

UNITED STATES DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

Ice Gouge Data Sets from the Alaskan Beaufort Sea: Magnetic Tape  
and Documentation for Computer Assisted Analyses and Correlation

by

Douglas M. Rearic and A. Graig McHendrie<sup>1</sup>

Open-File Report 83-706

This report is preliminary and has not been reviewed for conformity with  
U.S. Geological Survey editorial standards and stratigraphic nomenclature.

1. Menlo Park, California

1983

Ice Gouge Data Sets from the Alaskan Beaufort Sea: Magnetic Tape  
and Documentation for Computer Assisted Analyses and Correlation

By

Douglas M. Rearic  
and  
A. Graig McHendrie

Two ice gouge studies have produced data on the size, density, orientation, and location of ice gouges in the Alaskan Beaufort Sea (Rearic et al., 1981 and Reimnitz et al., 1982) (Fig. 1). The large size of the data set required computer assisted methods for the analyses and correlation of the ice gouge characteristics (Barnes et al., in press; Reimnitz et al., 1982; and Weeks et al., in press). This report contains the documentation on the format and data fields for digital tapes that are available from National Geophysical Data Center., NOAA-Code E64, 325 Broadway, Boulder, Colorado 80303, telephone (303) 497-6338. The data are on two tape files. File 1 contains 2071 records of data for the Beaufort Sea shelf west of the Canning River ( $\sim 146^{\circ}\text{W}$ ) and corresponds to U.S. Geological Survey Open-File Report #81-950. File 2 contains 372 records of data for the U.S. Beaufort Sea shelf east of the Canning River and corresponds to U.S. Geological Survey Open-File Report #82-974.

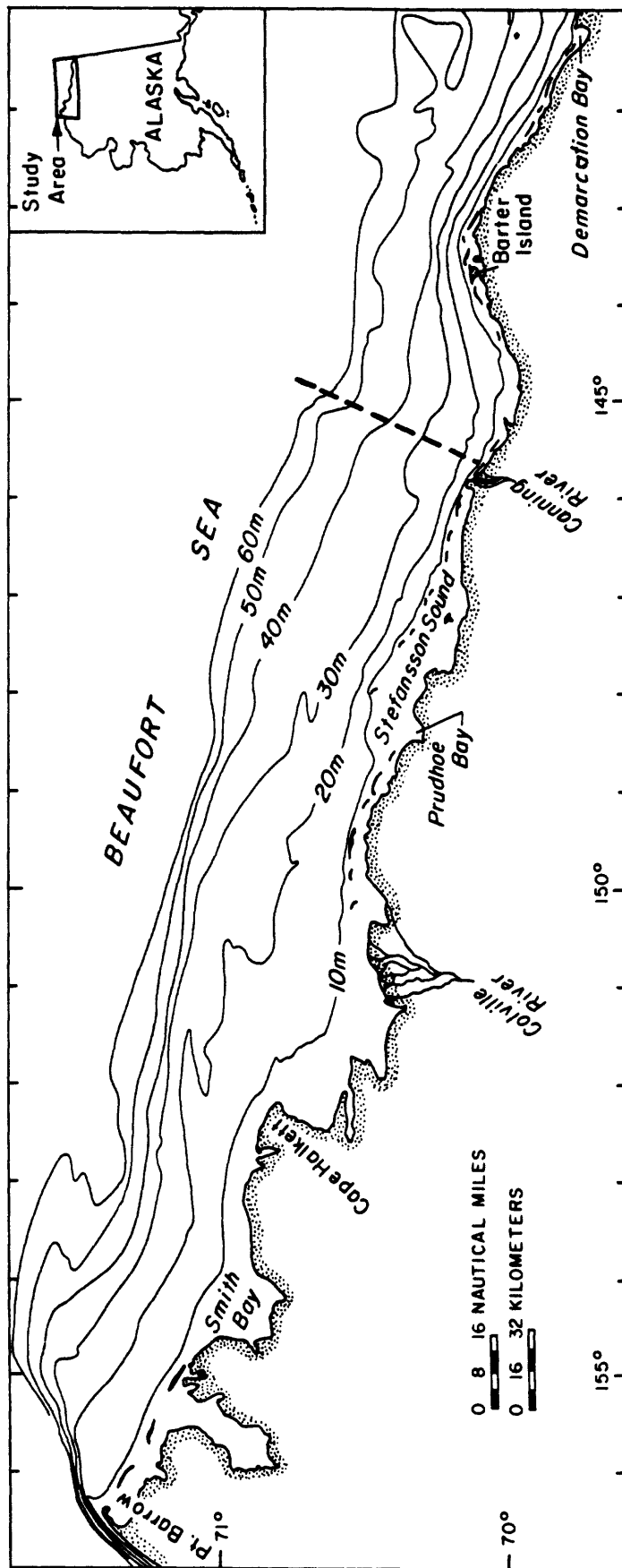


Figure 1. Location map for ice gouge data ( magnetic tape files 1 and 2 ) of the Alaskan Beaufort Sea shelf. Dashed line extending offshore from the Canning River is the approximate division between file 1 data ( west of dashed line ) and file 2 ( east of dashed line ). Trackline locations may be found by consulting U.S.G.S. Open-File Reports #81-950 and #82-974.

Record is 199 chars. long

"/me" and "segn" are right justified.

justified  
and good  
id.

Sort file on fields/length  
1/2 6/3 166/4

Columns 4-11  
(Y<sub>1</sub> + line + P<sub>1</sub>)  
can be used as 8 char  
unique i.d. for each  
record

Day	Yr	Line	P <sub>1</sub>	P <sub>2</sub>	lat	lon	lat1	lon1	kmi	time	depth	dist	cse	Obs Overl	Aid Overl	long sub	dist sub	nei	conf	done	time
5	5	5	5	5	X 26	X 41	X 77	X 41	5	5	4	5	5			2	2	3	2		
5	5	5	5	5	X 26	X 41	X 77	X 41	5	5	4	5	5			2	2	3	2		
5	5	5	5	5	X 26	X 41	X 77	X 41	5	5	4	5	5			2	2	3	2		
5	5	5	5	5	X 26	X 41	X 77	X 41	5	5	4	5	5			2	2	3	2		
5	5	5	5	5	X 26	X 41	X 77	X 41	5	5	4	5	5			2	2	3	2		
5	5	5	5	5	X 26	X 41	X 77	X 41	5	5	4	5	5			2	2	3	2		
5	5	5	5	5	X 26	X 41	X 77	X 41	5	5	4	5	5			2	2	3	2		
5	5	5	5	5	X 26	X 41	X 77	X 41	5	5	4	5	5			2	2	3	2		
5	5	5	5	5	X 26	X 41	X 77	X 41	5	5	4	5	5			2	2	3	2		
5	5	5	5	5	X 26	X 41	X 77	X 41	5	5	4	5	5			2	2	3	2		
5	5	5	5	5	X 26	X 41	X 77	X 41	5	5	4	5	5			2	2	3	2		
5	5	5	5	5	X 26	X 41	X 77	X 41	5	5	4	5	5			2	2	3	2		
5	5	5	5	5	X 26	X 41	X 77	X 41	5	5	4	5	5			2	2	3	2		
5	5	5	5	5	X 26	X 41	X 77	X 41	5	5	4	5	5			2	2	3	2		
5	5	5	5	5	X 26	X 41	X 77	X 41	5	5	4	5	5			2	2	3	2		
5	5	5	5	5	X 26	X 41	X 77	X 41	5	5	4	5	5			2	2	3	2		
5	5	5	5	5	X 26	X 41	X 77	X 41	5	5	4	5	5			2	2	3	2		
5	5	5	5	5	X 26	X 41	X 77	X 41	5	5	4	5	5			2	2	3	2		
5	5	5	5	5	X 26	X 41	X 77	X 41	5	5	4	5	5			2	2	3	2		
5	5	5	5	5	X 26	X 41	X 77	X 41	5	5	4	5	5			2	2	3	2		
5	5	5	5	5	X 26	X 41	X 77	X 41	5	5	4	5	5			2	2	3	2		
5	5	5	5	5	X 26	X 41	X 77	X 41	5	5	4	5	5			2	2	3	2		
5	5	5	5	5	X 26	X 41	X 77	X 41	5	5	4	5	5			2	2	3	2		
5	5	5	5	5	X 26	X 41	X 77	X 41	5	5	4	5	5			2	2	3	2		
5	5	5	5	5	X 26	X 41	X 77	X 41	5	5	4	5	5			2	2	3	2		
5	5	5	5	5	X 26	X 41	X 77	X 41	5	5	4	5	5			2	2	3	2		
5	5	5	5	5	X 26	X 41	X 77	X 41	5	5	4	5	5			2	2	3	2		
5	5	5	5	5	X 26	X 41	X 77	X 41	5	5	4	5	5			2	2	3	2		
5	5	5	5	5	X 26	X 41	X 77	X 41	5	5	4	5	5			2	2	3	2		
5	5	5	5	5	X 26	X 41	X 77	X 41	5	5	4	5	5			2	2	3	2		
5	5	5	5	5	X 26	X 41	X 77	X 41	5	5	4	5	5			2	2	3	2		
5	5	5	5	5	X 26	X 41	X 77	X 41	5	5	4	5	5			2	2	3	2		
5	5	5	5	5	X 26	X 41	X 77	X 41	5	5	4	5	5			2	2	3	2		
5	5	5	5	5	X 26	X 41	X 77	X 41	5	5	4	5	5			2	2	3	2		
5	5	5	5	5	X 26	X 41	X 77	X 41	5	5	4	5	5			2	2	3	2		
5	5	5	5	5	X 26	X 41	X 77	X 41	5	5	4	5	5			2	2	3	2		
5	5	5	5	5	X 26	X 41	X 77	X 41	5	5	4	5	5			2	2	3	2		
5	5	5	5	5	X 26	X 41	X 77	X 41	5	5	4	5	5			2	2	3	2		
5	5	5	5	5	X 26	X 41	X 77	X 41	5	5	4	5	5			2	2	3	2		
5	5	5	5	5	X 26	X 41	X 77	X 41	5	5	4	5	5			2	2	3	2		
5	5	5	5	5	X 26	X 41	X 77	X 41	5	5	4	5	5			2	2	3	2		
5	5	5	5	5	X 26	X 41	X 77	X 41	5	5	4	5	5			2	2	3	2		
5	5	5	5	5	X 26	X 41	X 77	X 41	5	5	4	5	5			2	2	3	2		
5	5	5	5	5	X 26	X 41	X 77	X 41	5	5	4	5	5			2	2	3	2		
5	5	5	5	5	X 26	X 41	X 77	X 41	5	5	4	5	5			2	2	3	2		
5	5	5	5	5	X 26	X 41	X 77	X 41	5	5	4	5	5			2	2	3	2		
5	5	5	5	5	X 26	X 41	X 77	X 41	5	5	4	5	5			2	2	3	2		
5	5	5	5	5	X 26	X 41	X 77	X 41	5	5	4	5	5			2	2	3	2		
5	5	5	5	5	X 26	X 41	X 77	X 41	5	5	4	5	5			2	2	3	2		
5	5	5	5	5	X 26	X 41	X 77	X 41	5	5	4	5	5			2	2	3	2		
5	5	5	5	5	X 26	X 41	X 77	X 41	5	5	4	5	5			2	2	3	2		
5	5	5	5	5	X 26	X 41	X 77	X 41	5	5	4	5	5			2					

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50					
140	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120
140	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120
140	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120
140	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120
140	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120
140	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120
140	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120
140	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120
140	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120
140	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120
140	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120
140	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120
140	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120
140	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120
140	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120
140	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120
140	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120
140	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120
140	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120
140	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120
140	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120
140	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120
140	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120
140	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120
140	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120
140	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120
140	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120
140	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120
140	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120
140	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64																												

## DATA DICTIONARY

FOR DATA: Ice Gauges

BY PERSON: Craig M Hendrie

ON DATE: March 20, 1981  
Revised May 17, 1982

Datum No.	Datum Name	English Name	Description	Allowed Values	Type	Merged Nav/pre-SRSS Columns		Justification	Source	Missing Datum	
						Format	Format			Value	Set By
1	Day	Day	* Julian day number	1-366	A	3-5/1-2	43/42	R	Hand Coding	NA	NA
2	YR	Year	last 2 digits of year		I	1-2/3-5	42/43	NA	Hand Coding	NA	NA
3	LINE	Line number	Track line identifier		A	6-8/6-8	43/43	R	Hand Coding	NA	NA
4	P1	Point 1	Interval start point	A-EEE	A	9-11/9-11	43/43	L	Hand Coding	NA	NA
5	P2	Point 2	Interval end point	A-EEE END	A	12-15/12-15	44/44	L	Hand Coding	NA	NA
6	LAT	Latitude	Latitude of P1		D	16-23/16-22	48.5/47.5	NA	Program merge-nav	NA	NA
7	LON	Longitude	Longitude of P1		D	24-33/23-31	48.5/47.5	NA	Program merge-nav	NA	NA
8	LATI	Interval Lat	Latitude at mid-point of interval		D	34-41/32-38	48.5/47.5	NA	Program interp-nav	NA	NA
9	LONI	Interval Long	Longitude at mid-point		D	42-51/39-47	48.5/47.5	NA	Program interp-nav	NA	NA
10	KMI	Interval No.	Interval number, in kilometers from start of line.	0:999	I	52-54/48-50	43/43	R	Hand Coding	999	NA
11	TIME	Time of day	Time at P1, hours decimal minutes in hhmm.m	0000.0-2359.9	A	55-60/51-55	46.1/45.1	NA	Hand Coding	NA	NA
12	DPTH	Water depth	Depth in meters	0.1:999.9/-1.0	D	61-65/56-59	45.1/44.1	NA	Hand Coding	-1.0	check.fmt-dp
13	DIST	Distance	Straight line distance between P1 and nearest coastal point, in kilometers	0.1:99.9	D	66-69/60-62	44.1/43.1	NA	Hand Coding	99.9	check.fmt-dp
14	CSE	Course	Ships heading, degrees True	0-360	I	70-72/63-65	43/43	NA	Hand Coding	999	NA

\* Type: A=alpha, I=integer, D=decimal

GSH March 1981

2/5

DATA DICTIONARY

FOR DATA: Ice Gauges, Page 2

BY PERSON:

ON DATE:

Datum No.	Datum Name	English Name	Description	Allowed Values	Type	Header/Nav/Columns	pre-SPSS Format	Justification	Source	Missing Value	Missing Datum Set By
15	DOMO	Dominant Orientation, observed	Observed orientation of dominant gauges, relative to track line	0:360	I	74-76/67-69	i3 / i3	R	Hand Coding	999	hand coding
16	SUBO	Subordinate Observed orientation	Observed orientation of subordinate gauges.	0:360	I	77-79/70-72	i3 / i3	R	Hand Coding	999	hand coding
17	DOMA	Dominant orientation, adjusted	Orientation of dominant gauges, adjusted by ship's course to geographic orientation.	0:180	I	80-82/83-85	i3 / i3	NA	Hand coding (0-360), check-fmt-dp, to 000-180	-1	check-fmt-dp
18	SUBA	Subordinate adjusted orientation	Subordinate orientation, adjusted to geographic N/S	0:180	I	83-85/86-88	i3 / i3	NA	ibid	-1	check-fmt-dp
19	VARI	Orientation Variability	Code for variability in orientations: L=low (or 2 values), M=medium (or 1 value), H=high (wide scatter)		F	86 / 79	a1 / a1	NA	Hand Coding	NA	NA
20	NOI	Number of Incisions	Number of incisions in interval	0:999	I	87-89/90-92	i3 / i3	R	Hand Coding	999	check-fmt-dp
21	CORF	Correction Factor	Factor for relative orientation, record width and length	0.01 : 9.99	D	90-93/93-95	f4.2 / f3.2	NA	Hand Coding	9.99	hand coding
22	DENS	Gauge Density	Number of gauges/sq. km	0.1:999.9 / -1.0	D	94-96/96-98	f5.1 / f4.1	NA	Hand Coding	-1.0	check-fmt-dp
23	NMP	No measurement possible	No. of features recognizable as gauges but not possible to measure depth - gauges generally less than 20 cm deep.	0:999		100-03/91-93	i3 / i3	R	Hand Coding	999	hand coding

\*Type: A= alpha, I= integer, D= decimal

CSH March 13, 1981

## DATA DICTIONARY

FOR DATA: Ice Gauges, page 3

BY PERSON:

ON DATE:

Datum No.	Datum Name	English Name	Description	Allowed Values	Type #	Merged Nav Columns	pre-SPSS Format	Justification	Source	Missing	
										Value	Datum Set BY
24	LT04	Less than 0.4	Number of gauges with a depth between 0.2-0.4 m	0: 99	I	103-4 / 174-95	c2 / c2	R	Hand Coding	99	hand coding
25	LT06	" 0.6	0.4:0.6 m	"	I	105-6/96-97	c2 / c2	R	Hand Coding	99	hand coding
26	LT08	" 0.8	0.6:0.8 m	"	I	107-8/98-99	c2 / c2	R	Hand Coding	99	hand coding
27	LT10	" 1.0	0.8:1.0 m	"	I	109-10/100-01	c2 / c2	R	Hand Coding	99	hand coding
28	GT10	Greater 1.0 m	Number of gauges with depths > 1.0 m	0: 99	I	111-12/102-03	c2 / c2	R	Hand Coding	99	hand coding
29	LT12	Less than 1.2		0: 99	I	114-15 105-06	c2 / c2	R	Hand Coding	99	hand coding
30	14	" 1.4				116-17 107-08					
31	16	" 1.6				118-19 109-10					
32	18	" 1.8				120-21 111-12					
33	20	" 2.0				122-23 113-14					
34	22	" 2.2				124-25 115-16					
35	24	" 2.4				126-27 117-18					
36	26	" 2.6				128-29 119-20					
37	28	" 2.8				130-31 121-22					
38	30	" 3.0				132-33 123-24					
39	32	" 3.2				134-35 125-26					
40	34	" 3.4				136-37 127-28					
41	36	" 3.6				138-39 129-30					
42	38	" 3.8				140-41 131-32					
43	40	" 4.0				142-43 133-34	c2 / c2	R	Hand Coding	99	hand coding
44	MAX	Maximum Depth	Deepest gauge, meters	0.1: 9.9 / -0.1	D	144-46/135-6	f3.1 / f2.1	NA	Hand Coding	-0.1	check -fmt.dp

Next column is blank; use (2.35, 13.0) in SPSS fmt for depth in cm

\*Type: A=alpha, I=integer, D=decimal

GAGE March 13, 2001

4/15

DATA DICTIONARY

FOR DATA: Ice Gauges, page 4

BY PERSON:

ON DATE:

Datum No.	Datum Name	English Name	Description	Allowed Values	Type #	Merged Nav/Pre-SPSS		Insti- tution	Source	Missing Datum	
						Columns	Format			Value	Set By
45	INCW	Max incision width	Widest gauge, meters	0:999	I	148-50/138-40	13 / 13.1	R	Hand coding	-1	hand coding
46	RDSH	Max ridge height	Highest ridge, meters	0:1:99.9/-0.1	D	151-53/141-42	13.1 / 12.1	NA	Hand Coding	-0.1	check, Int. dp.
47	LENG	Max gauge length	Longest gauge, meters (unsable measure!)	0:9999/-1	I	154-57/143-46	14 / 14	R	Hand Coding	-1	check, Int. dp.
48	MINO	Multi-incisions	Number of multi-incision gauges	0:99	I	159-60/148-49	12 / 12.2	R	Hand Coding	99	hand coding
49	MIMI	Max inc/gauge	Maximum number of incisions per gauge in interval	0:999	I	161-63/150-52	13 / 13	R	Hand Coding	999	hand coding
50	MIHD	Max disturbance	Maximum width of disturbance in interval	0:999	I	164-66/153-55	13 / 13	R	Hand Coding	999	hand coding
51	MIDO	Dominant orientation	Dominant orientation of multi-incisions - average adj. orient.	0:180	I	167-69/156-58	13 / 13	R	Hand Coding	999	hand coding Adj. from 0-360 to 0-180 made by SPSS
52	FREF	1st Reflector	First horizon depth below sea level	0:1:99.9/-1.0	D	171-74/160-62	14.1 / 13.1	NA	Hand Coding	99.9	check, Int. dp.
53	SONR	Sonar Range	Range of sonar, meters	0:999	I	175-77/163-65	13 / 13	R	Hand Coding	999	hand coding
54	SEQN	Sequence Number	Reared sequence number within line.	0:9999	I	178-81/166-69	14 / 14	R	number-pts	NA	NA
55	AREA	Area Code	Area code	00:99	I	182-89/171-72	12 / 12	R	Hand Coding	NA	NA

\*Type: A=alpha, I=integer, D=decimal

CSH Mark 13, 1981



5/5

# DATA DICTIONARY

FOR DATA: Ice Geogues, page 5

BY PERSON:

ON DATE:

Data No.	Datum Name	English Name	Description	Allowed Values	Type	Columns		Justification	Source	Missing Datum	
						NA	Format			Value	Set By
56.	doin	Dominant sin	Sin of dominant orientation	0-999	R	NA / 174-176	f3.3	NA	program "cv4sp"	-100	cv4sp/hand
57.	sszn	Subordinate sin	Sin of subordinate orientation	0-999	R	NA / 177-179	f3.3	NA	program "cv4sp"	-100	" "
58.	sc	Sediment Coresion		SN, RC, AT	A	NA / 181-182	a2	R	program - satco		
59.	gms	graze intensity	dens x max x mcm	0.000:	R	184-191	f8.3	R	SPSS	-1.0	SPSS
60.	harc	horizon thickness	Thickness of sediments above 1st refl.	99999.999	R	192-195	f4.1	NA	SPSS	-1.0	SPSS
61.	reft	relief	Max depth + ridge height	0:9999	R	196-199	f4.1	NA	SPSS	-1.0	SPSS

\* Type: A=alpha, I=integer, D=decimal

DATE: March 12, 1981

## References

- Barnes, P. W., Rearic, D. M., and Reimnitz, Erk, in press, Ice gouge characteristics and processes: in Barnes, P. W., Schell, D. M., and Reimnitz, E., (eds.), The Alaskan Beaufort Sea - Ecosystem and Environment, Academic Press, New York, 36 p.
- Rearic, D. M., Barnes, P. W., and Reimnitz, Erk, 1981, Ice gouge data, Beaufort Sea, Alaska, 1972-1980: U.S. Geological Survey Open-File Report #81-950, 8 microfiche cards.
- Reimnitz, Erk, Barnes, P. W., Rearic, D. M., Minkler, P. W., Kempema, E. W., and Reiss, T. E., 1982, Marine geological investigations in the Beaufort Sea in 1981 and preliminary interpretations for regions from the Canning River to the Canadian Border: U.S. Geological Survey Open-File Report #82-974, 46 p.
- Weeks, W. F., Barnes, P. W., Rearic, D. M., and Reimnitz, Erk, in press, Some probabilistic aspects of ice gouging on the Alaskan shelf of the Beaufort Sea: in Barnes, P. W., Schell, D. M., and Reimnitz, E., (eds.), The Alaskan Beaufort Sea - Ecosystem and Environment, Academic Press, New York, 40 p.