

Public-data File 88-31

WIND DATA FROM THE POINT MACKENZIE WIND STATION, 1987

By

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Alaska Division of
Geological and Geophysical Surveys

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

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99577-0070.

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).

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
01JAN87:02:00	3	331	4	354	09JAN87:10:00	2	84	6	191
01JAN87:06:00	3	331	6	343	09JAN87:14:00	4	202	6	219
01JAN87:10:00	3	337	5	0	09JAN87:18:00	4	196	7	185
01JAN87:14:00	2	326	4	5	09JAN87:22:00	3	180	6	191
01JAN87:18:00	2	16	4	56	10JAN87:02:00	1	202	2	208
01JAN87:22:00	2	61	4	73	10JAN87:06:00	1	219	3	202
02JAN87:02:00	1	39	3	73	10JAN87:10:00	3	191	4	196
02JAN87:06:00	1	118	3	112	10JAN87:14:00	3	180	5	168
02JAN87:10:00	2	185	5	219	10JAN87:18:00	2	191	4	174
02JAN87:14:00	2	191	4	213	10JAN87:22:00	1	315	3	326
02JAN87:18:00	1	230	3	185	11JAN87:02:00	2	320	4	309
02JAN87:22:00	1	16	3	354	11JAN87:06:00	2	320	3	331
03JAN87:02:00	2	331	3	11	11JAN87:10:00	2	320	4	326
03JAN87:06:00	2	303	4	337	11JAN87:14:00	1	326	2	326
03JAN87:10:00	1	337	3	343	11JAN87:18:00	1	343	.	.
03JAN87:14:00	1	320	3	0	11JAN87:22:00	0	.	.	.
03JAN87:18:00	2	331	3	331	12JAN87:02:00	0	.	.	.
03JAN87:22:00	2	326	4	5	12JAN87:06:00	1	348	2	320
04JAN87:02:00	2	331	4	337	12JAN87:10:00	1	343	3	0
04JAN87:06:00	3	326	4	337	12JAN87:14:00	2	354	4	337
04JAN87:10:00	3	331	5	315	12JAN87:18:00	3	354	5	11
04JAN87:14:00	3	326	4	348	12JAN87:22:00	3	343	5	343
04JAN87:18:00	3	315	5	309	13JAN87:02:00	3	337	7	298
04JAN87:22:00	3	337	4	331	13JAN87:06:00	3	343	5	326
05JAN87:02:00	3	326	5	320	13JAN87:10:00	3	343	5	0
05JAN87:06:00	2	331	4	0	13JAN87:14:00	3	337	5	348
05JAN87:10:00	2	320	3	320	13JAN87:18:00	2	320	4	309
05JAN87:14:00	2	309	4	343	13JAN87:22:00	3	326	6	348
05JAN87:18:00	1	230	3	180	14JAN87:02:00	2	320	4	331
05JAN87:22:00	3	180	5	174	14JAN87:06:00	2	343	3	0
06JAN87:02:00	2	67	4	90	14JAN87:10:00	2	331	4	0
06JAN87:06:00	2	11	4	0	14JAN87:14:00	2	326	4	331
06JAN87:10:00	3	11	5	22	14JAN87:18:00	2	326	4	11
06JAN87:14:00	3	11	6	0	14JAN87:22:00	2	337	3	348
06JAN87:18:00	2	50	7	50	15JAN87:02:00	2	337	3	343
06JAN87:22:00	5	174	8	174	15JAN87:06:00	2	315	4	309
07JAN87:02:00	5	180	9	163	15JAN87:10:00	2	320	4	326
07JAN87:06:00	4	185	7	168	15JAN87:14:00	2	343	4	67
07JAN87:10:00	2	78	4	191	15JAN87:18:00	3	11	7	78
07JAN87:14:00	2	348	5	320	15JAN87:22:00	2	326	4	16
07JAN87:18:00	4	331	6	320	16JAN87:02:00	2	337	4	331
07JAN87:22:00	4	331	7	343	16JAN87:06:00	1	331	3	5
08JAN87:02:00	2	320	5	331	16JAN87:10:00	1	331	3	343
08JAN87:06:00	2	320	4	315	16JAN87:14:00	1	348	4	73
08JAN87:10:00	3	320	4	298	16JAN87:18:00	1	5	3	73
08JAN87:14:00	2	326	4	298	16JAN87:22:00	1	45	2	337
08JAN87:18:00	3	331	4	315	17JAN87:02:00	1	67	2	270
08JAN87:22:00	2	331	5	11	17JAN87:06:00	2	67	4	45
09JAN87:02:00	4	39	6	50	17JAN87:10:00	2	67	4	67
09JAN87:06:00	3	50	7	50	17JAN87:14:00	1	22	3	67

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
17JAN87:18:00	1	275	4	95	26JAN87:02:00	.	.	.	.
17JAN87:22:00	2	101	4	106	26JAN87:06:00	.	.	.	.
18JAN87:02:00	3	168	5	180	26JAN87:10:00	.	.	.	.
18JAN87:06:00	2	101	3	50	26JAN87:14:00	.	.	.	.
18JAN87:10:00	2	22	4	61	26JAN87:18:00	.	.	.	.
18JAN87:14:00	2	337	4	0	26JAN87:22:00	.	.	.	.
18JAN87:18:00	3	326	5	0	27JAN87:02:00	.	.	.	.
18JAN87:22:00	3	11	4	22	27JAN87:06:00	.	.	.	.
19JAN87:02:00	3	33	5	45	27JAN87:10:00	.	.	.	.
19JAN87:06:00	3	0	4	0	27JAN87:14:00	.	.	.	.
19JAN87:10:00	2	309	4	343	27JAN87:18:00	.	.	.	.
19JAN87:14:00	2	241	4	202	27JAN87:22:00	.	.	.	.
19JAN87:18:00	4	180	6	196	28JAN87:02:00	.	.	.	.
19JAN87:22:00	3	185	6	202	28JAN87:06:00	.	.	.	.
20JAN87:02:00	2	84	4	118	28JAN87:10:00	.	.	.	.
20JAN87:06:00	1	50	3	39	28JAN87:14:00	.	.	.	.
20JAN87:10:00	2	326	4	0	28JAN87:18:00	.	.	.	.
20JAN87:14:00	2	331	3	0	28JAN87:22:00	.	.	.	.
20JAN87:18:00	2	331	3	343	29JAN87:02:00	.	.	.	.
20JAN87:22:00	3	337	5	343	29JAN87:06:00	.	.	.	.
21JAN87:02:00	3	343	5	348	29JAN87:10:00	.	.	.	.
21JAN87:06:00	2	320	4	303	29JAN87:14:00	.	.	.	.
21JAN87:10:00	2	320	4	315	29JAN87:18:00	.	.	.	.
21JAN87:14:00	2	292	4	315	29JAN87:22:00	.	.	.	.
21JAN87:18:00	2	292	4	309	30JAN87:02:00	.	.	.	.
21JAN87:22:00	2	292	3	320	30JAN87:06:00	.	.	.	.
22JAN87:02:00	2	315	4	298	30JAN87:10:00	.	.	.	.
22JAN87:06:00	2	61	5	22	30JAN87:14:00	.	.	.	.
22JAN87:10:00	1	343	3	95	30JAN87:18:00	.	.	.	.
22JAN87:14:00	2	33	5	56	30JAN87:22:00	.	.	.	.
22JAN87:18:00	3	11	5	0	31JAN87:02:00	.	.	.	.
22JAN87:22:00	3	45	6	39	31JAN87:06:00	.	.	.	.
23JAN87:02:00	1	5	3	0	31JAN87:10:00	.	.	.	.
23JAN87:06:00	1	16	3	5	31JAN87:14:00	.	.	.	.
23JAN87:10:00	.	.	.	.	31JAN87:18:00	.	.	.	.
23JAN87:14:00	.	.	.	.	31JAN87:22:00	.	.	.	.
23JAN87:18:00	.	.	.	.	01FEB87:02:00	.	.	.	.
23JAN87:22:00	.	.	.	.	01FEB87:06:00	.	.	.	.
24JAN87:02:00	.	.	.	.	01FEB87:10:00	.	.	.	.
24JAN87:06:00	.	.	.	.	01FEB87:14:00	.	.	.	.
24JAN87:10:00	.	.	.	.	01FEB87:18:00	.	.	.	.
24JAN87:14:00	.	.	.	.	01FEB87:22:00	.	.	.	.
24JAN87:18:00	.	.	.	.	02FEB87:02:00	.	.	.	.
24JAN87:22:00	.	.	.	.	02FEB87:06:00	.	.	.	.
25JAN87:02:00	.	.	.	.	02FEB87:10:00	.	.	.	.
25JAN87:06:00	.	.	.	.	02FEB87:14:00	.	.	.	.
25JAN87:10:00	.	.	.	.	02FEB87:18:00	.	.	.	.
25JAN87:14:00	.	.	.	.	02FEB87:22:00	.	.	.	.
25JAN87:18:00	.	.	.	.	03FEB87:02:00	.	.	.	.
25JAN87:22:00	.	.	.	.	03FEB87:06:00	.	.	.	.

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
03FEB87:10:00	.	.	.	.	11FEB87:16:00	4	331	7	331
03FEB87:14:00	.	.	.	.	11FEB87:20:00	3	326	4	309
03FEB87:18:00	.	.	.	.	12FEB87:00:00	3	331	4	0
03FEB87:22:00	.	.	.	.	12FEB87:04:00	3	343	4	5
04FEB87:02:00	.	.	.	.	12FEB87:08:00	3	326	4	331
04FEB87:06:00	.	.	.	.	12FEB87:12:00	3	320	5	320
04FEB87:10:00	.	.	.	.	12FEB87:16:00	3	326	5	337
04FEB87:14:00	.	.	.	.	12FEB87:20:00	2	331	4	337
04FEB87:18:00	.	.	.	.	13FEB87:00:00	2	337	4	331
04FEB87:22:00	.	.	.	.	13FEB87:04:00	3	337	4	331
05FEB87:02:00	.	.	.	.	13FEB87:08:00	3	337	4	337
05FEB87:06:00	.	.	.	.	13FEB87:12:00	3	337	5	0
05FEB87:10:00	.	.	.	.	13FEB87:16:00	2	337	4	0
05FEB87:14:00	.	.	.	.	13FEB87:20:00	2	343	4	315
05FEB87:18:00	.	.	.	.	14FEB87:00:00	3	343	5	326
05FEB87:22:00	.	.	.	.	14FEB87:04:00	3	343	5	0
06FEB87:02:00	.	.	.	.	14FEB87:08:00	3	348	4	5
06FEB87:06:00	.	.	.	.	14FEB87:12:00	2	331	4	320
06FEB87:10:00	.	.	.	.	14FEB87:16:00	2	354	3	348
06FEB87:14:00	.	.	.	.	14FEB87:20:00	2	348	3	348
06FEB87:18:00	.	.	.	.	15FEB87:00:00	2	331	4	320
06FEB87:22:00	.	.	.	.	15FEB87:04:00	3	337	4	326
07FEB87:02:00	.	.	.	.	15FEB87:08:00	3	326	5	337
07FEB87:06:00	.	.	.	.	15FEB87:12:00	3	337	5	343
07FEB87:10:00	.	.	.	.	15FEB87:16:00	2	343	4	348
07FEB87:14:00	.	.	.	.	15FEB87:20:00	2	343	4	331
07FEB87:18:00	.	.	.	.	16FEB87:00:00	2	343	4	0
07FEB87:22:00	.	.	.	.	16FEB87:04:00	2	337	3	309
08FEB87:02:00	.	.	.	.	16FEB87:08:00	2	343	4	326
08FEB87:06:00	.	.	.	.	16FEB87:12:00	1	354	2	337
08FEB87:10:00	.	.	.	.	16FEB87:16:00	1	343	2	331
08FEB87:14:00	.	.	.	.	16FEB87:20:00	2	331	3	0
08FEB87:18:00	.	.	.	.	17FEB87:00:00	2	343	4	5
08FEB87:22:00	.	.	.	.	17FEB87:04:00	2	331	4	11
09FEB87:02:00	.	.	.	.	17FEB87:08:00	1	326	4	315
09FEB87:06:00	.	.	.	.	17FEB87:12:00	2	303	4	298
09FEB87:10:00	.	.	.	.	17FEB87:16:00	2	309	4	309
09FEB87:12:00	1	337	3	28	17FEB87:20:00	1	320	3	5
09FEB87:16:00	0	.	.	.	18FEB87:00:00	1	337	2	0
09FEB87:20:00	2	320	3	331	18FEB87:04:00	1	331	3	0
10FEB87:00:00	2	337	4	0	18FEB87:08:00	2	354	4	337
10FEB87:04:00	1	343	3	337	18FEB87:12:00	2	343	4	5
10FEB87:08:00	2	337	3	337	18FEB87:16:00	1	315	3	331
10FEB87:12:00	2	343	3	343	18FEB87:20:00	2	315	4	337
10FEB87:16:00	1	354	4	354	19FEB87:00:00	3	320	4	331
10FEB87:20:00	0	.	.	.	19FEB87:04:00	2	320	4	315
11FEB87:00:00	2	343	3	337	19FEB87:08:00	2	219	4	202
11FEB87:04:00	4	331	5	326	19FEB87:12:00	2	157	4	168
11FEB87:08:00	4	315	5	326	19FEB87:16:00	3	78	5	67
11FEB87:12:00	4	320	6	343	19FEB87:20:00	1	50	3	56

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
20FEB87:00:00	2	331	4	0	28FEB87:08:00	2	326	4	348
20FEB87:04:00	2	326	4	331	28FEB87:12:00	2	309	3	331
20FEB87:08:00	2	315	4	320	28FEB87:16:00	2	337	3	348
20FEB87:12:00	1	326	4	320	28FEB87:20:00	3	337	5	0
20FEB87:16:00	1	16	3	50	01MAR87:00:00	3	337	6	0
20FEB87:20:00	1	337	.	.	01MAR87:04:00	4	331	5	343
21FEB87:00:00	1	303	2	258	01MAR87:08:00	3	331	5	343
21FEB87:04:00	1	292	2	281	01MAR87:12:00	3	331	6	309
21FEB87:08:00	1	326	3	348	01MAR87:16:00	2	292	4	320
21FEB87:12:00	1	258	3	185	01MAR87:20:00	1	315	3	298
21FEB87:16:00	3	174	6	185	02MAR87:00:00	3	331	4	309
21FEB87:20:00	4	174	7	191	02MAR87:04:00	3	326	5	315
22FEB87:00:00	4	174	7	168	02MAR87:08:00	2	326	4	326
22FEB87:04:00	3	174	5	191	02MAR87:12:00	3	337	5	348
22FEB87:08:00	1	78	4	73	02MAR87:16:00	1	281	3	348
22FEB87:12:00	2	348	4	0	02MAR87:20:00	0	.	2	45
22FEB87:16:00	2	326	3	331	03MAR87:00:00	1	343	3	0
22FEB87:20:00	2	326	4	331	03MAR87:04:00	2	337	3	0
23FEB87:00:00	2	303	5	331	03MAR87:08:00	2	331	3	326
23FEB87:04:00	2	309	4	298	03MAR87:12:00	2	337	4	337
23FEB87:08:00	1	253	4	230	03MAR87:16:00	2	354	4	348
23FEB87:12:00	4	191	7	202	03MAR87:20:00	2	337	3	292
23FEB87:16:00	4	180	8	168	04MAR87:00:00	2	326	4	320
23FEB87:20:00	4	168	8	191	04MAR87:04:00	2	331	5	0
24FEB87:00:00	5	191	8	168	04MAR87:08:00	3	337	4	292
24FEB87:04:00	4	185	7	191	04MAR87:12:00	4	343	5	343
24FEB87:08:00	3	202	5	191	04MAR87:16:00	3	16	5	16
24FEB87:12:00	2	213	4	213	04MAR87:20:00	3	0	6	22
24FEB87:16:00	0	.	.	.	05MAR87:00:00	2	331	4	343
24FEB87:20:00	2	315	5	303	05MAR87:04:00	3	348	6	343
25FEB87:00:00	3	315	5	309	05MAR87:08:00	4	16	6	33
25FEB87:04:00	4	320	8	331	05MAR87:12:00	4	28	7	16
25FEB87:08:00	5	337	10	331	05MAR87:16:00	4	16	8	33
25FEB87:12:00	11	348	20	348	05MAR87:20:00	4	11	6	22
25FEB87:16:00	9	348	15	0	06MAR87:00:00	3	331	4	343
25FEB87:20:00	4	11	10	348	06MAR87:04:00	4	331	7	320
26FEB87:00:00	4	0	7	11	06MAR87:08:00	3	326	5	343
26FEB87:04:00	4	0	8	0	06MAR87:12:00	3	337	5	343
26FEB87:08:00	4	343	7	0	06MAR87:16:00	3	354	6	348
26FEB87:12:00	5	0	8	11	06MAR87:20:00	2	354	4	337
26FEB87:16:00	4	354	6	343	07MAR87:00:00	3	331	4	331
26FEB87:20:00	3	331	5	343	07MAR87:04:00	3	326	5	315
27FEB87:00:00	3	326	5	315	07MAR87:08:00	3	326	4	309
27FEB87:04:00	2	315	4	315	07MAR87:12:00	3	331	5	326
27FEB87:08:00	2	348	4	320	07MAR87:16:00	3	326	5	326
27FEB87:12:00	1	146	3	106	07MAR87:20:00	3	326	5	337
27FEB87:16:00	1	202	3	185	08MAR87:00:00	3	343	4	343
27FEB87:20:00	1	303	3	326	08MAR87:04:00	3	337	5	348
28FEB87:00:00	2	337	5	0	08MAR87:08:00	3	337	5	0
28FEB87:04:00	2	343	4	348	08MAR87:12:00	2	326	4	315

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
08MAR87:16:00	2	348	4	348	17MAR87:00:00	2	337	3	343
08MAR87:20:00	2	348	4	343	17MAR87:04:00	2	348	3	0
09MAR87:00:00	3	337	5	337	17MAR87:08:00	2	343	3	337
09MAR87:04:00	3	337	4	337	17MAR87:12:00	1	241	3	241
09MAR87:08:00	3	331	4	315	17MAR87:16:00	1	208	3	185
09MAR87:12:00	2	331	4	0	17MAR87:20:00	1	140	.	.
09MAR87:16:00	2	337	3	331	18MAR87:00:00	1	73	3	67
09MAR87:20:00	2	326	4	0	18MAR87:04:00	1	50	.	.
10MAR87:00:00	2	337	3	343	18MAR87:08:00	0	.	.	.
10MAR87:04:00	2	348	4	331	18MAR87:12:00	2	247	3	264
10MAR87:08:00	2	337	3	343	18MAR87:16:00	1	275	3	247
10MAR87:12:00	2	348	3	0	18MAR87:20:00	1	331	2	11
10MAR87:16:00	2	343	3	337	19MAR87:00:00	1	326	2	320
10MAR87:20:00	1	5	3	343	19MAR87:04:00	2	337	3	326
11MAR87:00:00	1	337	3	331	19MAR87:08:00	2	348	4	354
11MAR87:04:00	2	337	3	337	19MAR87:12:00	1	219	2	247
11MAR87:08:00	2	343	3	315	19MAR87:16:00	0	.	.	.
11MAR87:12:00	1	337	3	343	19MAR87:20:00	2	208	3	202
11MAR87:16:00	1	213	2	230	20MAR87:00:00	1	196	3	191
11MAR87:20:00	0	.	.	.	20MAR87:04:00	1	90	3	95
12MAR87:00:00	0	.	.	.	20MAR87:08:00	2	73	4	61
12MAR87:04:00	0	.	.	.	20MAR87:12:00	2	61	4	78
12MAR87:08:00	1	337	2	0	20MAR87:16:00	1	298	3	298
12MAR87:12:00	1	241	2	258	20MAR87:20:00	1	309	3	326
12MAR87:16:00	0	.	2	213	21MAR87:00:00	2	309	3	343
12MAR87:20:00	1	343	.	.	21MAR87:04:00	2	331	3	28
13MAR87:00:00	1	343	.	.	21MAR87:08:00	2	5	4	28
13MAR87:04:00	1	348	.	.	21MAR87:12:00	1	286	3	303
13MAR87:08:00	2	348	3	0	21MAR87:16:00	3	33	4	56
13MAR87:12:00	1	241	3	196	21MAR87:20:00	2	33	3	16
13MAR87:16:00	1	225	.	.	22MAR87:00:00	1	33	3	28
13MAR87:20:00	0	.	.	.	22MAR87:04:00	1	253	3	28
14MAR87:00:00	1	5	.	.	22MAR87:08:00	1	39	4	67
14MAR87:04:00	1	348	.	.	22MAR87:12:00	2	61	4	95
14MAR87:08:00	1	331	3	286	22MAR87:16:00	2	56	4	67
14MAR87:12:00	2	348	3	348	22MAR87:20:00	1	22	3	61
14MAR87:16:00	1	303	3	0	23MAR87:00:00	1	331	3	320
14MAR87:20:00	2	354	3	11	23MAR87:04:00	1	315	3	0
15MAR87:00:00	2	320	3	337	23MAR87:08:00	1	292	.	.
15MAR87:04:00	2	331	4	337	23MAR87:12:00	2	219	4	213
15MAR87:08:00	2	331	4	320	23MAR87:16:00	2	258	3	191
15MAR87:12:00	2	331	4	354	23MAR87:20:00	1	298	3	247
15MAR87:16:00	2	337	5	0	24MAR87:00:00	2	11	4	348
15MAR87:20:00	2	315	3	320	24MAR87:04:00	3	16	4	16
16MAR87:00:00	2	320	4	331	24MAR87:08:00	3	16	6	50
16MAR87:04:00	2	354	3	0	24MAR87:12:00	2	28	4	0
16MAR87:08:00	2	354	4	0	24MAR87:16:00	2	253	5	202
16MAR87:12:00	1	298	3	0	24MAR87:20:00	2	230	4	264
16MAR87:16:00	2	348	3	348	25MAR87:00:00	2	84	3	73
16MAR87:20:00	1	326	2	320	25MAR87:04:00	2	73	4	73

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
25MAR87:08:00	0	.	2	5	02APR87:16:00	3	343	5	0
25MAR87:12:00	1	163	3	78	02APR87:20:00	3	331	5	343
25MAR87:16:00	1	247	3	219	03APR87:00:00	2	326	4	343
25MAR87:20:00	1	78	3	78	03APR87:04:00	1	343	2	354
26MAR87:00:00	1	56	3	50	03APR87:08:00	1	315	4	320
26MAR87:04:00	2	61	3	56	03APR87:12:00	1	281	3	292
26MAR87:08:00	1	61	3	56	03APR87:16:00	1	303	3	337
26MAR87:12:00	1	253	2	264	03APR87:20:00	2	315	3	331
26MAR87:16:00	1	241	4	185	04APR87:00:00	3	315	4	292
26MAR87:20:00	1	208	3	185	04APR87:04:00	2	326	4	0
27MAR87:00:00	0	.	.	.	04APR87:08:00	2	326	4	331
27MAR87:04:00	2	61	3	61	04APR87:12:00	2	326	3	0
27MAR87:08:00	2	78	4	56	04APR87:16:00	1	303	3	309
27MAR87:12:00	1	225	3	219	04APR87:20:00	3	208	7	230
27MAR87:16:00	2	230	4	174	05APR87:00:00	1	84	4	73
27MAR87:20:00	2	0	3	5	05APR87:04:00	0	.	.	.
28MAR87:00:00	1	331	2	337	05APR87:08:00	1	337	2	253
28MAR87:04:00	3	331	4	337	05APR87:12:00	1	258	3	225
28MAR87:08:00	3	326	5	343	05APR87:16:00	1	264	3	208
28MAR87:12:00	3	331	5	326	05APR87:20:00	1	292	.	.
28MAR87:16:00	3	337	6	0	06APR87:00:00	1	315	2	45
28MAR87:20:00	2	320	4	315	06APR87:04:00	0	.	.	.
29MAR87:00:00	2	309	4	337	06APR87:08:00	2	348	4	0
29MAR87:04:00	2	326	4	354	06APR87:12:00	3	337	5	315
29MAR87:08:00	2	315	4	315	06APR87:16:00	3	348	5	343
29MAR87:12:00	1	331	4	348	06APR87:20:00	3	337	4	0
29MAR87:16:00	1	230	3	270	07APR87:00:00	3	326	4	331
29MAR87:20:00	1	320	3	303	07APR87:04:00	3	320	4	315
30MAR87:00:00	1	320	2	241	07APR87:08:00	3	326	5	331
30MAR87:04:00	1	225	2	78	07APR87:12:00	3	0	5	348
30MAR87:08:00	2	118	3	84	07APR87:16:00	3	50	5	67
30MAR87:12:00	2	230	3	241	07APR87:20:00	2	5	4	16
30MAR87:16:00	3	163	7	185	08APR87:00:00	3	331	4	343
30MAR87:20:00	3	185	5	180	08APR87:04:00	3	326	4	343
31MAR87:00:00	3	174	4	168	08APR87:08:00	3	315	4	343
31MAR87:04:00	2	140	4	157	08APR87:12:00	2	331	4	337
31MAR87:08:00	2	123	4	185	08APR87:16:00	2	50	4	0
31MAR87:12:00	2	225	4	185	08APR87:20:00	2	50	4	33
31MAR87:16:00	1	281	3	292	09APR87:00:00	1	337	4	343
31MAR87:20:00	0	.	.	.	09APR87:04:00	2	326	4	331
01APR87:00:00	2	56	3	56	09APR87:08:00	3	326	4	315
01APR87:04:00	1	331	.	.	09APR87:12:00	4	331	5	315
01APR87:08:00	2	331	3	5	09APR87:16:00	4	331	5	326
01APR87:12:00	2	275	3	230	09APR87:20:00	3	320	5	303
01APR87:16:00	1	247	.	.	10APR87:00:00	1	309	2	309
01APR87:20:00	0	.	.	.	10APR87:04:00	1	315	4	331
02APR87:00:00	1	343	3	343	10APR87:08:00	1	309	3	303
02APR87:04:00	2	326	4	286	10APR87:12:00	1	270	5	191
02APR87:08:00	3	326	4	337	10APR87:16:00	2	202	4	191
02APR87:12:00	3	343	5	320	10APR87:20:00	1	213	3	225

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
11APR87:00:00	0	.	.	.	19APR87:08:00	3	320	5	331
11APR87:04:00	0	.	.	.	19APR87:12:00	3	326	4	348
11APR87:08:00	1	253	3	180	19APR87:16:00	3	320	5	331
11APR87:12:00	2	264	3	292	19APR87:20:00	1	225	3	236
11APR87:16:00	1	270	3	298	20APR87:00:00	0	.	.	.
11APR87:20:00	0	.	.	.	20APR87:04:00	0	.	2	354
12APR87:00:00	1	196	2	185	20APR87:08:00	1	303	4	309
12APR87:04:00	1	123	.	.	20APR87:12:00	2	241	4	225
12APR87:08:00	0	.	.	.	20APR87:16:00	3	196	4	202
12APR87:12:00	1	258	3	236	20APR87:20:00	1	225	4	185
12APR87:16:00	1	258	3	241	21APR87:00:00	1	0	2	39
12APR87:20:00	0	.	.	.	21APR87:04:00	1	281	2	196
13APR87:00:00	0	.	.	.	21APR87:08:00	1	303	4	281
13APR87:04:00	0	.	.	.	21APR87:12:00	2	292	4	275
13APR87:08:00	1	286	.	.	21APR87:16:00	2	337	4	298
13APR87:12:00	1	28	3	56	21APR87:20:00	1	219	2	225
13APR87:16:00	2	337	4	326	22APR87:00:00	0	.	2	202
13APR87:20:00	2	337	4	326	22APR87:04:00	1	16	4	33
14APR87:00:00	2	326	4	343	22APR87:08:00	2	354	4	326
14APR87:04:00	2	337	4	320	22APR87:12:00	3	337	5	337
14APR87:08:00	3	343	4	5	22APR87:16:00	2	320	4	309
14APR87:12:00	2	286	5	191	22APR87:20:00	1	354	3	39
14APR87:16:00	1	275	2	315	23APR87:00:00	1	337	.	.
14APR87:20:00	1	146	4	146	23APR87:04:00	1	315	3	11
15APR87:00:00	1	78	2	112	23APR87:08:00	2	326	3	337
15APR87:04:00	0	.	.	.	23APR87:12:00	2	309	4	275
15APR87:08:00	2	348	3	343	23APR87:16:00	2	247	3	292
15APR87:12:00	2	320	4	0	23APR87:20:00	1	264	.	.
15APR87:16:00	1	230	3	270	24APR87:00:00	0	.	.	.
15APR87:20:00	1	264	2	236	24APR87:04:00	1	50	3	50
16APR87:00:00	1	247	3	202	24APR87:08:00	2	140	4	180
16APR87:04:00	2	196	4	202	24APR87:12:00	3	202	5	219
16APR87:08:00	3	191	4	180	24APR87:16:00	3	202	5	213
16APR87:12:00	3	191	4	191	24APR87:20:00	2	180	4	168
16APR87:16:00	2	202	4	180	25APR87:00:00	1	185	4	191
16APR87:20:00	1	219	2	230	25APR87:04:00	3	135	5	106
17APR87:00:00	0	.	.	.	25APR87:08:00	2	135	4	118
17APR87:04:00	0	.	.	.	25APR87:12:00	1	241	4	219
17APR87:08:00	2	185	4	180	25APR87:16:00	1	230	3	202
17APR87:12:00	2	202	5	191	25APR87:20:00	1	309	3	343
17APR87:16:00	2	213	4	219	26APR87:00:00	1	320	2	343
17APR87:20:00	1	191	2	191	26APR87:04:00	1	315	2	11
18APR87:00:00	0	.	.	.	26APR87:08:00	2	270	4	258
18APR87:04:00	1	61	2	56	26APR87:12:00	2	258	5	236
18APR87:08:00	1	0	3	0	26APR87:16:00	2	225	4	191
18APR87:12:00	2	253	4	11	26APR87:20:00	1	286	3	303
18APR87:16:00	2	163	4	129	27APR87:00:00	1	309	2	320
18APR87:20:00	2	5	3	326	27APR87:04:00	1	326	.	.
19APR87:00:00	2	315	4	326	27APR87:08:00	1	50	4	84
19APR87:04:00	2	331	4	331	27APR87:12:00	2	208	4	185

DNR-DIV. GEOLOGICAL AND GEOPHYSICAL SURVEYS

1

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
27APR87:16:00	2	202	4	202	06MAY87:00:00	.	.	.	.
27APR87:20:00	0	.	2	22	06MAY87:04:00	.	.	.	.
28APR87:00:00	0	.	.	.	06MAY87:08:00	.	.	.	.
28APR87:04:00	1	343	2	348	06MAY87:12:00	.	.	.	.
28APR87:08:00	1	309	3	33	06MAY87:16:00	.	.	.	.
28APR87:12:00	2	0	5	343	06MAY87:20:00	.	.	.	.
28APR87:16:00	1	309	3	90	07MAY87:00:00	.	.	.	.
28APR87:20:00	1	258	3	180	07MAY87:04:00	.	.	.	.
29APR87:00:00	1	275	.	.	07MAY87:08:00	.	.	.	.
29APR87:04:00	1	320	.	.	07MAY87:12:00	.	.	.	.
29APR87:08:00	2	0	4	343	07MAY87:16:00	.	.	.	.
29APR87:12:00	4	5	5	343	07MAY87:20:00	.	.	.	.
29APR87:16:00	2	95	5	180	08MAY87:00:00	.	.	.	.
29APR87:20:00	1	292	2	315	08MAY87:04:00	.	.	.	.
30APR87:00:00	1	348	3	50	08MAY87:08:00	.	.	.	.
30APR87:04:00	1	343	.	.	08MAY87:12:00	.	.	.	.
30APR87:08:00	1	343	3	348	08MAY87:16:00	.	.	.	.
30APR87:12:00	2	213	4	168	08MAY87:20:00	.	.	.	.
30APR87:16:00	2	230	3	208	09MAY87:00:00	.	.	.	.
30APR87:20:00	0	.	2	281	09MAY87:04:00	.	.	.	.
01MAY87:00:00	1	326	2	292	09MAY87:08:00	.	.	.	.
01MAY87:04:00	1	22	2	0	09MAY87:12:00	.	.	.	.
01MAY87:08:00	1	90	3	106	09MAY87:16:00	.	.	.	.
01MAY87:12:00	2	219	4	230	09MAY87:20:00	.	.	.	.
01MAY87:16:00	2	213	4	185	10MAY87:00:00	.	.	.	.
01MAY87:20:00	1	264	3	286	10MAY87:04:00	.	.	.	.
02MAY87:00:00	0	.	.	.	10MAY87:08:00	.	.	.	.
02MAY87:04:00	1	225	.	.	10MAY87:12:00	.	.	.	.
02MAY87:08:00	2	208	4	180	10MAY87:16:00	.	.	.	.
02MAY87:12:00	2	213	4	196	10MAY87:20:00	.	.	.	.
02MAY87:16:00	1	202	3	180	11MAY87:00:00	.	.	.	.
02MAY87:20:00	1	225	2	202	11MAY87:04:00	.	.	.	.
03MAY87:00:00	1	185	3	185	11MAY87:08:00	.	.	.	.
03MAY87:04:00	0	.	.	.	11MAY87:12:00	.	.	.	.
03MAY87:08:00	1	67	3	28	11MAY87:16:00	.	.	.	.
03MAY87:12:00	2	354	5	348	11MAY87:20:00	.	.	.	.
03MAY87:16:00	3	196	4	202	12MAY87:00:00	.	.	.	.
03MAY87:20:00	1	196	3	185	12MAY87:04:00	.	.	.	.
04MAY87:00:00	1	191	3	191	12MAY87:08:00	.	.	.	.
04MAY87:04:00	1	129	.	.	12MAY87:12:00	.	.	.	.
04MAY87:08:00	2	191	4	236	12MAY87:16:00	.	.	.	.
04MAY87:12:00	3	196	6	174	12MAY87:20:00	.	.	.	.
04MAY87:16:00	3	185	5	180	13MAY87:00:00	.	.	.	.
04MAY87:20:00	1	90	3	73	13MAY87:04:00	.	.	.	.
05MAY87:00:00	0	.	2	61	13MAY87:08:00	.	.	.	.
05MAY87:04:00	1	315	2	90	13MAY87:12:00	.	.	.	.
05MAY87:08:00	2	174	5	168	13MAY87:16:00	.	.	.	.
05MAY87:12:00	.	.	.	.	13MAY87:20:00	.	.	.	.
05MAY87:16:00	.	.	.	.	14MAY87:00:00	.	.	.	.
05MAY87:20:00	.	.	.	.	14MAY87:04:00	.	.	.	.

DNR-DIV. GEOLOGICAL AND GEOPHYSICAL SURVEYS

1

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
14MAY87:08:00	22MAY87:16:00	.	.	.	.
14MAY87:12:00	22MAY87:20:00	.	.	.	.
14MAY87:16:00	23MAY87:00:00	.	.	.	.
14MAY87:20:00	23MAY87:04:00	.	.	.	.
15MAY87:00:00	23MAY87:08:00	.	.	.	.
15MAY87:04:00	23MAY87:12:00	.	.	.	.
15MAY87:08:00	23MAY87:16:00	.	.	.	.
15MAY87:12:00	23MAY87:20:00	.	.	.	.
15MAY87:16:00	24MAY87:00:00	.	.	.	.
15MAY87:20:00	24MAY87:04:00	.	.	.	.
16MAY87:00:00	24MAY87:08:00	.	.	.	.
16MAY87:04:00	24MAY87:12:00	.	.	.	.
16MAY87:08:00	24MAY87:16:00	.	.	.	.
16MAY87:12:00	24MAY87:20:00	.	.	.	.
16MAY87:16:00	25MAY87:00:00	.	.	.	.
16MAY87:20:00	25MAY87:04:00	.	.	.	.
17MAY87:00:00	25MAY87:08:00	.	.	.	.
17MAY87:04:00	25MAY87:12:00	.	.	.	.
17MAY87:08:00	25MAY87:16:00	.	.	.	.
17MAY87:12:00	25MAY87:20:00	.	.	.	.
17MAY87:16:00	26MAY87:00:00	.	.	.	.
17MAY87:20:00	26MAY87:04:00	.	.	.	.
18MAY87:00:00	26MAY87:08:00	.	.	.	.
18MAY87:04:00	26MAY87:12:00	.	.	.	.
18MAY87:08:00	26MAY87:16:00	.	.	.	.
18MAY87:12:00	26MAY87:20:00	.	.	.	.
18MAY87:16:00	27MAY87:00:00	.	.	.	.
18MAY87:20:00	27MAY87:04:00	.	.	.	.
19MAY87:00:00	27MAY87:08:00	.	.	.	.
19MAY87:04:00	27MAY87:12:00	.	.	.	.
19MAY87:08:00	27MAY87:16:00	.	.	.	.
19MAY87:12:00	27MAY87:20:00	.	.	.	.
19MAY87:16:00	28MAY87:00:00	.	.	.	.
19MAY87:20:00	28MAY87:04:00	.	.	.	.
20MAY87:00:00	28MAY87:08:00	.	.	.	.
20MAY87:04:00	28MAY87:12:00	.	.	.	.
20MAY87:08:00	28MAY87:16:00	.	.	.	.
20MAY87:12:00	28MAY87:20:00	.	.	.	.
20MAY87:16:00	29MAY87:00:00	.	.	.	.
20MAY87:20:00	29MAY87:04:00	.	.	.	.
21MAY87:00:00	29MAY87:08:00	.	.	.	.
21MAY87:04:00	29MAY87:12:00	.	.	.	.
21MAY87:08:00	29MAY87:16:00	.	.	.	.
21MAY87:12:00	29MAY87:20:00	.	.	.	.
21MAY87:16:00	30MAY87:00:00	.	.	.	.
21MAY87:20:00	30MAY87:04:00	.	.	.	.
22MAY87:00:00	30MAY87:08:00	.	.	.	.
22MAY87:04:00	30MAY87:12:00	.	.	.	.
22MAY87:08:00	30MAY87:16:00	.	.	.	.
22MAY87:12:00	30MAY87:20:00	.	.	.	.

DNR-DIV. GEOLOGICAL AND GEOPHYSICAL SURVEYS

1

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
31MAY87:00:00	08JUN87:08:00	.	.	.	.
31MAY87:04:00	08JUN87:12:00	.	.	.	.
31MAY87:08:00	08JUN87:16:00	.	.	.	.
31MAY87:12:00	08JUN87:20:00	.	.	.	.
31MAY87:16:00	09JUN87:00:00	.	.	.	.
31MAY87:20:00	09JUN87:04:00	.	.	.	.
01JUN87:00:00	09JUN87:08:00	.	.	.	.
01JUN87:04:00	09JUN87:12:00	.	.	.	.
01JUN87:08:00	09JUN87:16:00	.	.	.	.
01JUN87:12:00	09JUN87:20:00	.	.	.	.
01JUN87:16:00	10JUN87:00:00	.	.	.	.
01JUN87:20:00	10JUN87:04:00	.	.	.	.
02JUN87:00:00	10JUN87:08:00	.	.	.	.
02JUN87:04:00	10JUN87:12:00	.	.	.	.
02JUN87:08:00	10JUN87:16:00	.	.	.	.
02JUN87:12:00	10JUN87:20:00	.	.	.	.
02JUN87:16:00	11JUN87:00:00	.	.	.	.
02JUN87:20:00	11JUN87:04:00	.	.	.	.
03JUN87:00:00	11JUN87:08:00	.	.	.	.
03JUN87:04:00	11JUN87:12:00	.	.	.	.
03JUN87:08:00	11JUN87:16:00	.	.	.	.
03JUN87:12:00	11JUN87:20:00	.	.	.	.
03JUN87:16:00	12JUN87:00:00	.	.	.	.
03JUN87:20:00	12JUN87:04:00	.	.	.	.
04JUN87:00:00	12JUN87:08:00	.	.	.	.
04JUN87:04:00	12JUN87:12:00	.	.	.	.
04JUN87:08:00	12JUN87:16:00	.	.	.	.
04JUN87:12:00	12JUN87:20:00	.	.	.	.
04JUN87:16:00	13JUN87:00:00	.	.	.	.
04JUN87:20:00	13JUN87:04:00	.	.	.	.
05JUN87:00:00	13JUN87:08:00	.	.	.	.
05JUN87:04:00	13JUN87:12:00	.	.	.	.
05JUN87:08:00	13JUN87:16:00	.	.	.	.
05JUN87:12:00	13JUN87:20:00	.	.	.	.
05JUN87:16:00	14JUN87:00:00	.	.	.	.
05JUN87:20:00	14JUN87:04:00	.	.	.	.
06JUN87:00:00	14JUN87:08:00	.	.	.	.
06JUN87:04:00	14JUN87:12:00	.	.	.	.
06JUN87:08:00	14JUN87:16:00	.	.	.	.
06JUN87:12:00	14JUN87:20:00	.	.	.	.
06JUN87:16:00	15JUN87:00:00	.	.	.	.
06JUN87:20:00	15JUN87:04:00	.	.	.	.
07JUN87:00:00	15JUN87:08:00	.	.	.	.
07JUN87:04:00	15JUN87:12:00	.	.	.	.
07JUN87:08:00	15JUN87:16:00	.	.	.	.
07JUN87:12:00	15JUN87:20:00	.	.	.	.
07JUN87:16:00	16JUN87:00:00	.	.	.	.
07JUN87:20:00	16JUN87:04:00	.	.	.	.
08JUN87:00:00	16JUN87:08:00	.	.	.	.
08JUN87:04:00	16JUN87:12:00	.	.	.	.

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

1

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
16JUN87:16:00	.	.	.	.	24JUN87:22:00	1	320	3	337
16JUN87:20:00	.	.	.	.	25JUN87:02:00	0	.	.	.
17JUN87:00:00	.	.	.	.	25JUN87:06:00	0	.	.	.
17JUN87:04:00	.	.	.	.	25JUN87:10:00	2	39	4	39
17JUN87:08:00	.	.	.	.	25JUN87:14:00	2	253	4	337
17JUN87:12:00	.	.	.	.	25JUN87:18:00	3	191	5	185
17JUN87:16:00	.	.	.	.	25JUN87:22:00	3	185	5	180
17JUN87:20:00	.	.	.	.	26JUN87:02:00	1	191	3	174
18JUN87:00:00	.	.	.	.	26JUN87:06:00	1	343	4	0
18JUN87:04:00	.	.	.	.	26JUN87:10:00	0	.	.	.
18JUN87:08:00	.	.	.	.	26JUN87:14:00	1	303	3	298
18JUN87:12:00	.	.	.	.	26JUN87:18:00	1	123	3	196
18JUN87:16:00	.	.	.	.	26JUN87:22:00	1	264	2	264
18JUN87:20:00	.	.	.	.	27JUN87:02:00	1	315	3	0
19JUN87:00:00	.	.	.	.	27JUN87:06:00	1	343	2	326
19JUN87:04:00	.	.	.	.	27JUN87:10:00	1	326	3	326
19JUN87:08:00	.	.	.	.	27JUN87:14:00	3	326	5	337
19JUN87:12:00	.	.	.	.	27JUN87:18:00	2	331	4	337
19JUN87:16:00	.	.	.	.	27JUN87:22:00	1	303	4	298
19JUN87:20:00	.	.	.	.	28JUN87:02:00	1	292	.	.
20JUN87:00:00	.	.	.	.	28JUN87:06:00	1	315	.	.
20JUN87:04:00	.	.	.	.	28JUN87:10:00	1	309	2	320
20JUN87:08:00	.	.	.	.	28JUN87:14:00	1	264	3	258
20JUN87:12:00	.	.	.	.	28JUN87:18:00	1	264	2	298
20JUN87:16:00	.	.	.	.	28JUN87:22:00	1	270	4	281
20JUN87:20:00	.	.	.	.	29JUN87:02:00	1	281	3	298
21JUN87:00:00	.	.	.	.	29JUN87:06:00	1	337	2	315
21JUN87:04:00	.	.	.	.	29JUN87:10:00	1	281	3	298
21JUN87:08:00	.	.	.	.	29JUN87:14:00	2	343	5	185
21JUN87:12:00	.	.	.	.	29JUN87:18:00	4	168	6	202
21JUN87:16:00	.	.	.	.	29JUN87:22:00	4	191	8	185
21JUN87:20:00	.	.	.	.	30JUN87:02:00	3	202	6	219
22JUN87:00:00	.	.	.	.	30JUN87:06:00	0	.	3	208
22JUN87:04:00	.	.	.	.	30JUN87:10:00	0	.	3	258
22JUN87:08:00	.	.	.	.	30JUN87:14:00	2	123	3	129
22JUN87:12:00	.	.	.	.	30JUN87:18:00	2	196	4	185
22JUN87:14:00	1	298	3	309	30JUN87:22:00	2	225	3	230
22JUN87:18:00	2	315	3	343	01JUL87:02:00	1	196	3	191
22JUN87:22:00	1	258	2	230	01JUL87:06:00	2	185	4	196
23JUN87:02:00	0	.	.	.	01JUL87:10:00	2	185	5	174
23JUN87:06:00	1	326	2	331	01JUL87:14:00	3	196	5	174
23JUN87:10:00	1	50	3	73	01JUL87:18:00	3	196	5	213
23JUN87:14:00	1	208	3	202	01JUL87:22:00	3	196	5	180
23JUN87:18:00	3	196	4	185	02JUL87:02:00	1	196	4	180
23JUN87:22:00	3	191	4	180	02JUL87:06:00	1	191	3	196
24JUN87:02:00	1	185	2	196	02JUL87:10:00	1	208	3	213
24JUN87:06:00	0	.	2	343	02JUL87:14:00	1	225	4	180
24JUN87:10:00	1	343	2	326	02JUL87:18:00	2	196	4	185
24JUN87:14:00	1	106	3	112	02JUL87:22:00	2	202	4	185
24JUN87:18:00	2	230	3	202	03JUL87:02:00	2	202	4	236

DNR-DIV. GEOLOGICAL AND GEOPHYSICAL SURVEYS

1

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
03JUL87:06:00	2	180	4	196	11JUL87:14:00	1	157	4	196
03JUL87:10:00	2	180	4	196	11JUL87:18:00	2	191	4	185
03JUL87:14:00	2	191	4	196	11JUL87:22:00	2	202	4	196
03JUL87:18:00	3	196	4	180	12JUL87:02:00	0	.	.	.
03JUL87:22:00	3	202	4	230	12JUL87:06:00	0	.	.	.
04JUL87:02:00	1	208	3	213	12JUL87:10:00	2	174	3	180
04JUL87:06:00	1	174	3	163	12JUL87:14:00	2	191	4	196
04JUL87:10:00	1	174	3	174	12JUL87:18:00	1	213	4	196
04JUL87:14:00	2	202	3	202	12JUL87:22:00	1	213	3	180
04JUL87:18:00	2	196	4	185	13JUL87:02:00	0	.	.	.
04JUL87:22:00	2	213	4	174	13JUL87:06:00	0	.	.	.
05JUL87:02:00	1	196	2	219	13JUL87:10:00	0	.	.	.
05JUL87:06:00	1	213	3	202	13JUL87:14:00	1	236	2	236
05JUL87:10:00	1	202	4	168	13JUL87:18:00	2	208	4	180
05JUL87:14:00	1	208	3	208	13JUL87:22:00	2	202	4	196
05JUL87:18:00	1	50	4	67	14JUL87:02:00	2	191	4	185
05JUL87:22:00	1	45	.	.	14JUL87:06:00	2	180	3	191
06JUL87:02:00	1	208	3	208	14JUL87:10:00	2	168	4	191
06JUL87:06:00	2	208	3	225	14JUL87:14:00	3	196	4	202
06JUL87:10:00	2	191	4	185	14JUL87:18:00	3	101	4	90
06JUL87:14:00	1	196	3	208	14JUL87:22:00	2	78	4	73
06JUL87:18:00	1	213	2	270	15JUL87:02:00	0	.	2	84
06JUL87:22:00	0	.	.	.	15JUL87:06:00	0	.	.	.
07JUL87:02:00	0	.	.	.	15JUL87:10:00	0	.	.	.
07JUL87:06:00	0	.	.	.	15JUL87:14:00	2	219	3	191
07JUL87:10:00	1	11	3	0	15JUL87:18:00	2	230	4	241
07JUL87:14:00	2	39	3	0	15JUL87:22:00	1	230	3	230
07JUL87:18:00	2	331	3	191	16JUL87:02:00	0	.	.	.
07JUL87:22:00	2	202	5	196	16JUL87:06:00	2	61	3	67
08JUL87:02:00	2	202	3	208	16JUL87:10:00	1	5	4	45
08JUL87:06:00	1	196	4	196	16JUL87:14:00	2	337	4	298
08JUL87:10:00	1	191	2	185	16JUL87:18:00	2	73	4	78
08JUL87:14:00	2	208	3	185	16JUL87:22:00	2	163	4	191
08JUL87:18:00	2	196	4	185	17JUL87:02:00	1	0	3	331
08JUL87:22:00	2	191	4	196	17JUL87:06:00	2	337	4	343
09JUL87:02:00	1	213	.	.	17JUL87:10:00	2	343	3	326
09JUL87:06:00	0	.	.	.	17JUL87:14:00	1	0	3	185
09JUL87:10:00	1	185	2	157	17JUL87:18:00	1	241	3	185
09JUL87:14:00	1	191	4	213	17JUL87:22:00	1	84	3	326
09JUL87:18:00	3	191	5	180	18JUL87:02:00	1	253	4	180
09JUL87:22:00	2	208	4	202	18JUL87:06:00	2	185	5	180
10JUL87:02:00	2	196	3	180	18JUL87:10:00	1	202	4	180
10JUL87:06:00	2	185	4	208	18JUL87:14:00	1	185	3	208
10JUL87:10:00	1	168	3	213	18JUL87:18:00	1	281	3	191
10JUL87:14:00	2	196	4	213	18JUL87:22:00	0	.	.	.
10JUL87:18:00	3	196	4	202	19JUL87:02:00	0	.	.	.
10JUL87:22:00	3	202	4	196	19JUL87:06:00	0	.	.	.
11JUL87:02:00	2	196	4	185	19JUL87:10:00	0	.	.	.
11JUL87:06:00	1	174	4	168	19JUL87:14:00	1	247	3	50
11JUL87:10:00	1	163	4	185	19JUL87:18:00	1	315	3	0

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

1

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
19JUL87:22:00	1	315	3	39	28JUL87:06:00	2	84	4	73
20JUL87:02:00	0	.	2	39	28JUL87:10:00	1	90	2	61
20JUL87:06:00	1	78	3	61	28JUL87:14:00	2	185	4	196
20JUL87:10:00	1	146	4	208	28JUL87:18:00	2	202	4	219
20JUL87:14:00	2	208	5	202	28JUL87:22:00	2	208	4	219
20JUL87:18:00	1	174	4	185	29JUL87:02:00	2	196	4	202
20JUL87:22:00	1	191	4	185	29JUL87:06:00	1	157	3	196
21JUL87:02:00	0	.	3	185	29JUL87:10:00	2	168	4	196
21JUL87:06:00	1	168	4	180	29JUL87:14:00	3	191	5	163
21JUL87:10:00	1	157	3	163	29JUL87:18:00	3	196	4	185
21JUL87:14:00	2	196	4	281	29JUL87:22:00	3	213	4	202
21JUL87:18:00	2	196	4	213	30JUL87:02:00	2	230	3	213
21JUL87:22:00	2	163	4	191	30JUL87:06:00	1	118	3	101
22JUL87:02:00	0	.	.	.	30JUL87:10:00	2	202	5	151
22JUL87:06:00	1	73	2	84	30JUL87:14:00	1	118	4	202
22JUL87:10:00	2	67	3	73	30JUL87:18:00	1	202	4	185
22JUL87:14:00	0	.	2	185	30JUL87:22:00	1	196	3	219
22JUL87:18:00	2	95	4	61	31JUL87:02:00	2	78	3	78
22JUL87:22:00	1	28	3	45	31JUL87:06:00	1	50	2	50
23JUL87:02:00	0	.	3	174	31JUL87:10:00	1	90	5	174
23JUL87:06:00	0	.	.	.	31JUL87:14:00	2	180	5	208
23JUL87:10:00	0	.	.	.	31JUL87:18:00	0	.	3	73
23JUL87:14:00	1	253	3	213	31JUL87:22:00	0	.	.	.
23JUL87:18:00	3	208	6	196	01AUG87:02:00	1	73	.	.
23JUL87:22:00	2	202	4	196	01AUG87:06:00	0	.	2	61
24JUL87:02:00	2	191	4	225	01AUG87:10:00	0	.	2	22
24JUL87:06:00	1	146	2	196	01AUG87:14:00	1	101	4	129
24JUL87:10:00	1	95	2	123	01AUG87:18:00	2	174	6	213
24JUL87:14:00	1	191	3	191	01AUG87:22:00	2	202	4	118
24JUL87:18:00	2	191	4	185	02AUG87:02:00	1	196	2	208
24JUL87:22:00	1	213	3	168	02AUG87:06:00	1	185	2	219
25JUL87:02:00	1	303	3	331	02AUG87:10:00	1	101	.	.
25JUL87:06:00	0	.	.	.	02AUG87:14:00	1	225	3	275
25JUL87:10:00	2	337	4	0	02AUG87:18:00	1	230	4	185
25JUL87:14:00	3	343	7	348	02AUG87:22:00	1	213	3	230
25JUL87:18:00	3	343	6	0	03AUG87:02:00	1	213	3	202
25JUL87:22:00	3	320	6	309	03AUG87:06:00	0	.	.	.
26JUL87:02:00	2	320	4	320	03AUG87:10:00	0	.	.	.
26JUL87:06:00	2	309	4	315	03AUG87:14:00	1	185	3	112
26JUL87:10:00	2	315	5	326	03AUG87:18:00	2	180	4	191
26JUL87:14:00	3	343	5	5	03AUG87:22:00	2	202	4	174
26JUL87:18:00	3	354	5	5	04AUG87:02:00	1	185	2	208
26JUL87:22:00	3	348	6	343	04AUG87:06:00	0	.	.	.
27JUL87:02:00	1	343	3	348	04AUG87:10:00	1	67	3	45
27JUL87:06:00	1	343	4	0	04AUG87:14:00	1	67	3	84
27JUL87:10:00	1	39	3	22	04AUG87:18:00	1	157	3	157
27JUL87:14:00	2	315	4	0	04AUG87:22:00	0	.	3	146
27JUL87:18:00	3	202	4	185	05AUG87:02:00	1	343	2	0
27JUL87:22:00	2	208	4	196	05AUG87:06:00	1	309	2	0
28JUL87:02:00	2	106	4	84	05AUG87:10:00	1	326	4	315

DNR-DIV. GEOLOGICAL AND GEOPHYSICAL SURVEYS

1

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
05AUG87:14:00	1	298	4	298	13AUG87:22:00	1	196	3	191
05AUG87:18:00	1	292	3	281	14AUG87:02:00	1	151	4	180
05AUG87:22:00	1	95	3	78	14AUG87:06:00	1	185	3	202
06AUG87:02:00	1	151	3	180	14AUG87:10:00	2	180	4	180
06AUG87:06:00	2	196	4	185	14AUG87:14:00	3	191	5	191
06AUG87:10:00	0	.	.	.	14AUG87:18:00	3	196	4	185
06AUG87:14:00	1	151	3	112	14AUG87:22:00	2	185	4	208
06AUG87:18:00	1	78	2	67	15AUG87:02:00	0	.	.	.
06AUG87:22:00	1	241	3	202	15AUG87:06:00	0	.	.	.
07AUG87:02:00	1	213	3	191	15AUG87:10:00	1	180	3	202
07AUG87:06:00	2	185	4	196	15AUG87:14:00	1	270	2	281
07AUG87:10:00	2	90	3	84	15AUG87:18:00	3	191	5	191
07AUG87:14:00	2	90	3	73	15AUG87:22:00	2	191	4	230
07AUG87:18:00	1	95	3	90	16AUG87:02:00	1	84	2	101
07AUG87:22:00	0	.	2	326	16AUG87:06:00	0	.	.	.
08AUG87:02:00	0	.	2	67	16AUG87:10:00	0	.	.	.
08AUG87:06:00	1	73	.	.	16AUG87:14:00	1	264	3	303
08AUG87:10:00	0	.	.	.	16AUG87:18:00	3	208	5	185
08AUG87:14:00	1	258	2	180	16AUG87:22:00	2	225	5	0
08AUG87:18:00	1	298	3	348	17AUG87:02:00	1	45	2	101
08AUG87:22:00	1	315	3	315	17AUG87:06:00	0	.	.	.
09AUG87:02:00	0	.	.	.	17AUG87:10:00	1	78	3	101
09AUG87:06:00	0	.	.	.	17AUG87:14:00	1	202	4	168
09AUG87:10:00	0	.	.	.	17AUG87:18:00	1	22	3	343
09AUG87:14:00	1	326	3	219	17AUG87:22:00	1	213	3	196
09AUG87:18:00	2	225	4	185	18AUG87:02:00	0	.	.	.
09AUG87:22:00	2	219	4	202	18AUG87:06:00	0	.	.	.
10AUG87:02:00	1	196	4	196	18AUG87:10:00	1	95	.	.
10AUG87:06:00	1	163	3	180	18AUG87:14:00	2	174	4	202
10AUG87:10:00	1	202	3	174	18AUG87:18:00	3	202	4	174
10AUG87:14:00	1	180	2	196	18AUG87:22:00	1	196	3	185
10AUG87:18:00	2	202	4	185	19AUG87:02:00	0	.	.	.
10AUG87:22:00	1	213	2	202	19AUG87:06:00	1	73	4	84
11AUG87:02:00	0	.	.	.	19AUG87:10:00	2	78	3	90
11AUG87:06:00	0	.	.	.	19AUG87:14:00	2	320	5	348
11AUG87:10:00	1	78	2	28	19AUG87:18:00	3	343	5	315
11AUG87:14:00	1	331	3	11	19AUG87:22:00	2	61	4	337
11AUG87:18:00	1	84	3	39	20AUG87:02:00	2	326	4	315
11AUG87:22:00	0	.	.	.	20AUG87:06:00	2	320	4	320
12AUG87:02:00	0	.	.	.	20AUG87:10:00	3	326	5	309
12AUG87:06:00	0	.	.	.	20AUG87:14:00	3	348	7	0
12AUG87:10:00	0	.	2	28	20AUG87:18:00	3	11	5	22
12AUG87:14:00	1	5	3	39	20AUG87:22:00	1	0	4	331
12AUG87:18:00	3	174	5	185	21AUG87:02:00	1	331	3	320
12AUG87:22:00	3	196	4	196	21AUG87:06:00	2	320	4	320
13AUG87:02:00	1	185	3	180	21AUG87:10:00	2	343	3	343
13AUG87:06:00	1	191	4	185	21AUG87:14:00	3	354	4	303
13AUG87:10:00	2	191	4	230	21AUG87:18:00	2	22	4	0
13AUG87:14:00	3	196	4	174	21AUG87:22:00	0	.	.	.
13AUG87:18:00	3	208	5	241	22AUG87:02:00	1	101	2	78

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

1

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
22AUG87:06:00	2	73	3	90	30AUG87:14:00	4	343	6	5
22AUG87:10:00	2	73	3	78	30AUG87:18:00	4	354	8	0
22AUG87:14:00	1	118	3	123	30AUG87:22:00	3	0	5	348
22AUG87:18:00	1	219	4	208	31AUG87:02:00	3	337	6	0
22AUG87:22:00	0	.	3	180	31AUG87:06:00	3	331	4	343
23AUG87:02:00	1	73	3	61	31AUG87:10:00	3	331	5	337
23AUG87:06:00	1	45	3	78	31AUG87:14:00	3	348	5	11
23AUG87:10:00	1	45	2	39	31AUG87:18:00	2	5	4	45
23AUG87:14:00	1	16	4	348	31AUG87:22:00	1	208	3	230
23AUG87:18:00	1	28	3	67	01SEP87:02:00	1	84	.	.
23AUG87:22:00	1	309	3	45	01SEP87:06:00	2	73	4	73
24AUG87:02:00	0	.	2	61	01SEP87:10:00	2	84	2	67
24AUG87:06:00	1	50	2	67	01SEP87:14:00	1	106	3	67
24AUG87:10:00	1	0	3	0	01SEP87:18:00	1	73	2	56
24AUG87:14:00	2	343	3	0	01SEP87:22:00	2	61	3	50
24AUG87:18:00	2	343	4	5	02SEP87:02:00	1	28	3	16
24AUG87:22:00	1	202	3	0	02SEP87:06:00	1	5	3	39
25AUG87:02:00	1	78	3	95	02SEP87:10:00	1	320	2	337
25AUG87:06:00	0	.	.	.	02SEP87:14:00	2	348	4	0
25AUG87:10:00	0	.	2	45	02SEP87:18:00	2	354	3	354
25AUG87:14:00	1	39	3	331	02SEP87:22:00	1	326	3	348
25AUG87:18:00	1	292	3	292	03SEP87:02:00	1	0	3	106
25AUG87:22:00	1	225	2	315	03SEP87:06:00	1	28	4	84
26AUG87:02:00	1	73	2	73	03SEP87:10:00	1	22	4	45
26AUG87:06:00	0	.	.	.	03SEP87:14:00	2	11	3	45
26AUG87:10:00	1	78	2	90	03SEP87:18:00	1	320	3	348
26AUG87:14:00	1	191	3	185	03SEP87:22:00	1	78	4	135
26AUG87:18:00	2	213	4	191	04SEP87:02:00	1	129	4	196
26AUG87:22:00	2	202	4	180	04SEP87:06:00	3	180	5	185
27AUG87:02:00	3	180	5	180	04SEP87:10:00	4	185	6	180
27AUG87:06:00	1	106	2	151	04SEP87:14:00	4	174	8	191
27AUG87:10:00	0	.	.	.	04SEP87:18:00	4	191	6	202
27AUG87:14:00	1	157	4	191	04SEP87:22:00	3	180	5	185
27AUG87:18:00	3	202	5	196	05SEP87:02:00	3	185	5	196
27AUG87:22:00	2	202	3	213	05SEP87:06:00	1	101	3	90
28AUG87:02:00	0	.	.	.	05SEP87:10:00	1	78	3	90
28AUG87:06:00	0	.	.	.	05SEP87:14:00	1	146	.	.
28AUG87:10:00	1	309	2	343	05SEP87:18:00	1	196	3	202
28AUG87:14:00	1	331	.	.	05SEP87:22:00	1	95	4	236
28AUG87:18:00	0	.	3	219	06SEP87:02:00	2	118	4	168
28AUG87:22:00	1	168	3	73	06SEP87:06:00	0	.	3	33
29AUG87:02:00	0	.	.	.	06SEP87:10:00	1	45	2	39
29AUG87:06:00	0	.	.	.	06SEP87:14:00	2	39	3	33
29AUG87:10:00	1	73	.	.	06SEP87:18:00	2	11	4	39
29AUG87:14:00	2	84	3	84	06SEP87:22:00	2	11	3	28
29AUG87:18:00	1	219	3	196	07SEP87:02:00	2	348	4	45
29AUG87:22:00	1	219	4	191	07SEP87:06:00	1	343	5	39
30AUG87:02:00	0	.	.	.	07SEP87:10:00	1	281	4	168
30AUG87:06:00	1	298	4	331	07SEP87:14:00	2	146	6	180
30AUG87:10:00	3	320	5	326	07SEP87:18:00	2	151	4	180

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

1

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
07SEP87:22:00	3	191	6	180	16SEP87:06:00	.	.	.	.
08SEP87:02:00	4	185	7	180	16SEP87:10:00	.	.	.	.
08SEP87:06:00	3	202	7	180	16SEP87:14:00	.	.	.	.
08SEP87:10:00	1	315	3	253	16SEP87:18:00	.	.	.	.
08SEP87:14:00	1	331	4	219	16SEP87:22:00	.	.	.	.
08SEP87:18:00	1	33	2	320	17SEP87:02:00	.	.	.	.
08SEP87:22:00	0	.	.	.	17SEP87:06:00	.	.	.	.
09SEP87:02:00	2	33	3	39	17SEP87:10:00	.	.	.	.
09SEP87:06:00	2	337	3	337	17SEP87:14:00	.	.	.	.
09SEP87:10:00	2	320	4	326	17SEP87:18:00	.	.	.	.
09SEP87:14:00	3	337	5	315	17SEP87:22:00	.	.	.	.
09SEP87:18:00	2	320	4	315	18SEP87:02:00	.	.	.	.
09SEP87:22:00	1	337	3	348	18SEP87:06:00	.	.	.	.
10SEP87:02:00	1	331	3	315	18SEP87:10:00	.	.	.	.
10SEP87:06:00	2	315	5	320	18SEP87:16:30	2	354	4	321
10SEP87:10:00	2	320	3	315	18SEP87:20:30	1	73	4	34
10SEP87:14:00	2	320	4	326	19SEP87:00:30	1	28	4	39
10SEP87:18:00	2	331	4	303	19SEP87:04:30	1	51	4	51
10SEP87:22:00	1	309	.	.	19SEP87:08:30	2	17	4	343
11SEP87:02:00	1	309	3	292	19SEP87:12:30	2	343	5	343
11SEP87:06:00	0	.	3	298	19SEP87:16:30	3	343	6	0
11SEP87:10:00	1	331	.	.	19SEP87:20:30	2	11	4	0
11SEP87:14:00	2	320	4	315	20SEP87:00:30	1	247	2	214
11SEP87:18:00	1	303	4	326	20SEP87:04:30	0	.	2	304
11SEP87:22:00	0	.	.	.	20SEP87:08:30	0	.	.	.
12SEP87:02:00	0	.	.	.	20SEP87:12:30	0	.	.	.
12SEP87:06:00	1	146	3	146	20SEP87:16:30	1	112	3	68
12SEP87:10:00	1	61	3	50	20SEP87:20:30	2	84	4	73
12SEP87:14:00	2	78	4	67	21SEP87:00:30	2	84	3	90
12SEP87:18:00	1	16	3	337	21SEP87:04:30	1	90	.	.
12SEP87:22:00	0	.	3	320	21SEP87:08:30	2	202	4	157
13SEP87:02:00	2	315	5	298	21SEP87:12:30	0	.	.	.
13SEP87:06:00	2	320	4	331	21SEP87:16:30	1	84	3	62
13SEP87:10:00	2	326	4	326	21SEP87:20:30	2	146	7	169
13SEP87:14:00	2	331	4	326	22SEP87:00:30	1	124	5	135
13SEP87:18:00	2	315	5	0	22SEP87:04:30	0	.	2	0
13SEP87:22:00	2	309	5	281	22SEP87:08:30	1	17	4	68
14SEP87:02:00	1	309	3	326	22SEP87:12:30	1	354	3	202
14SEP87:06:00	1	331	3	337	22SEP87:16:30	2	51	4	23
14SEP87:10:00	1	337	3	337	22SEP87:20:30	2	62	4	62
14SEP87:14:00	2	315	3	354	23SEP87:00:30	2	39	4	45
14SEP87:18:00	1	298	3	230	23SEP87:04:30	3	39	5	23
14SEP87:22:00	1	208	2	253	23SEP87:08:30	4	34	6	23
15SEP87:02:00	1	78	3	78	23SEP87:12:30	2	51	5	90
15SEP87:06:00	1	56	.	.	23SEP87:16:30	1	349	4	39
15SEP87:10:00	0	.	3	348	23SEP87:20:30	3	62	5	34
15SEP87:14:00	2	0	4	11	24SEP87:00:30	1	34	3	56
15SEP87:18:00	.	.	.	.	24SEP87:04:30	1	39	3	62
15SEP87:22:00	.	.	.	.	24SEP87:08:30	1	332	2	326
16SEP87:02:00	.	.	.	.	24SEP87:12:30	1	315	3	281

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

1

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
24SEP87:16:30	2	337	3	321	03OCT87:00:30	2	141	4	186
24SEP87:20:30	2	354	4	0	03OCT87:04:30	2	73	4	96
25SEP87:00:30	1	90	4	90	03OCT87:08:30	1	62	2	90
25SEP87:04:30	0	.	.	.	03OCT87:12:30	2	62	3	84
25SEP87:08:30	0	.	.	.	03OCT87:16:30	1	45	3	68
25SEP87:12:30	0	.	.	.	03OCT87:20:30	2	73	4	84
25SEP87:16:30	2	45	3	84	04OCT87:00:30	1	51	2	68
25SEP87:20:30	2	56	4	62	04OCT87:04:30	1	343	2	343
26SEP87:00:30	1	332	.	.	04OCT87:08:30	2	17	3	6
26SEP87:04:30	2	349	4	0	04OCT87:12:30	2	332	4	321
26SEP87:08:30	2	337	4	349	04OCT87:16:30	2	326	4	332
26SEP87:12:30	2	349	4	0	04OCT87:20:30	2	354	5	326
26SEP87:16:30	2	332	4	343	05OCT87:00:30	1	6	3	0
26SEP87:20:30	1	202	3	180	05OCT87:04:30	2	304	3	276
27SEP87:00:30	1	68	3	73	05OCT87:08:30	2	315	3	298
27SEP87:04:30	0	.	2	332	05OCT87:12:30	1	62	3	309
27SEP87:08:30	1	337	.	.	05OCT87:16:30	2	180	4	191
27SEP87:12:30	1	337	2	337	05OCT87:20:30	2	191	4	186
27SEP87:16:30	1	354	2	337	06OCT87:00:30	1	118	3	180
27SEP87:20:30	1	343	2	337	06OCT87:04:30	1	107	3	197
28SEP87:00:30	0	.	.	.	06OCT87:08:30	0	.	.	.
28SEP87:04:30	1	51	2	51	06OCT87:12:30	0	.	.	.
28SEP87:08:30	1	28	.	.	06OCT87:16:30	1	68	3	84
28SEP87:12:30	0	.	.	.	06OCT87:20:30	2	135	4	186
28SEP87:16:30	1	39	2	51	07OCT87:00:30	0	.	2	101
28SEP87:20:30	1	56	2	141	07OCT87:04:30	2	51	4	23
29SEP87:00:30	0	.	.	.	07OCT87:08:30	1	45	3	73
29SEP87:04:30	0	.	2	90	07OCT87:12:30	2	6	3	68
29SEP87:08:30	1	56	3	84	07OCT87:16:30	2	298	3	315
29SEP87:12:30	0	.	.	.	07OCT87:20:30	1	349	3	45
29SEP87:16:30	1	39	3	56	08OCT87:00:30	1	264	4	23
29SEP87:20:30	2	152	4	56	08OCT87:04:30	1	332	4	62
30SEP87:00:30	1	79	3	73	08OCT87:08:30	1	287	4	287
30SEP87:04:30	1	107	4	191	08OCT87:12:30	2	281	3	276
30SEP87:08:30	1	68	3	112	08OCT87:16:30	1	292	3	309
30SEP87:12:30	2	51	4	124	08OCT87:20:30	2	281	4	321
30SEP87:16:30	1	6	4	56	09OCT87:00:30	2	304	3	326
30SEP87:20:30	1	62	3	112	09OCT87:04:30	2	298	4	309
01OCT87:00:30	0	.	.	.	09OCT87:08:30	2	304	4	321
01OCT87:04:30	1	321	3	292	09OCT87:12:30	2	298	3	304
01OCT87:08:30	1	337	3	11	09OCT87:16:30	2	287	4	337
01OCT87:12:30	2	326	4	349	09OCT87:20:30	2	287	4	292
01OCT87:16:30	2	337	4	343	10OCT87:00:30	2	315	4	337
01OCT87:20:30	2	11	3	321	10OCT87:04:30	2	354	4	349
02OCT87:00:30	0	.	.	.	10OCT87:08:30	1	11	2	62
02OCT87:04:30	2	62	3	28	10OCT87:12:30	0	.	.	.
02OCT87:08:30	2	354	4	332	10OCT87:16:30	1	337	2	180
02OCT87:12:30	2	321	4	304	10OCT87:20:30	1	186	3	180
02OCT87:16:30	2	321	4	332	11OCT87:00:30	0	.	2	84
02OCT87:20:30	3	186	5	186	11OCT87:04:30	0	.	.	.

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

2

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
11OCT87:08:30	0	.	.	.	19OCT87:16:30	2	332	4	332
11OCT87:12:30	0	.	3	68	19OCT87:20:30	2	332	4	349
11OCT87:16:30	2	17	4	17	20OCT87:00:30	1	202	4	180
11OCT87:20:30	1	332	3	326	20OCT87:04:30	2	174	4	191
12OCT87:00:30	1	321	3	343	20OCT87:08:30	2	163	4	180
12OCT87:04:30	1	28	3	34	20OCT87:12:30	1	90	4	62
12OCT87:08:30	1	34	3	62	20OCT87:16:30	2	51	3	51
12OCT87:12:30	2	0	4	34	20OCT87:20:30	2	0	4	326
12OCT87:16:30	1	343	3	11	21OCT87:00:30	2	315	3	337
12OCT87:20:30	2	309	4	292	21OCT87:04:30	2	326	4	0
13OCT87:00:30	2	309	4	332	21OCT87:08:30	2	337	4	0
13OCT87:04:30	2	321	4	0	21OCT87:12:30	2	326	4	0
13OCT87:08:30	2	309	4	321	21OCT87:16:30	2	349	4	6
13OCT87:12:30	2	321	4	0	21OCT87:20:30	3	51	6	23
13OCT87:16:30	1	56	.	.	22OCT87:00:30	3	51	5	34
13OCT87:20:30	1	259	.	.	22OCT87:04:30	2	56	4	62
14OCT87:00:30	1	349	3	90	22OCT87:08:30	3	51	6	17
14OCT87:04:30	2	90	5	68	22OCT87:12:30	2	287	4	45
14OCT87:08:30	3	90	5	96	22OCT87:16:30	3	186	6	186
14OCT87:12:30	1	326	4	304	22OCT87:20:30	2	197	4	180
14OCT87:16:30	2	292	4	326	23OCT87:00:30	1	45	3	51
14OCT87:20:30	2	304	4	287	23OCT87:04:30	2	68	5	107
15OCT87:00:30	1	332	4	337	23OCT87:08:30	1	304	4	45
15OCT87:04:30	0	.	3	304	23OCT87:12:30	3	45	5	28
15OCT87:08:30	1	219	3	186	23OCT87:16:30	4	191	9	186
15OCT87:12:30	2	186	4	174	23OCT87:20:30	2	101	4	68
15OCT87:16:30	3	186	6	197	24OCT87:00:30	2	68	3	129
15OCT87:20:30	4	191	6	197	24OCT87:04:30	2	56	4	28
16OCT87:00:30	2	157	4	174	24OCT87:08:30	2	56	3	62
16OCT87:04:30	2	180	3	169	24OCT87:12:30	2	51	3	62
16OCT87:08:30	0	.	3	157	24OCT87:16:30	1	62	3	62
16OCT87:12:30	1	112	2	101	24OCT87:20:30	3	174	5	191
16OCT87:16:30	2	68	4	23	25OCT87:00:30	3	163	5	186
16OCT87:20:30	2	349	4	79	25OCT87:04:30	3	174	5	202
17OCT87:00:30	1	337	3	28	25OCT87:08:30	4	174	7	157
17OCT87:04:30	2	343	4	28	25OCT87:12:30	4	169	7	157
17OCT87:08:30	3	332	4	332	25OCT87:16:30	4	174	8	186
17OCT87:12:30	2	304	4	298	25OCT87:20:30	4	180	8	197
17OCT87:16:30	2	315	4	326	26OCT87:00:30	1	124	3	112
17OCT87:20:30	1	197	2	202	26OCT87:04:30	2	51	4	68
18OCT87:00:30	0	.	.	.	26OCT87:08:30	3	349	5	321
18OCT87:04:30	1	343	3	349	26OCT87:12:30	3	321	5	309
18OCT87:08:30	2	349	4	332	26OCT87:16:30	4	321	6	343
18OCT87:12:30	2	326	4	309	26OCT87:20:30	2	326	5	332
18OCT87:16:30	3	332	5	321	27OCT87:00:30	1	287	.	.
18OCT87:20:30	2	315	4	287	27OCT87:04:30	0	.	.	.
19OCT87:00:30	2	326	4	315	27OCT87:08:30	1	309	.	.
19OCT87:04:30	2	332	4	343	27OCT87:12:30	1	354	2	0
19OCT87:08:30	3	332	5	309	27OCT87:16:30	2	354	4	0
19OCT87:12:30	2	332	4	6	27OCT87:20:30	1	326	4	292

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

2

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
28OCT87:00:30	0	.	3	332	05NOV87:08:30	3	337	4	343
28OCT87:04:30	2	332	5	332	05NOV87:12:30	2	332	4	332
28OCT87:08:30	1	304	4	315	05NOV87:16:30	2	321	4	321
28OCT87:12:30	0	.	2	321	05NOV87:20:30	3	326	6	326
28OCT87:16:30	0	.	2	292	06NOV87:00:30	2	337	4	304
28OCT87:20:30	2	309	4	292	06NOV87:04:30	1	169	2	180
29OCT87:00:30	2	298	4	304	06NOV87:08:30	2	112	3	96
29OCT87:04:30	2	321	4	332	06NOV87:12:30	1	73	.	.
29OCT87:08:30	2	332	3	56	06NOV87:16:30	1	146	3	180
29OCT87:12:30	1	321	3	332	06NOV87:20:30	2	101	4	174
29OCT87:16:30	2	326	3	321	07NOV87:00:30	1	124	.	.
29OCT87:20:30	2	326	4	343	07NOV87:04:30	2	107	3	73
30OCT87:00:30	1	304	3	321	07NOV87:08:30	2	79	3	96
30OCT87:04:30	2	315	4	298	07NOV87:12:30	2	34	3	79
30OCT87:08:30	2	321	3	309	07NOV87:16:30	2	326	4	315
30OCT87:12:30	1	321	3	343	07NOV87:20:30	2	332	4	349
30OCT87:16:30	1	337	3	11	08NOV87:00:30	2	321	4	332
30OCT87:20:30	1	337	3	349	08NOV87:04:30	3	315	4	321
31OCT87:00:30	2	349	3	0	08NOV87:08:30	2	326	3	321
31OCT87:04:30	2	332	4	332	08NOV87:12:30	1	321	3	332
31OCT87:08:30	2	349	3	343	08NOV87:16:30	2	343	3	0
31OCT87:12:30	2	321	4	304	08NOV87:20:30	1	6	3	11
31OCT87:16:30	2	326	4	309	09NOV87:00:30	1	28	.	.
31OCT87:20:30	1	354	3	343	09NOV87:04:30	2	0	4	0
01NOV87:00:30	3	349	5	0	09NOV87:08:30	3	343	4	349
01NOV87:04:30	3	321	5	309	09NOV87:12:30	3	332	4	337
01NOV87:08:30	4	321	7	337	09NOV87:16:30	4	326	5	337
01NOV87:12:30	3	321	6	354	09NOV87:20:30	3	326	4	309
01NOV87:16:30	3	309	5	332	10NOV87:00:30	3	326	4	309
01NOV87:20:30	1	349	5	309	10NOV87:04:30	3	326	5	0
02NOV87:00:30	1	304	.	.	10NOV87:08:30	3	321	6	321
02NOV87:04:30	1	202	2	157	10NOV87:12:30	3	332	5	337
02NOV87:08:30	1	141	.	.	10NOV87:16:30	2	332	4	349
02NOV87:12:30	2	90	3	62	10NOV87:20:30	2	354	4	11
02NOV87:16:30	3	79	4	73	11NOV87:00:30	2	343	4	337
02NOV87:20:30	1	45	3	73	11NOV87:04:30	2	354	3	337
03NOV87:00:30	1	332	.	.	11NOV87:08:30	2	337	4	321
03NOV87:04:30	1	315	.	.	11NOV87:12:30	3	349	4	321
03NOV87:08:30	1	332	2	0	11NOV87:16:30	3	343	4	343
03NOV87:12:30	1	326	3	332	11NOV87:20:30	2	332	4	309
03NOV87:16:30	2	315	3	298	12NOV87:00:30	2	343	4	332
03NOV87:20:30	2	326	4	321	12NOV87:04:30	3	343	4	349
04NOV87:00:30	2	326	4	321	12NOV87:08:30	2	332	4	0
04NOV87:04:30	3	343	5	332	12NOV87:12:30	0	.	.	.
04NOV87:08:30	2	326	5	332	12NOV87:16:30	0	.	.	.
04NOV87:12:30	3	332	4	326	12NOV87:20:30	1	332	3	332
04NOV87:16:30	3	343	5	0	13NOV87:00:30	2	309	3	321
04NOV87:20:30	3	337	4	349	13NOV87:04:30	2	309	3	315
05NOV87:00:30	2	315	5	332	13NOV87:08:30	2	315	3	332
05NOV87:04:30	2	337	4	337	13NOV87:12:30	2	321	3	337

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

2

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
13NOV87:16:30	2	321	5	337	22NOV87:00:30	2	337	4	343
13NOV87:20:30	1	315	3	321	22NOV87:04:30	1	326	3	332
14NOV87:00:30	2	315	3	315	22NOV87:08:30	0	.	.	.
14NOV87:04:30	1	321	3	337	22NOV87:12:30	1	73	2	73
14NOV87:08:30	0	.	.	.	22NOV87:16:30	2	84	4	84
14NOV87:12:30	0	.	.	.	22NOV87:20:30	2	90	3	73
14NOV87:16:30	0	.	.	.	23NOV87:00:30	1	68	2	79
14NOV87:20:30	0	.	.	.	23NOV87:04:30	1	62	2	79
15NOV87:00:30	1	0	.	.	23NOV87:08:30	1	17	2	28
15NOV87:04:30	1	354	3	0	23NOV87:12:30	1	337	4	321
15NOV87:08:30	1	337	.	.	23NOV87:16:30	1	337	4	332
15NOV87:12:30	2	354	3	0	23NOV87:20:30	0	.	.	.
15NOV87:16:30	2	343	4	326	24NOV87:00:30	0	.	.	.
15NOV87:20:30	2	332	3	337	24NOV87:04:30	1	68	2	68
16NOV87:00:30	2	321	3	349	24NOV87:08:30	2	79	3	62
16NOV87:04:30	2	315	4	321	24NOV87:12:30	2	79	4	56
16NOV87:08:30	2	315	4	321	24NOV87:16:30	2	84	3	51
16NOV87:12:30	2	315	4	332	24NOV87:20:30	2	68	3	96
16NOV87:16:30	1	309	4	332	25NOV87:00:30	2	321	4	321
16NOV87:20:30	2	298	3	309	25NOV87:04:30	3	321	4	315
17NOV87:00:30	2	337	4	349	25NOV87:08:30	3	321	5	321
17NOV87:04:30	2	309	4	292	25NOV87:12:30	3	315	5	337
17NOV87:08:30	2	321	4	343	25NOV87:16:30	3	321	5	321
17NOV87:12:30	3	332	4	309	25NOV87:20:30	3	309	5	315
17NOV87:16:30	3	349	4	332	26NOV87:00:30	2	309	4	321
17NOV87:20:30	3	332	5	349	26NOV87:04:30	2	321	4	332
18NOV87:00:30	3	332	4	326	26NOV87:08:30	1	309	3	326
18NOV87:04:30	3	332	4	321	26NOV87:12:30	0	.	.	.
18NOV87:08:30	1	118	3	90	26NOV87:16:30	0	.	.	.
18NOV87:12:30	1	73	2	68	26NOV87:20:30	1	112	4	191
18NOV87:16:30	1	34	3	73	27NOV87:00:30	3	186	4	180
18NOV87:20:30	1	321	.	.	27NOV87:04:30	2	129	3	186
19NOV87:00:30	2	332	4	343	27NOV87:08:30	1	68	.	.
19NOV87:04:30	2	332	4	343	27NOV87:12:30	2	349	3	321
19NOV87:08:30	3	321	4	309	27NOV87:16:30	2	326	3	309
19NOV87:12:30	3	326	5	332	27NOV87:20:30	2	326	4	321
19NOV87:16:30	3	309	5	315	28NOV87:00:30	3	332	5	321
19NOV87:20:30	1	298	3	309	28NOV87:04:30	3	326	4	321
20NOV87:00:30	1	124	3	56	28NOV87:08:30	3	315	4	321
20NOV87:04:30	1	34	.	.	28NOV87:12:30	2	298	4	337
20NOV87:08:30	2	315	5	332	28NOV87:16:30	2	191	4	186
20NOV87:12:30	2	321	4	332	28NOV87:20:30	3	180	5	174
20NOV87:16:30	2	326	4	349	29NOV87:00:30	3	197	4	214
20NOV87:20:30	2	343	4	332	29NOV87:04:30	1	152	3	208
21NOV87:00:30	2	337	4	337	29NOV87:08:30	1	129	3	84
21NOV87:04:30	2	343	4	0	29NOV87:12:30	1	141	.	.
21NOV87:08:30	3	337	4	0	29NOV87:16:30	1	56	2	39
21NOV87:12:30	3	337	5	315	29NOV87:20:30	1	0	2	315
21NOV87:16:30	2	337	4	315	30NOV87:00:30	1	321	4	337
21NOV87:20:30	2	343	4	332	30NOV87:04:30	2	326	3	304

DNR-DIV. GEOLOGICAL AND GEOPHYSICAL SURVEYS

2

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
30NOV87:08:30	1	281	.	.	08DEC87:16:30	2	332	4	343
30NOV87:12:30	0	.	2	101	08DEC87:20:30	2	354	3	0
30NOV87:16:30	2	73	3	96	09DEC87:00:30	2	349	4	343
30NOV87:20:30	1	79	3	45	09DEC87:04:30	2	349	4	0
01DEC87:00:30	1	17	2	45	09DEC87:08:30	2	349	3	0
01DEC87:04:30	2	315	4	315	09DEC87:12:30	2	337	3	321
01DEC87:08:30	2	309	3	315	09DEC87:16:30	3	337	5	0
01DEC87:12:30	2	315	4	321	09DEC87:20:30	3	337	4	0
01DEC87:16:30	1	315	3	309	10DEC87:00:30	1	337	3	349
01DEC87:20:30	1	315	2	315	10DEC87:04:30	0	.	.	.
02DEC87:00:30	1	326	3	309	10DEC87:08:30	1	62	.	.
02DEC87:04:30	1	309	.	.	10DEC87:12:30	1	45	.	.
02DEC87:08:30	0	.	.	.	10DEC87:16:30	1	343	2	0
02DEC87:12:30	0	.	.	.	10DEC87:20:30	2	343	3	337
02DEC87:16:30	1	337	.	.	11DEC87:00:30	1	315	2	349
02DEC87:20:30	1	337	2	349	11DEC87:04:30	0	.	.	.
03DEC87:00:30	1	326	2	326	11DEC87:08:30	0	.	.	.
03DEC87:04:30	0	.	.	.	11DEC87:12:30	0	.	.	.
03DEC87:08:30	0	.	.	.	11DEC87:16:30	1	326	3	315
03DEC87:12:30	2	68	3	79	11DEC87:20:30	2	315	4	326
03DEC87:16:30	2	343	3	0	12DEC87:00:30	2	321	4	298
03DEC87:20:30	2	332	3	321	12DEC87:04:30	1	197	2	135
04DEC87:00:30	1	11	3	326	12DEC87:08:30	2	118	4	84
04DEC87:04:30	1	354	.	.	12DEC87:12:30	2	51	3	73
04DEC87:08:30	1	349	3	45	12DEC87:16:30	2	332	3	0
04DEC87:12:30	0	.	.	.	13DEC87:12:30	.	.	.	.
04DEC87:16:30	0	.	.	.	14DEC87:12:30	.	.	.	.
04DEC87:20:30	1	332	2	349	15DEC87:12:30	.	.	.	.
05DEC87:00:30	1	321	3	326	16DEC87:12:30	.	.	.	.
05DEC87:04:30	2	337	4	332	17DEC87:12:30	.	.	.	.
05DEC87:08:30	1	326	3	337	18DEC87:12:30	.	.	.	.
05DEC87:12:30	2	326	4	309	19DEC87:12:30	.	.	.	.
05DEC87:16:30	3	332	4	326	20DEC87:12:30	.	.	.	.
05DEC87:20:30	3	321	5	0	21DEC87:12:30	.	.	.	.
06DEC87:00:30	3	321	4	337	22DEC87:12:30	.	.	.	.
06DEC87:04:30	2	326	4	321	23DEC87:12:30	.	.	.	.
06DEC87:08:30	0	.	.	.	24DEC87:12:30	.	.	.	.
06DEC87:12:30	1	354	3	343	25DEC87:12:30	.	.	.	.
06DEC87:16:30	2	326	4	326	26DEC87:12:30	.	.	.	.
06DEC87:20:30	3	332	4	315	27DEC87:12:30	.	.	.	.
07DEC87:00:30	3	332	4	304	28DEC87:12:30	.	.	.	.
07DEC87:04:30	3	337	4	337	29DEC87:12:30	.	.	.	.
07DEC87:08:30	3	332	5	332	30DEC87:12:30	.	.	.	.
07DEC87:12:30	3	337	5	315	31DEC87:12:30	.	.	.	.
07DEC87:16:30	3	337	5	349					
07DEC87:20:30	3	337	4	315					
08DEC87:00:30	2	349	4	349					
08DEC87:04:30	2	343	4	343					
08DEC87:08:30	2	332	4	343					
08DEC87:12:30	2	326	4	343					