

Public-data File 88-26

WIND DATA FROM POINT MACKENZIE WIND STATION, 1983

By

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Alaska Division of  
Geological and Geophysical Surveys

February 1988

THIS REPORT HAS NOT BEEN REVIEWED FOR  
TECHNICAL CONTENT (EXCEPT AS NOTED IN  
TEXT) OR FOR CONFORMITY TO THE  
EDITORIAL STANDARDS OF DGGS.

794 University Avenue, Suite 200  
Fairbanks, Alaska 99709-3645

## SITE LOCATION:

TYONEK B-1, ALASKA, T15N R4W NE1/4 SW1/4 SE1/4 SECTION 17.

## SITE ELEVATION:

280 FEET ABOVE MEAN SEA LEVEL.

## SITE DESCRIPTION:

THE WIND SENSOR IS LOCATED ATOP A 36 FT HIGH STEEL TOWER NEAR THE WESTERN MARGIN OF A LARGE LEVEL FIELD USED AS A TEST PLOT FOR VARIOUS GRASSES AND VEGETABLES. TREES OF UP TO 30 FT IN HEIGHT ARE LOCATED AT A DISTANCE OF AT LEAST 300 FT TO THE WEST AND AT GREATER DISTANCES IN OTHER DIRECTIONS. A TWO LANE ROAD WITH WIDE SHOULDERS SKIRTS THE WESTERN EDGE OF THE FIELD. SEVERAL STORAGE BARNs STAND IN THE FAR NORTHEASTERN CORNER OF THE FIELD.

## EQUIPMENT LIST:

- 1) A TELEX COMMUNICATIONS 36 FT HIGH CRANK-UP STEEL TOWER, #HG-33MT2.
- 2) A WEATHERTRONICS STRATAVANE WIND SENSOR, #2102 OR #2112.
- 3) AN OMNIDATA DATAPOD DIGITAL TWO CHANNEL DATA-LOGGER, #DP214.

## OPERATION:

THE SENSOR OPERATES CONTINUOUSLY WITH A WIND SENSING THRESHOLD OF 3MPH. THE RECORDER SAMPLES THE WIND AT 5 MINUTE INTERVALS AND RECORDS THE AVERAGE AND MAXIMUM WIND SPEEDS AND DIRECTIONS AT 4 HOUR INTERVALS. THE DATA IS STORED ELECTRONICALLY ON A DIGITAL EPROM CHIP WITH A RESOLUTION OF .22 MPH. THE CHIP IS RETRIEVED EVERY THREE MONTHS BY DGGS PERSONNEL AND PROCESSED ON A DATA GENERAL MV8000 COMPUTER USING FORTRAN AND SAS PROGRAMMING LANGUAGES.

## NOTE:

- 1) ALL ELECTRONIC DATA RECOVERED FROM THE DGGS WIND STATIONS ARE MAGNETICALLY ARCHIVED IN THE ANCHORAGE OFFICE OF DGGS.
- 2) ALL WIND SPEEDS ARE GIVEN IN METERS PER SECOND (M/S).  
1 M/S = 2.237 MILES PER HOUR (MPH).  
ALL WIND DIRECTIONS ARE TAKEN FROM TRUE NORTH ( 0 OR 360 DEGREES ).

DNR-DIV. GEOLOGICAL AND GEOPHYSICAL SURVEYS.  
 POINT MACKENZIE DATA REPORT

AVS-AVERAGE SPEED, AVD-AVERAGE DIRECTION, GUS-GUST SPEED, GUD-GUST DIRECTION  
 DIRECTION IS FROM TRUE NORTH, SPEEDS ARE IN M/S AND TIMES ARE ALASKA STANDARD

DATE TIME	AVS	AVD	GUS	GUD	DATE TIME	AVS	AVD	GUS	GUD
18MAY83:20:00	1	225	2	230	27MAY83:04:00	0	.	2	22
19MAY83:00:00	0	.	.	.	27MAY83:08:00	1	5	2	0
19MAY83:04:00	0	.	.	.	27MAY83:12:00	1	50	3	106
19MAY83:08:00	0	.	.	.	27MAY83:16:00	1	45	3	56
19MAY83:12:00	2	84	4	106	27MAY83:20:00	2	219	5	185
19MAY83:16:00	2	174	5	135	28MAY83:00:00	0	.	.	.
19MAY83:20:00	2	208	4	180	28MAY83:04:00	0	.	.	.
20MAY83:00:00	2	202	5	208	28MAY83:08:00	0	.	.	.
20MAY83:04:00	2	180	4	151	28MAY83:12:00	1	151	4	191
20MAY83:08:00	1	118	5	174	28MAY83:16:00	2	253	4	230
20MAY83:12:00	4	202	5	202	28MAY83:20:00	2	213	4	236
20MAY83:16:00	4	202	5	213	29MAY83:00:00	1	286	2	348
20MAY83:20:00	3	213	6	202	29MAY83:04:00	0	.	.	.
21MAY83:00:00	2	208	6	219	29MAY83:08:00	0	.	.	.
21MAY83:04:00	1	180	4	213	29MAY83:12:00	1	320	3	320
21MAY83:08:00	0	.	.	.	29MAY83:16:00	1	286	3	326
21MAY83:12:00	3	208	6	185	29MAY83:20:00	1	281	2	292
21MAY83:16:00	2	202	4	191	30MAY83:00:00	1	292	2	298
21MAY83:20:00	1	230	3	157	30MAY83:04:00	1	309	3	320
22MAY83:00:00	0	.	.	.	30MAY83:08:00	1	303	4	0
22MAY83:04:00	0	.	.	.	30MAY83:12:00	2	0	4	331
22MAY83:08:00	1	337	2	337	30MAY83:16:00	2	39	4	90
22MAY83:12:00	1	331	3	354	30MAY83:20:00	1	281	3	343
22MAY83:16:00	2	151	4	196	31MAY83:00:00	2	168	4	196
22MAY83:20:00	3	208	5	185	31MAY83:04:00	2	343	4	0
23MAY83:00:00	2	180	6	208	31MAY83:08:00	2	331	4	354
23MAY83:04:00	0	.	2	275	31MAY83:12:00	2	348	4	0
23MAY83:08:00	1	5	7	354	31MAY83:16:00	3	95	6	78
23MAY83:12:00	3	11	5	67	31MAY83:20:00	1	123	3	230
23MAY83:16:00	2	343	4	151	01JUN83:00:00	1	22	2	84
23MAY83:20:00	1	275	4	298	01JUN83:04:00	0	.	.	.
24MAY83:00:00	1	286	.	.	01JUN83:08:00	1	236	5	185
24MAY83:04:00	0	.	.	.	01JUN83:12:00	2	202	4	241
24MAY83:08:00	1	5	2	33	01JUN83:16:00	2	236	5	230
24MAY83:12:00	1	61	2	73	01JUN83:20:00	2	213	4	219
24MAY83:16:00	2	196	5	180	02JUN83:00:00	1	219	4	241
24MAY83:20:00	3	208	5	202	02JUN83:04:00	1	163	.	.
25MAY83:00:00	0	.	2	185	02JUN83:08:00	1	163	4	191
25MAY83:04:00	0	.	.	.	02JUN83:12:00	2	202	5	185
25MAY83:08:00	1	180	4	180	02JUN83:16:00	2	213	4	208
25MAY83:12:00	3	191	4	196	02JUN83:20:00	1	174	3	157
25MAY83:16:00	3	202	5	191	03JUN83:00:00	1	163	2	157
25MAY83:20:00	4	196	8	196	03JUN83:04:00	2	196	4	191
26MAY83:00:00	3	191	7	191	03JUN83:08:00	1	95	2	67
26MAY83:04:00	2	151	5	180	03JUN83:12:00	1	73	3	61
26MAY83:08:00	1	202	4	180	03JUN83:16:00	1	258	3	236
26MAY83:12:00	2	16	3	140	03JUN83:20:00	1	230	5	219
26MAY83:16:00	2	196	6	241	04JUN83:00:00	1	180	3	196
26MAY83:20:00	4	185	7	191	04JUN83:04:00	0	.	.	.
27MAY83:00:00	0	.	3	208	04JUN83:08:00	0	.	.	.

DNR-DIV. GEOLOGICAL AND GEOPHYSICAL SURVEYS  
 POINT MACKENZIE DATA REPORT

AVS-AVERAGE SPEED, AVD-AVERAGE DIRECTION, GUS-GUST SPEED, GUD-GUST DIRECTION  
 DIRECTION IS FROM TRUE NORTH, SPEEDS ARE IN M/S AND TIMES ARE ALASKA STANDARD

DATE TIME	AVS	AVD	GUS	GUD	DATE TIME	AVS	AVD	GUS	GUD
04JUN83:12:00	1	213	3	202	12JUN83:20:00	3	202	5	202
04JUN83:16:00	1	50	4	270	13JUN83:00:00	2	196	4	202
04JUN83:20:00	2	196	4	230	13JUN83:04:00	0	.	.	.
05JUN83:00:00	0	.	2	258	13JUN83:08:00	0	.	3	45
05JUN83:04:00	0	.	.	.	13JUN83:12:00	1	11	4	16
05JUN83:08:00	0	.	.	.	13JUN83:16:00	2	208	5	202
05JUN83:12:00	1	208	3	163	13JUN83:20:00	3	174	6	185
05JUN83:16:00	3	191	6	185	14JUN83:00:00	1	180	3	185
05JUN83:20:00	3	202	5	202	14JUN83:04:00	0	.	.	.
06JUN83:00:00	2	196	3	213	14JUN83:08:00	1	11	3	33
06JUN83:04:00	1	163	4	208	14JUN83:12:00	2	84	4	84
06JUN83:08:00	1	61	2	129	14JUN83:16:00	2	151	7	185
06JUN83:12:00	2	354	5	0	14JUN83:20:00	4	185	9	157
06JUN83:16:00	3	320	6	343	15JUN83:00:00	2	196	5	180
06JUN83:20:00	3	320	7	320	15JUN83:04:00	0	.	.	.
07JUN83:00:00	1	303	3	320	15JUN83:08:00	0	.	3	202
07JUN83:04:00	1	331	.	.	15JUN83:12:00	1	196	3	219
07JUN83:08:00	1	337	4	315	15JUN83:16:00	1	213	5	191
07JUN83:12:00	1	315	3	292	15JUN83:20:00	2	202	5	202
07JUN83:16:00	2	208	6	185	16JUN83:00:00	2	213	4	213
07JUN83:20:00	3	202	5	196	16JUN83:04:00	1	180	2	225
08JUN83:00:00	3	202	5	202	16JUN83:08:00	1	202	5	213
08JUN83:04:00	1	196	4	180	16JUN83:12:00	1	247	3	202
08JUN83:08:00	1	157	3	174	16JUN83:16:00	1	236	4	213
08JUN83:12:00	2	213	4	219	16JUN83:20:00	2	225	4	185
08JUN83:16:00	3	213	5	196	17JUN83:00:00	1	196	4	213
08JUN83:20:00	3	208	5	185	17JUN83:04:00	0	.	2	163
09JUN83:00:00	1	213	4	213	17JUN83:08:00	0	.	2	123
09JUN83:04:00	2	219	4	174	17JUN83:12:00	1	174	5	354
09JUN83:08:00	1	230	2	213	17JUN83:16:00	2	348	4	56
09JUN83:12:00	1	343	3	354	17JUN83:20:00	2	219	4	106
09JUN83:16:00	2	101	4	106	18JUN83:00:00	1	196	2	219
09JUN83:20:00	1	90	4	61	18JUN83:04:00	1	140	.	.
10JUN83:00:00	0	.	4	33	18JUN83:08:00	1	118	.	.
10JUN83:04:00	0	.	.	.	18JUN83:12:00	1	101	3	61
10JUN83:08:00	0	.	.	.	18JUN83:16:00	2	90	4	135
10JUN83:12:00	2	61	4	101	18JUN83:20:00	2	163	4	196
10JUN83:16:00	2	101	4	50	19JUN83:00:00	3	208	7	202
10JUN83:20:00	2	168	4	185	19JUN83:04:00	2	202	3	191
11JUN83:00:00	1	123	.	.	19JUN83:08:00	2	202	4	219
11JUN83:04:00	2	84	3	90	19JUN83:12:00	3	202	5	230
11JUN83:08:00	2	56	3	84	19JUN83:16:00	3	196	5	191
11JUN83:12:00	2	67	4	73	19JUN83:20:00	3	202	7	191
11JUN83:16:00	2	56	4	84	20JUN83:00:00	1	208	4	213
11JUN83:20:00	3	191	5	185	20JUN83:04:00	0	.	.	.
12JUN83:00:00	1	264	4	208	20JUN83:08:00	0	.	3	219
12JUN83:04:00	1	343	3	348	20JUN83:12:00	1	67	4	0
12JUN83:08:00	1	5	3	348	20JUN83:16:00	2	219	7	225
12JUN83:12:00	1	73	4	90	20JUN83:20:00	4	191	7	196
12JUN83:16:00	2	202	5	208	21JUN83:00:00	3	202	5	185

DNR-DIV. GEOLOGICAL AND GEOPHYSICAL SURVEYS  
POINT MACKENZIE DATA REPORT

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DIRECTION IS FROM TRUE NORTH, SPEEDS ARE IN M/S AND TIMES ARE ALASKA STANDARD

DATE TIME	AVS	AVD	GUS	GUD	DATE TIME	AVS	AVD	GUS	GUD
21JUN83:04:00	1	191	3	219	29JUN83:12:00	1	146	2	191
21JUN83:08:00	1	95	3	78	29JUN83:16:00	2	213	4	185
21JUN83:12:00	1	101	4	140	29JUN83:20:00	2	208	4	196
21JUN83:16:00	2	191	5	196	30JUN83:00:00	0	.	.	.
21JUN83:20:00	3	208	6	168	30JUN83:04:00	0	.	.	.
22JUN83:00:00	3	202	5	174	30JUN83:08:00	0	.	3	16
22JUN83:04:00	2	196	4	208	30JUN83:12:00	2	28	5	50
22JUN83:08:00	1	129	2	135	30JUN83:16:00	1	241	4	230
22JUN83:12:00	1	196	3	219	30JUN83:20:00	1	253	4	292
22JUN83:16:00	2	180	5	354	01JUL83:00:00	1	241	4	191
22JUN83:20:00	2	219	4	286	01JUL83:04:00	4	196	7	196
23JUN83:00:00	2	202	6	191	01JUL83:08:00	3	196	6	196
23JUN83:04:00	2	213	5	219	01JUL83:12:00	2	191	4	208
23JUN83:08:00	1	39	3	67	01JUL83:16:00	2	208	5	202
23JUN83:12:00	1	73	3	73	01JUL83:20:00	2	191	4	196
23JUN83:16:00	1	106	4	118	02JUL83:00:00	1	174	3	174
23JUN83:20:00	3	191	5	191	02JUL83:04:00	2	185	3	208
24JUN83:00:00	0	.	2	208	02JUL83:08:00	0	.	2	168
24JUN83:04:00	0	.	3	174	02JUL83:12:00	3	208	5	185
24JUN83:08:00	0	.	.	.	02JUL83:16:00	3	202	5	275
24JUN83:12:00	1	45	3	315	02JUL83:20:00	3	202	4	185
24JUN83:16:00	2	180	4	196	03JUL83:00:00	2	208	4	202
24JUN83:20:00	3	202	4	202	03JUL83:04:00	2	185	4	208
25JUN83:00:00	0	.	3	241	03JUL83:08:00	1	163	3	180
25JUN83:04:00	0	.	.	.	03JUL83:12:00	1	174	4	208
25JUN83:08:00	1	95	.	.	03JUL83:16:00	2	219	4	196
25JUN83:12:00	1	5	4	0	03JUL83:20:00	3	208	4	225
25JUN83:16:00	2	202	4	213	04JUL83:00:00	2	208	3	219
25JUN83:20:00	3	208	6	196	04JUL83:04:00	2	191	5	191
26JUN83:00:00	4	196	9	185	04JUL83:08:00	0	.	.	.
26JUN83:04:00	1	213	3	236	04JUL83:12:00	2	146	4	180
26JUN83:08:00	1	16	2	0	04JUL83:16:00	3	202	8	174
26JUN83:12:00	1	247	3	219	04JUL83:20:00	3	202	5	191
26JUN83:16:00	1	225	3	180	05JUL83:00:00	0	.	4	185
26JUN83:20:00	3	202	5	208	05JUL83:04:00	0	.	.	.
27JUN83:00:00	0	.	3	213	05JUL83:08:00	1	191	3	180
27JUN83:04:00	0	.	.	.	05JUL83:12:00	2	191	3	213
27JUN83:08:00	0	.	.	.	05JUL83:16:00	2	180	4	168
27JUN83:12:00	1	343	4	0	05JUL83:20:00	3	196	5	230
27JUN83:16:00	2	225	4	191	06JUL83:00:00	1	213	2	202
27JUN83:20:00	1	140	4	174	06JUL83:04:00	1	191	3	213
28JUN83:00:00	0	.	.	.	06JUL83:08:00	1	163	4	191
28JUN83:04:00	0	.	.	.	06JUL83:12:00	2	90	4	56
28JUN83:08:00	1	22	3	5	06JUL83:16:00	2	78	4	73
28JUN83:12:00	1	270	4	253	06JUL83:20:00	1	67	3	16
28JUN83:16:00	2	213	5	202	07JUL83:00:00	0	.	.	.
28JUN83:20:00	2	191	4	185	07JUL83:04:00	0	.	.	.
29JUN83:00:00	0	.	3	163	07JUL83:08:00	0	.	.	.
29JUN83:04:00	0	.	.	.	07JUL83:12:00	0	.	.	.
29JUN83:08:00	1	28	2	0	07JUL83:16:00	1	0	4	45

DNR-DIV. GEOLOGICAL AND GEOPHYSICAL SURVEYS  
 POINT MACKENZIE DATA REPORT

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 DIRECTION IS FROM TRUE NORTH, SPEEDS ARE IN M/S AND TIMES ARE ALASKA STANDARD

DATETIME	AVS	AVD	GUS	GUD	DATETIME	AVS	AVD	GUS	GUD
07JUL83:20:00	1	129	3	61	16JUL83:04:00	0	.	.	.
08JUL83:00:00	0	.	3	202	16JUL83:08:00	0	.	3	185
08JUL83:04:00	1	253	5	191	16JUL83:12:00	1	230	3	208
08JUL83:08:00	1	354	3	0	16JUL83:16:00	2	146	4	196
08JUL83:12:00	1	281	.	.	16JUL83:20:00	2	174	4	191
08JUL83:16:00	1	16	3	90	17JUL83:00:00	2	185	4	174
08JUL83:20:00	1	202	3	219	17JUL83:04:00	2	208	3	185
09JUL83:00:00	0	.	.	.	17JUL83:08:00	2	202	5	191
09JUL83:04:00	1	22	3	5	17JUL83:12:00	3	196	5	202
09JUL83:08:00	1	5	3	56	17JUL83:16:00	3	196	6	168
09JUL83:12:00	0	.	.	.	17JUL83:20:00	3	191	5	213
09JUL83:16:00	2	196	5	185	18JUL83:00:00	0	.	4	123
09JUL83:20:00	3	196	6	185	18JUL83:04:00	0	.	.	.
10JUL83:00:00	3	208	7	202	18JUL83:08:00	0	.	.	.
10JUL83:04:00	2	213	5	196	18JUL83:12:00	1	286	3	281
10JUL83:08:00	0	.	3	191	18JUL83:16:00	2	191	5	22
10JUL83:12:00	1	202	4	225	18JUL83:20:00	1	191	4	185
10JUL83:16:00	2	202	4	236	19JUL83:00:00	1	118	3	101
10JUL83:20:00	2	180	4	225	19JUL83:04:00	2	78	3	90
11JUL83:00:00	1	123	4	174	19JUL83:08:00	2	56	3	56
11JUL83:04:00	2	185	4	202	19JUL83:12:00	2	45	3	56
11JUL83:08:00	2	180	4	185	19JUL83:16:00	2	180	4	174
11JUL83:12:00	3	196	4	202	19JUL83:20:00	2	185	5	185
11JUL83:16:00	2	196	4	219	20JUL83:00:00	1	67	3	67
11JUL83:20:00	3	202	6	208	20JUL83:04:00	1	157	4	225
12JUL83:00:00	2	202	3	202	20JUL83:08:00	1	67	2	45
12JUL83:04:00	1	196	3	180	20JUL83:12:00	2	196	5	191
12JUL83:08:00	2	185	3	208	20JUL83:16:00	2	202	4	196
12JUL83:12:00	1	213	3	196	20JUL83:20:00	3	202	4	225
12JUL83:16:00	2	208	4	230	21JUL83:00:00	1	208	3	202
12JUL83:20:00	2	191	4	185	21JUL83:04:00	0	.	.	.
13JUL83:00:00	1	129	.	.	21JUL83:08:00	0	.	.	.
13JUL83:04:00	2	84	3	90	21JUL83:12:00	1	73	3	90
13JUL83:08:00	1	78	4	146	21JUL83:16:00	1	213	4	208
13JUL83:12:00	1	101	3	213	21JUL83:20:00	2	196	4	241
13JUL83:16:00	2	174	4	146	22JUL83:00:00	1	208	3	185
13JUL83:20:00	2	213	4	320	22JUL83:04:00	2	180	3	174
14JUL83:00:00	1	84	4	123	22JUL83:08:00	1	185	2	157
14JUL83:04:00	0	.	.	.	22JUL83:12:00	2	191	3	174
14JUL83:08:00	1	101	4	191	22JUL83:16:00	2	208	5	180
14JUL83:12:00	2	180	5	191	22JUL83:20:00	3	191	7	185
14JUL83:16:00	3	202	5	219	23JUL83:00:00	2	202	4	225
14JUL83:20:00	3	208	5	208	23JUL83:04:00	2	191	4	191
15JUL83:00:00	1	225	3	202	23JUL83:08:00	1	174	3	180
15JUL83:04:00	0	.	.	.	23JUL83:12:00	1	106	2	84
15JUL83:08:00	2	101	3	174	23JUL83:16:00	1	78	3	16
15JUL83:12:00	3	196	5	230	23JUL83:20:00	2	90	3	67
15JUL83:16:00	3	213	5	213	24JUL83:00:00	0	.	2	219
15JUL83:20:00	2	213	4	185	24JUL83:04:00	1	208	3	196
16JUL83:00:00	1	191	3	208	24JUL83:08:00	1	101	.	.

DNR-DIV. GEOLOGICAL AND GEOPHYSICAL SURVEYS  
 POINT MACKENZIE DATA REPORT

AVS-AVERAGE SPEED, AVD-AVERAGE DIRECTION, GUS-GUST SPEED, GUD-GUST DIRECTION  
 DIRECTION IS FROM TRUE NORTH, SPEEDS ARE IN M/S AND TIMES ARE ALASKA STANDARD

DATE TIME	AVS	AVD	GUS	GUD	DATE TIME	AVS	AVD	GUS	GUD
24JUL83:12:00	1	84	3	225	01AUG83:20:00	1	196	3	219
24JUL83:16:00	1	225	4	208	02AUG83:00:00	1	90	2	90
24JUL83:20:00	2	202	4	213	02AUG83:04:00	0	.	.	.
25JUL83:00:00	0	.	.	.	02AUG83:08:00	1	78	3	90
25JUL83:04:00	0	.	.	.	02AUG83:12:00	1	326	3	354
25JUL83:08:00	1	45	3	78	02AUG83:16:00	2	331	4	264
25JUL83:12:00	1	61	3	84	02AUG83:20:00	2	168	5	180
25JUL83:16:00	2	219	4	180	03AUG83:00:00	0	.	3	309
25JUL83:20:00	2	219	4	208	03AUG83:04:00	1	320	2	348
26JUL83:00:00	1	208	3	196	03AUG83:08:00	1	320	4	348
26JUL83:04:00	0	.	.	.	03AUG83:12:00	2	337	4	0
26JUL83:08:00	1	101	3	112	03AUG83:16:00	3	208	6	196
26JUL83:12:00	2	185	4	185	03AUG83:20:00	3	202	5	196
26JUL83:16:00	3	213	5	225	04AUG83:00:00	1	180	4	196
26JUL83:20:00	2	225	5	185	04AUG83:04:00	1	84	4	84
27JUL83:00:00	1	219	.	.	04AUG83:08:00	0	.	3	191
27JUL83:04:00	0	.	.	.	04AUG83:12:00	2	202	4	191
27JUL83:08:00	0	.	.	.	04AUG83:16:00	3	213	5	219
27JUL83:12:00	1	225	3	185	04AUG83:20:00	1	298	2	320
27JUL83:16:00	1	236	4	208	05AUG83:00:00	1	348	2	348
27JUL83:20:00	2	213	4	230	05AUG83:04:00	2	343	4	0
28JUL83:00:00	0	.	.	.	05AUG83:08:00	1	0	.	.
28JUL83:04:00	0	.	.	.	05AUG83:12:00	1	84	2	78
28JUL83:08:00	0	.	.	.	05AUG83:16:00	1	84	2	78
28JUL83:12:00	1	219	4	185	05AUG83:20:00	0	.	.	.
28JUL83:16:00	3	174	5	191	06AUG83:00:00	1	56	3	61
28JUL83:20:00	3	196	7	196	06AUG83:04:00	2	39	3	61
29JUL83:00:00	2	213	5	208	06AUG83:08:00	0	.	.	.
29JUL83:04:00	0	.	.	.	06AUG83:12:00	1	348	2	73
29JUL83:08:00	1	84	3	78	06AUG83:16:00	2	123	4	112
29JUL83:12:00	1	39	3	0	06AUG83:20:00	2	151	5	146
29JUL83:16:00	1	67	3	28	07AUG83:00:00	0	.	2	174
29JUL83:20:00	0	.	3	78	07AUG83:04:00	0	.	.	.
30JUL83:00:00	0	.	.	.	07AUG83:08:00	1	28	3	56
30JUL83:04:00	0	.	.	.	07AUG83:12:00	1	331	.	.
30JUL83:08:00	0	.	2	45	07AUG83:16:00	1	331	.	.
30JUL83:12:00	1	56	3	67	07AUG83:20:00	0	.	2	281
30JUL83:16:00	2	90	3	84	08AUG83:00:00	1	348	2	0
30JUL83:20:00	1	78	3	140	08AUG83:04:00	2	16	3	22
31JUL83:00:00	0	.	.	.	08AUG83:08:00	2	11	3	22
31JUL83:04:00	0	.	.	.	08AUG83:12:00	1	348	3	56
31JUL83:08:00	0	.	.	.	08AUG83:16:00	2	326	4	343
31JUL83:12:00	1	281	3	326	08AUG83:20:00	2	241	5	230
31JUL83:16:00	1	348	4	354	09AUG83:00:00	3	213	5	225
31JUL83:20:00	0	.	2	5	09AUG83:04:00	3	196	5	174
01AUG83:00:00	0	.	.	.	09AUG83:08:00	3	196	6	191
01AUG83:04:00	1	185	3	174	09AUG83:12:00	4	196	7	185
01AUG83:08:00	1	168	4	146	09AUG83:16:00	2	196	5	219
01AUG83:12:00	2	202	5	196	09AUG83:20:00	2	213	4	174
01AUG83:16:00	2	202	4	180	10AUG83:00:00	0	.	.	.

DNR-DIV. GEOLOGICAL AND GEOPHYSICAL SURVEYS  
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 DIRECTION IS FROM TRUE NORTH, SPEEDS ARE IN M/S AND TIMES ARE ALASKA STANDARD

DATE TIME	AVS	AVD	GUS	GUD	DATE TIME	AVS	AVD	GUS	GUD
10AUG83:04:00	0	.	.	.	18AUG83:12:00	2	28	4	45
10AUG83:08:00	0	.	.	.	18AUG83:16:00	2	163	4	196
10AUG83:12:00	2	180	4	230	18AUG83:20:00	2	298	4	185
10AUG83:16:00	2	213	4	185	19AUG83:00:00	0	.	.	.
10AUG83:20:00	2	225	4	241	19AUG83:04:00	1	331	2	320
11AUG83:00:00	1	213	.	.	19AUG83:08:00	1	16	2	337
11AUG83:04:00	0	.	.	.	19AUG83:12:00	1	28	3	50
11AUG83:08:00	1	73	3	73	19AUG83:16:00	2	264	4	11
11AUG83:12:00	1	135	4	191	19AUG83:20:00	1	196	4	174
11AUG83:16:00	2	196	4	202	20AUG83:00:00	0	.	.	.
11AUG83:20:00	2	196	4	196	20AUG83:04:00	0	.	3	78
12AUG83:00:00	0	.	3	191	20AUG83:08:00	1	101	3	90
12AUG83:04:00	1	106	2	123	20AUG83:12:00	3	185	8	191
12AUG83:08:00	0	.	.	.	20AUG83:16:00	2	151	5	151
12AUG83:12:00	2	213	4	174	20AUG83:20:00	1	73	3	84
12AUG83:16:00	2	191	4	180	21AUG83:00:00	1	129	3	67
12AUG83:20:00	2	174	5	157	21AUG83:04:00	3	84	4	73
13AUG83:00:00	1	151	3	196	21AUG83:08:00	2	73	4	67
13AUG83:04:00	2	168	5	185	21AUG83:12:00	3	67	4	78
13AUG83:08:00	2	61	4	84	21AUG83:16:00	2	56	3	78
13AUG83:12:00	1	50	3	73	21AUG83:20:00	0	.	3	61
13AUG83:16:00	2	112	4	95	22AUG83:00:00	0	.	.	.
13AUG83:20:00	2	174	4	241	22AUG83:04:00	0	.	.	.
14AUG83:00:00	1	123	3	258	22AUG83:08:00	0	.	.	.
14AUG83:04:00	2	45	6	354	22AUG83:12:00	0	.	3	219
14AUG83:08:00	3	39	5	45	22AUG83:16:00	2	196	7	191
14AUG83:12:00	2	16	4	5	22AUG83:20:00	2	196	3	185
14AUG83:16:00	2	348	4	315	23AUG83:00:00	1	157	3	202
14AUG83:20:00	1	337	4	16	23AUG83:04:00	1	78	3	106
15AUG83:00:00	0	.	.	.	23AUG83:08:00	1	22	3	73
15AUG83:04:00	0	.	.	.	23AUG83:12:00	1	343	3	0
15AUG83:08:00	2	90	3	78	23AUG83:16:00	1	0	3	0
15AUG83:12:00	1	73	3	90	23AUG83:20:00	0	.	2	135
15AUG83:16:00	2	343	5	326	24AUG83:00:00	0	.	2	135
15AUG83:20:00	2	320	5	331	24AUG83:04:00	0	.	.	.
16AUG83:00:00	0	.	3	202	24AUG83:08:00	1	0	3	337
16AUG83:04:00	0	.	.	.	24AUG83:12:00	2	61	4	50
16AUG83:08:00	1	84	3	78	24AUG83:16:00	2	50	4	50
16AUG83:12:00	1	78	2	140	24AUG83:20:00	1	50	3	0
16AUG83:16:00	1	168	4	219	25AUG83:00:00	1	337	3	298
16AUG83:20:00	2	213	4	168	25AUG83:04:00	2	320	3	331
17AUG83:00:00	0	.	.	.	25AUG83:08:00	2	331	4	331
17AUG83:04:00	0	.	.	.	25AUG83:12:00	2	343	4	0
17AUG83:08:00	0	.	.	.	25AUG83:16:00	2	16	4	0
17AUG83:12:00	1	45	3	0	25AUG83:20:00	3	78	4	73
17AUG83:16:00	2	326	4	331	26AUG83:00:00	0	.	.	.
17AUG83:20:00	1	253	5	16	26AUG83:04:00	1	90	3	101
18AUG83:00:00	0	.	.	.	26AUG83:08:00	0	.	.	.
18AUG83:04:00	0	.	.	.	26AUG83:12:00	1	11	3	337
18AUG83:08:00	0	.	2	0	26AUG83:16:00	1	315	4	281



DNR-DIV. GEOLOGICAL AND GEOPHYSICAL SURVEYS  
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DATE TIME	AVS	AVD	GUS	GUD	DATE TIME	AVS	AVD	GUS	GUD
26AUG83:20:00	1	129	3	78	04SEP83:04:00	1	298	2	275
27AUG83:00:00	0	.	.	.	04SEP83:08:00	1	309	3	337
27AUG83:04:00	1	168	3	180	04SEP83:12:00	2	320	6	225
27AUG83:08:00	0	.	2	180	04SEP83:16:00	2	320	5	67
27AUG83:12:00	1	0	3	33	04SEP83:20:00	2	331	5	354
27AUG83:16:00	2	348	4	5	05SEP83:00:00	1	315	3	303
27AUG83:20:00	1	315	3	213	05SEP83:04:00	0	.	.	.
28AUG83:00:00	0	.	.	.	05SEP83:08:00	0	.	.	.
28AUG83:04:00	1	73	3	67	05SEP83:12:00	1	5	4	28
28AUG83:08:00	1	73	3	56	05SEP83:16:00	2	337	4	0
28AUG83:12:00	1	39	3	326	05SEP83:20:00	1	264	4	0
28AUG83:16:00	1	101	3	101	06SEP83:00:00	0	.	.	.
28AUG83:20:00	1	90	3	90	06SEP83:04:00	1	303	5	337
29AUG83:00:00	0	.	.	.	06SEP83:08:00	2	337	4	331
29AUG83:04:00	0	.	3	73	06SEP83:12:00	3	331	5	348
29AUG83:08:00	1	90	3	84	06SEP83:16:00	3	337	6	0
29AUG83:12:00	1	95	3	67	06SEP83:20:00	1	331	5	286
29AUG83:16:00	2	118	4	56	07SEP83:00:00	0	.	.	.
29AUG83:20:00	2	84	3	106	07SEP83:04:00	1	95	3	78
30AUG83:00:00	1	106	7	191	07SEP83:08:00	3	73	4	67
30AUG83:04:00	4	180	8	180	07SEP83:12:00	2	78	4	95
30AUG83:08:00	4	185	8	174	07SEP83:16:00	2	123	4	90
30AUG83:12:00	5	185	10	146	07SEP83:20:00	1	140	4	185
30AUG83:16:00	4	196	8	174	08SEP83:00:00	0	.	4	196
30AUG83:20:00	3	191	6	196	08SEP83:04:00	2	196	3	208
31AUG83:00:00	1	146	.	.	08SEP83:08:00	1	73	3	101
31AUG83:04:00	2	90	3	90	08SEP83:12:00	0	.	.	.
31AUG83:08:00	1	84	2	67	08SEP83:16:00	1	118	3	84
31AUG83:12:00	1	101	3	123	08SEP83:20:00	0	.	3	230
31AUG83:16:00	1	163	3	191	09SEP83:00:00	0	.	.	.
31AUG83:20:00	2	84	3	61	09SEP83:04:00	0	.	2	90
01SEP83:00:00	2	90	3	90	09SEP83:08:00	1	50	.	.
01SEP83:04:00	1	101	2	90	09SEP83:12:00	0	.	.	.
01SEP83:08:00	2	90	4	90	09SEP83:16:00	1	112	2	225
01SEP83:12:00	1	95	4	78	09SEP83:20:00	1	168	3	174
01SEP83:16:00	2	101	3	95	10SEP83:00:00	0	.	.	.
01SEP83:20:00	1	129	3	180	10SEP83:04:00	1	101	.	.
02SEP83:00:00	0	.	.	.	10SEP83:08:00	0	.	.	.
02SEP83:04:00	1	180	.	.	10SEP83:12:00	1	101	3	67
02SEP83:08:00	1	298	5	343	10SEP83:16:00	1	337	3	326
02SEP83:12:00	2	315	4	326	10SEP83:20:00	1	157	3	326
02SEP83:16:00	1	337	3	191	11SEP83:00:00	0	.	.	.
02SEP83:20:00	1	196	4	191	11SEP83:04:00	0	.	.	.
03SEP83:00:00	0	.	3	90	11SEP83:08:00	0	.	.	.
03SEP83:04:00	2	84	3	67	11SEP83:12:00	0	.	.	.
03SEP83:08:00	1	50	4	95	11SEP83:16:00	1	90	2	90
03SEP83:12:00	2	343	4	315	11SEP83:20:00	1	78	3	61
03SEP83:16:00	2	337	5	0	12SEP83:00:00	0	.	.	.
03SEP83:20:00	2	225	4	191	12SEP83:04:00	1	78	3	84
04SEP83:00:00	1	236	4	298	12SEP83:08:00	2	95	3	73

DNR-DIV. GEOLOGICAL AND GEOPHYSICAL SURVEYS  
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 DIRECTION IS FROM TRUE NORTH, SPEEDS ARE IN M/S AND TIMES ARE ALASKA STANDARD

DATETIME	AVS	AVD	GUS	GUD	DATETIME	AVS	AVD	GUS	GUD
12SEP83:12:00	1	123	3	157	20SEP83:20:00	1	326	3	0
12SEP83:16:00	2	106	3	101	21SEP83:00:00	1	348	.	.
12SEP83:20:00	1	196	4	191	21SEP83:04:00	0	.	.	.
13SEP83:00:00	0	.	2	50	21SEP83:08:00	0	.	3	50
13SEP83:04:00	1	50	.	.	21SEP83:12:00	1	326	3	320
13SEP83:08:00	1	22	3	22	21SEP83:16:00	2	337	4	331
13SEP83:12:00	2	45	3	22	21SEP83:20:00	1	5	3	331
13SEP83:16:00	1	61	3	61	22SEP83:00:00	0	.	.	.
13SEP83:20:00	1	16	3	78	22SEP83:04:00	1	180	3	196
14SEP83:00:00	1	270	2	253	22SEP83:08:00	2	185	4	196
14SEP83:04:00	2	213	6	180	22SEP83:12:00	2	185	3	163
14SEP83:08:00	2	191	5	191	22SEP83:16:00	2	185	5	174
14SEP83:12:00	3	168	5	196	22SEP83:20:00	3	315	7	331
14SEP83:16:00	2	174	4	196	23SEP83:00:00	1	315	3	331
14SEP83:20:00	1	168	4	168	23SEP83:04:00	1	309	3	281
15SEP83:00:00	1	168	3	163	23SEP83:08:00	2	320	6	315
15SEP83:04:00	1	146	3	180	23SEP83:12:00	3	331	5	343
15SEP83:08:00	1	73	3	90	23SEP83:16:00	3	33	5	11
15SEP83:12:00	2	78	3	67	23SEP83:20:00	4	315	7	286
15SEP83:16:00	2	0	4	0	24SEP83:00:00	4	309	10	281
15SEP83:20:00	0	.	3	0	24SEP83:04:00	4	315	8	326
16SEP83:00:00	0	.	.	.	24SEP83:08:00	4	315	8	298
16SEP83:04:00	0	.	.	.	24SEP83:12:00	4	320	8	0
16SEP83:08:00	0	.	.	.	24SEP83:16:00	5	337	9	0
16SEP83:12:00	1	326	2	331	24SEP83:20:00	4	331	9	331
16SEP83:16:00	2	337	4	61	25SEP83:00:00	4	326	6	343
16SEP83:20:00	1	213	4	191	25SEP83:04:00	2	309	5	343
17SEP83:00:00	0	.	.	.	25SEP83:08:00	2	309	4	298
17SEP83:04:00	1	67	.	.	25SEP83:12:00	3	337	7	0
17SEP83:08:00	1	61	.	.	25SEP83:16:00	4	354	6	326
17SEP83:12:00	0	.	2	73	25SEP83:20:00	2	5	5	0
17SEP83:16:00	1	95	3	61	26SEP83:00:00	1	0	3	264
17SEP83:20:00	1	118	3	123	26SEP83:04:00	1	303	3	309
18SEP83:00:00	0	.	.	.	26SEP83:08:00	1	315	3	298
18SEP83:04:00	0	.	.	.	26SEP83:12:00	2	331	4	315
18SEP83:08:00	1	326	2	309	26SEP83:16:00	2	11	3	28
18SEP83:12:00	1	320	3	270	26SEP83:20:00	1	33	2	16
18SEP83:16:00	2	326	3	286	27SEP83:00:00	2	50	4	45
18SEP83:20:00	1	343	4	67	27SEP83:04:00	2	11	4	11
19SEP83:00:00	1	0	2	22	27SEP83:08:00	2	331	4	320
19SEP83:04:00	1	303	2	298	27SEP83:12:00	3	326	5	331
19SEP83:08:00	1	303	2	298	27SEP83:16:00	2	331	5	343
19SEP83:12:00	2	315	5	326	27SEP83:20:00	2	320	4	298
19SEP83:16:00	2	326	4	315	28SEP83:00:00	2	315	5	315
19SEP83:20:00	2	320	4	337	28SEP83:04:00	2	320	5	309
20SEP83:00:00	3	326	6	309	28SEP83:08:00	2	320	4	320
20SEP83:04:00	2	309	4	326	28SEP83:12:00	2	326	5	337
20SEP83:08:00	1	309	4	315	28SEP83:16:00	2	331	4	315
20SEP83:12:00	2	326	4	309	28SEP83:20:00	2	315	4	326
20SEP83:16:00	1	343	3	331	29SEP83:00:00	2	320	4	337

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 DIRECTION IS FROM TRUE NORTH, SPEEDS ARE IN M/S AND TIMES ARE ALASKA STANDARD

DATE TIME	AVS	AVD	GUS	GUD	DATE TIME	AVS	AVD	GUS	GUD
29SEP83:04:00	2	331	4	348	07OCT83:12:00	3	348	5	354
29SEP83:08:00	2	320	3	326	07OCT83:16:00	3	0	7	0
29SEP83:12:00	2	320	4	343	07OCT83:20:00	3	337	5	354
29SEP83:16:00	2	315	4	337	08OCT83:00:00	2	326	4	0
29SEP83:20:00	2	315	5	101	08OCT83:04:00	2	320	4	315
30SEP83:00:00	1	303	4	202	08OCT83:08:00	2	337	4	331
30SEP83:04:00	1	174	5	196	08OCT83:12:00	2	331	4	286
30SEP83:08:00	1	202	4	225	08OCT83:16:00	1	298	3	0
30SEP83:12:00	4	168	8	191	08OCT83:20:00	0	.	.	.
30SEP83:16:00	4	185	8	191	09OCT83:00:00	0	.	.	.
30SEP83:20:00	4	180	8	196	09OCT83:04:00	1	33	3	84
01OCT83:00:00	4	180	6	135	09OCT83:08:00	1	348	4	0
01OCT83:04:00	5	180	10	208	09OCT83:12:00	2	331	4	0
01OCT83:08:00	4	185	6	208	09OCT83:16:00	3	326	7	348
01OCT83:12:00	3	191	4	196	09OCT83:20:00	2	309	5	331
01OCT83:16:00	2	140	4	174	10OCT83:00:00	0	.	.	.
01OCT83:20:00	2	0	3	337	10OCT83:04:00	0	.	.	.
02OCT83:00:00	3	331	6	343	10OCT83:08:00	0	.	.	.
02OCT83:04:00	3	326	7	326	10OCT83:12:00	0	.	.	.
02OCT83:08:00	3	320	6	326	10OCT83:16:00	0	.	.	.
02OCT83:12:00	4	326	7	315	10OCT83:20:00	1	326	3	337
02OCT83:16:00	3	320	6	298	11OCT83:00:00	2	326	4	258
02OCT83:20:00	3	309	7	275	11OCT83:04:00	2	320	3	320
03OCT83:00:00	4	315	7	309	11OCT83:08:00	2	320	4	5
03OCT83:04:00	4	315	9	331	11OCT83:12:00	2	292	4	298
03OCT83:08:00	4	303	8	275	11OCT83:16:00	4	168	9	168
03OCT83:12:00	3	320	7	298	11OCT83:20:00	4	180	7	174
03OCT83:16:00	4	326	8	0	12OCT83:00:00	3	174	8	185
03OCT83:20:00	3	309	7	281	12OCT83:04:00	4	174	7	180
04OCT83:00:00	2	303	4	315	12OCT83:08:00	4	174	7	180
04OCT83:04:00	2	320	5	354	12OCT83:12:00	4	180	6	174
04OCT83:08:00	2	309	5	331	12OCT83:16:00	3	191	6	196
04OCT83:12:00	1	292	2	315	12OCT83:20:00	1	196	5	196
04OCT83:16:00	1	236	4	180	13OCT83:00:00	2	174	4	163
04OCT83:20:00	1	174	3	191	13OCT83:04:00	1	163	4	146
05OCT83:00:00	2	95	3	95	13OCT83:08:00	0	.	2	140
05OCT83:04:00	3	84	4	78	13OCT83:12:00	0	.	.	.
05OCT83:08:00	3	84	4	84	13OCT83:16:00	1	326	3	275
05OCT83:12:00	1	56	3	56	13OCT83:20:00	1	326	2	337
05OCT83:16:00	0	.	2	196	14OCT83:00:00	1	348	3	320
05OCT83:20:00	1	11	3	106	14OCT83:04:00	1	337	2	348
06OCT83:00:00	2	135	4	168	14OCT83:08:00	2	337	3	331
06OCT83:04:00	3	185	5	174	14OCT83:12:00	2	326	3	0
06OCT83:08:00	1	320	4	348	14OCT83:16:00	2	354	4	343
06OCT83:12:00	1	5	3	11	14OCT83:20:00	2	326	4	298
06OCT83:16:00	2	331	4	315	15OCT83:00:00	2	320	4	320
06OCT83:20:00	2	331	4	315	15OCT83:04:00	2	326	4	343
07OCT83:00:00	2	320	4	326	15OCT83:08:00	2	331	4	326
07OCT83:04:00	3	326	6	331	15OCT83:12:00	2	337	4	348
07OCT83:08:00	2	343	5	298	15OCT83:16:00	2	343	4	354

DNR-DIV. GEOLOGICAL AND GEOPHYSICAL SURVEYS  
 POINT MACKENZIE DATA REPORT

AVS-AVERAGE SPEED, AVD-AVERAGE DIRECTION, GUS-GUST SPEED, GUD-GUST DIRECTION  
 DIRECTION IS FROM TRUE NORTH, SPEEDS ARE IN M/S AND TIMES ARE ALASKA STANDARD

DATE TIME	AVS	AVD	GUS	GUD	DATE TIME	AVS	AVD	GUS	GUD
15OCT83:20:00	2	343	4	0	24OCT83:04:00	3	337	7	320
16OCT83:00:00	2	354	4	11	24OCT83:08:00	4	320	6	286
16OCT83:04:00	2	343	4	5	24OCT83:12:00	3	320	5	320
16OCT83:08:00	3	326	7	343	24OCT83:16:00	1	16	2	348
16OCT83:12:00	3	343	5	354	24OCT83:20:00	0	.	3	270
16OCT83:16:00	3	348	5	337	25OCT83:00:00	2	320	3	309
16OCT83:20:00	3	326	5	343	25OCT83:04:00	1	337	3	0
17OCT83:00:00	3	326	4	320	25OCT83:08:00	0	.	.	.
17OCT83:04:00	3	343	5	354	25OCT83:12:00	1	309	3	348
17OCT83:08:00	2	337	4	343	25OCT83:16:00	2	337	4	343
17OCT83:12:00	2	343	5	354	25OCT83:20:00	2	320	4	309
17OCT83:16:00	3	326	5	343	26OCT83:00:00	1	343	3	0
17OCT83:20:00	3	337	5	11	26OCT83:04:00	0	.	.	.
18OCT83:00:00	2	331	4	320	26OCT83:08:00	0	.	.	.
18OCT83:04:00	1	348	3	303	26OCT83:12:00	0	.	.	.
18OCT83:08:00	1	348	2	348	26OCT83:16:00	0	.	.	.
18OCT83:12:00	1	343	3	0	26OCT83:20:00	1	56	3	50
18OCT83:16:00	2	337	3	275	27OCT83:00:00	2	348	4	320
18OCT83:20:00	1	331	4	343	27OCT83:04:00	2	326	4	298
19OCT83:00:00	2	343	4	354	27OCT83:08:00	2	337	4	309
19OCT83:04:00	1	348	2	315	27OCT83:12:00	3	331	8	151
19OCT83:08:00	0	.	.	.	27OCT83:16:00	4	315	6	286
19OCT83:12:00	1	331	2	0	27OCT83:20:00	4	326	6	0
19OCT83:16:00	2	0	3	0	28OCT83:00:00	4	303	7	286
19OCT83:20:00	1	354	.	.	28OCT83:04:00	2	298	4	326
20OCT83:00:00	1	337	3	348	28OCT83:08:00	1	202	4	191
20OCT83:04:00	2	331	4	348	28OCT83:12:00	2	174	4	191
20OCT83:08:00	3	331	5	320	28OCT83:16:00	3	174	6	196
20OCT83:12:00	3	326	6	0	28OCT83:20:00	1	5	3	33
20OCT83:16:00	3	326	4	0	29OCT83:00:00	0	.	.	.
20OCT83:20:00	2	326	4	343	29OCT83:04:00	1	348	2	281
21OCT83:00:00	2	326	6	0	29OCT83:08:00	1	337	3	354
21OCT83:04:00	3	326	5	0	29OCT83:12:00	1	337	3	348
21OCT83:08:00	2	337	4	320	29OCT83:16:00	2	331	4	354
21OCT83:12:00	3	320	5	348	29OCT83:20:00	1	315	3	303
21OCT83:16:00	3	315	6	0	30OCT83:00:00	0	.	.	.
21OCT83:20:00	2	286	4	22	30OCT83:04:00	0	.	.	.
22OCT83:00:00	0	.	3	22	30OCT83:08:00	0	.	.	.
22OCT83:04:00	2	5	4	11	30OCT83:12:00	2	174	5	185
22OCT83:08:00	2	326	5	309	30OCT83:16:00	2	185	5	202
22OCT83:12:00	1	326	4	320	30OCT83:20:00	0	.	.	.
22OCT83:16:00	0	.	.	.	31OCT83:00:00	1	78	2	90
22OCT83:20:00	0	.	.	.	31OCT83:04:00	1	28	2	33
23OCT83:00:00	0	.	2	0	31OCT83:08:00	2	343	4	11
23OCT83:04:00	1	5	2	5	31OCT83:12:00	1	292	3	106
23OCT83:08:00	2	343	3	320	31OCT83:16:00	2	180	4	202
23OCT83:12:00	2	337	4	303	31OCT83:20:00	0	.	3	56
23OCT83:16:00	0	.	.	.	01NOV83:00:00	2	11	3	264
23OCT83:20:00	1	67	3	106	01NOV83:04:00	3	331	6	337
24OCT83:00:00	2	348	3	0	01NOV83:08:00	4	331	6	343

DNR-DIV. GEOLOGICAL AND GEOPHYSICAL SURVEYS  
 POINT MACKENZIE DATA REPORT

AVS-AVERAGE SPEED, AVD-AVERAGE DIRECTION, GUS-GUST SPEED, GUD-GUST DIRECTION  
 DIRECTION IS FROM TRUE NORTH, SPEEDS ARE IN M/S AND TIMES ARE ALASKA STANDARD

DATETIME	AVS	AVD	GUS	GUD	DATETIME	AVS	AVD	GUS	GUD
01NOV83:12:00	4	309	8	298	09NOV83:20:00	2	354	5	348
01NOV83:16:00	3	320	5	67	10NOV83:00:00	2	354	4	112
01NOV83:20:00	3	320	4	258	10NOV83:04:00	3	343	5	326
02NOV83:00:00	3	343	5	258	10NOV83:08:00	3	320	6	0
02NOV83:04:00	4	315	8	264	10NOV83:12:00	2	354	4	0
02NOV83:08:00	3	326	5	348	10NOV83:16:00	2	11	4	22
02NOV83:12:00	1	343	3	348	10NOV83:20:00	3	348	6	326
02NOV83:16:00	1	320	2	303	11NOV83:00:00	3	337	5	331
02NOV83:20:00	1	354	3	348	11NOV83:04:00	3	337	7	320
03NOV83:00:00	1	331	3	331	11NOV83:08:00	2	343	5	315
03NOV83:04:00	2	343	5	348	11NOV83:12:00	1	5	4	67
03NOV83:08:00	2	331	4	0	11NOV83:16:00	0	.	3	106
03NOV83:12:00	2	315	4	275	11NOV83:20:00	0	.	3	73
03NOV83:16:00	2	348	4	309	12NOV83:00:00	0	.	.	.
03NOV83:20:00	1	0	3	0	12NOV83:04:00	0	.	.	.
04NOV83:00:00	1	337	4	348	12NOV83:08:00	0	.	3	78
04NOV83:04:00	2	326	4	270	12NOV83:12:00	1	0	3	270
04NOV83:08:00	2	315	4	50	12NOV83:16:00	1	348	4	315
04NOV83:12:00	1	343	3	0	12NOV83:20:00	1	337	3	348
04NOV83:16:00	2	337	3	354	13NOV83:00:00	1	354	4	298
04NOV83:20:00	2	337	5	343	13NOV83:04:00	2	354	2	315
05NOV83:00:00	2	331	4	326	13NOV83:08:00	2	354	3	309
05NOV83:04:00	2	331	4	309	13NOV83:12:00	2	348	4	303
05NOV83:08:00	0	.	3	0'	13NOV83:16:00	2	326	5	264
05NOV83:12:00	1	320	.	.	13NOV83:20:00	2	343	3	343
05NOV83:16:00	1	45	2	0	14NOV83:00:00	2	0	4	28
05NOV83:20:00	0	.	.	.	14NOV83:04:00	2	348	4	331
06NOV83:00:00	1	56	3	56	14NOV83:08:00	2	343	4	0
06NOV83:04:00	1	61	2	67	14NOV83:12:00	2	348	4	0
06NOV83:08:00	0	.	.	.	14NOV83:16:00	2	348	5	135
06NOV83:12:00	1	348	.	.	14NOV83:20:00	2	343	4	326
06NOV83:16:00	1	0	2	354	15NOV83:00:00	3	331	6	230
06NOV83:20:00	0	.	.	.	15NOV83:04:00	3	337	6	326
07NOV83:00:00	1	326	4	286	15NOV83:08:00	3	331	5	28
07NOV83:04:00	1	348	4	0	15NOV83:12:00	4	337	7	298
07NOV83:08:00	2	337	3	343	15NOV83:16:00	3	331	4	0
07NOV83:12:00	2	331	4	0	15NOV83:20:00	2	331	5	213
07NOV83:16:00	2	320	4	315	16NOV83:00:00	1	73	3	45
07NOV83:20:00	2	298	4	253	16NOV83:04:00	2	61	4	73
08NOV83:00:00	2	286	3	281	16NOV83:08:00	1	354	3	61
08NOV83:04:00	1	298	3	275	16NOV83:12:00	2	337	3	331
08NOV83:08:00	2	303	4	320	16NOV83:16:00	2	337	4	163
08NOV83:12:00	2	309	4	331	16NOV83:20:00	2	348	4	5
08NOV83:16:00	2	309	4	331	17NOV83:00:00	2	337	4	202
08NOV83:20:00	1	343	3	303	17NOV83:04:00	2	348	4	315
09NOV83:00:00	1	337	3	225	17NOV83:08:00	3	331	4	315
09NOV83:04:00	2	331	4	11	17NOV83:12:00	2	331	4	151
09NOV83:08:00	2	348	4	0	17NOV83:16:00	2	354	3	0
09NOV83:12:00	1	343	4	315	17NOV83:20:00	1	337	3	213
09NOV83:16:00	1	343	2	286	18NOV83:00:00	1	16	3	61

DNR-DIV. GEOLOGICAL AND GEOPHYSICAL SURVEYS  
 POINT MACKENZIE DATA REPORT

AVS-AVERAGE SPEED, AVD-AVERAGE DIRECTION, GUS-GUST SPEED, GUD-GUST DIRECTION  
 DIRECTION IS FROM TRUE NORTH, SPEEDS ARE IN M/S AND TIMES ARE ALASKA STANDARD

DATETIME	AVS	AVD	GUS	GUD	DATETIME	AVS	AVD	GUS	GUD
18NOV83:04:00	1	348	3	73	26NOV83:12:00	2	354	4	22
18NOV83:08:00	2	61	4	78	26NOV83:16:00	2	343	3	315
18NOV83:12:00	1	56	3	61	26NOV83:20:00	2	337	4	343
18NOV83:16:00	1	28	2	61	27NOV83:00:00	3	343	5	56
18NOV83:20:00	2	348	4	0	27NOV83:04:00	2	331	4	337
19NOV83:00:00	2	337	4	320	27NOV83:08:00	2	337	4	331
19NOV83:04:00	3	343	4	0	27NOV83:12:00	2	337	4	123
19NOV83:08:00	1	5	3	163	27NOV83:16:00	2	354	4	0
19NOV83:12:00	0	.	.	.	27NOV83:20:00	2	343	4	0
19NOV83:16:00	1	16	.	.	28NOV83:00:00	2	343	4	331
19NOV83:20:00	1	337	2	303	28NOV83:04:00	2	320	4	241
20NOV83:00:00	2	337	4	354	28NOV83:08:00	2	303	4	168
20NOV83:04:00	2	337	4	326	28NOV83:12:00	1	281	3	230
20NOV83:08:00	2	343	4	67	28NOV83:16:00	2	303	5	28
20NOV83:12:00	2	326	4	320	28NOV83:20:00	2	320	5	33
20NOV83:16:00	2	320	4	331	29NOV83:00:00	1	315	3	0
20NOV83:20:00	2	315	4	331	29NOV83:04:00	2	315	5	73
21NOV83:00:00	2	315	5	326	29NOV83:08:00	2	303	5	39
21NOV83:04:00	2	309	5	281	29NOV83:12:00	2	303	4	315
21NOV83:08:00	2	315	4	247	29NOV83:16:00	1	298	3	180
21NOV83:12:00	2	326	4	0	29NOV83:20:00	1	303	3	0
21NOV83:16:00	2	315	4	281	30NOV83:00:00	2	326	5	101
21NOV83:20:00	2	343	4	185	30NOV83:04:00	1	286	3	236
22NOV83:00:00	0	.	.	.	30NOV83:08:00	2	309	5	247
22NOV83:04:00	1	56	3	67	30NOV83:12:00	2	326	5	281
22NOV83:08:00	0	.	.	.	30NOV83:16:00	1	309	3	286
22NOV83:12:00	2	326	5	123	30NOV83:20:00	1	309	3	112
22NOV83:16:00	1	343	4	326	01DEC83:00:00	2	343	4	5
22NOV83:20:00	1	320	3	320	01DEC83:04:00	1	343	3	292
23NOV83:00:00	1	320	3	320	01DEC83:08:00	2	354	3	354
23NOV83:04:00	1	320	2	320	01DEC83:12:00	2	343	4	320
23NOV83:08:00	0	.	.	.	01DEC83:16:00	2	348	5	281
23NOV83:12:00	0	.	.	.	01DEC83:20:00	2	337	4	331
23NOV83:16:00	1	326	3	320	02DEC83:00:00	1	303	3	348
23NOV83:20:00	1	326	2	320	02DEC83:04:00	0	.	2	90
24NOV83:00:00	1	326	.	.	02DEC83:08:00	1	61	3	28
24NOV83:04:00	1	326	3	320	02DEC83:12:00	0	.	2	50
24NOV83:08:00	0	.	3	320	02DEC83:16:00	0	.	.	.
24NOV83:12:00	1	320	3	320	02DEC83:20:00	0	.	.	.
24NOV83:16:00	1	343	2	0	03DEC83:00:00	1	101	3	95
24NOV83:20:00	1	0	3	0	03DEC83:04:00	0	.	.	.
25NOV83:00:00	1	0	.	.	03DEC83:08:00	0	.	.	.
25NOV83:04:00	2	0	4	0	03DEC83:12:00	0	.	.	.
25NOV83:08:00	2	0	5	0	03DEC83:16:00	0	.	.	.
25NOV83:12:00	3	0	4	0	03DEC83:20:00	0	.	.	.
25NOV83:16:00	3	337	6	241	04DEC83:00:00	1	0	2	61
25NOV83:20:00	3	337	5	354	04DEC83:04:00	1	61	3	61
26NOV83:00:00	3	331	5	320	04DEC83:08:00	2	78	4	90
26NOV83:04:00	3	337	4	331	04DEC83:12:00	2	67	4	95
26NOV83:08:00	3	343	4	320	04DEC83:16:00	1	61	4	106

DNR-DIV. GEOLOGICAL AND GEOPHYSICAL SURVEYS  
 POINT MACKENZIE DATA REPORT

AVS-AVERAGE SPEED, AVD-AVERAGE DIRECTION, GUS-GUST SPEED, GUD-GUST DIRECTION  
 DIRECTION IS FROM TRUE NORTH, SPEEDS ARE IN M/S AND TIMES ARE ALASKA STANDARD

DATE TIME	AVS	AVD	GUS	GUD	DATE TIME	AVS	AVD	GUS	GUD
04DEC83:20:00	1	95	3	106	13DEC83:04:00	1	343	.	.
05DEC83:00:00	0	.	.	.	13DEC83:08:00	1	354	2	343
05DEC83:04:00	1	331	3	331	13DEC83:12:00	0	.	.	.
05DEC83:08:00	2	320	4	331	13DEC83:16:00	0	.	.	.
05DEC83:12:00	2	320	3	5	13DEC83:20:00	0	.	.	.
05DEC83:16:00	2	326	4	315	14DEC83:00:00	0	.	.	.
05DEC83:20:00	2	326	4	326	14DEC83:04:00	0	.	.	.
06DEC83:00:00	1	343	3	0	14DEC83:08:00	0	.	.	.
06DEC83:04:00	1	331	3	315	14DEC83:12:00	0	.	.	.
06DEC83:08:00	1	348	.	.	14DEC83:16:00	0	.	.	.
06DEC83:12:00	1	0	.	.	14DEC83:20:00	0	.	.	.
06DEC83:16:00	0	.	2	61	15DEC83:00:00	0	.	.	.
06DEC83:20:00	1	11	.	.	15DEC83:04:00	0	.	3	326
07DEC83:00:00	1	16	3	0	15DEC83:08:00	0	.	4	331
07DEC83:04:00	2	348	4	331	16DEC83:12:00	1	337	3	174
07DEC83:08:00	2	348	3	0	16DEC83:16:00	1	337	3	174
07DEC83:12:00	2	348	4	354	16DEC83:20:00	1	337	4	39
07DEC83:16:00	2	320	4	343	17DEC83:00:00	3	337	4	343
07DEC83:20:00	3	331	6	298	17DEC83:04:00	2	331	4	331
08DEC83:00:00	2	326	4	0	17DEC83:08:00	3	326	5	326
08DEC83:04:00	2	354	4	354	17DEC83:12:00	2	331	4	219
08DEC83:08:00	2	337	4	315	17DEC83:16:00	2	343	4	331
08DEC83:12:00	2	354	4	146	17DEC83:20:00	2	343	4	208
08DEC83:16:00	0	.	3	0	18DEC83:00:00	2	337	4	331
08DEC83:20:00	0	.	.	.	18DEC83:04:00	1	354	3	0
09DEC83:00:00	0	.	2	354	18DEC83:08:00	1	354	2	11
09DEC83:04:00	0	.	.	.	18DEC83:12:00	1	337	2	354
09DEC83:08:00	2	354	4	0	18DEC83:16:00	2	337	3	331
09DEC83:12:00	2	331	4	219	18DEC83:20:00	1	337	3	343
09DEC83:16:00	2	320	4	270	19DEC83:00:00	1	348	2	0
09DEC83:20:00	3	320	5	0	19DEC83:04:00	1	343	3	354
10DEC83:00:00	3	331	6	315	19DEC83:08:00	1	348	2	354
10DEC83:04:00	3	320	5	0	19DEC83:12:00	1	337	3	331
10DEC83:08:00	3	320	5	331	19DEC83:16:00	2	331	4	264
10DEC83:12:00	3	326	6	78	19DEC83:20:00	1	39	4	331
10DEC83:16:00	3	309	5	326	20DEC83:00:00	0	.	.	.
10DEC83:20:00	3	331	5	343	20DEC83:04:00	0	.	.	.
11DEC83:00:00	2	343	4	33	20DEC83:08:00	1	337	3	343
11DEC83:04:00	2	348	4	343	20DEC83:12:00	2	343	4	0
11DEC83:08:00	3	337	4	0	20DEC83:16:00	1	348	3	0
11DEC83:12:00	2	320	4	286	20DEC83:20:00	1	331	4	0
11DEC83:16:00	3	315	5	292	21DEC83:00:00	2	348	4	320
11DEC83:20:00	3	337	6	309	21DEC83:04:00	2	343	4	315
12DEC83:00:00	2	343	4	5	21DEC83:08:00	2	331	4	253
12DEC83:04:00	2	0	4	11	21DEC83:12:00	2	348	4	326
12DEC83:08:00	2	354	3	275	21DEC83:16:00	2	337	4	337
12DEC83:12:00	2	348	3	348	21DEC83:20:00	2	343	3	354
12DEC83:16:00	1	343	2	0	22DEC83:00:00	2	326	3	0
12DEC83:20:00	1	343	.	.	22DEC83:04:00	2	337	3	0
13DEC83:00:00	0	.	.	.	22DEC83:08:00	1	331	3	0

DNR-DIV. GEOLOGICAL AND GEOPHYSICAL SURVEYS  
 POINT MACKENZIE DATA REPORT

AVS-AVERAGE SPEED, AVD-AVERAGE DIRECTION, GUS-GUST SPEED, GUD-GUST DIRECTION  
 DIRECTION IS FROM TRUE NORTH, SPEEDS ARE IN M/S AND TIMES ARE ALASKA STANDARD

DATE TIME	AVS	AVD	GUS	GUD	DATE TIME	AVS	AVD	GUS	GUD
22DEC83:12:00	2	331	3	236	30DEC83:20:00	2	354	3	348
22DEC83:16:00	2	337	3	106	31DEC83:00:00	2	348	3	0
22DEC83:20:00	2	348	4	320	31DEC83:04:00	1	0	3	0
23DEC83:00:00	1	0	2	0	31DEC83:08:00	1	0	2	135
23DEC83:04:00	1	343	.	.	31DEC83:12:00	2	331	3	0
23DEC83:08:00	0	.	.	.	31DEC83:16:00	2	331	4	337
23DEC83:12:00	1	337	3	174	31DEC83:20:00	2	337	4	331
23DEC83:16:00	1	343	3	331	01JAN84:00:00	3	331	5	298
23DEC83:20:00	1	348	2	0					
24DEC83:00:00	1	348	2	331					
24DEC83:04:00	1	354	3	354					
24DEC83:08:00	0	.	3	0					
24DEC83:12:00	1	354	.	.					
24DEC83:16:00	0	.	2	0					
24DEC83:20:00	0	.	.	.					
25DEC83:00:00	0	.	.	.					
25DEC83:04:00	0	.	.	.					
25DEC83:08:00	0	.	.	.					
25DEC83:12:00	0	.	.	.					
25DEC83:16:00	0	.	.	.					
25DEC83:20:00	0	.	.	.					
26DEC83:00:00	2	320	4	258					
26DEC83:04:00	3	315	5	326					
26DEC83:08:00	4	326	6	0					
26DEC83:12:00	4	315	9	22					
26DEC83:16:00	5	343	10	303					
26DEC83:20:00	3	320	6	225					
27DEC83:00:00	2	343	3	0					
27DEC83:04:00	2	337	4	320					
27DEC83:08:00	2	348	6	90					
27DEC83:12:00	0	.	.	.					
27DEC83:16:00	0	.	.	.					
27DEC83:20:00	0	.	.	.					
28DEC83:00:00	0	.	.	.					
28DEC83:04:00	0	.	.	.					
28DEC83:08:00	0	.	3	5					
28DEC83:12:00	0	.	.	.					
28DEC83:16:00	1	326	2	348					
28DEC83:20:00	2	348	3	348					
29DEC83:00:00	2	343	3	315					
29DEC83:04:00	2	337	3	303					
29DEC83:08:00	1	0	3	0					
29DEC83:12:00	1	354	2	50					
29DEC83:16:00	1	337	3	331					
29DEC83:20:00	2	337	3	230					
30DEC83:00:00	2	348	3	0					
30DEC83:04:00	2	354	3	0					
30DEC83:08:00	2	354	3	5					
30DEC83:12:00	2	348	3	0					
30DEC83:16:00	2	337	3	163					