

## DATA ANALYSIS - SPOT

**Tester:** René Pollrich  
**Region:** North Norway (Bardu/Troms) and parts of North Sweden (Abisko)  
**What:** ski tour, 2 persons, 1 dog with pulk  
**Date:** 02/10/2009 – 02/19/2009  
**Weather:** almost sunny, temperatures between -30°C and -10°C  
**Topography:** wide open high valleys, high plateaus, steep walls beside the route  
**Vegetation:** sparse, some small birches in lower regions

### Tracking-Points

#### Test 1

02/08/2009 03:09:52 PM,0-7369488,track,68.6508,18.8451,""	
02/08/2009 03:39:53 PM,0-7369488,track,68.6513,18.852,""	<b>30 !</b>
02/08/2009 04:00:54 PM,0-7369488,track,68.6533,18.825,""	<b>20</b>
02/08/2009 04:10:10 PM,0-7369488,track,68.6583,18.8159,""	10

#### Test 2

02/09/2009 01:52:48 PM,0-7369488,track,68.6692,18.9411,""	
02/09/2009 02:12:39 PM,0-7369488,track,68.6594,18.9247,""	<b>20</b>
02/09/2009 02:52:36 PM,0-7369488,track,68.6615,18.8875,""	<b>40 !!</b>

## Day 1

*02/10/2009 10:02:25 AM,0-7369488,track,68.6565,18.8806,""*

02/10/2009 10:22:12 AM,0-7369488,track,68.6534,18.8843,""	<b>20</b>
02/10/2009 10:32:09 AM,0-7369488,track,68.6503,18.8808,""	10
02/10/2009 10:42:02 AM,0-7369488,track,68.6483,18.8728,""	10
02/10/2009 10:52:03 AM,0-7369488,track,68.6471,18.8676,""	10
02/10/2009 11:02:03 AM,0-7369488,track,68.6449,18.8629,""	10
02/10/2009 11:12:01 AM,0-7369488,track,68.6414,18.8647,""	10
02/10/2009 11:33:03 AM,0-7369488,track,68.6386,18.8694,""	<b>20</b>
02/10/2009 11:42:21 AM,0-7369488,track,68.6379,18.8712,""	10
02/10/2009 12:02:03 PM,0-7369488,track,68.6313,18.8762,""	<b>20</b>
02/10/2009 12:12:04 PM,0-7369488,track,68.6289,18.8783,""	10
02/10/2009 12:22:02 PM,0-7369488,track,68.6248,18.8805,""	10
02/10/2009 01:02:16 PM,0-7369488,track,68.618,18.8832,""	<b>40 !!</b>
02/10/2009 01:12:26 PM,0-7369488,track,68.6147,18.884,""	10
02/10/2009 01:22:05 PM,0-7369488,track,68.6113,18.8856,""	10
02/10/2009 01:52:05 PM,0-7369488,track,68.6044,18.8833,""	<b>30 !</b>
02/10/2009 02:02:02 PM,0-7369488,track,68.601,18.8826,""	10
02/10/2009 02:12:07 PM,0-7369488,track,68.5984,18.8819,""	10
02/10/2009 02:22:25 PM,0-7369488,track,68.5954,18.8775,""	10
02/10/2009 02:32:26 PM,0-7369488,track,68.5944,18.8767,""	10
02/10/2009 02:42:13 PM,0-7369488,track,68.5918,18.8755,""	10
02/10/2009 03:02:13 PM,0-7369488,track,68.5878,18.8693,""	<b>20</b>
02/10/2009 03:12:11 PM,0-7369488,track,68.5877,18.8688,""	10
02/10/2009 03:22:07 PM,0-7369488,track,68.585,18.8637,""	10
02/10/2009 03:32:09 PM,0-7369488,track,68.5825,18.8593,""	10
02/10/2009 03:42:04 PM,0-7369488,track,68.5797,18.8556,""	10
02/10/2009 03:52:10 PM,0-7369488,track,68.5793,18.8545,""	10
02/10/2009 04:02:01 PM,0-7369488,track,68.5794,18.8546,""	10
02/10/2009 04:12:01 PM,0-7369488,track,68.5794,18.8546,""	10
02/10/2009 04:22:02 PM,0-7369488,track,68.5793,18.8545,""	10
02/10/2009 04:32:01 PM,0-7369488,track,68.5794,18.8546,""	10
02/10/2009 04:52:02 PM,0-7369488,track,68.5794,18.8545,""	<b>20</b>

02/10/2009 09:53:50 PM,0-7369488,ok,68.5793,18.8545,""

*okay-message*

**31 messages:**

<b>24</b>	<b>-</b>	<b>10 min.</b>
<b>5</b>	<b>-</b>	<b>20 min.</b>
<b>1</b>	<b>-</b>	<b>30 min.</b>
<b>1</b>	<b>-</b>	<b>40 min.</b>

## Day 2

*02/11/2009 09:30:17 AM,0-7369488,track,68.5794,18.8544,""*

02/11/2009 09:49:52 AM,0-7369488,track,68.5793,18.8544,""	<b>20</b>
02/11/2009 09:59:25 AM,0-7369488,track,68.5794,18.8543,""	10
02/11/2009 10:29:35 AM,0-7369488,track,68.5766,18.8503,""	<b>30 !</b>
02/11/2009 10:39:51 AM,0-7369488,track,68.5729,18.8418,""	10
02/11/2009 10:49:29 AM,0-7369488,track,68.5699,18.834,""	10
02/11/2009 10:59:30 AM,0-7369488,track,68.5676,18.831,""	10
02/11/2009 11:29:31 AM,0-7369488,track,68.5599,18.8039,""	<b>30 !</b>
02/11/2009 11:49:36 AM,0-7369488,track,68.5563,18.7885,""	<b>20</b>
02/11/2009 11:59:42 AM,0-7369488,track,68.5547,18.7853,""	10
02/11/2009 12:09:28 PM,0-7369488,track,68.5528,18.7835,""	10
02/11/2009 12:31:40 PM,0-7369488,track,68.5477,18.7809,""	<b>20</b>
02/11/2009 12:39:26 PM,0-7369488,track,68.5463,18.7806,""	10
02/11/2009 12:49:25 PM,0-7369488,track,68.5431,18.7798,""	10
02/11/2009 12:59:26 PM,0-7369488,track,68.5398,18.7788,""	10
02/11/2009 01:19:55 PM,0-7369488,track,68.5339,18.7833,""	<b>20</b>
02/11/2009 01:29:30 PM,0-7369488,track,68.5323,18.784,""	10
02/11/2009 01:40:00 PM,0-7369488,track,68.529,18.7891,""	10
02/11/2009 01:49:31 PM,0-7369488,track,68.5262,18.7913,""	10
02/11/2009 01:59:38 PM,0-7369488,track,68.5237,18.7969,""	10
02/11/2009 02:09:28 PM,0-7369488,track,68.5215,18.8013,""	10
02/11/2009 02:19:33 PM,0-7369488,track,68.5197,18.8073,""	10
02/11/2009 02:30:03 PM,0-7369488,track,68.5197,18.8075,""	10
02/11/2009 02:49:34 PM,0-7369488,track,68.518,18.817,""	<b>20</b>
02/11/2009 02:59:30 PM,0-7369488,track,68.5153,18.8263,""	10
02/11/2009 03:09:46 PM,0-7369488,track,68.5138,18.8322,""	10
02/11/2009 03:19:30 PM,0-7369488,track,68.5121,18.8378,""	10
02/11/2009 03:29:56 PM,0-7369488,track,68.5086,18.8478,""	10
02/11/2009 03:39:31 PM,0-7369488,track,68.506,18.8539,""	10
02/11/2009 03:49:33 PM,0-7369488,track,68.5027,18.8639,""	10
02/11/2009 04:09:29 PM,0-7369488,track,68.4981,18.8748,""	<b>20</b>
02/11/2009 04:20:07 PM,0-7369488,track,68.4965,18.8667,""	10
02/11/2009 04:29:49 PM,0-7369488,track,68.4951,18.8597,""	10

02/11/2009 04:49:27 PM,0-7369488,track,68.4886,18.8485,""	<b>20</b>
02/11/2009 05:09:45 PM,0-7369488,track,68.4817,18.8432,""	<b>20</b>
02/11/2009 05:19:24 PM,0-7369488,track,68.4782,18.8414,""	10
02/11/2009 05:29:46 PM,0-7369488,track,68.4749,18.8391,""	10
02/11/2009 05:39:28 PM,0-7369488,track,68.4747,18.834,""	10
02/11/2009 06:09:56 PM,0-7369488,track,68.4705,18.8243,""	<b>30 !</b>
02/11/2009 06:20:18 PM,0-7369488,track,68.4692,18.8257,""	10
02/11/2009 06:29:30 PM,0-7369488,track,68.4691,18.8254,""	10

<b>40 messages:</b>	<b>29</b>	<b>-</b>	<b>10 min.</b>
	<b>8</b>	<b>-</b>	<b>20 min.</b>
	<b>3</b>	<b>-</b>	<b>30 min.</b>

**Day 3 and 4 only day trips without SPOT**

## Day 5

*02/14/2009 10:57:25 AM,0-7369488,track,68.4692,18.8256,""*

02/14/2009 11:17:24 AM,0-7369488,track,68.4692,18.8255,""	<b>20</b>
02/14/2009 11:26:52 AM,0-7369488,track,68.4692,18.8255,""	10
02/14/2009 11:46:50 AM,0-7369488,track,68.4696,18.8273,""	<b>20</b>
02/14/2009 11:56:50 AM,0-7369488,track,68.4706,18.83,""	10
02/14/2009 12:16:52 PM,0-7369488,track,68.4696,18.8355,""	<b>20</b>
02/14/2009 12:26:51 PM,0-7369488,track,68.4701,18.8369,""	10
02/14/2009 12:47:01 PM,0-7369488,track,68.4713,18.8447,""	<b>20</b>
02/14/2009 01:07:01 PM,0-7369488,track,68.4722,18.8523,""	<b>20</b>
02/14/2009 01:17:28 PM,0-7369488,track,68.4724,18.8549,""	10
02/14/2009 01:27:31 PM,0-7369488,track,68.4734,18.8596,""	10
02/14/2009 01:36:51 PM,0-7369488,track,68.4743,18.8632,""	10
02/14/2009 01:47:39 PM,0-7369488,track,68.4752,18.8669,""	10
02/14/2009 01:56:50 PM,0-7369488,track,68.4756,18.8689,""	10
02/14/2009 02:07:10 PM,0-7369488,track,68.476,18.8741,""	10
02/14/2009 02:26:50 PM,0-7369488,track,68.477,18.8785,""	<b>20</b>
02/14/2009 02:36:49 PM,0-7369488,track,68.4778,18.8846,""	10
02/14/2009 02:56:55 PM,0-7369488,track,68.4796,18.891,""	<b>20</b>
02/14/2009 03:06:50 PM,0-7369488,track,68.4794,18.8905,""	10
02/14/2009 03:27:18 PM,0-7369488,track,68.4794,18.8904,""	<b>20</b>
02/14/2009 03:36:49 PM,0-7369488,track,68.4795,18.8906,""	10
02/14/2009 03:56:57 PM,0-7369488,track,68.4806,18.8997,""	<b>20</b>
02/14/2009 04:06:53 PM,0-7369488,track,68.481,18.9034,""	10
02/14/2009 04:16:54 PM,0-7369488,track,68.4834,18.9143,""	10
02/14/2009 04:26:51 PM,0-7369488,track,68.4854,18.9234,""	10
02/14/2009 04:36:54 PM,0-7369488,track,68.4869,18.9311,""	10
02/14/2009 04:46:51 PM,0-7369488,track,68.4886,18.941,""	10
02/14/2009 05:06:51 PM,0-7369488,track,68.4906,18.9486,""	<b>20</b>
02/14/2009 05:17:19 PM,0-7369488,track,68.4906,18.9487,""	10
02/14/2009 05:26:49 PM,0-7369488,track,68.4906,18.9488,""	10
02/14/2009 05:36:55 PM,0-7369488,track,68.4906,18.9488,""	10
02/14/2009 05:46:51 PM,0-7369488,track,68.4906,18.9488,""	10

<b>31 messages:</b>	<b>21</b>	<b>-</b>	<b>10 min.</b>
	<b>10</b>	<b>-</b>	<b>20 min.</b>

## Day 6

02/15/2009 10:14:54 AM,0-7369488,track,68.4906,18.9487,""

02/15/2009 10:23:34 AM,0-7369488,track,68.4905,18.9545,"" 10

02/15/2009 10:33:22 AM,0-7369488,track,68.4908,18.9651,"" 10

02/15/2009 10:43:24 AM,0-7369488,track,68.4909,18.9773,"" 10

02/15/2009 11:03:23 AM,0-7369488,track,68.4894,19.0004,"" **20**

02/15/2009 11:14:13 AM,0-7369488,track,68.4885,19.0049,"" 10

02/15/2009 11:23:19 AM,0-7369488,track,68.4876,19.0097,"" 10

02/15/2009 11:33:20 AM,0-7369488,track,68.4866,19.0139,"" 10

02/15/2009 11:53:22 AM,0-7369488,track,68.4814,19.0305,"" **20**

02/15/2009 12:03:19 PM,0-7369488,track,68.4799,19.0352,"" 10

02/15/2009 12:13:25 PM,0-7369488,track,68.4777,19.0408,"" 10

02/15/2009 12:23:29 PM,0-7369488,track,68.4757,19.048,"" 10

02/15/2009 12:33:50 PM,0-7369488,track,68.4746,19.053,"" 10

02/15/2009 12:43:22 PM,0-7369488,track,68.4741,19.0536,"" 10

02/15/2009 12:53:17 PM,0-7369488,track,68.4709,19.0554,"" 10

02/15/2009 01:03:22 PM,0-7369488,track,68.4686,19.0585,"" 10

02/15/2009 01:13:47 PM,0-7369488,track,68.4662,19.0681,"" 10

02/15/2009 01:23:19 PM,0-7369488,track,68.4647,19.0698,"" 10

02/15/2009 01:53:36 PM,0-7369488,track,68.4647,19.0699,"" **30 !**

02/15/2009 02:13:21 PM,0-7369488,track,68.4595,19.0751,"" **20**

02/15/2009 02:23:53 PM,0-7369488,track,68.456,19.0817,"" 10

02/15/2009 02:43:24 PM,0-7369488,track,68.4511,19.0905,"" **20**

02/15/2009 02:53:20 PM,0-7369488,track,68.4489,19.095,"" 10

02/15/2009 03:23:41 PM,0-7369488,track,68.4403,19.1204,"" **30 !**

02/15/2009 03:33:56 PM,0-7369488,track,68.4388,19.1324,"" 10

02/15/2009 03:53:20 PM,0-7369488,track,68.4414,19.1441,"" **20**

02/15/2009 04:33:21 PM,0-7369488,track,68.4414,19.1439,"" **40 !!**

02/15/2009 04:38:09 PM,0-7369488,ok,68.4414,19.1438,"" *okay-message*

<b>26 messages:</b>	<b>18</b>	-	<b>10 min.</b>
	<b>5</b>	-	<b>20 min.</b>
	<b>2</b>	-	<b>30 min.</b>
	<b>1</b>	-	<b>40 min.</b>



## Day 7

*02/16/2009 09:28:20 AM,0-7369488,track,68.4414,19.1439,""*

02/16/2009 09:36:48 AM,0-7369488,track,68.4414,19.1438,""	10
02/16/2009 09:46:19 AM,0-7369488,track,68.4419,19.1532,""	10
02/16/2009 09:56:34 AM,0-7369488,track,68.4444,19.1659,""	10
02/16/2009 10:06:20 AM,0-7369488,track,68.4465,19.1733,""	10
02/16/2009 10:16:19 AM,0-7369488,track,68.4472,19.1757,""	10
02/16/2009 10:26:27 AM,0-7369488,track,68.4509,19.1859,""	10
02/16/2009 10:46:19 AM,0-7369488,track,68.456,19.1957,""	<b>20</b>
02/16/2009 10:56:24 AM,0-7369488,track,68.4586,19.1972,""	10
02/16/2009 11:06:20 AM,0-7369488,track,68.4612,19.2007,""	10
02/16/2009 11:36:19 AM,0-7369488,track,68.4639,19.2078,""	<b>20</b>
02/16/2009 11:46:20 AM,0-7369488,track,68.4676,19.213,""	10
02/16/2009 12:27:40 PM,0-7369488,track,68.4799,19.2462,""	<b>40 !!</b>
02/16/2009 12:36:49 PM,0-7369488,track,68.4819,19.2503,""	10
02/16/2009 12:46:39 PM,0-7369488,track,68.4844,19.258,""	10
02/16/2009 12:56:20 PM,0-7369488,track,68.4853,19.2598,""	10
02/16/2009 01:06:20 PM,0-7369488,track,68.4868,19.2663,""	10
02/16/2009 01:26:23 PM,0-7369488,track,68.4884,19.2695,""	<b>20</b>
02/16/2009 01:36:50 PM,0-7369488,track,68.4884,19.2697,""	10
02/16/2009 01:56:20 PM,0-7369488,track,68.4883,19.2696,""	<b>20</b>
02/16/2009 02:06:39 PM,0-7369488,track,68.4902,19.274,""	10
02/16/2009 02:26:20 PM,0-7369488,track,68.4929,19.2875,""	<b>20</b>
02/16/2009 02:36:20 PM,0-7369488,track,68.4936,19.2907,""	10
02/16/2009 02:56:19 PM,0-7369488,track,68.4955,19.2961,""	<b>20</b>
02/16/2009 03:06:27 PM,0-7369488,track,68.4971,19.2979,""	10
02/16/2009 03:16:53 PM,0-7369488,track,68.4983,19.3008,""	10
02/16/2009 03:26:39 PM,0-7369488,track,68.5008,19.302,""	10
02/16/2009 03:36:20 PM,0-7369488,track,68.503,19.3016,""	10
02/16/2009 03:56:20 PM,0-7369488,track,68.5036,19.3197,""	<b>20</b>
02/16/2009 04:06:19 PM,0-7369488,track,68.5082,19.3245,""	10
02/16/2009 04:16:21 PM,0-7369488,track,68.5113,19.3289,""	10
02/16/2009 04:26:23 PM,0-7369488,track,68.5114,19.3288,""	10
02/16/2009 04:36:23 PM,0-7369488,track,68.5113,19.3291,""	10

02/16/2009 04:56:54 PM,0-7369488,track,68.5113,19.3289,""	<b>20</b>
02/16/2009 05:06:26 PM,0-7369488,track,68.5113,19.3292,""	10

**34 messages:**

<b>25</b>	-	<b>10 min.</b>
<b>8</b>	-	<b>20 min.</b>
<b>1</b>	-	<b>40 min.</b>

## Day 8

<i>02/17/2009 10:28:43 AM,0-7369488,track,68.5113,19.3289,""</i>	
02/17/2009 12:03:50 PM,0-7369488,track,68.525,19.2902,""	<b>90</b> !!!!!!! (too cold)
02/17/2009 12:13:20 PM,0-7369488,track,68.5275,19.2826,""	10
02/17/2009 12:23:21 PM,0-7369488,track,68.5308,19.2731,""	10
02/17/2009 12:33:34 PM,0-7369488,track,68.536,19.2644,""	10
02/17/2009 12:43:19 PM,0-7369488,track,68.5382,19.2615,""	10
02/17/2009 12:53:21 PM,0-7369488,track,68.5408,19.255,""	10
02/17/2009 01:13:33 PM,0-7369488,track,68.5497,19.2406,""	<b>20</b>
02/17/2009 01:23:54 PM,0-7369488,track,68.5524,19.2361,""	10
02/17/2009 01:43:31 PM,0-7369488,track,68.5567,19.2314,""	<b>20</b>
02/17/2009 01:53:24 PM,0-7369488,track,68.5567,19.2312,""	10
02/17/2009 02:13:19 PM,0-7369488,track,68.5568,19.2313,""	<b>20</b>
02/17/2009 02:23:20 PM,0-7369488,track,68.5583,19.2369,""	10
02/17/2009 02:33:20 PM,0-7369488,track,68.5629,19.2327,""	10
02/17/2009 02:43:23 PM,0-7369488,track,68.5664,19.2272,""	10
02/17/2009 02:53:21 PM,0-7369488,track,68.5677,19.2277,""	10
02/17/2009 03:43:19 PM,0-7369488,track,68.5861,19.2375,""	<b>50 !!!</b>
02/17/2009 03:59:54 PM,0-7369488,ok,68.5863,19.2375,""	<i>okay-message</i>

**16 messages:**

<b>11</b>	-	<b>10 min.</b>
<b>3</b>	-	<b>20 min.</b>
<b>1</b>	-	<b>50 min.</b>
<b>1</b>	-	<b>90 min.</b>

## Day 9

*02/18/2009 11:29:54 AM,0-7369488,track,68.5863,19.2374,""*

02/18/2009 11:49:27 AM,0-7369488,track,68.5943,19.2341,""	<b>20</b>
02/18/2009 11:59:53 AM,0-7369488,track,68.598,19.23,""	10
02/18/2009 12:09:33 PM,0-7369488,track,68.6009,19.2178,""	10
02/18/2009 12:19:29 PM,0-7369488,track,68.6061,19.2068,""	10
02/18/2009 12:39:54 PM,0-7369488,track,68.6122,19.1903,""	<b>20</b>
02/18/2009 12:49:32 PM,0-7369488,track,68.6156,19.175,""	10
02/18/2009 12:59:32 PM,0-7369488,track,68.6176,19.166,""	10
02/18/2009 01:09:39 PM,0-7369488,track,68.6216,19.1581,""	10
02/18/2009 01:29:44 PM,0-7369488,track,68.6282,19.1519,""	<b>20</b>
02/18/2009 01:39:29 PM,0-7369488,track,68.6334,19.1457,""	10
02/18/2009 01:59:29 PM,0-7369488,track,68.6412,19.134,""	<b>20</b>
02/18/2009 02:09:31 PM,0-7369488,track,68.6454,19.1296,""	10
02/18/2009 02:29:57 PM,0-7369488,track,68.6557,19.1183,""	<b>20</b>
02/18/2009 02:39:29 PM,0-7369488,track,68.6589,19.1201,""	10

**14 messages:      9      -      10 min.**  
**5      -      20 min.**

## Day 10

02/19/2009 09:49:42 AM,0-7369488,track,68.6567,19.1144,""

02/19/2009 10:06:53 AM,0-7369488,track,68.6542,19.0894,""	<b>20</b>
02/19/2009 10:16:49 AM,0-7369488,track,68.652,19.0729,""	10
02/19/2009 10:26:51 AM,0-7369488,track,68.652,19.0538,""	10
02/19/2009 10:36:48 AM,0-7369488,track,68.6526,19.0351,""	10
02/19/2009 10:46:50 AM,0-7369488,track,68.6543,19.0168,""	10
02/19/2009 10:56:55 AM,0-7369488,track,68.6551,18.9945,""	10
02/19/2009 11:27:58 AM,0-7369488,track,68.6555,18.9235,""	<b>30 !</b>
02/19/2009 11:47:22 AM,0-7369488,track,68.6535,18.8869,""	<b>20</b>
02/19/2009 12:06:51 PM,0-7369488,track,68.6517,18.8688,""	<b>20</b>
02/19/2009 12:57:07 PM,0-7369488,track,68.6555,18.8208,""	<b>20</b>
02/19/2009 01:46:50 PM,0-7369488,track,68.6621,18.8037,""	<b>50 !!!</b>

<b>11 messages:</b>	<b>5</b>	<b>-</b>	<b>10 min.</b>
	<b>3</b>	<b>-</b>	<b>20 min.</b>
	<b>1</b>	<b>-</b>	<b>30 min.</b>
	<b>1</b>	<b>-</b>	<b>50 min.</b>

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## TOTAL

<b>202 messages:</b>	<b>142</b>	<b>(70,5%)</b>	<b>-</b>	<b>10 min.</b>
	<b>47</b>	<b>(23%)</b>	<b>-</b>	<b>20 min.</b>
	<b>7</b>	<b>(3,5%)</b>	<b>-</b>	<b>30 min.</b>
	<b>3</b>	<b>(1,5%)</b>	<b>-</b>	<b>40 min.</b>
	<b>2</b>	<b>(1%)</b>	<b>-</b>	<b>50 min.</b>
	<b>1</b>	<b>(0,5)</b>	<b>-</b>	<b>90 min. (cold batteries -30°C)</b>