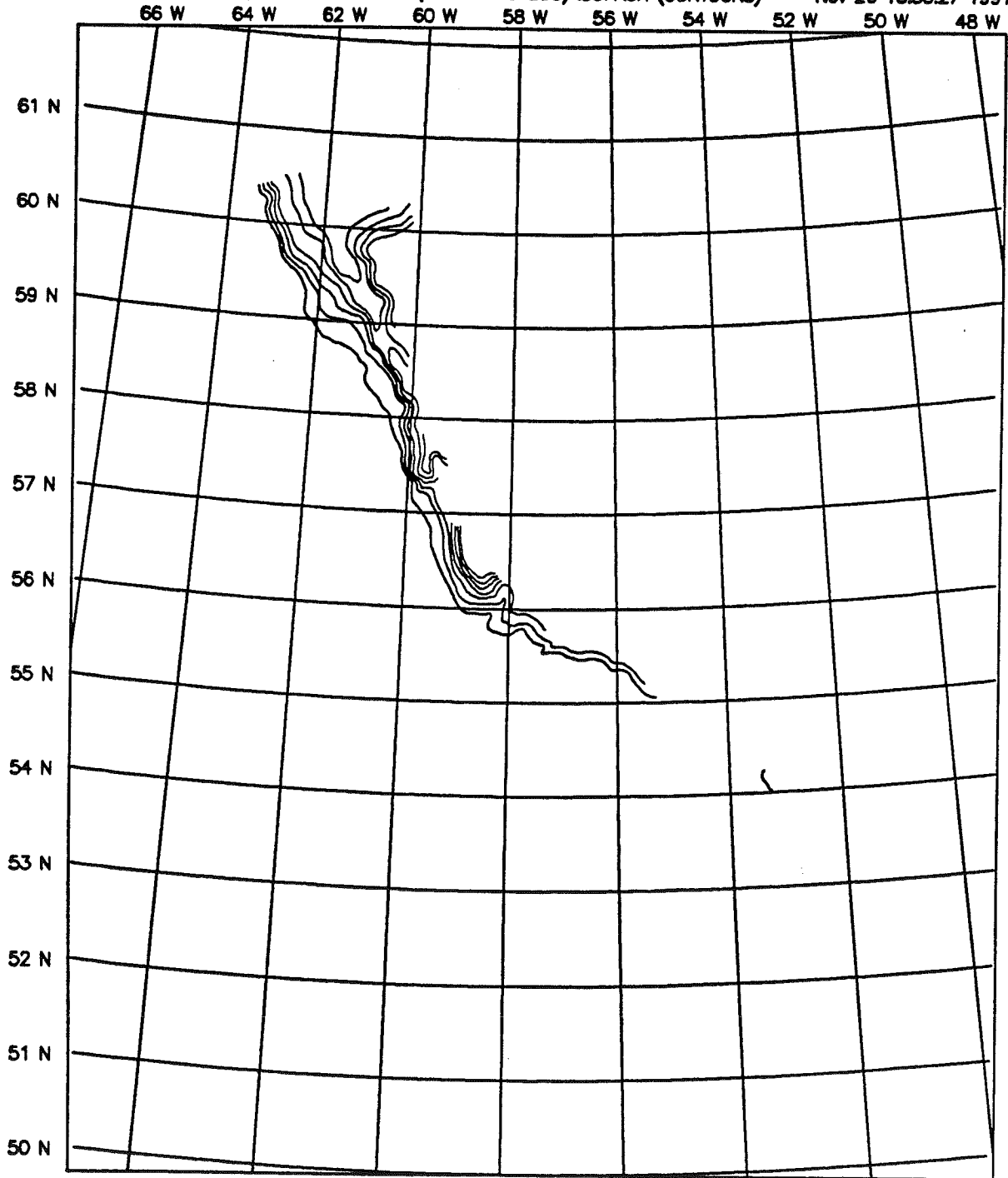


64 W 62 W 60 W 58 W 56 W 54 W 52 W

Lambert 7440529. at 54.00-58.00

L74LFT.CON GUDRID/CARTWRIGHT FMS (E PAL TO E EOC) ISOPACH (CONTOURS)

Nov 26 10:30:27 1991

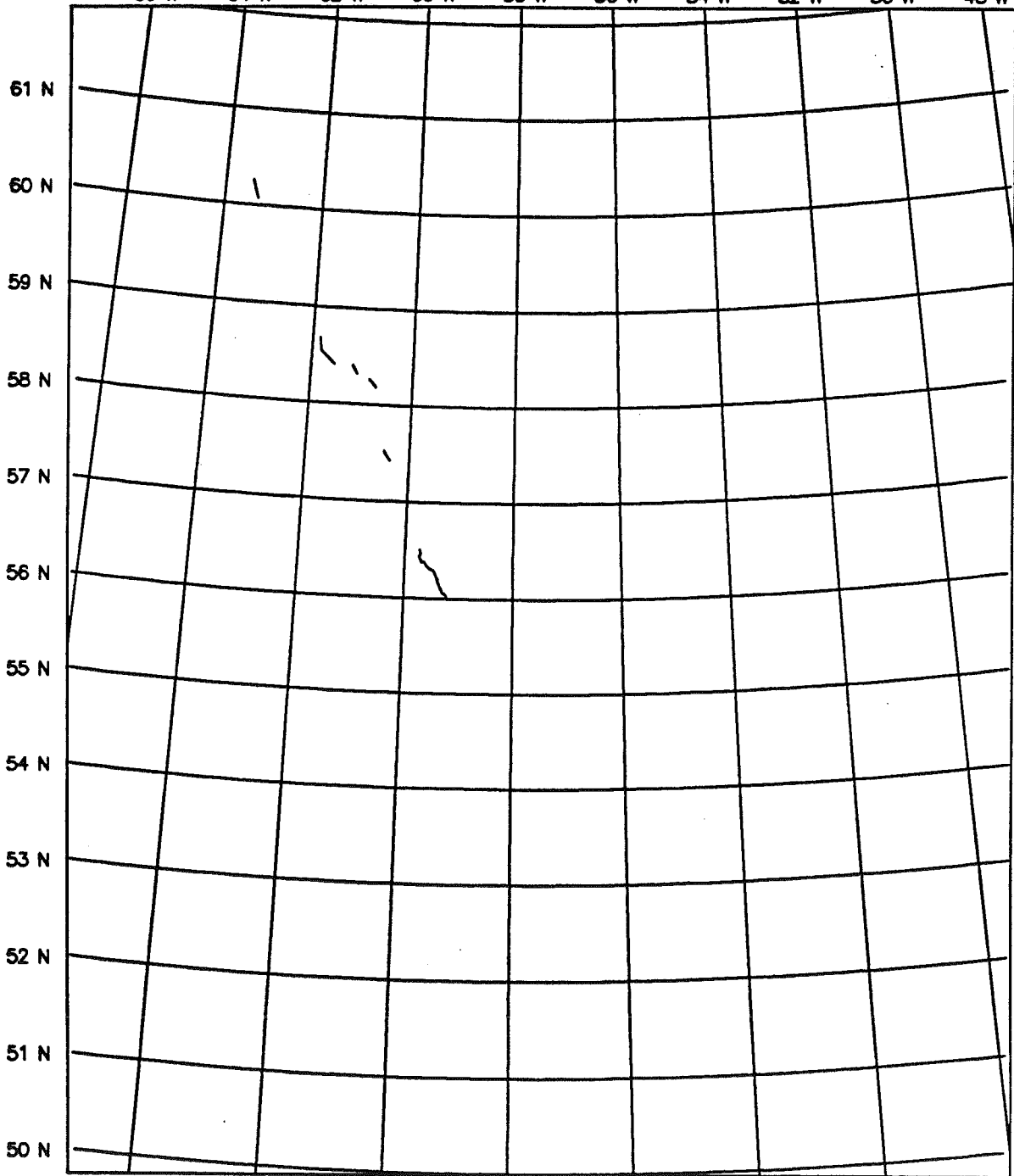


64 W 62 W 60 W 58 W 56 W 54 W 52 W

Lambert 7440529. at 54.00-58.00

L74LFT.ADD GUDRID/CARTWRIGHT FMS (E PAL TO E EOC.) ISOPACH (OTHER DATA) Nov 26 10:30:07 1991

66 W 64 W 62 W 60 W 58 W 56 W 54 W 52 W 50 W 48 W

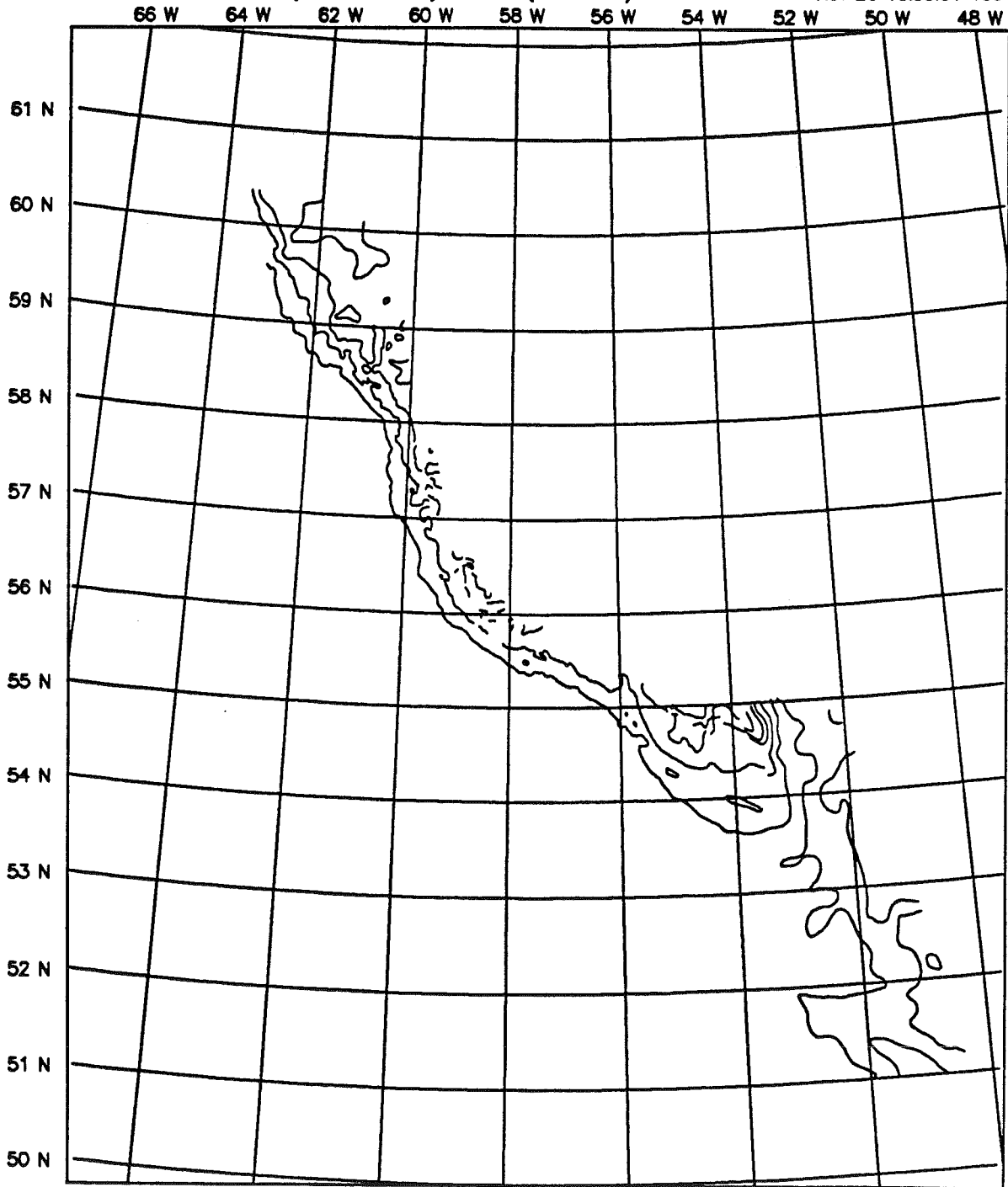


64 W 62 W 60 W 58 W 56 W 54 W 52 W

Lambert 7440529. at 54.00-58.00

L76LFT.CON KENAMU FM (E TO L EOCENE) ISOPACH (CONTOURS)

Nov 26 10:30:51 1991

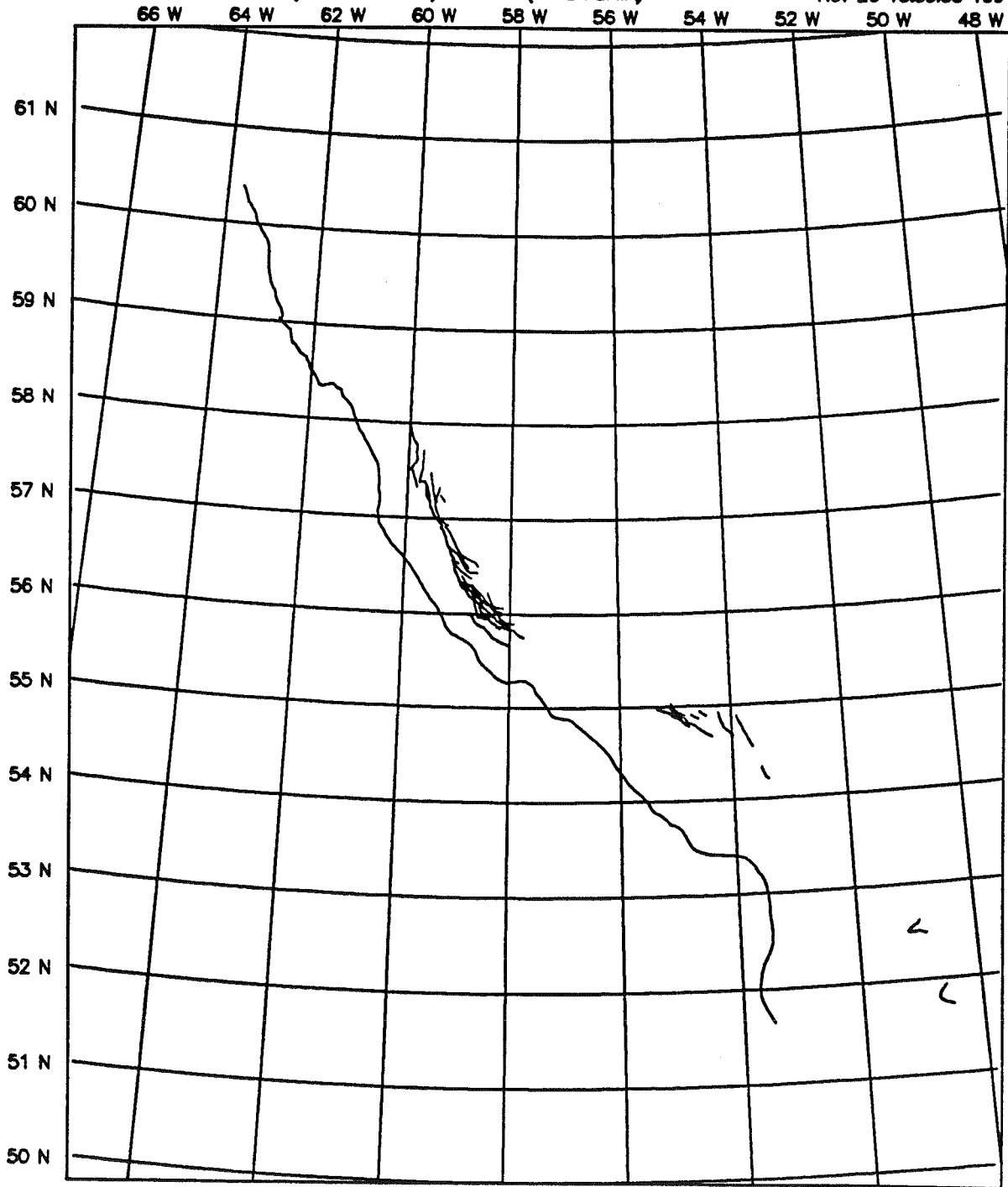


64 W 62 W 60 W 58 W 56 W 54 W 52 W

Lambert 7440529. at 54.00-58.00

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