

NAME: \_\_\_\_\_

## Day 1 CLN

Tabular Listing: January 12, 2015 - 0:00 through January 13, 2015 - 00:00 MST

Time(MST)	Temperature ° C	Quality check	Precipitation lhr cm	Snow depth cm	Snow interval cm
0:00	-7.2	OK	0.03	198.12	12.70
23:00	-6.7	OK	0.05	198.12	12.70
22:00	-6.7	OK	0.13	198.12	12.70
21:00	-6.1	OK	0.08	195.58	12.70
20:00	-5.6	OK	0.08	195.58	10.16
19:00	-4.4	OK	0.05	195.58	10.16
18:00	-3.9	OK	0.20	193.04	10.16
17:00	-3.3	OK	0.30	190.50	7.62
16:00	-2.8	OK	0.36	187.96	35.56
15:00	-2.8	OK	0.28	185.42	33.02
14:00	-2.8	OK	0.33	180.34	30.48
13:00	-3.3	OK	0.46	177.80	27.94
12:00	-3.3	OK	0.56	172.72	22.86
11:00	-3.3	OK	0.46	165.10	17.78
10:00	-3.9	OK	0.51	154.94	10.16
9:00	-4.4	OK	0.00	154.94	2.54
8:00	-4.4	OK	0.00	157.48	2.54
7:00	-3.9	OK	0.00	157.48	2.54
6:00	-3.9	OK	0.00	157.48	2.54
5:00	-3.9	OK	0.00	157.48	2.54
4:00	-3.9	OK	0.00	157.48	2.54
3:00	-4.4	OK	0.03	157.48	2.54
2:00	-4.4	OK	0.00	157.48	2.54
1:00	-4.4	OK	0.08	154.94	2.54
0:00	-4.4	OK	0.03	154.94	0.00
23:00	-4.4	OK	0.03	157.48	0.00

## Day 1 AMB

Tabular Listing: January 12, 2015 - 0:00 through January 13, 2015 - 00:00 MST

Time(MST)	Temperature ° F	Dew Point ° F	Wet Bulb Temperature ° F	Relative Humidity %	Wind Speed mph	Wind Gust mph	Wind Direction	Quality check	Battery voltage
0:00	15.5	13.8	14.9	93	9	12	WNW	OK	12.23
23:00	15.6	13.9	15.0	93	11	12	WNW	OK	12.23
22:00	16.1	14.4	15.5	93	7	10	W	OK	12.25
21:00	16.9	15.3	16.3	93	6	9	WNW	OK	12.27
20:00	18.0	16.5	17.5	94	10	15	WNW	OK	12.30
19:00	19.3	17.9	18.8	94	14	18	WNW	OK	12.35
18:00	20.8	19.5	20.3	94	5	11	WSW	OK	12.42
17:00	21.6	20.2	21.1	94	6	19	S	OK	12.62
16:00	22.8	21.5	22.3	95	7	26	SW	OK	12.86
15:00	22.9	21.6	22.4	94	7	17	SSW	OK	12.99
14:00	22.3	21.0	21.8	94	13	34	SW	OK	12.98
13:00	22.8	21.5	22.3	95	9	30	SW	OK	12.84
12:00	21.7	20.4	21.2	95	12	30	S	OK	12.48
11:00	21.3	20.0	20.8	95	12	36	SSW	OK	12.38
10:00	20.9	19.6	20.4	94	15	24	S	OK	12.25
9:00	20.4	19.1	19.9	94	4	10	SSW	OK	12.24
8:00	19.8	18.4	19.3	94	6	11	SW	OK	12.24
7:00	20.3	19.0	19.8	94	7	11	WSW	OK	12.24
6:00	20.2	18.9	19.7	94	10	18	WSW	OK	12.24
5:00	20.4	19.1	19.9	94	11	16	WSW	OK	12.25
4:00	20.6	19.3	20.1	94	9	16	WSW	OK	12.25
3:00	20.7	19.4	20.2	94	9	15	WSW	OK	12.25
2:00	20.4	19.1	19.9	94	11	18	WSW	OK	12.26
1:00	20.1	18.7	19.6	94	8	18	WSW	OK	12.26
0:00	19.9	18.5	19.4	94	7	13	WSW	OK	12.27
23:00	19.8	18.4	19.3	94	14	19	W	OK	12.27

## Day 2 CLN

Tabular Listing: January 13, 2015 - 0:00 through January 14, 2015 - 00:00 MST

Time(MST)	Temperature ° C	Quality check	Precipitation 1hr cm	Snow depth cm	Snow interval cm
0:00	-10.6	N/A	0.00	190.50	0.00
23:00	-9.4	N/A	0.00	190.50	0.00
22:00	-8.3	N/A	0.00	190.50	0.00
21:00	-7.8	N/A	0.00	190.50	0.00
20:00	-7.8	N/A	0.00	190.50	0.00
19:00	-8.9	N/A	0.00	193.04	0.00
18:00	-8.3	OK	0.00	193.04	0.00
17:00	-7.2	OK	0.00	193.04	0.00
16:00	-6.7	OK	0.00	193.04	0.00
15:00	-5.6	OK	0.00	193.04	0.00
14:00	-5.6	OK	0.00	193.04	0.00
13:00	-5.6	OK	0.00	193.04	0.00
12:00	-5.6	OK	0.00	193.04	0.00
11:00	-6.1	OK	0.03	193.04	0.00
10:00	-6.1	OK	0.00	193.04	0.00
9:00	-6.7	OK	0.03	193.04	0.00
8:00	-6.7	OK	0.03	190.50	15.24
7:00	-7.2	OK	0.03	193.04	12.70
6:00	-7.2	OK	0.00	195.58	12.70
5:00	-7.2	OK	0.00	195.58	12.70
4:00	-7.8	OK	0.00	195.58	12.70
3:00	-7.8	OK	0.00	195.58	12.70
2:00	-7.8	OK	0.00	195.58	12.70
1:00	-7.8	OK	0.00	198.12	12.70
0:00	-7.2	OK	0.03	198.12	12.70
23:00	-6.7	OK	0.05	198.12	12.70

## Day 2 AMB

Tabular Listing: January 13, 2015 - 0:00 through January 14, 2015 - 00:00 MST

Time(MST)	Temperature ° F	Dew Point ° F	Wet Bulb Temperature ° F	Relative Humidity %	Wind Speed mph	Wind Gust mph	Wind Direction	Quality check	Battery voltage
0:00	15.5	6.0	12.6	65	17	20	NE	N/A	12.28
23:00	14.2	11.3	13.2	88	15	18	NNE	N/A	12.31
22:00	14.4	12.2	13.7	91	16	20	NNE	N/A	12.34
21:00	14.2	12.2	13.6	92	18	24	NNE	N/A	12.38
20:00	14.1	12.3	13.5	92	19	31	NE	N/A	12.41
19:00	14.0	12.2	13.4	92	20	30	ENE	N/A	12.46
18:00	14.4	12.6	13.8	92	19	33	NE	N/A	12.55
17:00	15.4	13.6	14.8	93	14	32	NNE	OK	12.77
16:00	16.7	15.0	16.1	93	11	34	NE	OK	13.05
15:00	16.8	15.1	16.2	93	17	30	NE	OK	13.44
14:00	17.8	16.2	17.2	93	7	29	NNE	OK	13.35
13:00	18.4	16.8	17.8	93	2	6	N	OK	13.12
12:00	17.7	16.1	17.1	93	2	5	N	OK	12.90
11:00	17.2	15.6	16.6	93	3	7	NNE	OK	12.58
10:00	16.5	14.9	15.9	93	4	8	NNE	OK	12.34
9:00	16.1	14.5	15.5	93	4	9	N	OK	12.25
8:00	15.6	13.9	15.0	93	4	11	N	OK	12.20
7:00	15.4	13.7	14.8	93	5	10	N	OK	12.20
6:00	14.7	13.0	14.1	93	6	10	NNE	OK	12.20
5:00	15.0	13.3	14.4	93	6	9	N	OK	12.20
4:00	15.0	13.3	14.4	93	7	11	NNW	OK	12.21
3:00	14.4	12.7	13.8	93	9	13	NW	OK	12.21
2:00	14.2	12.4	13.6	92	10	13	WNW	OK	12.21
1:00	14.9	13.2	14.3	93	12	15	WNW	OK	12.22
0:00	15.5	13.8	14.9	93	9	12	WNW	OK	12.23
23:00	15.6	13.9	15.0	93	11	12	WNW	OK	12.23

Day 1:

What date was the data collected: **January 12th, 2015**

What was the high temperature in degrees C: **-2.8**

Low temperature in degrees C: **-7.2**

Average wind speed (mph): **9**

Max wind gust (mph): **36**

Average wind direction (i.e. SW, N...) **SW or SSW**

New snow depth (cm): **48.26**

24 hour snow water equivalent(SWE) times 10 ( cm times 10)  
**4.05cm or 40.5cm on the timeline**

Sketch the SWE and new snow depth as you would draw on the timeline

**(Look at the timeline example on web site)**

Do you think the snow that fell was wet and more dense or dry and less dense?  
**Dry and less dense**

Taking into account the wind speed and direction, on which slopes would you expect to find new wind loading?

**NE or NNE Aspects**

Day 2:

What date was the data collected: **January 13th, 2015**

What was the high temperature in degrees C: **-5.6**

Low temperature in degrees C: **-10.6**

Average wind speed (mph): **11**

Max wind gust (mph): **34**

Average wind direction (i.e. SW, N...) **NE or N**

New snow depth (cm): **2.54**

24 hour snow water equivalent(SWE) times 10 ( cm times 10)  
**.2 cm or 2.0 cm on the timeline**

Sketch the SWE and new snow depth as you would draw on the timeline

**(Look at the timeline example on web site)**

Do you think the snow that fell was wet and more dense or dry and less dense?  
**Dry and less dense**

Taking into account the wind speed and direction, on which slopes would you expect to find new wind loading?

**S or SW**