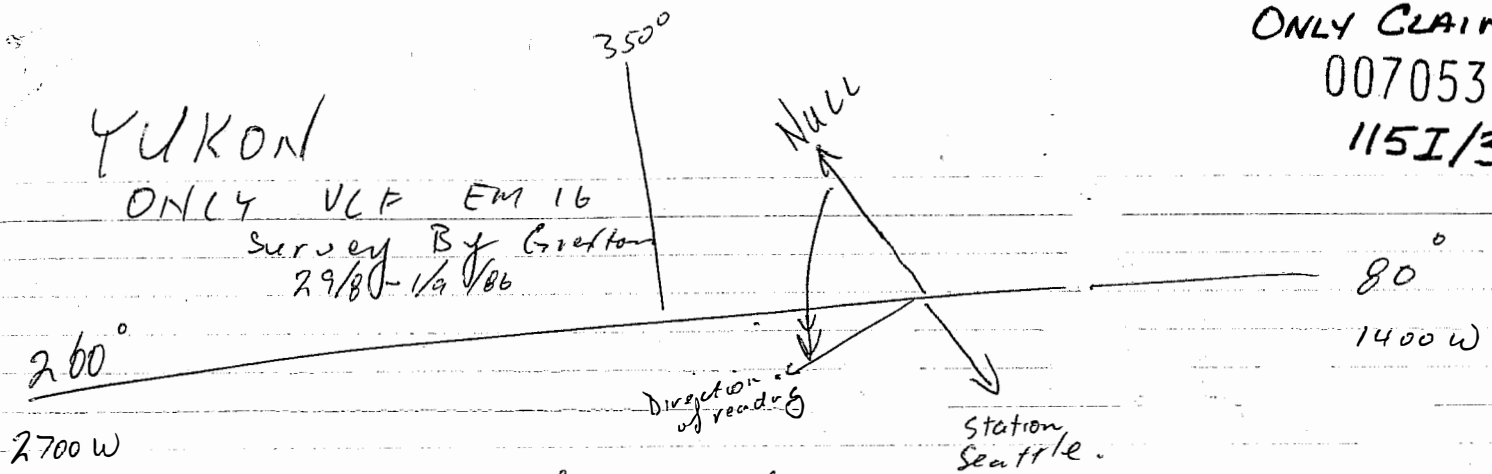


YUKON

ONLY VLF EM 16

Survey By Gretton  
29/80 - 1/9/86

- So the effect of this method of data collection is to run line from east to west.
- Data is collected from west to east by convention. ie null when facing station then turn 90° to left & take reading
- GP program stores data in west to east order.
- Profiles by convention are plotted facing North.
- Convention is to Fraser filter from west to east on lines where data is collected going from west to east.
- This data was collected going from east to west NOT west to east.
- There fore to reverse all In Phase signs to convert data to convention before Fraser Filtering.
- Enter data from west to east.
- Stations not regular intervals. Use only 25 m stat in GP program. → calculate 12.5 m. later.

*[Signature]*  
2/10/86.

- Base line Null in dir of station then it turn so data ok as presented in Notes for Fraser Filtering

# EM SURVEY DATA (1986)

## ONLY M.C.

Station	In Phase	Quad.	Station	In Phase	Quad.
L39N/14+00W	53 -6	+2	L39N/24+50W	-10	-8
1425W	-2	+1	2475W	10 +2	-7
1450W	-5	-3	25W	+12	-6
1475W	50 -3	+1	2525W	+13	-8
15W	-7	+2	2550W	+16	-13
1525W	-14	+2	2575W	+16	-14
1550W	-14	+1	26W	+12	-15
1575W	-10	+3	2625W	4 +9	-12
16W	-6	+1	<del>2637.5W</del>	<del>-5</del>	<del>-15</del>
1625W	-6	+2	2650W	3 -4	-12
1650W	-8	+3	<del>2662.5W</del>	<del>-4</del>	<del>-10</del>
1675W	-7	+3	2675W	2 -3	-4
17W	-8	+7	<del>2687.5W</del>	<del>-2</del>	<del>0</del>
1725W	40 -14	+7	27W	1 -2	+4
1750W	-8	+7			
1775W	-9	+8	L40N/14+00W	-8	+3
18W	-8	+5	1425W	-6	-2
1825W	36 -7	+6	1450W	-5	-2
1850W	-3	+7	1475W	50 -5	+2
1875W	-3	+6	15W	-13	+2
19W	-4	+4	1525W	-12	+2
1925W	-1	+4	1550W	-10	+4
1950W	+3	+4	1575W	-8	+2
1975W	30 +3	+5	16W	-6	+4
20W	+3	+5	1625W	-8	+3
2025W	-2	+4	1650W	-7	+3
2050W	27 -3	+5	1675W	-7	+2
2075W	-5	+4	17W	-6	+4
21W	-5	+2	1725W	40 -8	+4
2125W	-7	-2	1750W	-6	+2
2150W	-6	+3	1775W	-2	+3
2175W	-4	+6	18W	-1	+5
22W	-15	+2	1825W	+1	+5
2225W	20 -12	+5	1850W	+5	+5
2250W	-22	+5	1875W	+4	+5
2275W	-41	+1	19W	+6	+4
23W	-42	0	1925W	+5	+4
2325W	-35	-2	1950W	+8	+6
2350W	-37	-6	1975W	30 +8	+5
2375W	-27	-1	20W	+5	+5
24W	-13	+1	2025W	+5	+7
2425W	-13	-6	2050W	27 -2	+5

# EM SURVEY DATA (1986)

ONLY M.C.

Station	In Phase	Quad.	Station	In Phase	Quad.		
L40N/20+75W	26	-2	+3	L41N/17+25W	-5	+4	
21W	-4	+2	1750W	-4	+3		
2125W	-8	-0	1775W	-4	+2		
2150W	-10	-1	<del>1787.5W</del>	<del>-1</del>	<del>+4</del>		
2175W	-10	+1	18W	+1	+5		
22W	-17	-2	<del>1812.5W</del>	<del>+4</del>	<del>+5</del>		
2225W	20	-20	-2	1825W	+5	+8	
2250W	-19	-1	1850W	+6	+5		
2275W	-24	+2	1875W	+4	+6		
23W	-41	-2	19W	+5	+5		
2325W	-50	-1	1925W	+5	+5		
2350W	-50	-4	1950W	30	+7	+4	
2375W	-44	-3	1975W	+7	+4		
24W	-30	+2	20W	+9	+4		
2425W	-22	+2	2025W	+3	+1		
2450W	-19	-9	2050W	+1	+3		
2475W	10	-12	-7	2075W	-1	-1	
<del>2487.5W</del>	<del>-5</del>	<del>-6</del>	21W	-1	0		
25W	-2	-6	2125W	3	+3	+7	
2525W	+9	-9	2150W	-14	-1		
2550W	+14	-10	2175W	-14	-5		
2575W	+18	-14	22W	20	-16	-2	
26W	+17	-15	2225W	-14	-2		
2625W	+8	-13	2250W	-14	-6		
2650W	3	+2	-11	2275W	-12	-2	
<del>2662.5</del>	<del>-4</del>	<del>-10</del>	23W	-13	-3		
2675W	2	-4	-9	2325W	-24	+3	
27W	1	-3	-4	2350W	-50	-4	
				2375W	-58	-3	
L41N/14+00W	52	-7	+1	24W	-47	0	
1425W	-8	-1	2425W	-28	+6		
1450W	50	-7	+1	2450W	10	-32	-4
1475W	-8	+2	2475W	-25	-2		
15W	-12	0	25W	-18	-2		
1525W	-9	+1	2525W	-2	-1		
1550W	-8	+1	2550W	+7	-3		
1575W	-9	+1	2575W	+4	-8		
16W	-6	+4	26W	+1	-11		
1625W	-7	+4	2625W	3	+1	-11	
1650W	-7	+4	<del>2637.5W</del>	<del>+2</del>	<del>-10</del>		
1675W	-6	+4	2650W	2	0	-10	
17W	40	-4	+3	<del>2662.5W</del>	<del>-1</del>	<del>-6</del>	
				2675W	1	-4	-8

# EM SURVEY DATA (1986)

ONLY M.C.

Station	In Phase	Quad.	Station	In Phase	Quad.	FF
L42N/13+87.5W	-4	-2	L42N/23W	-19	-7	25 26
14W	-2	-1	2325W	-20	-4	23 24
1425W	-11	0	2350W	-24	+5	21 22
1450W	-11	0	2375W	-37	+1	19 20
1475W	-8	+1	24W	-50	0	17 18
15W	-7	+4	2425W	-36	+2	15 16
1525W	-8	+3	2450W	-30	+2	13 14
1550W	-8	0	2475W	-24	+2	11 12
1575W	-9	0	25W	-22	+2	9 10
16W	-10	+4	2525W	-10	-1	7 8
1625W	-11	+1	2550W	-6	-3	5 6
1650W	-14	+5	2575W	-8	-4	3 4
1675W	-19	+8	26W	-9	-7	1 2
17W	-22	+16				
1725W	-25	+15	L42N/14W	* * 49	-4	-2 97 96
1750W	-17	+13	1425W	↓	-7	0 95 94
1775W	-9	+5	1450W		-10	+3 93 92
18W	+1	+3	1475W		-8	+4 91 90
1812.5W	+2	+6	15W		-8	+4 89 88
1825W	+14	+6	1525W		-8	+3 87 86
1850W	+13	+5	1550W	-7 → +7	+2	85 84
1875W	+12	+5	1575W		-6	+2 83 82
19W	+13	+6	16W		-4	+2 81 80
1925W	+15	+4	1612.5W		-4	+2 80
1950W	+12	+6	1625W	40	-5	+1 79 78
1975W	+14	+4	1650W		-6	+2 77
20W	25 +4	+2 49	1662.5W		-6	+2 76
2012.5W	+1	+1 48	1675W		-8	+3 75 74
2025W	0	+2 47	17W		-6	+5 73 72
2037.5W	+1	+1 46	1725W		-7	+13 71 70
2050W	-4	-7 45	1750W		-3	+3 69 68
2075W	+2	+1 43	1775W		-2	+3 67
2087.5W	0	0 42	1787.5W		-2	+3 66
21W	+4	+2 41	18W		+3	+2 65 64
2112.5W	+2	+2 40	1825W		+8	+4 63 62
2125W	20 -3	-2 39 38	1850W		+9	+2 61 60
2150W	-15	-9 37 36	1875W	30	+7	+3 59 58
2175W	-21	-8 35 34	19W		+7	+5 57 56
22W	-17	-4 33 32	1925W		+7	+3 55 54
2225W	-14	-2 31 30	1950W		+8	+5 53 52
2250W	-17	-2 29 28	1975W	26	+9	+5 51 50
2275W	-21	-8 27 26				

\* Line 42 Redone because of weak signal - difficult to null 14W to 1975W; \*\* Indicates results which are plotted 3/9

# EM SURVEY DATA (1986)

## ONLY M.C.

Station	In Phase	Quad.		Station	In Phase	Quad.
L43N / 14 W	50 -8	+1		L43N / 22+75 W	-7	-1
1425 W	-9 <sub>-1</sub>	0		23 W	-11	-4
1450 W	-6 <sub>0</sub>	+4	X	2325 W	-24	-8
1475 W	-10 <sub>1</sub>	+4		2350 W	-18	-3
15 W	-11 <sub>1</sub>	+1	↓	2375 W	10 -18	-2
1525 W	-6 <sub>0</sub>	+1		24 W	-15	+4
1550 W	-9 <sub>2</sub>	0	-1	2425 W	-24	+6
1575 W	-8 <sub>-3</sub>	-1	3	2450 W	-41	0
1587.5 W	-8 <sub>-4</sub>	0	4	2475 W	-38	+7
16 W	-6 <sub>0</sub>	+2	0	25 W	-30	+4
1625 W	-6 <sub>0</sub>	+6	8	2525 W	-7	+3
1650 W	40 -8 <sub>-8</sub>	+8		2550 W	-8	+3
1675 W	-4 <sub>-6</sub>	+8		2575 W	-8	+2
17 +6 W	-2 <sub>1</sub>	+5		26 W	1 -13	+2
1725 W	7 + -4 <sub>0</sub>	+8				
1750 W	+ -3 <sub>-6</sub>	+4	+6	L44N / 14 W	50 -4 -	-
1775 W	+ -3 <sub>-12</sub>	+5	-1	1425 W	-5	+1
1787.5 W	- +2 <sub>-12</sub>	+4	+12	1450 W	-4	+1
18 W	- +5 <sub>-5</sub>	+5	+5	1475 W	-5	+2
1812.5 W	- +6 <sub>-3</sub>	+4	+3	15 W	-6	+1
1825 W	- +6 <sub>-9</sub>	+5	+9	1525 W	-6	-1
1850 W	- +8 <sub>-10</sub>	+5		1550 W	-7	0
1875 W	- +13 <sub>3</sub>	+6		1575 W	-3	+1
19 W	30 - +11 <sub>8</sub>	+6		16 W	0	+4
1925 W	- +7 <sub>0</sub>	+4		1625 W	+1	+7
1950 W	- +9 <sub>1</sub>	+5		1650 W	40 -3	+7
1975 W	- +9 <sub>8</sub>	+7		1675 W	-6	+5
20 W	- +6 <sub>10</sub>	+5	-10	17 W	-6	+8
2025 W	- +4 <sub>10</sub>	+3	-10	1725 W	-2	+4
2037.5 W	- +1 <sub>7</sub>	+2	+3	1737.5 W	-3	+5
2050 W	- -1 <sub>+2</sub>	+4	+2	1750 W	+1	+4
2067.5 W	- -1 <sub>-1</sub>	+2	+1	1775 W	+2	+4
2075 W	- -1 <sub>-5</sub>	-3	+5	18 W	+7	+6
2087.5 W	0 <sub>-4</sub>	-3	+4	1812.5 W	+5	+2
21 W	+3 <sub>16</sub>	+2	+10	1825 W	+13	+2
2112.5 W	0 <sub>44</sub>	+4	+38	1850 W	+14	+13
2125 W	20 -13 <sub>46</sub>	-4	+72	1875 W	+15	+14
2150 W	+ -28 <sub>44</sub>	-9	+96	19 W	30 +12	+12
2175 W	+ -3 <sub>17</sub>	-12	↓	1925 W	+11	+14
22 W	+ -24 <sub>1</sub>	-3	X	1950 W	+8	+13
2225 W	-19 <sub>1</sub>	-5		1975 W	+6	+10
2250 W	-7 <sub>1</sub>	-1		20 W	26 +4	+5

# EM SURVEY DATA (1986)

ONLY M.C.

Station	In Phase	Quad.	Station	In Phase	Quad.
<del>L44N/20712.5W</del>	<del>-4</del>	<del>+1</del>	L45N/17W	-7	+3
2025W	-8	-3	1725W	-6	+4
2050W	-4	-2	1750W	-2	+5
2075W	-9	-4	<del>1762.5W</del>	<del>+4</del>	<del>+5</del>
<del>2087.5W</del>	<del>-6</del>	<del>-4</del>	1775W	+5	+5
21W	-7	+4	18W	+9	+4
<del>2112.5W</del>	<del>-12</del>	<del>+2</del>	1825W	+12	+2
2125W	-34	-9	1850W	+15	+4
2150W 20	-31	-11	1875W 30	+18	+4
2175W	-28	-9	19W	+18	+5
22W	-24	-9	1925W	+11	+4
2225W	-20	-10	1950W	+8	+6
2250W	-14	-4	1975W	+3	+2
2275W	-17	-6	<del>1987.5W</del>	<del>+1</del>	<del>-2</del>
23W	-14	-6	20W	-1	-1
2325W	-17	-6	<del>2012.5W</del>	<del>-2</del>	<del>+2</del>
2350W	-18	-8	2025W	-4	+2
2375W	-23	-12	<del>2037.5W</del>	<del>-5</del>	<del>-1</del>
24W 10	-18	-3	2050W	-10	-5
2412.5W	-19	-4	2075W	-18	-4
2425W	-19	+2	21W	-34	-8
2450W	-13	+6	2125W 20	-36	-8
2475W 6 0	-20	+4	2150W	-38	-11
<del>2485.5W</del>	<del>-18</del>	<del>+5</del>	2175W	-37	-11
25W	-20	0	22W	-27	-5
2525W -1 2no definate null			2225W	-27	-8
2550W	-5	0	2250W	-25	-12
2575W	-15	+2	2275W	-15	-10
26W 1	-15	+2	23W	-12	-8
			2325W	-16	-9
L45N/14W 49	-8	0	2350W	-23	-10
1425W	-8	+1	2375W 10	-20	-9
1450W	-8	0	24W	-17	-2
1475W	-8	-1	<del>2412.5W</del>	<del>-15</del>	<del>-3</del>
15W	-7	+1	2425W	-20	-5
1525W	-3	+2	2450W	-22	-7
1550W	-2	+3	2475W	-17	-5
1575W	0	+5	25W	-23	-7
16W	+2	+5	2525W	-20	-4
1625W 40	-1	+7	2550W	-27	-8
1650W	-4	+6	2575W	-28	-4
1675W	-8	+4	<del>26W</del>	<del>-25</del>	<del>-4</del>
			26W 1	-25	-4

# EM SURVEY DATA (1986)

## ONLY M.C.

Station	In Phase	Quad.	Station	In Phase	Quad.
L 46N/14W	35 -6	0	L 46N/24+25W	-25	-12
1425W	-4	0	2450W	-16	-12
1450W	-3	0	2475W	-25	-12
1475W	-3	+1	25W	-7.5	-10
15W	+1	+3	2525W	10 -18	-7
1525W	50 +3	+6	2550W	-22	-2
1550W	+1	+7	2575W	-23	-4
1575W	+1	+10	26W	-20	+3
16W	-6	+8	2625W	-18	+5
1625W	-6	+9	2650W	-12	+2
1650W	-7	+6	2675W	-6	+4
1675W	-9	+4	27W	-4	+3
17W	-9	+6	2725W	-4	+3
1725W	-3	+6	2750W	1 -5	+4
<del>1737.5W</del>	<del>1</del>	<del>+4</del>			
1750W	+4	+6	L 47N /14W	49 -4	+1
1775W	40 +10	+7	1425W	-3	+4
18W	+11	+4	1450W	-1	+2
1825W	+11	+1	1475W	+1	+2
1850W	37 +16	+3	15W	+4	+4
1875W	+16	+2	1525W	+6	+7
19W	35 +10	+1	1550W	+3	+9
1925W	+10	+2	1575W	+3	+9
1950W	+9	0	16W	+2	+8
1975W	+2	-1	1625W	40 +2	+7
20W	-4	-6	1650W	-1	+7
2025W	30 -5	-9	1675W	-3	+8
2050W	-8	-6	17W	-6	+4
2075W	-21	-4	1725W	-1	+6
21W	-30	-9	1750W	+2	+9
2125W	-35	-5	1775W	+3	+8
2150W	-32	-4	18W	+10	+5
2175W	-31	-9	1825W	+11	+6
22W	-30	-11	1850W	+11	+4
2225W	-30	-11	1875W	30 +14	+6
2250W	-23	-4	19W	+10	+1
2275W	20 -23	-4	1912.5W	+10	-3
23W	-26	-8	1925W	+5	-2
2325W	-20	-2	1950W	+3	1
2350W	-14	-2	<del>1962.5</del>	<del>-1</del>	<del>-5</del>
2375W	-10	-3	20W	+4	-5
24W	-12	-4	2025W	0	-10

# EM SURVEY DATA (1986)

## ONLY M.C.

Station	In Phase	Quad.	Station	In Phase	Quad.
L47N/20+50W	-4	-8	L48N/18+50W	+15	+5
2075W	-7	-5	1875W 30	+7	+1
20W	-16	-2	19W	+7	+1
2125W 20	-30	-8	1925W	-4	-7
2150W	-30	-6	1950W	-6	-7
2175W	-28	-4	1975W	-5	-4
22W	-20	+2	20W	0	-6
2225W	-17	-3	2025W	-2	-8
2250W	-23	-10	2050W	-6	-12
2275W	-27	-9	2075W	-5	-7
23W	-26	-6	21W	-10	-9
2325W	-25	-5	2125W 20	-24	-12
2350W	-23	-2	2150W	-30	-5
2375W 10	-15	+3	2175W	-38	-8
24W	-20	-2	22W	-35	-5
2425W	-20	-1	2225W	-30	-4
2450W	-15	-3	2250W	-22	-2
2475W	-11	-6	2275W	-24	-2
25W	-9	-9	23W	-29	-5
2525W	-5	-7	2325W	-32	-6
2550W	-4	-1	2350W	-30	-1
2575W	-20	-1	2375W 10	-30	+2
26W	-20	+2	24W	-41	-3
L48N/14W 49	-7	-3	2425W	-35	0
1425W	-3	+2	2450W	-24	-1
1450W	+2	+3	2475W	-20	-2
1475W	+5	+1	25W	-12	0
15W	+3	+3	2525W	-7	-3
1525W	+5	+3	2550W	-8	-5
1550W	+7	+4	2575W	-8	-2
1575W	+7	+6	26W	-20	-1
16W	+4	+7	L49N/14W 53	+8	-1
1625W 40	+4	+6	1425W	+8	0
1650W	+4	+7	1450W	+12	-3
1675W	+4	+8	1475W 50	+13	-2
17W	+4	+8	15W	+16	-2
1725W	+3	+6	1525W	+8	+1
1750W	+4	+6	1550W	+6	+2
1775W	+7	+4	1575W	+6	+2
18W	+7	+4	16W 45	+7	+2
1825W	+10	+5	1625W 44	+13	+5

# EM SURVEY DATA (1986)

## ONLY M.C.

Station	In Phase	Quad.	Station	In Phase	Quad.
L49N/16+50 W	+13	+8	L49N/26+87 W	-20	+7
1675 W	+12	+3	27 W	1 -13	+8
17 W	+15	+7			
1725 W	40 +17	+11	L50N/18+75 W	34 +11	+3
1750 W	39 +15	+8	1887.5 W	+9	0
1775 W	38 +10	+8	19 W	+2	-1
18 W	37 +7	+2	1912.5 W	-3	-2
1825 W	36 +5	+2	1925 W	-3	-9
1850 W	35 +5	+3	1950 W	-3	-5
1875 W	34 +8	+5	1962.5 W	+2	-2
19 W	33 +3	-2	1975 W	30 +6	-1
1925 W	32 +10	-7	1987.5 W	+7	0
1950 W	31 +3	-2	20 W	+4	0
1975 W	30 -7	-9	2025 W	-3	-3
20 W	-11	-8	2050 W	-4	0
2025 W	-2	-6	2075 W	-17	-6
2050 W	+2	-2	21 W	-26	-8
2075 W	-15	-7	2125 W	-32	-12
21 W	-35	-10	2150 W	-34	-10
2125 W	-42	-21	2175 W	-32	-7
2150 W	-45	-26	22 W	-28	-12
2175 W	-24	-10	2225 W	20 -25	-8
22 W	-25	-12	2250 W	-26	-10
2225 W	20 -28	-8	2275 W	-28	-10
2250 W	-27	-4	23 W	-35	-10
2275 W	-30	-4	2325 W	-30	-4
23 W	-35	-4	2350 W	-26	-2
2325 W	-34	-3	2375 W	-27	0
2350 W	-38	-5	24 W	-28	-2
2375 W	-38	-2	2425 W	-37	-4
24 W	-38	-1	2450 W	-38	-6
2425 W	-32	+1	2475 W	10 -39	-4
2450 W	-35	-1	25 W	-40	-6
2475 W	10 -35	-2	2525 W	-36	-5
25 W	-30	-1	2550 W	-27	-8
2525 W	-18	+1	2575 W	-20	-3
2550 W	-15	0	26 W	-10	-4
2575 W	-15	-1	2625 W	-8	-1
26 W	-10	-3	2637.5 W	-8	-1
2625 W	-14	-2	2650 W	-8	+2
2650 W	-25	-1	2675 W	-14	+4
2675 W	-22	0	27 W	1 -12	+13

# EM SURVEY DATA (1986)

## ONLY M.C.

Station	In Phase	Quad.	Station	In Phase	Quad.
BL 20 W / 39 N	1	+14 -4	BL 20 W / 47+50 N	+10	+14
3925 N	+12	-3	4775 N	+14	+8
3950 N	+14	-2	48 N	+8	+5
<del>3962.5 N</del>	<del>+11</del>	<del>-2</del>	4825 N	+14	+4
3975 N	+12	+1	4850 N	+14	+10
40 N	+11	+1	4875 N	40 +26	+8
4025 N	+7	+2	49 N	+36	+14
4050 N	+9	+3	4925 N	+35	+14
4075 N	+6	+2	4950 N	+31	+12
41 N	+10	+2	4975 N	+30	+8
<del>4112.5 N</del>	<del>+6</del>	<del>+2</del>	50 N	45 +22	+4
4125 N	10 +9	+4			
4150 N	11 +16	+2			
4175 N	12 +13	+2			
42 N	13 +12	+1			
4225 N	14 +16	+4			
4250 N	15 +14	+2			
4247 N	16 +18	+4			
43 N	17 +12	+1			
4325 N	18 +18	+4			
4350 N	19 +18	+2			
<del>4362.5 N</del>	<del>+11</del>	<del>0</del>			
4375 N	20 +16	-1			
44 N	21 +20	-2			
4425 N	22 +20	-2			
4450 N	23 +17	-2			
4475 N	24 +16	-1			
45 N	25 +14	-2			
<del>4512.5 N</del>	<del>+12</del>	<del>+2</del>			
4525 N	26 +13	+4			
4550 N	27 +16	+5			
4575 N	28 +14	+4			
46 N	29 +14	+5			
<del>4612.5 N</del>	<del>+7</del>	<del>+2</del>			
4625 N	30 +4	+4			
<del>4637.5 N</del>	<del>+2</del>	<del>+4</del>			
4650 N	✓ -6	+3			
4675 N	-8	+4			
<del>4687.5 N</del>	<del>-8</del>	<del>+5</del>			
47 N	-6	+5			
<del>4712.5</del>	<del>-1</del>	<del>+7</del>			
4725 N	+8	+11			

**SURVEY DETAILS:**

Instrument - EM 16 No 52

Operator - L. Grexton

Station - Cutler Maine (BL 20 W)

- Seattle (L 39 N to 50 N)

Direction - Lines run E to W - with

initial null roughly NW

direction (L 39 to L 50 N)

- Baseline run S to N - with

initial null roughly E

Spacing - Readings max 25 m along

lines with some 12.5 m

detail readings in between

- Lines 100 m apart

Note: Cutler Maine signal weak

: For original data see Fieldbook

"Grexton Y06 1986 Book 3"