APPLICATION FOR COAL PERMIT PROCESSING

Permit Change ☒ New Permit ☐ Renewal ☐ Exploration ☐ Bond Release ☐ Transfer ☐

Permittee: Plateau Mining Corporation

Mine: Willow Creek Mine **Permit Number:** C/007/0038

Title: Channel repair following high-intensity thunderstorm

Description, Include reason for application and timing required to implement:

Repair of channels CGRD-1, WCRD-4, and WCRD-5A damaged by high intensity storms

Instructions: If you answer yes to any of the first eight (gray) questions, this application may require Public Notice publication.

☐ Yes ☒ No 1. Change in the size of the Permit Area? Acres: _____ Disturbed Area: _____ ☐ increase ☐ decrease.
☐ Yes ☒ No 2. Is the application submitted as a result of a Division Order? DO# _____
☐ Yes ☒ No 3. Does the application include operations outside a previously identified Cumulative Hydrologic Impact Area?
☐ Yes ☒ No 4. Does the application include operations in hydrologic basins other than as currently approved?
☐ Yes ☒ No 5. Does the application result from cancellation, reduction or increase of insurance or reclamation bond?
☐ Yes ☒ No 6. Does the application require or include public notice publication?
☐ Yes ☒ No 7. Does the application require or include ownership, control, right-of-entry, or compliance information?
☐ Yes ☒ No 8. Is proposed activity within 100 feet of a public road or cemetery or 300 feet of an occupied dwelling?
☐ Yes ☒ No 9. Is the application submitted as a result of a Violation? NOV # _____
☐ Yes ☒ No 10. Is the application submitted as a result of other laws or regulations or policies?
Explain: _____
☐ Yes ☒ No 11. Does the application affect the surface landowner or change the post mining land use?
☐ Yes ☒ No 12. Does the application require or include underground design or mine sequence and timing? (Modification of R2P2)
☐ Yes ☒ No 13. Does the application require or include collection and reporting of any baseline information?
☐ Yes ☒ No 14. Could the application have any effect on wildlife or vegetation outside the current disturbed area?
☒ Yes ☐ No 15. Does the application require or include soil removal, storage or placement?
☒ Yes ☐ No 16. Does the application require or include vegetation monitoring, removal or revegetation activities?
☐ Yes ☒ No 17. Does the application require or include construction, modification, or removal of surface facilities?
☒ Yes ☐ No 18. Does the application require or include water monitoring, sediment or drainage control measures?
☒ Yes ☐ No 19. Does the application require or include certified designs, maps or calculation?
☐ Yes ☒ No 20. Does the application require or include subsidence control or monitoring?
☐ Yes ☒ No 21. Have reclamation costs for bonding been provided?
☐ Yes ☒ No 22. Does the application involve a perennial stream, a stream buffer zone or discharges to a stream?
☐ Yes ☒ No 23. Does the application affect permits issued by other agencies or permits issued to other entities?

Please attach four (4) review copies of the application. If the mine is on or adjacent to Forest Service land please submit five (5) copies, thank you. (These numbers include a copy for the Price Field Office)

I hereby certify that I am a responsible official of the applicant and that the information contained in this application is true and correct to the best of my information and belief in all respects with the laws of Utah in reference to commitments, undertakings, and obligations herein.

Dennis N Ware
Print Name

Sign Name, Position, Date
Authorized Agent
9-27-2013

Subscribed and sworn to before me this 27th day of September, 2013

Cindy Nielson
Notary Public

My commission Expires: Oct 27, 2013

Attest: State of Utah } ss:
County of Emery

Notary Public
CINDY NIELSON
Commission #600691
My Commission Expires
October 2, 2014
State of Utah

For Office Use Only:	Assigned Tracking Number:	Received by Oil, Gas & Mining

Form DOGM- C1 (Revised March 12, 2002)

Plan for Repair of Reclamation Channels CGRD-1, WCRD-4, and WCRD-5A at the Willow Creek Mine, Carbon County, Utah

Plateau Mining Corporation
Orangeville, Utah

September 2013

REGISTERED PROFESSIONAL ENGINEER
No. 168246
RICHARD B. WHITE
27 Sep 2013
STATE OF UTAH

EarthFax Engineering Group, LLC

Engineers / Scientists
www.earthfax.com

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PLAN FOR REPAIR OF RECLAMATION CHANNELS GCRD-1, WCRD-4, AND WCRD-5A AT THE WILLOW CREEK MINE, CARBON COUNTY, UTAH

1.0 INTRODUCTION

On September 13 or 14, 2013, a high-intensity thunderstorm generated significant runoff from Schoolhouse Canyon and adjacent areas in Carbon County, Utah. This runoff caused substantial erosion of channels CGRD-1, WCRD-4, and WCRD-5A that are part of the reclaimed Willow Creek Mine (see Plates 1 and 2).

Phase II bond release for the Willow Creek Mine was granted on August 1, 2012. Hence, the precipitation event that caused the above-noted erosion occurred following Phase II bond release.

Regulations promulgated by the Utah Division of Oil, Gas and Mining in R645-301-357.340 state that, "Where necessitated by a natural disaster, excluding climatic variation, . . . not caused by any lack of planning, design, or implementation of the mining and reclamation plan on the part of the Permittee, the seeding and planting of the entire area which is significantly affected by the disaster . . . will be allowed as an accepted husbandry practice and thus will not restart the extended responsibility period." These rules specifically exclude events that are the result of "climatic variation," which is not defined in the regulations. The World Meteorological Organization defines climate variability as "Variations in the mean state and other statistics (such as standard deviations, the occurrence of extremes, etc.) of the climate on all temporal and spatial scales beyond that of individual weather events."[1] Thus, climate variation is defined by changes across larger scales of time and space than an individual event like the extreme rainfall of September 13 or 14, 2013 at the Willow Creek Mine site. As a result, it is anticipated that the work proposed herein will not affect the extended responsibility period or the schedule for Phase III bond release.

The purpose of this document is to present a plan for repair of the damaged sections of reclamation channels CGRD-1, WCRD-4, and WCRD-5A. Plateau Mining Corporation ("Plateau") requests that the Utah Division of Oil, Gas and Mining review this plan in an expeditious manner to allow these repairs to be made before soil in the area freezes.

[1] http://www.wmo.int/pages/prog/wcp/ccl/faqs.html

2.0 BACKGROUND INFORMATION

2.1 Precipitation Data

Precipitation data for gages in the general vicinity of the Willow Creek site were obtained for the period of September 10 through September 15, 2013 from the University of Utah MesoWest web site (www.mesowest.utah.edu). These gages are located as indicated in Figure 1. Additional data were obtained from Rocky Mountain Power for a rain gage at the Carbon Power Plant located approximately 4,000 feet south of the Willow Creek refuse disposal pile.[2] All precipitation data thus obtained are provided in Attachment A. A review of the above data indicates that thunderstorm bursts in the area typically had durations of 1 to 2 hours within storms of a total duration of 4 to 6 hours.

As a point of comparison, precipitation depth-duration-frequency estimates for the Willow Creek Mine area were downloaded from National Weather Service Precipitation Frequency Data Server (http://dipper.nws.noaa.gov/hdsc/pfds/). These data are also provided in Attachment A.

2.2 Estimate of Storm Magnitude

It is well known that thunderstorm cells in the Intermountain/Rocky Mountain region can yield significant quantities of precipitation over small geographic areas, thereby bypassing the available rain gage network. This is evidenced by a review of the precipitation data provided in Attachment A.

To estimate the magnitude of the storm event that produced the runoff of September 13 or 14, the magnitude of the runoff event was first estimated. The photograph provided in Figure 2 was taken of channel CGRD-1 at approximately Station 9+00 (see Plate 1). In this photograph, the individual is standing at the high water mark in an area where only relatively minor downcutting occurred. It is estimated that the flow at this location reached a peak depth of about 2 feet above the original channel bottom. The channel at this location had a bottom width of 10 feet, 2:1 side slopes, and a design bottom slope of 27.4 percent. Calculations in Attachment B indicate that a channel with those dimensions would be capable of conveying approximately 580 cfs at a depth of 2 feet.

Runoff from various storm events within the 263.5-acre watershed that contributes to CGRD-1 was calculated using HydroCAD, Version 10.00. The results of these calculations are provided in Attachment B. As indicated, peak flows of 619 cfs, 622 cfs, and 503 cfs were calculated for the 200-year storm with durations of 1 hour, 2 hours, and 6 hours, respectively. These flow rates are within the range of values calculated for the peak flow from the September 13-14 event. This suggests that the precipitation event that created the erosion had a return period of approximately 200 years, far exceeding the design event.

[2] Mike Ponzini, personal communication with Dennis Ware of Plateau Mining Corporation, September 17, 2013.

Data provided in Attachment A indicate that storms with a 200-year return period have the following magnitudes:

- 200-year, 1-hour event: 2.02 inches
- 200-year, 2-hour event: 2.22 inches
- 200-year, 6-hour event: 2.38 inches

Field observations of the general area of the affected channels indicate that erosion from the September 13-14 event did not extend substantially beyond the areas draining to channels CGRD-1, WCRD-4, and WCRD-5. Thus, it appears that the high-intensity portion of the subject precipitation event was confined to the watershed areas draining to the affected channels. These observations and the inherent spatial and temporal variability of summer thunderstorms indicate that it would not be unusual to measure only 1.18 inches at the Carbon Power Plant (see Attachment A for September 13-14) while experiencing rainfall in the same timeframe that exceeds that value by about 70 to 100 percent less than 1 mile away. Thus, it is appropriate to conclude from the evidence presented herein that erosion of channels CGRD-1, WCRD-4, and WCRD-5 was caused by a precipitation event with a 200-year return period and a duration of 6 hours or less.

3.0 CHANNEL REPAIR PLAN

The erosion of CGRD-1, WCRD-4, and WCRD-5 was the result of runoff exceeding the design flow due to the extreme nature of the precipitation event in the area. Nevertheless, rather than repairing the channels to a larger cross section to safely convey such events in the future, the channels will be repaired to their original design cross section to avoid what might be considered "new" mining operations.

To minimize the potential for damage to previously reclaimed areas, access to the eroded sections of the channels will be via the channel bottoms. As a result, equipment may track across sections of channels that have not eroded. Therefore, all portions of channels not intended for repair will be restored to their approximate pre-project condition before the project is completed.

3.1 CGRD-1

3.1.1 Channel Repair

CGRD-1 was constructed as a trapezoidal channel with a bottom width of 10 feet, 2:1 side slopes, and a minimum depth of 1.42 feet. The channel was lined with riprap having a median diameter of 12 inches and underlain by a natural filter layer of gravel having a median diameter of 1 inch to protect against soil piping beneath the riprap. Topsoil was then worked into the riprap and this soil was vegetated as an additional form of erosion protection. This same approach will be taken during the channel repair.

The sections of channel CGRD-1 that require repair are noted on Plates 1 and 2. The basic plan for repair of the channel is as follows:

- Mobilize equipment and materials to the site and install sediment controls as necessary.
- Regrade all areas of the damaged channel, as necessary, to achieve the required grades.
- Install appropriate filter bedding in areas intended for installation of riprap.
- Install D_{50} = 12 inch riprap in the regraded portions of the channel.
- Work topsoil into the top of the riprap layer.
- Seed and fertilize all areas disturbed by this project.

As indicated on Plates 1 and 2, riprap was deposited in two areas of the channel as it was eroded from above. This riprap (and filter blanket materials, if they exist) may be salvaged from these areas during channel repair if this salvaging can be accomplished without significant damage to areas adjacent to the channel. Any riprap and/or filter materials thus salvaged will be screened as necessary to meet the quality and gradation standards listed below.

Riprap used in the channel repair will be durable, angular, hard, and free from seams and cracks. The riprap and filter materials will meet the following gradation requirements:

D_{50} = 12 inches (Riprap)

	PERCENT PASSING	
SIZE	TARGET	PERMISSIBLE RANGE
24"	100%	80-100%
12"	50%	30-70%
6"	20%	10-30%
1.5"	0%	0-20%

D_{50} = 1 inch (Filter Material)

	PERCENT PASSING	
SIZE	TARGET	PERMISSIBLE RANGE
2"	100%	80-100%
1"	50%	30-70%
0.5"	20%	10-30%
0.25"	0%	0-20%

The channel sections requiring repair will be graded as necessary to form a base for the repaired channel and to cover refuse that was exposed by the erosional event, with an allowance made for the placement of riprap and filter bedding. Filter bedding will be installed at a nominal thickness of 12 inches beneath the riprap prior to placement of the riprap. The riprap will then be placed in the channel.

As was the case during initial construction of the channel, topsoil (either salvaged or imported) will be placed on top of the installed riprap and worked into the riprap using the backhoe bucket or equivalent means. The quantity of topsoil used for this purpose will be equivalent to a depth of 4 to 6 inches over the top of the riprap. The topsoil will be worked into the riprap to the extent feasible, exposing the riprap at the surface while filling the spaces between the riprap with topsoil.

3.1.2 Revegetation

Areas immediately adjacent to the repaired channel that were affected by the erosion will be regraded as necessary to blend into the adjacent ground. These areas and the repaired channel will be revegetated using the following seed mix:

SEED SPECIES	Pounds Pure Live Seed/acre
Agropyron smithii (Western wheatgrass)	2.00
Agropyron trachycaulum (Slender wheatgrass)	2.00
Agropyron intermedium (Intermediate wheatgrass)	1.00
Agropyron dasystachyum (Thickspike wheatgrass)	4.00
Elymus cinereus (Great Basin wildrye)	2.00
Elymus spicatus (Bluebunch wheatgrass)	6.00
Oryzopsis hymenoides (Indian ricegrass)	4.00
Achillea lanulosa (Western yarrow)	0.25
Aster glaucodes (Blueleaf Aster)	0.50
Linum lewisii (Lewis flax)	0.50
Melilotus officinalis (Yellow sweetclover)	1.00
Penstemon palmeri (Palmer penstemon)	0.50
Artemesia tridentate tridentate (Big sagebrush)	1.00
Atriplex canescens (Fourwing saltbush)	6.00
Ceratoides lanata (Winterfat)	2.00
Chrysanthamus nauseosus (Whitestem rabbitbrush)	1.00
Ephedra viridis (Green ephedra)	2.00
Total Seed	35.75

Certification will be obtained from the seed supplier to ensure that the seed mix does not contain weed seed in excess of 0.5% of the aggregate weight of pure live seed.

Seeding of the repaired channel will be accomplished via hydroseeding or broadcast seeding. If hydroseeding is used, the seed will be mixed with a small amount of wood fiber mulch, used as tracer, and water to form a slurry. If broadcast seeding is used, the seed will be broadcast by mechanical means, or by hand, such that the seed is uniformly distributed. All seeding will occur prior to November 15.

Once the repaired channel is seeded, fertilizer will be applied at a rate of approximately 25 pounds of nitrogen (N) and 50 pounds of phosphate (P_2O_5) are applied per acre. Fertilizer will consist of slow-release nitrogen (in the form of urea) and phosphorus (in the form of phosphate).

3.2 WCRD-4

WCRD-4 was constructed as a trapezoidal channel with a 3-foot bottom width, a minimum depth of 1.33 feet, and 2:1 side slopes. The channel was lined with riprap having a median diameter of 6 inches, underlain by filter bedding (median diameter of 1 inch) to protect

against soil piping beneath the riprap. The same cross section will be installed during the channel repair.

The repair process will occur as generally outlined in Section 3.1.1. The riprap used for this channel will be salvaged from the area at the downstream end of the channel where it was deposited. Additional riprap and filter material will be hauled to the site and placed in the channel as needed during reconstruction. Topsoil will be worked into the riprap after it is placed, areas adjacent to the channel will be regraded as needed to blend into the adjacent topography, and the affected area will be revegetated as outlined in Section 3.1.2.

3.3 WCRD-5

WCRD-5A was constructed as a trapezoidal channel with a 4-foot bottom width, a minimum depth of 1.75 feet, and 1.7:1 side slopes. The channel was lined with riprap having a median diameter of 6 inches, underlain by a filter layer (median diameter of 1 inch) to protect against soil piping beneath the riprap. The same cross section will be installed during the channel repair.

The repair process will occur as generally outlined in Section 3.1.1. The riprap used for this channel will be salvaged from the area at the downstream end of this section of the channel where it was deposited. Additional riprap and filter material will be hauled to the site and placed in the channel as needed during reconstruction. Topsoil will be worked into the riprap after it is placed, areas adjacent to the channel will be regraded as needed to blend into the adjacent topography, and the affected area will be revegetated as outlined in Section 3.1.2.

WCRD-5B was constructed as a trapezoidal channel with a 4-foot bottom width, a minimum depth of 0.88 foot, and 1.9:1 side slopes. This channel was unlined. Since sediment from the upstream area has accumulated in this channel, the repair process will involve removal of the sediment and reconstruction of the original channel cross section. The sediment removed from this channel will be combined with the topsoil that is worked into the riprap installed in channel WCRD-5A.

3.4 ADDITIONAL REPAIR WORK

The culvert at the downstream end of channel WCRD-4 (culvert WCRC-2) is approximately half full of cobbles and coarse gravel that washed down from the erosion of WCRD-4. This culvert will be cleaned, as part of the repair work, to restore its hydraulic capacity.

0 4 MILES

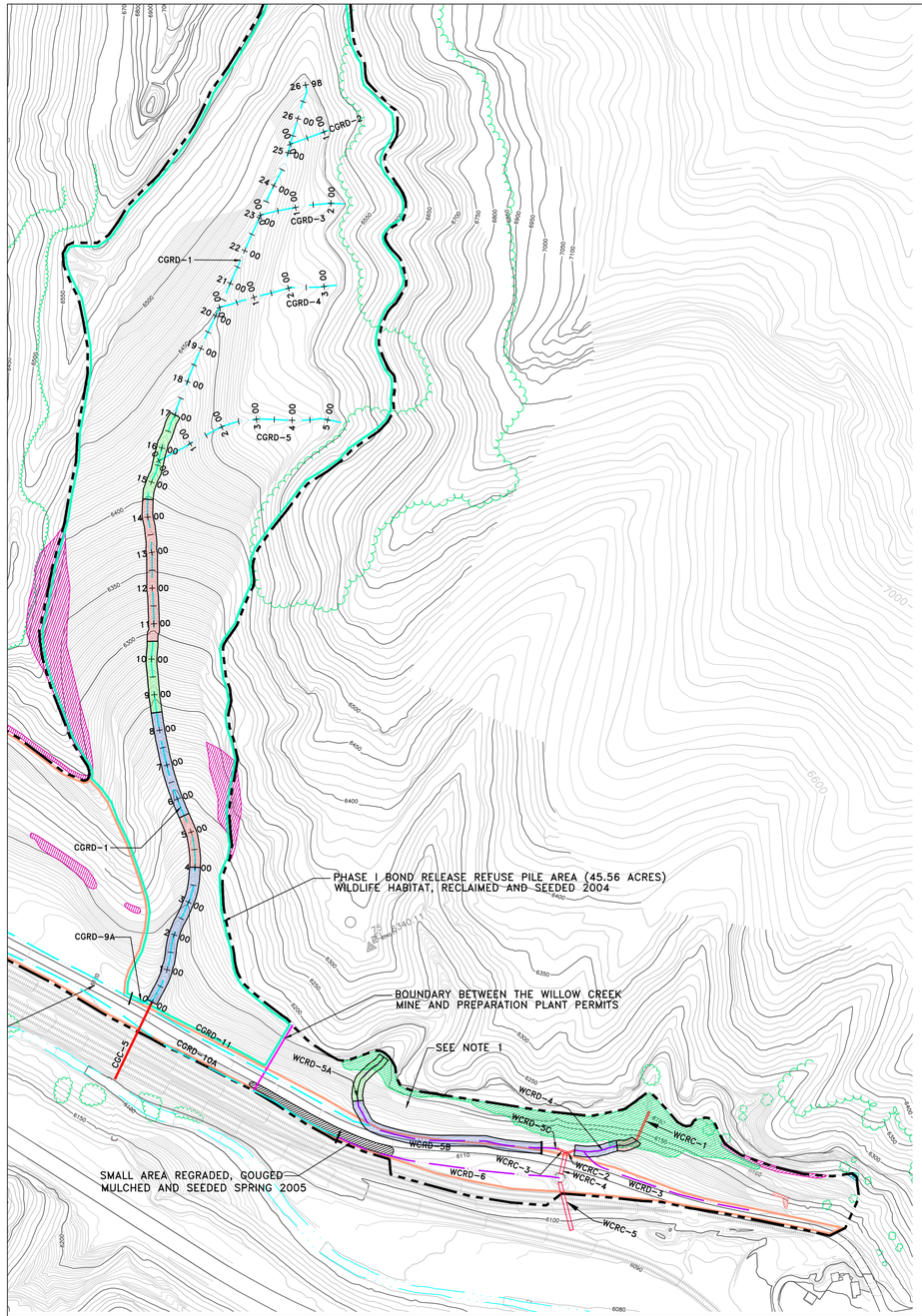
FIGURE 1. LOCATIONS OF AREA PRECIPITATION GAGES

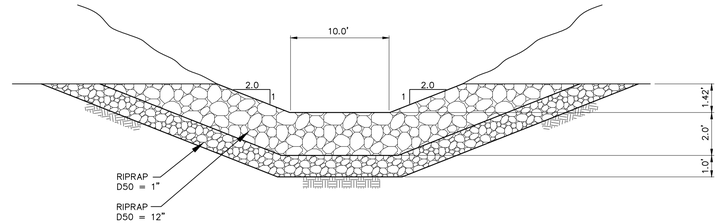
EarthFax

G:\UC709\38 - WC refuse pile channel repair\DWG\FIGURE 1.dwg, 9/27/2013 8:42:17 AM

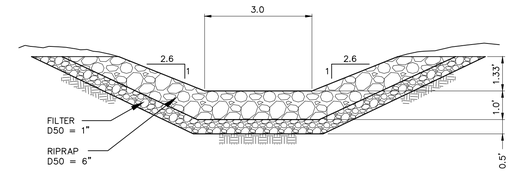
FIGURE 2. PHOTOGRAPH OF HIGH WATER MARK IN CGRD–1.

EarthFax

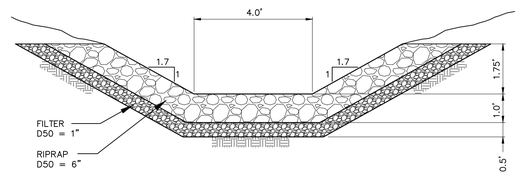




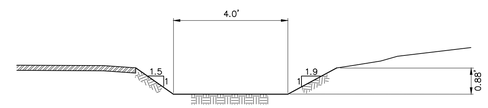
CGRD-1
NTS



WCRD-4
NTS



WCRD-5A
NTS



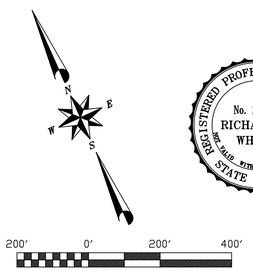
WCRD-5B
NTS

NOTES:

1. DIMENSIONS INDICATED ON THE PLAN ARE FOR REFERENCE ONLY.
2. DIMENSIONS SHOWN ON THE CROSS SECTION REPRESENT THE MINIMUM REQUIRED. ALL CHANNEL REPAIRS SHALL BLEND SMOOTHLY ON THE UP-AND DOWNSTREAM ENDS WITH THE EXISTING CHANNEL.
3. RIPRAP AND OTHER MATERIAL SALVAGED FROM THE SITE MAY BE SUITABLE FOR RE-USE. IN SALVAGING MATERIAL, THE CONTRACTOR SHALL MINIMIZE DISTURBANCE TO AREAS OUTSIDE OF THE CHANNEL REPAIR LIMITS. NO TOPSOIL OR VEGETATION SHALL BE REMOVED IN SALVAGE OPERATIONS. ALL AREAS DISTURBED BY SALVAGE OPERATIONS SHALL BE RE-SEEDED AND FERTILIZED.
4. ALL PORTIONS OF THE CHANNELS NOT DESIGNATED FOR REPAIR SHALL BE RETURNED TO THEIR APPROXIMATE PRE-PROJECT CONDITION BEFORE THE PROJECT SHALL BE DEEMED COMPLETE.

LEGEND	
	DISTURBED AREA BOUNDARY
	(CGRD-1) RECLAMATION CHANNEL
	(CGD-1) OPERATIONAL DRAINAGE DITCH RETAINED AFTER RECLAMATION
	(WCRD-1) WILLOW CREEK RECLAMATION DITCH
	INDUSTRIAL POSTMINING LAND USE BOUNDARY (46.2 ACRES)
	TRAIN LOADOUT AREA BOUNDARY (1.2 ACRES)
	REFUSE PILE AREA BOUNDARY (45.56 ACRES)
	(CGC-1) OPERATIONAL CULVERT RETAINED AFTER RECLAMATION
	(WCRC-1) WILLOW CREEK RECLAMATION CULVERT
	RETAINED PRE-SMCRA HIGHWALL
	RETAINED PRE-SMCRA CUTSLOPE
	PRE-SMCRA DISTURBANCE
	RETAINED POST-SMCRA CUT SLOPE

LEGEND FOR AFFECTED CHANNELS	
	CONTINUOUSLY ERODED CHANNEL SECTION TO BE REPAIRED
	POT-HOLED CHANNEL SECTION TO BE REPAIRED
	AREA OF DEPOSITION (MATERIAL MAY BE SALVAGED)



REGISTERED PROFESSIONAL ENGINEER
No. 168246
RICHARD B. WHITE
NOT VALID WITHOUT A SIGNATURE
STATE OF UTAH

XREF'S

G:\UC709\23\DWG\BASE-WCREEK.DWG
G:\UC709\23\DWG\BASE-20CUT.DWG

EarthFax Engineering, Inc.
Engineers/Scientists

REVISION/HISTORY

BY	DATE	DESCRIPTION
DW	NOV. 2005	ADD BOUNDARY
1		
2		
3		
4		
5		
6		
7		
8		

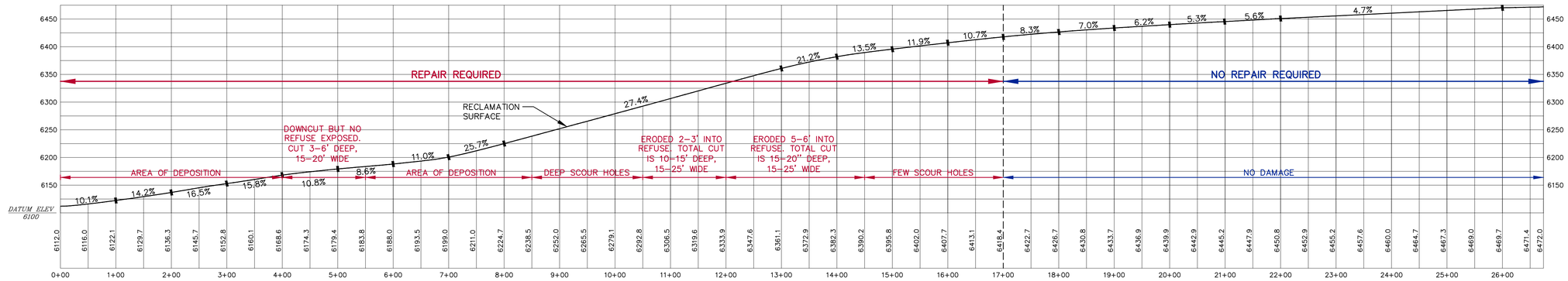
PLATEAU MINING CORPORATION

847 NW HIGHWAY 191 HELPER, UTAH 84526
PHONE: (435) 472-0475

TITLE: WILLOW CREEK MINE
CHANNELS CGRD-1, WCRD-4, AND WCRD-5 PLAN AND CROSS-SECTIONS

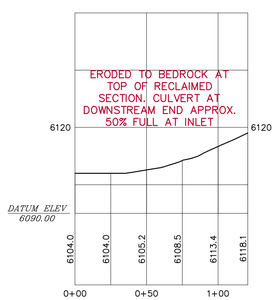
DRAWN BY: SWF DATE: SEP 2013
CHECKED BY: RBW DATE: SEP 2013
DRAWING NO. G:\UC709\38-WC REFUSE PILE CHANEL REPAIR\DWG\PLATE 1.DWG

PLATE 1



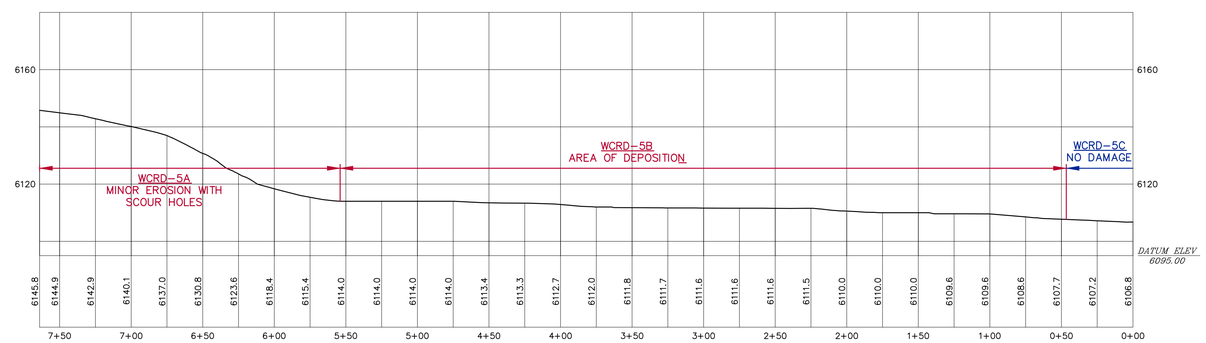
CGRD–1 CHANNEL PROFILE

SCALE: 1"=100'
HORZ. AND VERT.



WCRD–4 CHANNEL PROFILE

HORIZONTAL SCALE: 1"=50'
VERTICAL SCALE: 1"=25'



WCRD–5A, 5B AND 5C CHANNEL PROFILE

HORIZONTAL SCALE: 1"=50'
VERTICAL SCALE: 1"=25'

LEGEND

NOTES:

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NOT VALID WITHOUT A SIGNATURE
STATE OF UTAH

XREF'S

EarthFax Engineering, Inc.
Engineers/Scientists

REVISION/HISTORY

BY	DATE	DESCRIPTION
1		
2		
3		
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8		

PLATEAU MINING CORPORATION

847 NW HIGHWAY 191 HELPER, UTAH 84526
PHONE: (435) 472-0475

TITLE: WILLOW CREEK MINE
PROFILES OF AFFECTED RECLAMATION CHANNELS

DRAWN BY: SWF DATE: SEP 2013
CHECKED BY: RBW DATE: SEP 2013
DRAWING NO. G:\UC709\38-WC REFUSE PILE CHANEL REPAIR\DWG\PLATE 2.DWG

PLATE 2

ATTACHMENT A

Precipitation Data

NOAA Atlas 14, Volume 1, Version 5
Location name: Helper, Utah, US*
Coordinates: 39.7383, -110.8648
Elevation: 6455 ft*
* source: Google Maps

POINT PRECIPITATION FREQUENCY ESTIMATES

Sanja Perica, Sarah Dietz, Sarah Heim, Lillian Hiner, Kazungu Maitaria, Deborah Martin, Sandra Pavlovic, Ishani Roy, Carl Trypaluk, Dale Unruh, Fenglin Yan, Michael Yekta, Tan Zhao, Geoffrey Bonnin, Daniel Brewer, Li-Chuan Chen, Tye Parzybok, John Yarchoan

NOAA, National Weather Service, Silver Spring, Maryland

PF_tabular | PF_graphical | Maps_&_aerials

PF tabular

PDS-based point precipitation frequency estimates with 90% confidence intervals (in inches)[1]

Duration	Average recurrence interval (years)									
	1	2	5	10	25	50	100	200	500	1000
5-min	0.131 (0.112-0.157)	0.168 (0.145-0.202)	0.231 (0.197-0.276)	0.286 (0.242-0.343)	0.372 (0.307-0.447)	0.449 (0.363-0.541)	0.538 (0.425-0.651)	0.642 (0.491-0.783)	0.806 (0.589-1.00)	0.955 (0.671-1.20)
10-min	0.199 (0.171-0.239)	0.256 (0.220-0.308)	0.351 (0.299-0.420)	0.435 (0.369-0.522)	0.566 (0.467-0.681)	0.683 (0.552-0.823)	0.819 (0.648-0.990)	0.977 (0.747-1.19)	1.23 (0.896-1.52)	1.45 (1.02-1.83)
15-min	0.247 (0.212-0.296)	0.317 (0.273-0.381)	0.435 (0.371-0.521)	0.539 (0.457-0.647)	0.702 (0.579-0.844)	0.847 (0.684-1.02)	1.01 (0.803-1.23)	1.21 (0.927-1.48)	1.52 (1.11-1.89)	1.80 (1.26-2.27)
30-min	0.333 (0.285-0.399)	0.427 (0.368-0.513)	0.586 (0.499-0.702)	0.726 (0.616-0.871)	0.945 (0.780-1.14)	1.14 (0.921-1.37)	1.37 (1.08-1.65)	1.63 (1.25-1.99)	2.05 (1.50-2.54)	2.42 (1.70-3.06)
60-min	0.412 (0.353-0.494)	0.528 (0.455-0.635)	0.725 (0.618-0.868)	0.898 (0.762-1.08)	1.17 (0.965-1.41)	1.41 (1.14-1.70)	1.69 (1.34-2.05)	2.02 (1.54-2.46)	2.54 (1.85-3.15)	3.00 (2.11-3.79)
2-hr	0.492 (0.426-0.580)	0.620 (0.539-0.732)	0.822 (0.709-0.971)	1.00 (0.860-1.19)	1.30 (1.08-1.54)	1.56 (1.27-1.86)	1.86 (1.48-2.24)	2.22 (1.71-2.68)	2.79 (2.05-3.43)	3.31 (2.35-4.16)
3-hr	0.555 (0.486-0.646)	0.694 (0.609-0.809)	0.891 (0.779-1.04)	1.07 (0.931-1.25)	1.36 (1.16-1.59)	1.61 (1.34-1.89)	1.91 (1.56-2.26)	2.26 (1.79-2.70)	2.84 (2.17-3.46)	3.37 (2.48-4.18)
6-hr	0.709 (0.628-0.807)	0.875 (0.779-1.00)	1.09 (0.961-1.24)	1.27 (1.12-1.45)	1.53 (1.33-1.75)	1.76 (1.51-2.03)	2.05 (1.73-2.39)	2.38 (1.97-2.80)	2.94 (2.37-3.53)	3.46 (2.72-4.21)
12-hr	0.878 (0.794-0.983)	1.08 (0.980-1.21)	1.32 (1.19-1.48)	1.52 (1.36-1.71)	1.80 (1.59-2.03)	2.03 (1.77-2.30)	2.27 (1.96-2.59)	2.57 (2.19-2.96)	3.12 (2.60-3.63)	3.62 (2.96-4.28)
24-hr	1.11 (0.998-1.25)	1.38 (1.23-1.54)	1.68 (1.50-1.88)	1.91 (1.70-2.14)	2.23 (1.97-2.48)	2.47 (2.18-2.75)	2.71 (2.38-3.03)	2.96 (2.57-3.32)	3.28 (2.82-3.69)	3.66 (3.01-4.33)
2-day	1.32 (1.20-1.46)	1.64 (1.48-1.80)	1.99 (1.80-2.19)	2.27 (2.05-2.50)	2.65 (2.38-2.92)	2.94 (2.62-3.24)	3.24 (2.87-3.58)	3.54 (3.10-3.93)	3.93 (3.40-4.40)	4.23 (3.62-4.76)
3-day	1.45 (1.31-1.59)	1.79 (1.63-1.97)	2.18 (1.97-2.40)	2.50 (2.25-2.74)	2.92 (2.62-3.21)	3.24 (2.89-3.56)	3.57 (3.16-3.94)	3.90 (3.42-4.32)	4.35 (3.75-4.84)	4.68 (4.00-5.25)
4-day	1.57 (1.43-1.73)	1.95 (1.77-2.15)	2.38 (2.15-2.61)	2.72 (2.45-2.98)	3.19 (2.85-3.49)	3.54 (3.15-3.89)	3.90 (3.45-4.31)	4.27 (3.74-4.72)	4.76 (4.11-5.29)	5.13 (4.37-5.74)
7-day	1.88 (1.69-2.10)	2.33 (2.09-2.60)	2.85 (2.55-3.17)	3.27 (2.92-3.63)	3.83 (3.39-4.25)	4.26 (3.75-4.74)	4.70 (4.11-5.25)	5.14 (4.45-5.77)	5.74 (4.90-6.50)	6.19 (5.22-7.07)
10-day	2.16 (1.93-2.41)	2.69 (2.40-3.00)	3.28 (2.92-3.65)	3.75 (3.33-4.17)	4.36 (3.86-4.85)	4.84 (4.26-5.38)	5.31 (4.64-5.92)	5.79 (5.03-6.47)	6.40 (5.51-7.22)	6.88 (5.87-7.80)
20-day	2.73 (2.47-3.05)	3.40 (3.08-3.80)	4.18 (3.78-4.67)	4.80 (4.31-5.36)	5.61 (5.00-6.27)	6.22 (5.52-6.97)	6.85 (6.01-7.67)	7.47 (6.50-8.39)	8.29 (7.12-9.38)	8.91 (7.56-10.1)
30-day	3.33 (2.99-3.71)	4.15 (3.72-4.63)	5.05 (4.52-5.62)	5.75 (5.12-6.40)	6.66 (5.88-7.43)	7.33 (6.43-8.19)	8.00 (6.97-8.95)	8.65 (7.50-9.72)	9.49 (8.13-10.7)	10.1 (8.58-11.5)
45-day	4.05 (3.65-4.53)	5.03 (4.53-5.62)	6.13 (5.50-6.85)	6.98 (6.24-7.78)	8.08 (7.18-9.02)	8.89 (7.86-9.93)	9.71 (8.54-10.9)	10.5 (9.16-11.8)	11.5 (9.95-13.0)	12.3 (10.5-13.9)
60-day	4.72 (4.26-5.25)	5.88 (5.30-6.54)	7.18 (6.47-7.96)	8.17 (7.34-9.05)	9.45 (8.45-10.5)	10.4 (9.24-11.5)	11.3 (10.0-12.6)	12.2 (10.7-13.6)	13.4 (11.6-15.0)	14.2 (12.3-16.1)

[1] Precipitation frequency (PF) estimates in this table are based on frequency analysis of partial duration series (PDS).

Numbers in parenthesis are PF estimates at lower and upper bounds of the 90% confidence interval. The probability that precipitation frequency estimates (for a given duration and average recurrence interval) will be greater than the upper bound (or less than the lower bound) is 5%. Estimates at upper bounds are not checked against probable maximum precipitation (PMP) estimates and may be higher than currently valid PMP values.

Please refer to NOAA Atlas 14 document for more information.

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PF graphical

Subject: Carbon Power Plant Weather Station Data
From: Dennis Ware <dware@alphanr.com>
Date: 9/17/2013 4:42 PM
To: Richard White <rbwhite@earthfax.com>

Rich,

My contact at the Carbon Power Plant is Mike Ponzini. His phone number is 435-472-7250. Mike tells me that they gather their rainfall numbers from 6:00 a.m. to 6:00 a.m. The data he provided to me is as follows:

6:00 a.m. Tue Sept 10 to 6:00 a.m. Wed Sept 11 1.14 inches
6:00 a.m. Wed Sept 11 to 6:00 a.m. Thu Sept 12 0.02 inches
6:00 a.m. Thu Sept 12 to 6:00 a.m. Fri Sept 13 0.00 inches
6:00 a.m. Fri Sept 13 to 6:00 a.m. Sat Sept 14 1.18 inches
6:00 a.m. Sat Sept 14 to 6:00 a.m. Sun Sept 15 0.12 inches

While we do not know for sure when the damage on our permit site took place it was likely a result of the Friday to Saturday morning event as this is the event that the Carbon Plant believes caused the damage to their ash pile.

I will contact PRWID and see if they have any data, if they do I will forward it to you.

Thanks for your timely visit today and I look forward to working with you on this project.

Dennis

~ 10 mi SE of
Willow Creek Mine

Past Weather Conditions for KPUC

Observations prior to selected time: September 11, 2013 - 06:00 MDT

Weather Conditions at September 11, 2013 - 6:00 MDT

Graphical Links	With Prior Obs	6:00	24 Hour Max	24 Hour Min
Temperature	Temperature	57.2° F	69.1 at 13:53	55.9 at 1:53
Dew Point	Dew Point	53.6° F	57.2 at 15:33	53.1 at 3:53
Wet Bulb Temperature	Wet Bulb Temperature	54.9° F	61.0 at 13:53	54.6 at 3:53
Relative Humidity	Relative Humidity	88%	94 at 23:23	63 at 12:53
Wind Speed	Wind Speed	3 mph from NW	12 at 16:53	0 at 10:53
Wind Gust	Wind Gust	-	23 at 23:00	20 at 16:53
Pressure	Pressure	24.25 in	24.25 at 2:53	24.17 at 6:53
Sea level pressure	Sea level pressure	-	30.02 at 2:53	29.92 at 13:53
Altimeter	Altimeter	30.17 in	30.18 at 2:53	30.07 at 6:53
1500 m Pressure	1500 m Pressure	25.17in	25.18 at 2:53	25.09 at 6:53
Weather conditions	Weather conditions	overcast	-	-
Visibility	Visibility	10.00 miles	10.00 at 6:53	1.50 at 1:27
Ceiling	Ceiling	2500 feet	10000 at 4:53	1800 at 23:00

Precipitation variable accumulated	Since Midnight	In 24 Hours
Precipitation 1hr	0.681"	0.761"
Precipitation 6hr	0.68"	0.76"

Tabular Listing: September 10, 2013 - 6:00 through September 11, 2013 - 06:00 MDT

Time(MDT)	Temperature	Dew Point	Wet Bulb Temperature	Relative Humidity	Wind Speed	Wind Gust	Wind Direction	Quality check	Pressure	Sea level pressure	Altimeter	1500 m Pressure	Weather conditions	Visibility	Precipitation 1hr	Precipitation 3hr	Precipitation 6hr	Precipitation 24hr	Ceiling
	° F	° F	° F	%	mph	mph			in	in	in	in		miles	in	in	in	in	feet
6:00	57.2	53.6	54.9	88	3		NW	OK	24.25		30.17	25.17	overcast	10.00					2500
5:53	55.9	54.0	54.7	93	3		NW	OK	24.25	30.02	30.17	25.17	overcast	10.00			0.68	0.76	4300
4:53	55.9	54.0	54.7	93	3		WSW	OK	24.24	30.00	30.16	25.17	overcast	10.00					10000
3:53	57.0	53.1	54.6	87	7		NE	OK	24.23	29.99	30.15	25.16	overcast	10.00	0.170				8000
2:53	57.0	55.0	55.8	93	8		ENE	OK	24.25	30.02	30.18	25.18	mod rain, fog	5.00	0.160	0.51			7000
1:53	55.9	54.0	54.7	93	7		WSW	OK	24.24	30.00	30.16	25.17	hvy rain, fog	3.00	0.350				3600

1:43	57.2	55.4	56.1	94	8		SW	OK	24.24		30.16	25.17	mod rain, fog	3.00	0.310		2100
1:27	57.2	55.4	56.1	94	8		SSW	OK	24.24		30.16	25.17	hvy rain, fog	1.50	0.210		1900
1:19	57.2	55.4	56.1	94	9		SW	OK	24.23		30.15	25.16	hvy rain, fog	2.50	0.110		2700
0:53	57.9	54.0	55.4	87	6		WNW	OK	24.22	29.98	30.14	25.15	lt rain	10.00	0.001		7500
0:50	57.2	53.6	54.9	88	5		WNW	OK	24.22		30.14	25.15	lt rain	10.00	0.001		7500
0:35	57.2	55.4	56.1	94	6		NW	OK	24.23		30.15	25.16	thunder	10.00	0.001		7000
0:26	57.2	53.6	54.9	88	5		NW	OK	24.23		30.15	25.16	overcast	10.00	0.001		7000
0:01	57.2	55.4	56.1	94	8		N	OK	24.24		30.16	25.17	lt rain	10.00	0.001		2400
23:53	57.9	55.0	56.1	90	5		N	OK	24.24	30.01	30.16	25.17	lt rain	8.00	0.070	0.08	3400
23:42	57.2	55.4	56.1	94	0			OK	24.24		30.16	25.17	lt rain	7.00	0.060		7000
23:23	57.2	55.4	56.1	94	7		WNW	OK	24.23		30.15	25.16	lt rain thunder shwr	10.00	0.050		3000
23:00	59.0	55.4	56.7	88	10	23	SSW	OK	24.24		30.16	25.17	lt rain thunder shwr	10.00	0.010		1800
22:53	60.1	57.0	58.1	90	9		S	OK	24.24	30.01	30.16	25.17	lt rain thunder shwr	10.00	0.010		3800
22:36	60.8	55.4	57.3	82	3		N	OK	24.23		30.15	25.16	thunder	10.00	0.010		5500
21:53	63.0	55.0	57.8	75	0			OK	24.22	29.98	30.14	25.15	overcast	10.00			4600
20:53	64.0	54.0	57.5	70	7		NNE	OK	24.21	29.96	30.12	25.13	overcast	10.00			5000
19:53	64.0	55.0	58.2	73	9		NNE	OK	24.19	29.94	30.10	25.12	partly cloudy	10.00			
18:53	66.9	55.0	59.1	66	8		NE	OK	24.19	29.93	30.10	25.12	mostly cloudy	10.00			8500
17:53	66.0	55.0	58.8	68	10		NNE	OK	24.18	29.93	30.09	25.11	partly cloudy	10.00			
16:53	66.9	55.0	59.1	66	12	20	NNE	OK	24.18	29.92	30.09	25.11	overcast	10.00			3000
16:20	68.0	55.4	59.7	64	3		SSE	OK	24.18		30.09	25.11	overcast	10.00			2800
15:53	66.9	55.0	59.1	66	7		SSW	OK	24.19	29.93	30.10	25.12	partly	10.00			

												cloudy						
15:41	68.0	55.4	59.7	64	7	S	OK	24.18		30.09	25.11	mostly cloudy	10.00					3900
15:33	68.0	57.2	60.8	68	7	SSE	OK	24.19		30.10	25.12	mostly cloudy	10.00					2800
14:53	66.0	55.9	59.4	70	8	SSE	OK	24.19	29.93	30.10	25.12	overcast	10.00					4000
14:17	66.2	55.4	59.1	68	7	SSE	OK	24.19		30.10	25.12	overcast	10.00					9500
13:53	69.1	57.0	61.0	65	7		OK	24.20	29.92	30.11	25.12	mostly cloudy	10.00					2500
12:53	66.9	54.0	58.5	63	6	NE	OK	24.20	29.93	30.11	25.12	overcast	10.00					4600
11:53	64.9	55.0	58.5	70	3	E	OK	24.21	29.95	30.12	25.13	overcast	10.00					4800
10:53	63.0	57.0	59.0	81	0		OK	24.21	29.95	30.12	25.13	overcast	10.00					3800
9:53	60.1	57.0	58.1	90	5	SSE	OK	24.20	29.96	30.11	25.12	overcast	10.00					5000
8:53	60.1	57.0	58.1	90	5	ESE	OK	24.19	29.94	30.10	25.12	overcast	10.00					5000
7:53	59.0	55.4	56.7	88	6	N	OK	24.17	29.93	30.08	25.10	overcast	10.00					5500
6:53	57.9	55.0	56.1	90	6	NW	OK	24.17	29.93	30.07	25.09	overcast	10.00					7000
5:53	57.9	55.9	56.7	93	5	NW	OK	24.17	29.93	30.08	25.10	overcast	10.00	0.040		0.11	0.31	6000

Past Weather Conditions for KPUC

Observations prior to selected time: September 12, 2013 - 06:00 MDT

Weather Conditions at September 12, 2013 - 6:00 MDT

Graphical Links	With Prior Obs	6:00	24 Hour Max	24 Hour Min
Temperature	Temperature	57.2° F	73.9 at 15:50	57.0 at 6:53
Dew Point	Dew Point	51.8° F	57.2 at 12:40	48.2 at 23:10
Wet Bulb Temperature	Wet Bulb Temperature	53.8° F	61.9 at 12:40	53.5 at 4:50
Relative Humidity	Relative Humidity	82%	89 at 6:53	44 at 16:30
Wind Speed	Wind Speed	5 mph from E	17 at 16:55	0 at 7:53
Wind Gust	Wind Gust	-	20 at 16:53	16 at 12:05
Pressure	Pressure	24.26 in	24.28 at 10:53	24.23 at 18:50
Sea_level pressure	Sea_level pressure	-	30.05 at 10:53	29.97 at 15:50
Altimeter	Altimeter	30.19 in	30.21 at 10:53	30.15 at 18:50
1500_m Pressure	1500_m Pressure	25.19in	25.21 at 10:53	25.16 at 18:50
Weather conditions	Weather conditions	mostly clear	-	-
Visibility	Visibility	10.00 miles	10.00 at 6:00	6.00 at 22:55
Ceiling	Ceiling	-	11000 at 23:15	2200 at 11:45

Precipitation variable accumulated	Since Midnight	In 24 Hours
Precipitation 1hr	0.00"	0.031"
Precipitation 6hr	0.00"	0.06"

Tabular Listing: September 11, 2013 - 6:00 through September 12, 2013 - 06:00 MDT

Time(MDT)	Temperature	Dew Point	Wet Bulb Temperature	Relative Humidity	Wind Speed	Wind Gust	Wind Direction	Quality check	Pressure	Sea level pressure	Altimeter	1500 m Pressure	Weather conditions	Visibility	Precipitation 1hr	Precipitation 6hr	Precipitation 24hr	Ceiling
	° F	° F	° F	%	mph	mph			in	in	in	in		miles	in	in	in	feet
6:00	57.2	51.8	53.8	82	5		E	OK	24.26		30.19	25.19	mostly clear	10.00				
5:55	57.2	51.8	53.8	82	5		E	OK	24.26		30.19	25.19	mostly clear	10.00				
5:53	59.0	51.8	54.5	77	6		E	OK	24.26	30.01	30.19	25.19	mostly clear	10.00			0.03	
5:50	59.0	52.0	54.6	78	7		E	OK	24.26	30.01	30.19	25.19	clear	10.00			0.03	
5:45	59.0	51.8	54.5	77	7		ENE	OK	24.26		30.19	25.19	mostly clear	10.00				
5:35	59.0	51.8	54.5	77	9		NNE	OK	24.25		30.18	25.18	partly cloudy	10.00				
5:25	59.0	51.8	54.5	77	6		N	OK	24.25		30.18	25.18	mostly cloudy	10.00				4600
5:15	60.8	51.8	55.1	72	9		NNE	OK	24.26		30.19	25.19	overcast	10.00				4600

5:10	59.0	51.8	54.5	77	10	NNE	OK	24.26		30.19	25.19	mostly cloudy	10.00	4600
5:05	59.0	50.0	53.5	72	9	NNE	OK	24.26		30.19	25.19	mostly cloudy	10.00	4600
5:00	59.0	50.0	53.5	72	7	N	OK	24.26		30.19	25.19	mostly cloudy	10.00	4800
4:55	59.0	50.0	53.5	72	6	N	OK	24.26		30.19	25.19	mostly cloudy	10.00	4800
4:53	59.0	50.0	53.5	72	5	NNW	OK	24.26	30.01	30.19	25.19	mostly cloudy	10.00	4800
4:50	59.0	50.0	53.5	72	6	NNW	OK	24.26	30.01	30.19	25.19	mostly cloudy	10.00	4800
4:45	59.0	51.8	54.5	77	8	NW	OK	24.26		30.19	25.19	mostly cloudy	10.00	6000
4:40	59.0	51.8	54.5	77	6	WNW	OK	24.27		30.20	25.20	mostly cloudy	10.00	5000
4:30	60.8	51.8	55.1	72	10	SW	OK	24.27		30.20	25.20	overcast	10.00	5000
4:20	60.8	51.8	55.1	72	10	W	OK	24.26		30.19	25.19	overcast	10.00	5000
4:15	59.0	53.6	55.6	82	8	WNW	OK	24.26		30.19	25.19	overcast	10.00	5000
4:10	60.8	53.6	56.2	77	6	NW	OK	24.26		30.19	25.19	mostly cloudy	10.00	7000
4:00	59.0	51.8	54.5	77	10	NW	OK	24.26		30.19	25.19	thunder	10.00	5500
3:55	57.2	51.8	53.8	82	7	NNW	OK	24.26		30.19	25.19	thunder	10.00	5500
3:53	59.0	51.8	54.5	77	5	NNW	OK	24.26	30.00	30.19	25.19	thunder	10.00	
3:50	59.0	52.0	54.6	78	5	NNW	OK	24.26	29.99	30.19	25.19	thunder	10.00	
3:45	57.2	51.8	53.8	82	6	NNW	OK	24.25		30.18	25.18	thunder	10.00	
3:40	57.2	53.6	54.9	88	7	NNW	OK	24.25		30.18	25.18	thunder	10.00	
3:35	57.2	53.6	54.9	88	5	NW	OK	24.25		30.18	25.18	thunder	10.00	6500
3:30	57.2	53.6	54.9	88	3	W	OK	24.26		30.19	25.19	thunder	10.00	6000
3:25	57.2	53.6	54.9	88	3	WSW	OK	24.26		30.19	25.19	thunder	10.00	6500
3:20	57.2	53.6	54.9	88	5	SW	OK	24.26		30.19	25.19	thunder	10.00	6500
3:15	57.2	53.6	54.9	88	7	SSW	OK	24.26		30.19	25.19	thunder	10.00	5000
3:10	57.2	53.6	54.9	88	5	SW	OK	24.26		30.19	25.19	thunder	10.00	6000
3:08	57.2	53.6	54.9	88	5	WSW	OK	24.26		30.19	25.19	thunder	10.00	
3:05	57.2	53.6	54.9	88	5	W	OK	24.26		30.19	25.19	thunder	10.00	
3:00	59.0	51.8	54.5	77	6	N	OK	24.26		30.19	25.19	mostly clear	10.00	
2:53	59.0	53.6	55.6	82	8	NNE	OK	24.25	29.99	30.18	25.18	mostly clear	10.00	
2:50	59.0	52.0	54.6	78	9	NNE	OK	24.25	29.99	30.18	25.18	clear	10.00	
2:45	59.0	51.8	54.5	77	9	NNE	OK	24.25		30.18	25.18	mostly clear	10.00	
2:40	57.2	51.8	53.8	82	8	NNE	OK	24.25		30.18	25.18	mostly clear	10.00	
2:30	59.0	51.8	54.5	77	5	N	OK	24.25		30.18	25.18	mostly clear	10.00	
2:25	59.0	51.8	54.5	77	5	N	OK	24.25		30.18	25.18	mostly clear	10.00	

2:20	59.0	51.8	54.5	77	3	N	OK	24.25		30.18	25.18	mostly clear	10.00			
2:15	59.0	51.8	54.5	77	3	N	OK	24.25		30.18	25.18	mostly clear	10.00			
2:10	57.2	51.8	53.8	82	5	N	OK	24.25		30.18	25.18	mostly clear	10.00			
2:05	57.2	51.8	53.8	82	6	N	OK	24.25		30.18	25.18	partly cloudy	10.00			
2:00	57.2	51.8	53.8	82	7	N	OK	24.25		30.18	25.18	partly cloudy	10.00			
1:55	57.2	53.6	54.9	88	7	N	OK	24.25		30.18	25.18	mostly cloudy	10.00			9000
1:53	57.9	53.1	54.9	84	6	N	OK	24.25	30.00	30.18	25.18	mostly cloudy	10.00			9000
1:50	57.9	53.1	54.9	84	6	N	OK	24.25	29.99	30.18	25.18	mostly cloudy	10.00			9000
1:45	59.0	51.8	54.5	77	5	NNW	OK	24.26		30.19	25.19	overcast	10.00			7000
1:35	59.0	51.8	54.5	77	0		OK	24.26		30.19	25.19	mostly cloudy	10.00			5500
1:30	57.2	51.8	53.8	82	3	NW	OK	24.26		30.19	25.19	mostly cloudy	10.00			6000
1:25	57.2	51.8	53.8	82	3	WNW	OK	24.26		30.19	25.19	mostly cloudy	10.00			8000
1:20	57.2	51.8	53.8	82	0		OK	24.26		30.19	25.19	mostly cloudy	10.00			8000
1:15	57.2	51.8	53.8	82	6	NW	OK	24.26		30.19	25.19	mostly cloudy	10.00			8000
1:10	57.2	51.8	53.8	82	6	NW	OK	24.26		30.19	25.19	partly cloudy	10.00			
1:05	57.2	51.8	53.8	82	3	NW	OK	24.26		30.19	25.19	mostly clear	10.00			
1:00	57.2	51.8	53.8	82	3	NW	OK	24.26		30.19	25.19	partly cloudy	10.00			
0:55	57.2	51.8	53.8	82	6	WNW	OK	24.26		30.19	25.19	partly cloudy	10.00			
0:53	57.9	52.0	54.2	81	5	NW	OK	24.26	30.01	30.19	25.19	mostly clear	10.00			
0:50	57.9	52.0	54.2	81	6	NNW	OK	24.26	30.01	30.19	25.19	clear	10.00			
0:45	57.2	51.8	53.8	82	7	N	OK	24.25		30.18	25.18	clear	10.00			
0:40	57.2	51.8	53.8	82	7	N	OK	24.26		30.19	25.19	clear	10.00			
0:35	57.2	51.8	53.8	82	7	N	OK	24.26		30.19	25.19	mostly clear	10.00			
0:30	57.2	53.6	54.9	88	5	N	OK	24.26		30.19	25.19	partly cloudy	10.00			
0:25	57.2	53.6	54.9	88	6	N	OK	24.26		30.19	25.19	partly cloudy	10.00			
0:20	57.2	53.6	54.9	88	7	N	OK	24.26		30.19	25.19	partly cloudy	10.00			
0:15	59.0	53.6	55.6	82	7	NNE	OK	24.27		30.20	25.20	mostly cloudy	10.00			9500
0:10	59.0	53.6	55.6	82	6	NNE	OK	24.27		30.20	25.20	mostly cloudy	10.00			9500
0:00	60.8	53.6	56.2	77	6	NNE	OK	24.27		30.20	25.20	mostly cloudy	10.00			6000
23:55	60.8	51.8	55.1	72	5	NE	OK	24.27		30.20	25.20	mostly cloudy	10.00			6000
23:53	61.0	52.0	55.3	72	5	ENE	OK	24.27	30.02	30.20	25.20	mostly cloudy	10.00	0.020	0.03	6000
23:50	60.1	52.0	55.0	75	3	ENE	OK	24.27	30.02	30.20	25.20	partly cloudy	10.00	0.020	0.03	
23:45	57.2	53.6	54.9	88	0		OK	24.27		30.20	25.20	partly cloudy	10.00	0.020		

23:40	59.0	53.6	55.6	82	5	NNE	OK	24.27		30.20	25.20	mostly cloudy	10.00	0.020	6500
23:38	59.0	53.6	55.6	82	5	NNE	OK	24.27		30.20	25.20	mostly cloudy	10.00	0.020	6500
23:35	60.8	53.6	56.2	77	3	NNE	OK	24.27		30.20	25.20	mostly cloudy	10.00	0.020	6500
23:30	60.8	53.6	56.2	77	0		OK	24.27		30.20	25.20	thunder	10.00	0.020	11000
23:25	60.8	53.6	56.2	77	5	NNE	OK	24.27		30.20	25.20	thunder	10.00	0.020	
23:20	60.8	53.6	56.2	77	0		OK	24.27		30.20	25.20	thunder	10.00	0.020	11000
23:15	60.8	51.8	55.1	72	0		OK	24.27		30.20	25.20	lt rain thunder shwr	10.00	0.020	11000
23:10	62.6	48.2	53.8	59	0		OK	24.27		30.20	25.20	lt rain thunder shwr	10.00	0.020	8000
23:05	60.8	53.6	56.2	77	10	E	OK	24.27		30.20	25.20	lt rain thunder shwr	9.00	0.020	8000
23:00	60.8	55.4	57.3	82	10	NE	OK	24.27		30.20	25.20	lt rain thunder shwr	6.00	0.020	5500
22:55	60.8	55.4	57.3	82	8	ENE	OK	24.28		30.21	25.21	hvy rain thunder shwr	6.00	0.010	5500
22:53	62.1	55.0	57.5	78	9	E	OK	24.28	30.03	30.21	25.21	mod thunder shwr	8.00	0.010	5500
22:50	62.1	55.0	57.5	78	6	E	OK	24.28	30.04	30.21	25.21	thunder, lt rain	10.00	0.001	6500
22:45	62.6	55.4	57.9	77	3		OK	24.28		30.21	25.21	thunder	10.00		8000
22:40	62.6	53.6	56.8	72	0		OK	24.27		30.20	25.20	thunder	10.00		10000
22:35	62.6	53.6	56.8	72	5	NNE	OK	24.27		30.20	25.20	thunder	10.00		9000
22:30	62.6	53.6	56.8	72	5	N	OK	24.27		30.20	25.20	thunder	10.00		9000
22:20	62.6	53.6	56.8	72	5	N	OK	24.26		30.19	25.19	mostly cloudy	10.00		8500
22:15	62.6	53.6	56.8	72	3	N	OK	24.27		30.20	25.20	mostly cloudy	10.00		8500
22:10	62.6	53.6	56.8	72	3	N	OK	24.27		30.20	25.20	mostly cloudy	10.00		9000
22:05	62.6	53.6	56.8	72	5	N	OK	24.27		30.20	25.20	mostly cloudy	10.00		9000
22:00	62.6	53.6	56.8	72	6	N	OK	24.27		30.20	25.20	mostly cloudy	10.00		9000
21:55	62.6	53.6	56.8	72	3	NNW	OK	24.27		30.20	25.20	mostly cloudy	10.00		8500
21:53	62.1	54.0	56.9	75	0		OK	24.27	30.03	30.20	25.20	mostly cloudy	10.00	0.001	9000
21:50	62.1	54.0	56.9	75	0		OK	24.27	30.03	30.20	25.20	mostly cloudy	10.00	0.001	9000
21:45	62.6	53.6	56.8	72	0		OK	24.27		30.20	25.20	mostly cloudy	10.00	0.000	9000
21:40	62.6	53.6	56.8	72	0		OK	24.27		30.20	25.20	mostly cloudy	10.00	0.000	8000
21:35	62.6	53.6	56.8	72	0		OK	24.27		30.20	25.20	lt rain	10.00	0.000	8000
21:30	62.6	53.6	56.8	72	0		OK	24.27		30.20	25.20	lt rain	10.00	0.000	8500
21:25	62.6	53.6	56.8	72	3	SW	OK	24.27		30.20	25.20	lt rain	10.00	0.000	7500
21:20	64.4	53.6	57.4	68	0		OK	24.27		30.20	25.20	overcast	10.00		7500
21:15	64.4	53.6	57.4	68	0		OK	24.26		30.19	25.19	overcast	10.00		7500

21:10	64.4	53.6	57.4	68	5	SW	OK	24.26		30.19	25.19	overcast	10.00	9000
21:05	64.4	53.6	57.4	68	3	SW	OK	24.26		30.19	25.19	overcast	10.00	6000
21:00	64.4	53.6	57.4	68	5	SSW	OK	24.26		30.19	25.19	mostly cloudy	10.00	4900
20:55	64.4	51.8	56.4	64	5	S	OK	24.26		30.19	25.19	mostly cloudy	10.00	4900
20:53	64.0	52.0	56.4	65	5	S	OK	24.26	30.03	30.19	25.19	mostly cloudy	10.00	4900
20:50	64.0	52.0	56.4	65	6	SSW	OK	24.26	30.03	30.19	25.19	mostly cloudy	10.00	6000
20:45	66.2	51.8	57.0	60	3		OK	24.25		30.18	25.18	mostly cloudy	10.00	9000
20:40	64.4	51.8	56.4	64	6	NE	OK	24.25		30.18	25.18	mostly cloudy	7.00	9500
20:35	64.4	51.8	56.4	64	9	NE	OK	24.25		30.17	25.17	mostly cloudy	7.00	9000
20:30	64.4	51.8	56.4	64	9	NE	OK	24.25		30.17	25.17	mostly cloudy	10.00	9000
20:25	66.2	51.8	57.0	60	7	NE	OK	24.25		30.17	25.17	mostly cloudy	10.00	9000
20:20	66.2	51.8	57.0	60	8	NE	OK	24.25		30.17	25.17	mostly cloudy	10.00	9000
20:15	66.2	51.8	57.0	60	9	NE	OK	24.25		30.17	25.17	mostly cloudy	10.00	9000
20:10	66.2	51.8	57.0	60	10	NE	OK	24.25		30.17	25.17	mostly cloudy	10.00	9000
20:05	64.4	51.8	56.4	64	8	NE	OK	24.25		30.17	25.17	mostly cloudy	10.00	9000
20:00	64.4	51.8	56.4	64	6	ENE	OK	24.25		30.17	25.17	mostly cloudy	10.00	9000
19:55	66.2	51.8	57.0	60	7	ENE	OK	24.25		30.17	25.17	partly cloudy	10.00	
19:53	64.9	51.1	56.2	61	9	NE	OK	24.25	30.01	30.17	25.17	partly cloudy	10.00	
19:50	64.9	52.0	56.7	63	8	NE	OK	24.24	30.01	30.16	25.17	partly cloudy	10.00	
19:45	66.2	51.8	57.0	60	8	NE	OK	24.24		30.16	25.17	mostly cloudy	9.00	10000
19:35	66.2	51.8	57.0	60	9	NE	OK	24.24		30.16	25.17	overcast	10.00	10000
19:30	66.2	51.8	57.0	60	12	NE	OK	24.24		30.16	25.17	overcast	10.00	9500
19:25	66.2	51.8	57.0	60	12	NE	OK	24.24		30.16	25.17	overcast	10.00	9500
19:20	66.2	51.8	57.0	60	12	NE	OK	24.24		30.16	25.17	overcast	10.00	9500
19:15	66.2	51.8	57.0	60	12	NNE	OK	24.24		30.16	25.17	overcast	10.00	9500
19:10	66.2	51.8	57.0	60	10	NE	OK	24.24		30.16	25.17	overcast	10.00	9500
19:05	66.2	51.8	57.0	60	13	NNE	OK	24.23		30.15	25.16	overcast	10.00	9500
19:00	68.0	51.8	57.6	56	12	NE	OK	24.23		30.15	25.16	mostly cloudy	10.00	10000
18:55	68.0	51.8	57.6	56	12	NE	OK	24.23		30.15	25.16	mostly cloudy	10.00	10000
18:53	68.0	51.8	57.6	56	13	NE	OK	24.23	29.98	30.15	25.16	mostly cloudy	10.00	10000
18:50	68.0	51.1	57.2	55	12	NE	OK	24.23	29.99	30.15	25.16	mostly cloudy	10.00	10000
18:45	68.0	51.8	57.6	56	13	NE	OK	24.24		30.16	25.17	partly cloudy	10.00	
18:40	68.0	51.8	57.6	56	14	NE	OK	24.24		30.16	25.17	mostly clear	10.00	

18:35	68.0	51.8	57.6	56	13		NE	OK	24.24		30.16	25.17	clear	10.00	
18:30	68.0	51.8	57.6	56	12		NE	OK	24.24		30.16	25.17	clear	10.00	
18:25	68.0	51.8	57.6	56	16		NE	OK	24.24		30.16	25.17	clear	10.00	
18:20	68.0	51.8	57.6	56	15		NE	OK	24.24		30.16	25.17	clear	10.00	
18:15	69.8	51.8	58.2	53	16		NE	OK	24.24		30.16	25.17	clear	10.00	
18:10	69.8	51.8	58.2	53	17		NE	OK	24.24		30.16	25.17	clear	9.00	
18:05	69.8	51.8	58.2	53	15		NE	OK	24.24		30.16	25.17	clear	9.00	
18:00	69.8	51.8	58.2	53	16		NE	OK	24.24		30.16	25.17	clear	10.00	
17:55	69.8	51.8	58.2	53	16		NE	OK	24.24		30.16	25.17	clear	10.00	
17:53	70.0	52.0	58.4	53	17		NE	OK	24.24	30.00	30.16	25.17	clear	10.00	
17:50	70.0	52.0	58.4	53	15		NE	OK	24.24	30.00	30.16	25.17	clear	10.00	
17:45	69.8	51.8	58.2	53	15		ENE	OK	24.24		30.16	25.17	clear	10.00	
17:40	69.8	51.8	58.2	53	14		ENE	OK	24.24		30.16	25.17	mostly clear	10.00	
17:35	69.8	51.8	58.2	53	12		ENE	OK	24.24		30.16	25.17	mostly clear	10.00	
17:30	69.8	51.8	58.2	53	12		ENE	OK	24.24		30.16	25.17	partly cloudy	10.00	
17:25	69.8	51.8	58.2	53	13		ENE	OK	24.24		30.16	25.17	mostly cloudy	10.00	8500
17:20	69.8	51.8	58.2	53	15		NE	OK	24.24		30.16	25.17	mostly cloudy	10.00	7000
17:15	69.8	51.8	58.2	53	15		ENE	OK	24.24		30.16	25.17	overcast	10.00	7500
17:10	69.8	51.8	58.2	53	15		NE	OK	24.24		30.16	25.17	overcast	10.00	5000
17:05	69.8	51.8	58.2	53	13		NE	OK	24.24		30.16	25.17	overcast	10.00	5000
17:00	69.8	51.8	58.2	53	14		NE	OK	24.24		30.16	25.17	mostly cloudy	10.00	5000
16:55	69.8	51.8	58.2	53	17		NE	OK	24.24		30.16	25.17	mostly cloudy	10.00	5000
16:53	71.1	52.0	58.7	51	16	20	NE	OK	24.24	29.98	30.16	25.17	mostly cloudy	10.00	5000
16:50	71.1	51.1	58.2	49	9		ENE	OK	24.24	29.98	30.16	25.17	mostly cloudy	10.00	5000
16:45	71.6	51.8	58.8	50	7		E	OK	24.24		30.16	25.17	mostly cloudy	10.00	5000
16:40	71.6	51.8	58.8	50	6		SE	OK	24.24		30.16	25.17	mostly cloudy	10.00	10000
16:35	71.6	50.0	57.8	46	7		SE	OK	24.24		30.16	25.17	mostly cloudy	10.00	10000
16:30	73.4	50.0	58.4	44	8		SE	OK	24.24		30.16	25.17	mostly cloudy	10.00	10000
16:25	73.4	51.8	59.4	47	8		SE	OK	24.24		30.16	25.17	mostly cloudy	10.00	10000
16:20	73.4	51.8	59.4	47	8		SE	OK	24.24		30.16	25.17	mostly cloudy	10.00	10000
16:15	71.6	50.0	57.8	46	3		S	OK	24.24		30.16	25.17	mostly cloudy	10.00	10000
16:10	71.6	50.0	57.8	46	6		S	OK	24.24		30.16	25.17	mostly cloudy	10.00	10000
16:05	71.6	50.0	57.8	46	7		SSE	OK	24.24		30.16	25.17	overcast	10.00	10000

16:00	71.6	51.8	58.8	50	8		S	OK	24.24		30.16	25.17	overcast	10.00	10000
15:55	71.6	50.0	57.8	46	9		SSE	OK	24.24		30.16	25.17	overcast	10.00	10000
15:53	73.0	50.0	58.3	44	7		SSE	OK	24.25	29.98	30.17	25.17	mostly cloudy	10.00	10000
15:50	73.9	51.1	59.2	45	10		S	OK	24.25	29.97	30.17	25.17	overcast	10.00	10000
15:45	73.4	51.8	59.4	47	0			OK	24.25		30.17	25.17	overcast	10.00	10000
15:40	73.4	51.8	59.4	47	9		SSE	OK	24.25		30.17	25.17	mostly cloudy	10.00	10000
15:35	71.6	51.8	58.8	50	6		S	OK	24.25		30.17	25.17	mostly cloudy	10.00	10000
15:30	73.4	51.8	59.4	47	5			OK	24.25		30.17	25.17	mostly cloudy	10.00	6000
15:25	71.6	51.8	58.8	50	6		E	OK	24.25		30.17	25.17	mostly cloudy	10.00	6000
15:20	73.4	51.8	59.4	47	8		ESE	OK	24.25		30.17	25.17	mostly cloudy	10.00	6000
15:15	71.6	51.8	58.8	50	5			OK	24.25		30.17	25.17	mostly cloudy	10.00	6500
15:10	71.6	53.6	59.8	53	8		SE	OK	24.25		30.17	25.17	mostly cloudy	10.00	10000
15:05	71.6	51.8	58.8	50	12		SSE	OK	24.25		30.17	25.17	mostly cloudy	10.00	6500
15:00	73.4	51.8	59.4	47	12		S	OK	24.25		30.17	25.17	mostly cloudy	10.00	10000
14:55	73.4	51.8	59.4	47	6		SE	OK	24.25		30.17	25.17	mostly cloudy	10.00	10000
14:53	73.0	52.0	59.4	48	5		S	OK	24.25	29.99	30.17	25.17	mostly cloudy	10.00	10000
14:50	72.0	53.1	59.6	51	8		S	OK	24.25	29.99	30.17	25.17	mostly cloudy	10.00	10000
14:45	71.6	51.8	58.8	50	7		SE	OK	24.25		30.17	25.17	partly cloudy	10.00	
14:40	71.6	53.6	59.8	53	6		S	OK	24.25		30.17	25.17	partly cloudy	10.00	
14:35	71.6	53.6	59.8	53	12		S	OK	24.25		30.17	25.17	mostly cloudy	10.00	10000
14:30	71.6	53.6	59.8	53	9		SE	OK	24.25		30.18	25.18	mostly cloudy	10.00	10000
14:25	71.6	53.6	59.8	53	7		SSE	OK	24.25		30.18	25.18	partly cloudy	10.00	
14:20	71.6	53.6	59.8	53	9		SSE	OK	24.25		30.18	25.18	partly cloudy	10.00	
14:15	71.6	53.6	59.8	53	7		SSE	OK	24.25		30.18	25.18	partly cloudy	10.00	
14:10	71.6	53.6	59.8	53	12		S	OK	24.25		30.18	25.18	partly cloudy	10.00	
14:05	71.6	53.6	59.8	53	10	16	S	OK	24.25		30.18	25.18	mostly clear	10.00	
14:00	73.4	53.6	60.4	50	8	16	SSE	OK	24.25		30.18	25.18	partly cloudy	10.00	
13:55	71.6	55.4	60.8	57	10		SSE	OK	24.26		30.19	25.19	mostly clear	10.00	
13:53	72.0	54.0	60.1	53	12		SSE	OK	24.26	30.01	30.19	25.19	mostly clear	10.00	
13:45	71.6	55.4	60.8	57	13	18	SE	OK	24.26		30.19	25.19	thunder	10.00	
13:35	71.6	55.4	60.8	57	10		SSE	OK	24.26		30.19	25.19	thunder	10.00	
13:30	71.6	55.4	60.8	57	10		SSE	OK	24.26		30.19	25.19	thunder	10.00	
13:25	71.6	55.4	60.8	57	13		S	OK	24.26		30.19	25.19	thunder	10.00	6000

13:20	69.8	55.4	60.2	60	10		SSE	OK	24.26		30.19	25.19	thunder	10.00	
13:10	69.8	55.4	60.2	60	10		SE	OK	24.26		30.19	25.19	thunder	10.00	
13:09	69.8	55.4	60.2	60	9		SE	OK	24.26		30.19	25.19	thunder	10.00	
13:05	69.8	55.4	60.2	60	7		SE	OK	24.26		30.19	25.19	thunder	10.00	
13:00	69.8	57.2	61.3	64	7		ESE	OK	24.26		30.19	25.19	mostly clear	10.00	
12:55	69.8	55.4	60.2	60	7			OK	24.26		30.19	25.19	mostly clear	10.00	
12:53	70.0	55.9	60.6	61	6		ESE	OK	24.26	30.02	30.19	25.19	mostly clear	10.00	
12:50	69.1	55.9	60.3	63	8		ESE	OK	24.26	30.02	30.19	25.19	thunder	10.00	
12:45	69.8	55.4	60.2	60	10		ESE	OK	24.26		30.19	25.19	thunder	10.00	
12:42	69.8	57.2	61.3	64	9		SE	OK	24.26		30.19	25.19	thunder	10.00	
12:40	71.6	57.2	61.9	61	9		ESE	OK	24.26		30.19	25.19	thunder	10.00	
12:35	69.8	57.2	61.3	64	9		ESE	OK	24.27		30.20	25.20	mostly clear	10.00	
12:30	69.8	55.4	60.2	60	6		ESE	OK	24.27		30.20	25.20	mostly clear	10.00	
12:25	69.8	57.2	61.3	64	9		ESE	OK	24.27		30.20	25.20	mostly clear	10.00	
12:20	69.8	55.4	60.2	60	10		SE	OK	24.27		30.20	25.20	partly cloudy	10.00	
12:15	69.8	57.2	61.3	64	9		ESE	OK	24.27		30.20	25.20	partly cloudy	10.00	
12:14	69.8	57.2	61.3	64	8		ESE	OK	24.27		30.20	25.20	partly cloudy	10.00	
12:10	68.0	55.4	59.7	64	8	16	ESE	OK	24.27		30.20	25.20	partly cloudy	10.00	
12:06	69.8	57.2	61.3	64	7	16	SE	OK	24.27		30.20	25.20	mostly cloudy	10.00	2200
12:05	69.8	57.2	61.3	64	6	16	ESE	OK	24.27		30.20	25.20	mostly cloudy	10.00	2200
12:00	69.8	57.2	61.3	64	8		SSE	OK	24.27		30.20	25.20	mostly cloudy	10.00	2200
11:55	69.8	57.2	61.3	64	5		S	OK	24.27		30.20	25.20	partly cloudy	10.00	
11:53	69.1	57.0	61.0	65	8		SSE	OK	24.27	30.03	30.20	25.20	partly cloudy	10.00	
11:50	69.1	57.0	61.0	65	7		SE	OK	24.27	30.03	30.20	25.20	partly cloudy	10.00	
11:45	68.0	55.4	59.7	64	6		SSE	OK	24.27		30.20	25.20	mostly cloudy	10.00	2200
11:40	66.2	55.4	59.1	68	5		E	OK	24.28		30.21	25.21	partly cloudy	10.00	
11:35	66.2	55.4	59.1	68	6		ESE	OK	24.28		30.21	25.21	mostly clear	10.00	
11:30	66.2	57.2	60.2	73	7		SE	OK	24.28		30.21	25.21	clear	10.00	
11:25	66.2	57.2	60.2	73	3			OK	24.28		30.21	25.21	mostly clear	10.00	
10:53	66.0	55.9	59.4	70	5			OK	24.28	30.05	30.21	25.21	mostly cloudy	10.00	4600
9:53	63.0	55.0	57.8	75	0			OK	24.27	30.04	30.20	25.20	overcast	10.00	4900
8:53	59.0	55.4	56.7	88	0			OK	24.26	30.03	30.19	25.19	mostly cloudy	10.00	8000
7:53	59.0	53.6	55.6	82	0			OK	24.25	30.03	30.18	25.18	mostly cloudy	10.00	4500

6:53	57.0	54.0	55.1	89	5	N	OK	24.25	30.02	30.17	25.17	overcast	10.00			3700
6:42	57.2	53.6	54.9	88	5	N	OK	24.25		30.17	25.17	overcast	10.00			3400
6:00	57.2	53.6	54.9	88	3	NW	OK	24.25		30.17	25.17	overcast	10.00			2500
5:53	55.9	54.0	54.7	93	3	NW	OK	24.25	30.02	30.17	25.17	overcast	10.00	0.68	0.76	4300

Past Weather Conditions for KPUC

Observations prior to selected time: September 13, 2013 - 06:00 MDT

Weather Conditions at September 13, 2013 - 6:00 MDT

Graphical Links	With Prior Obs	6:00	24 Hour Max	24 Hour Min
Temperature	Temperature	55.4° F	73.4 at 12:20	55.0 at 6:50
Dew Point	Dew Point	51.8° F	60.8 at 14:45	50.0 at 2:50
Wet_Bulb Temperature	Wet_Bulb Temperature	53.2° F	62.0 at 14:45	52.0 at 2:53
Relative Humidity	Relative Humidity	88%	88 at 14:45	46 at 16:50
Wind Speed	Wind Speed	0 mph	14 at 14:25	0 at 6:10
Wind Gust	Wind Gust	-	22 at 14:25	22 at 14:25
Pressure	Pressure	24.18 in	24.29 at 10:45	24.18 at 5:35
Sea_level pressure	Sea_level pressure	-	30.05 at 7:53	29.91 at 5:50
Altimeter	Altimeter	30.09 in	30.23 at 10:45	30.09 at 5:35
1500_m Pressure	1500_m Pressure	25.11in	25.22 at 10:45	25.11 at 5:35
Weather conditions	Weather conditions	mostly cloudy	-	-
Visibility	Visibility	10.00 miles	10.00 at 6:00	1.50 at 14:30
Ceiling	Ceiling	4600 feet	12000 at 14:40	4100 at 12:53

Precipitation variable accumulated	Since Midnight	In 24 Hours
Precipitation 1hr	0.00"	0.19"
Precipitation 6hr	0.00"	0.38"

Tabular Listing: September 12, 2013 - 6:00 through September 13, 2013 - 06:00 MDT

Time(MDT)	Temperature	Dew Point	Wet Bulb Temperature	Relative Humidity	Wind Speed	Wind Gust	Wind Direction	Quality check	Pressure	Sea level pressure	Altimeter	1500 m Pressure	Weather conditions	Visibility	Precipitation 1hr	Precipitation 3hr	Precipitation 6hr	Precipitation 24hr	Ceiling
	° F	° F	° F	%	mph	mph			in	in	in	in		miles	in	in	in	in	feet
6:00	55.4	51.8	53.2	88	0			OK	24.18		30.09	25.11	mostly cloudy	10.00					4600
5:55	57.2	51.8	53.8	82	0			OK	24.19		30.10	25.12	overcast	10.00					4600
5:53	57.0	51.1	53.4	81	0			OK	24.19	29.91	30.10	25.12	overcast	10.00				0.19	4600
5:50	57.0	51.1	53.4	81	0			OK	24.18	29.91	30.09	25.11	overcast	10.00				0.19	4600
5:45	57.2	51.8	53.8	82	0			OK	24.18		30.09	25.11	overcast	10.00					4800
5:40	57.2	51.8	53.8	82	0			OK	24.18		30.09	25.11	overcast	10.00					4800
5:35	57.2	51.8	53.8	82	0			OK	24.18		30.09	25.11	overcast	10.00					5000

5:25	57.2	51.8	53.8	82	0		OK	24.19		30.10	25.12	mostly cloudy	10.00	5000
5:20	57.2	50.0	52.8	77	0		OK	24.19		30.10	25.12	mostly cloudy	10.00	5000
5:15	57.2	50.0	52.8	77	0		OK	24.19		30.10	25.12	mostly cloudy	10.00	11000
5:10	55.4	50.0	52.1	82	0		OK	24.19		30.10	25.12	partly cloudy	10.00	
5:05	55.4	50.0	52.1	82	0		OK	24.19		30.10	25.12	partly cloudy	10.00	
4:55	55.4	50.0	52.1	82	0		OK	24.19		30.10	25.12	mostly clear	10.00	
4:53	55.9	50.0	52.3	80	0		OK	24.19	29.93	30.10	25.12	partly cloudy	10.00	
4:50	55.9	50.0	52.3	80	3	N	OK	24.19	29.92	30.10	25.12	mostly clear	10.00	
4:45	55.4	50.0	52.1	82	5	N	OK	24.19		30.10	25.12	mostly clear	10.00	
4:40	55.4	50.0	52.1	82	7	NNE	OK	24.19		30.10	25.12	mostly clear	10.00	
4:35	55.4	50.0	52.1	82	6	NNE	OK	24.19		30.10	25.12	mostly clear	10.00	
4:30	55.4	50.0	52.1	82	7	N	OK	24.19		30.10	25.12	mostly clear	10.00	
4:25	55.4	50.0	52.1	82	6	NNE	OK	24.19		30.10	25.12	clear	10.00	
4:20	55.4	50.0	52.1	82	6	NNE	OK	24.19		30.10	25.12	clear	10.00	
4:15	55.4	50.0	52.1	82	6	NNE	OK	24.19		30.10	25.12	clear	10.00	
4:10	55.4	50.0	52.1	82	5	NNE	OK	24.20		30.11	25.12	clear	10.00	
4:05	55.4	50.0	52.1	82	3	NNE	OK	24.20		30.11	25.12	clear	10.00	
4:00	57.2	50.0	52.8	77	3	NE	OK	24.20		30.11	25.12	clear	10.00	
3:55	55.4	50.0	52.1	82	0		OK	24.20		30.11	25.12	clear	10.00	
3:53	55.9	50.0	52.3	80	3	ENE	OK	24.20	29.93	30.11	25.12	clear	10.00	
3:50	57.0	50.0	52.7	77	3	ENE	OK	24.20	29.93	30.11	25.12	clear	10.00	
3:40	55.4	50.0	52.1	82	3	ENE	OK	24.20		30.11	25.12	clear	10.00	

3:30	55.4	50.0	52.1	82	3	N	OK	24.20		30.11	25.12	clear	10.00
3:25	55.4	50.0	52.1	82	6	NNE	OK	24.20		30.11	25.12	clear	10.00
3:20	55.4	50.0	52.1	82	5	NNE	OK	24.19		30.10	25.12	clear	10.00
3:15	55.4	50.0	52.1	82	5	N	OK	24.19		30.10	25.12	clear	10.00
3:10	55.4	50.0	52.1	82	3	NE	OK	24.19		30.10	25.12	clear	10.00
3:05	55.4	50.0	52.1	82	6	NE	OK	24.19		30.10	25.12	clear	10.00
3:00	55.4	50.0	52.1	82	6	NE	OK	24.19		30.10	25.12	clear	10.00
2:53	55.0	50.0	52.0	83	6	NNE	OK	24.20	29.96	30.11	25.12	clear	10.00
2:50	55.9	50.0	52.3	80	6	NNE	OK	24.20	29.96	30.11	25.12	clear	10.00
2:45	55.4	50.0	52.1	82	5	NE	OK	24.20		30.11	25.12	clear	10.00
2:40	55.4	50.0	52.1	82	0		OK	24.20		30.11	25.12	clear	10.00
2:30	55.4	51.8	53.2	88	3		OK	24.20		30.11	25.12	clear	10.00
2:25	57.2	51.8	53.8	82	6	NNE	OK	24.20		30.11	25.12	clear	10.00
2:20	57.2	51.8	53.8	82	7	NNE	OK	24.20		30.11	25.12	clear	10.00
2:15	57.2	51.8	53.8	82	7	NNE	OK	24.20		30.11	25.12	clear	10.00
2:10	57.2	51.8	53.8	82	7	NNE	OK	24.20		30.11	25.12	clear	10.00
2:00	57.2	50.0	52.8	77	7	NNE	OK	24.20		30.11	25.12	clear	10.00
1:55	57.2	51.8	53.8	82	8	NNE	OK	24.20		30.11	25.12	clear	10.00
1:53	57.9	51.1	53.7	78	8	NNE	OK	24.20	29.95	30.11	25.12	clear	10.00
1:50	57.9	51.1	53.7	78	7	NNE	OK	24.20	29.95	30.11	25.12	clear	10.00
1:45	57.2	51.8	53.8	82	7	NNE	OK	24.20		30.11	25.12	clear	10.00
1:40	57.2	51.8	53.8	82	6	NNE	OK	24.20		30.11	25.12	clear	10.00
1:35	57.2	51.8	53.8	82	6	NNE	OK	24.20		30.11	25.12	clear	10.00
1:30	57.2	50.0	52.8	77	7	NNE	OK	24.20		30.11	25.12	clear	10.00
1:25	57.2	50.0	52.8	77	6	N	OK	24.20		30.11	25.12	clear	10.00
1:20	57.2	51.8	53.8	82	6	N	OK	24.21		30.12	25.13	clear	10.00
1:15	57.2	51.8	53.8	82	7	NNE	OK	24.21		30.12	25.13	clear	10.00
1:10	57.2	51.8	53.8	82	6	NNE	OK	24.21		30.12	25.13	clear	10.00
1:05	57.2	51.8	53.8	82	7	NE	OK	24.21		30.12	25.13	clear	10.00
1:00	57.2	51.8	53.8	82	7	NNE	OK	24.21		30.12	25.13	clear	10.00
0:55	57.2	51.8	53.8	82	7	NNE	OK	24.21		30.12	25.13	clear	10.00
0:53	57.9	51.1	53.7	78	7	NNE	OK	24.21	29.94	30.12	25.13	clear	10.00
0:50	57.9	51.1	53.7	78	7	NNE	OK	24.21	29.94	30.12	25.13	clear	10.00

0:45	57.2	51.8	53.8	82	7	NNE	OK	24.21		30.12	25.13	clear	10.00	
0:40	57.2	51.8	53.8	82	7	N	OK	24.21		30.12	25.13	clear	10.00	
0:35	57.2	51.8	53.8	82	7	NNE	OK	24.21		30.12	25.13	clear	10.00	
0:30	57.2	51.8	53.8	82	7	N	OK	24.21		30.12	25.13	clear	10.00	
0:20	57.2	51.8	53.8	82	7	N	OK	24.21		30.12	25.13	clear	10.00	
0:15	57.2	51.8	53.8	82	7	N	OK	24.21		30.13	25.14	clear	10.00	
0:10	57.2	51.8	53.8	82	6	NNE	OK	24.21		30.13	25.14	clear	10.00	
0:05	57.2	51.8	53.8	82	6	N	OK	24.21		30.13	25.14	clear	10.00	
0:00	57.2	51.8	53.8	82	6	N	OK	24.21		30.13	25.14	clear	10.00	
23:55	59.0	51.8	54.5	77	6	N	OK	24.21		30.13	25.14	clear	10.00	
23:53	59.0	51.8	54.5	77	6	N	OK	24.21	29.95	30.13	25.14	clear	10.00	0.02
23:50	59.0	52.0	54.6	78	7	N	OK	24.21	29.95	30.13	25.14	clear	10.00	0.02
23:45	59.0	51.8	54.5	77	6	N	OK	24.21		30.13	25.14	clear	10.00	
23:40	59.0	51.8	54.5	77	5	N	OK	24.21		30.13	25.14	clear	10.00	
23:35	59.0	51.8	54.5	77	5	N	OK	24.21		30.13	25.14	clear	10.00	
23:30	59.0	53.6	55.6	82	3	N	OK	24.21		30.13	25.14	clear	10.00	
23:25	59.0	53.6	55.6	82	0		OK	24.21		30.13	25.14	clear	10.00	
23:20	59.0	53.6	55.6	82	0		OK	24.21		30.13	25.14	clear	10.00	
23:15	59.0	53.6	55.6	82	0		OK	24.21		30.13	25.14	clear	10.00	
23:10	60.8	53.6	56.2	77	0		OK	24.21		30.13	25.14	clear	10.00	
23:05	60.8	51.8	55.1	72	3	NW	OK	24.21		30.13	25.14	clear	10.00	
23:00	60.8	51.8	55.1	72	3	NW	OK	24.21		30.13	25.14	clear	10.00	
22:55	60.8	51.8	55.1	72	3	NW	OK	24.21		30.13	25.14	clear	10.00	
22:53	61.0	53.1	55.9	75	3	NW	OK	24.21	29.95	30.13	25.14	clear	10.00	
22:50	62.1	53.1	56.3	72	3	NW	OK	24.21	29.94	30.13	25.14	clear	10.00	
22:45	62.6	53.6	56.8	72	5	W	OK	24.21		30.13	25.14	clear	10.00	
22:40	62.6	53.6	56.8	72	3	W	OK	24.22		30.14	25.15	clear	10.00	
22:35	60.8	53.6	56.2	77	3	W	OK	24.22		30.14	25.15	clear	10.00	
22:30	60.8	53.6	56.2	77	3	WSW	OK	24.22		30.14	25.15	mostly clear	10.00	
22:25	62.6	53.6	56.8	72	5	SW	OK	24.21		30.13	25.14	mostly clear	10.00	
22:20	60.8	53.6	56.2	77	3		OK	24.21		30.13	25.14	mostly	10.00	

												clear		
22:15	62.6	53.6	56.8	72	0		OK	24.21		30.13	25.14	partly cloudy	10.00	
22:10	62.6	53.6	56.8	72	0		OK	24.21		30.13	25.14	partly cloudy	10.00	
22:05	60.8	53.6	56.2	77	3	W	OK	24.21		30.13	25.14	partly cloudy	10.00	
22:00	62.6	53.6	56.8	72	3	WSW	OK	24.21		30.13	25.14	mostly clear	10.00	
21:55	62.6	53.6	56.8	72	5	NNE	OK	24.21		30.13	25.14	mostly clear	10.00	
21:53	63.0	54.0	57.2	72	7	NNE	OK	24.21	29.94	30.13	25.14	mostly clear	10.00	
21:50	63.0	54.0	57.2	72	7	NNE	OK	24.21	29.94	30.13	25.14	mostly clear	10.00	
21:45	62.6	53.6	56.8	72	8	NNE	OK	24.21		30.13	25.14	mostly clear	10.00	
21:40	62.6	53.6	56.8	72	7	NNE	OK	24.21		30.13	25.14	mostly clear	10.00	
21:35	62.6	53.6	56.8	72	8	NNE	OK	24.21		30.13	25.14	partly cloudy	10.00	
21:30	62.6	53.6	56.8	72	9	NNE	OK	24.21		30.13	25.14	partly cloudy	10.00	
21:25	62.6	53.6	56.8	72	8	NNE	OK	24.21		30.13	25.14	mostly cloudy	10.00	8000
21:20	64.4	53.6	57.4	68	8	NNE	OK	24.21		30.13	25.14	mostly cloudy	10.00	8000
21:15	64.4	53.6	57.4	68	8	N	OK	24.21		30.13	25.14	overcast	10.00	8000
21:10	64.4	53.6	57.4	68	8	N	OK	24.21		30.13	25.14	mostly cloudy	10.00	7500
21:05	64.4	53.6	57.4	68	9	NNE	OK	24.21		30.13	25.14	mostly cloudy	10.00	8000
21:00	62.6	53.6	56.8	72	8	NNE	OK	24.21		30.13	25.14	overcast	10.00	8000
20:55	62.6	53.6	56.8	72	8	NNE	OK	24.21		30.13	25.14	mostly cloudy	10.00	8000

20:53	63.0	54.0	57.2	72	8	NNE	OK	24.21	29.96	30.13	25.14	mostly cloudy	10.00	0.02	8000
20:50	63.0	55.0	57.8	75	9	NNE	OK	24.21	29.96	30.13	25.14	mostly cloudy	10.00	0.02	8000
20:45	62.6	55.4	57.9	77	8	NNE	OK	24.21		30.13	25.14	partly cloudy	10.00		
20:40	62.6	55.4	57.9	77	8	NNE	OK	24.21		30.13	25.14	partly cloudy	10.00		
20:35	62.6	55.4	57.9	77	8	NNE	OK	24.21		30.13	25.14	mostly clear	10.00		
20:30	62.6	55.4	57.9	77	8	NNE	OK	24.21		30.12	25.13	clear	10.00		
20:25	62.6	55.4	57.9	77	8	NNE	OK	24.21		30.12	25.13	clear	10.00		
20:20	62.6	55.4	57.9	77	8	NNE	OK	24.21		30.12	25.13	clear	10.00		
20:15	62.6	55.4	57.9	77	7	NNE	OK	24.21		30.12	25.13	clear	10.00		
20:10	62.6	55.4	57.9	77	7	NNE	OK	24.21		30.12	25.13	mostly clear	10.00		
20:05	64.4	55.4	58.5	73	6	NNE	OK	24.21		30.12	25.13	mostly clear	10.00		
20:00	64.4	55.4	58.5	73	6	N	OK	24.20		30.11	25.12	mostly clear	10.00		
19:55	64.4	57.2	59.6	77	6	N	OK	24.20		30.11	25.12	mostly clear	10.00		
19:53	64.9	57.0	59.7	76	6	N	OK	24.20	29.95	30.11	25.12	partly cloudy	10.00		
19:50	64.9	57.0	59.7	76	3	N	OK	24.20	29.95	30.11	25.12	partly cloudy	10.00		
19:45	64.4	57.2	59.6	77	3	N	OK	24.20		30.11	25.12	mostly clear	10.00		
19:40	64.4	57.2	59.6	77	3	N	OK	24.20		30.11	25.12	mostly clear	10.00		
19:35	66.2	55.4	59.1	68	3	N	OK	24.20		30.11	25.12	mostly clear	10.00		
19:30	68.0	53.6	58.6	60	0		OK	24.20		30.11	25.12	clear	10.00		
19:25	68.0	53.6	58.6	60	0		OK	24.20		30.11	25.12	clear	10.00		

19:20	68.0	53.6	58.6	60	0		OK	24.20		30.11	25.12	clear	10.00			
19:15	68.0	53.6	58.6	60	0		OK	24.19		30.10	25.12	clear	10.00			
19:10	69.8	53.6	59.2	56	0		OK	24.20		30.11	25.12	clear	10.00			
19:05	68.0	55.4	59.7	64	3	W	OK	24.20		30.11	25.12	clear	10.00			
19:00	68.0	57.2	60.8	68	0		OK	24.20		30.11	25.12	mostly clear	10.00			
18:55	68.0	57.2	60.8	68	3	NW	OK	24.20		30.11	25.12	mostly clear	10.00			
18:53	68.0	57.2	60.8	68	5	NNW	OK	24.20	29.95	30.11	25.12	mostly clear	10.00	0.02		
18:45	69.8	53.6	59.2	56	0		OK	24.20		30.11	25.12	partly cloudy	10.00	0.02		
18:40	71.6	57.2	61.9	61	0		OK	24.20		30.11	25.12	mostly cloudy	10.00	0.02		9500
18:35	71.6	55.4	60.8	57	0		OK	24.21		30.12	25.13	mostly cloudy	10.00	0.02		7500
18:30	69.8	55.4	60.2	60	3	NNW	OK	24.21		30.12	25.13	lt rain	10.00	0.02		6500
18:20	69.8	55.4	60.2	60	6	W	OK	24.21		30.12	25.13	lt rain	5.00	0.02		9500
18:15	71.6	53.6	59.8	53	6	WSW	OK	24.21		30.12	25.13	lt rain	10.00	0.00		9500
18:10	71.6	51.8	58.8	50	3	WSW	OK	24.21		30.12	25.13	mostly cloudy	10.00			9500
18:05	73.4	51.8	59.4	47	6	WSW	OK	24.21		30.12	25.13	mostly cloudy	10.00			10000
17:55	73.4	53.6	60.3	50	6	WNW	OK	24.21		30.12	25.13	partly cloudy	10.00			
17:53	73.0	53.1	59.9	50	7	WNW	OK	24.21	29.93	30.12	25.13	mostly clear	10.00		0.17	
17:50	73.0	52.0	59.4	48	5	WNW	OK	24.21	29.92	30.12	25.13	clear	10.00		0.17	
17:45	73.4	51.8	59.4	47	3	W	OK	24.21		30.12	25.13	clear	10.00			
17:40	73.4	51.8	59.4	47	3		OK	24.21		30.12	25.13	clear	10.00			
17:35	73.4	51.8	59.4	47	5	WSW	OK	24.21		30.12	25.13	clear	10.00			
17:30	73.4	51.8	59.4	47	0		OK	24.21		30.12	25.13	clear	10.00			
17:25	73.4	51.8	59.4	47	0		OK	24.21		30.12	25.13	clear	10.00			
17:20	73.4	53.6	60.3	50	3		OK	24.21		30.12	25.13	clear	10.00			

17:15	73.4	53.6	60.3	50	5	WSW	OK	24.21		30.12	25.13	clear	10.00	
17:10	71.6	51.8	58.8	50	0		OK	24.21		30.12	25.13	clear	10.00	
17:05	71.6	51.8	58.8	50	0		OK	24.21		30.12	25.13	clear	10.00	
17:00	71.6	51.8	58.8	50	3	SSE	OK	24.21		30.12	25.13	clear	10.00	
16:55	71.6	51.8	58.8	50	3		OK	24.21		30.13	25.14	clear	10.00	
16:53	72.0	51.1	58.5	48	5	ESE	OK	24.21	29.94	30.13	25.14	clear	10.00	
16:50	73.0	51.1	58.9	46	0		OK	24.21	29.94	30.13	25.14	clear	10.00	
16:45	73.4	53.6	60.4	50	3	SW	OK	24.22		30.14	25.15	clear	10.00	
16:40	73.4	53.6	60.4	50	6	S	OK	24.22		30.14	25.15	clear	10.00	
16:35	73.4	51.8	59.4	47	0		OK	24.21		30.13	25.14	clear	10.00	
16:30	71.6	51.8	58.8	50	5	ESE	OK	24.21		30.13	25.14	clear	10.00	
16:25	71.6	53.6	59.8	53	3	SE	OK	24.21		30.13	25.14	clear	10.00	
16:20	71.6	51.8	58.8	50	5	SSW	OK	24.22		30.14	25.15	clear	10.00	
16:15	73.4	53.6	60.4	50	6	S	OK	24.22		30.14	25.15	clear	10.00	
16:10	73.4	51.8	59.4	47	5	ESE	OK	24.22		30.14	25.15	clear	10.00	
16:05	73.4	51.8	59.4	47	0		OK	24.23		30.15	25.16	clear	10.00	
16:00	73.4	53.6	60.4	50	0		OK	24.23		30.15	25.16	clear	10.00	
15:55	71.6	51.8	58.8	50	0		OK	24.23		30.15	25.16	clear	10.00	
15:53	71.1	52.0	58.7	51	0		OK	24.23	29.97	30.15	25.16	clear	10.00	
15:50	71.1	53.1	59.3	53	3	SE	OK	24.23	29.97	30.15	25.16	clear	10.00	
15:45	71.6	53.6	59.8	53	0		OK	24.24		30.16	25.17	clear	10.00	
15:40	73.4	53.6	60.4	50	0		OK	24.24		30.16	25.17	clear	10.00	
15:35	71.6	53.6	59.8	53	0		OK	24.24		30.16	25.17	clear	10.00	
15:30	71.6	53.6	59.8	53	0		OK	24.24		30.16	25.17	mostly clear	10.00	
15:25	71.6	53.6	59.8	53	3	NE	OK	24.24		30.16	25.17	partly cloudy	10.00	
15:20	71.6	55.4	60.8	57	3	NNE	OK	24.25		30.17	25.17	partly cloudy	10.00	
15:16	71.6	55.4	60.8	57	0		OK	24.25		30.17	25.17	partly cloudy	10.00	
15:15	71.6	55.4	60.8	57	0		OK	24.25		30.17	25.17	partly cloudy	10.00	
15:10	69.8	55.4	60.2	60	0		OK	24.25		30.17	25.17	mostly	10.00	10000

												cloudy					
15:05	69.8	57.2	61.3	64	0			OK	24.25		30.17	25.17	thunder	10.00			11000
15:00	66.2	55.4	59.1	68	0			OK	24.25		30.18	25.18	thunder	10.00			
14:55	66.2	57.2	60.2	73	0			OK	24.25		30.18	25.18	thunder	10.00			
14:53	66.0	57.0	60.0	73	0			OK	24.25	30.01	30.18	25.18	thunder	10.00	0.14	0.17	
14:50	64.9	57.0	59.7	76	0			OK	24.25	30.03	30.18	25.18	thunder	10.00	0.14	0.17	
14:45	64.4	60.8	62.0	88	0			OK	24.26		30.19	25.19	thunder	10.00	0.14		
14:40	64.4	57.2	59.6	77	3		NNE	OK	24.26		30.19	25.19	lt rain thunder shwr	10.00	0.14		12000
14:37	64.4	57.2	59.6	77	3		N	OK	24.26		30.19	25.19	lt rain thunder shwr	3.00	0.14		11000
14:35	62.6	57.2	59.0	83	0			OK	24.26		30.19	25.19	lt rain thunder shwr	2.00	0.14		11000
14:30	62.6	57.2	59.0	83	3	22	SE	OK	24.27		30.20	25.20	hvy rain thunder shwr	1.50	0.14		9000
14:28	62.6	57.2	59.0	83	5	22		OK	24.27		30.20	25.20	hvy rain thunder shwr	1.75	0.13		9000
14:25	66.2	57.2	60.2	73	14	22	SSW	OK	24.27		30.20	25.20	lt rain thunder shwr	3.00	0.08		
14:20	68.0	55.4	59.7	64	7		WSW	OK	24.26		30.19	25.19	lt rain thunder shwr	10.00	0.00		
14:15	68.0	55.4	59.7	64	0			OK	24.26		30.19	25.19	thunder	10.00			
14:10	68.0	55.4	59.7	64	0			OK	24.25		30.18	25.18	thunder	10.00			
14:08	68.0	55.4	59.7	64	0			OK	24.25		30.18	25.18	thunder	10.00			
14:05	68.0	55.4	59.7	64	0			OK	24.26		30.19	25.19	thunder	10.00			
14:00	68.0	55.4	59.7	64	0			OK	24.26		30.19	25.19	mostly clear	10.00			
13:55	68.0	55.4	59.7	64	0			OK	24.26		30.19	25.19	mostly	10.00			

												clear			
13:53	68.0	53.6	58.6	60	0		OK	24.26	30.03	30.19	25.19	mostly clear	10.00	0.03	
13:50	68.0	55.0	59.5	63	0		OK	24.26	30.03	30.19	25.19	mostly clear	10.00	0.03	
13:45	68.0	55.4	59.7	64	0		OK	24.26		30.19	25.19	partly cloudy	10.00	0.03	
13:40	68.0	55.4	59.7	64	0		OK	24.26		30.19	25.19	mostly cloudy	10.00	0.03	9000
13:35	68.0	57.2	60.8	68	5	S	OK	24.27		30.20	25.20	mostly cloudy	10.00	0.03	9000
13:30	66.2	55.4	59.1	68	3	SSW	OK	24.27		30.20	25.20	partly cloudy	10.00	0.03	
13:25	66.2	57.2	60.2	73	3	S	OK	24.27		30.20	25.20	mostly cloudy	10.00	0.03	9000
13:20	66.2	57.2	60.2	73	3	SSE	OK	24.27		30.20	25.20	mostly cloudy	10.00	0.03	8000
13:15	66.2	57.2	60.2	73	6	SSE	OK	24.27		30.20	25.20	lt rain	9.00	0.03	8000
13:10	66.2	59.0	61.3	78	7		OK	24.27		30.20	25.20	mod rain	7.00	0.03	8000
13:05	66.2	57.2	60.2	73	6	E	OK	24.27		30.20	25.20	lt rain	6.00	0.02	9000
13:00	68.0	55.4	59.7	64	7	E	OK	24.27		30.20	25.20	mod rain	7.00	0.01	9000
12:55	69.8	53.6	59.2	56	8	ESE	OK	24.28		30.21	25.21	mostly cloudy	10.00		4100
12:53	70.0	54.0	59.5	57	8	ESE	OK	24.28	30.03	30.21	25.21	mostly cloudy	10.00		4100
12:50	70.0	54.0	59.5	57	6		OK	24.28	30.03	30.21	25.21	mostly cloudy	10.00		8500
12:45	71.6	53.6	59.8	53	7	S	OK	24.28		30.21	25.21	partly cloudy	10.00		
12:40	71.6	53.6	59.8	53	9	SSE	OK	24.28		30.21	25.21	partly cloudy	10.00		
12:35	69.8	53.6	59.2	56	5		OK	24.28		30.21	25.21	partly cloudy	10.00		
12:30	71.6	53.6	59.8	53	9	SSE	OK	24.28		30.21	25.21	partly cloudy	10.00		

12:25	71.6	53.6	59.8	53	9	SSE	OK	24.29		30.22	25.22	partly cloudy	10.00	
12:20	73.4	55.4	61.4	53	9	SSE	OK	24.29		30.22	25.22	mostly cloudy	10.00	9500
12:15	71.6	55.4	60.8	57	12	S	OK	24.29		30.22	25.22	mostly cloudy	10.00	9000
12:10	71.6	53.6	59.8	53	10	S	OK	24.29		30.22	25.22	mostly cloudy	10.00	9000
12:05	71.6	53.6	59.8	53	8	SE	OK	24.29		30.22	25.22	mostly cloudy	10.00	9000
12:00	71.6	55.4	60.8	57	5	SSE	OK	24.29		30.22	25.22	mostly cloudy	10.00	9000
11:55	71.6	55.4	60.8	57	10	SE	OK	24.29		30.23	25.22	partly cloudy	10.00	
11:53	71.1	55.0	60.4	57	8	SE	OK	24.29	30.03	30.23	25.22	partly cloudy	10.00	
11:50	70.0	54.0	59.5	57	5		OK	24.29	30.04	30.23	25.22	partly cloudy	10.00	
11:45	71.6	55.4	60.8	57	6	SE	OK	24.29		30.23	25.22	partly cloudy	10.00	
11:40	71.6	55.4	60.8	57	8	SE	OK	24.29		30.23	25.22	partly cloudy	10.00	
11:35	71.6	55.4	60.8	57	8	SSE	OK	24.29		30.23	25.22	mostly cloudy	10.00	10000
11:30	69.8	53.6	59.2	56	6	SE	OK	24.29		30.23	25.22	mostly cloudy	10.00	10000
11:25	69.8	53.6	59.2	56	6		OK	24.29		30.23	25.22	mostly cloudy	10.00	10000
11:20	69.8	53.6	59.2	56	6	SE	OK	24.29		30.23	25.22	overcast	10.00	9500
11:15	69.8	53.6	59.2	56	7	SSE	OK	24.29		30.23	25.22	overcast	10.00	6500
11:10	69.8	53.6	59.2	56	7	S	OK	24.29		30.23	25.22	overcast	10.00	6500
11:05	69.8	53.6	59.2	56	7	SSE	OK	24.29		30.23	25.22	overcast	10.00	6500
11:00	69.8	55.4	60.2	60	10	S	OK	24.29		30.23	25.22	overcast	10.00	6500
10:55	69.8	53.6	59.2	56	6	SSE	OK	24.29		30.23	25.22	overcast	10.00	6500

10:53	69.1	54.0	59.2	59	8	SSE	OK	24.29	30.04	30.23	25.22	overcast	10.00	6500
10:50	69.1	54.0	59.2	59	9	SSE	OK	24.29	30.04	30.23	25.22	overcast	10.00	6500
10:45	69.8	55.4	60.2	60	9	SE	OK	24.29		30.23	25.22	mostly cloudy	10.00	6500
10:40	69.8	55.4	60.2	60	7	SSE	OK	24.29		30.22	25.22	mostly cloudy	10.00	6500
10:35	69.8	53.6	59.2	56	8	SE	OK	24.29		30.22	25.22	mostly cloudy	10.00	6500
10:30	69.8	53.6	59.2	56	7	SE	OK	24.29		30.22	25.22	mostly cloudy	10.00	6000
10:25	69.8	53.6	59.2	56	6	ESE	OK	24.29		30.22	25.22	partly cloudy	10.00	
10:20	69.8	53.6	59.2	56	6	E	OK	24.29		30.22	25.22	mostly clear	10.00	
10:15	69.8	53.6	59.2	56	7	ESE	OK	24.29		30.22	25.22	mostly clear	10.00	
10:10	69.8	53.6	59.2	56	6	E	OK	24.29		30.22	25.22	clear	10.00	
10:05	69.8	53.6	59.2	56	8	E	OK	24.29		30.22	25.22	clear	10.00	
10:00	69.8	53.6	59.2	56	8	E	OK	24.29		30.22	25.22	mostly clear	10.00	
9:55	69.8	51.8	58.2	53	7		OK	24.29		30.22	25.22	mostly clear	10.00	
9:53	69.1	51.1	57.6	53	6	ENE	OK	24.29	30.03	30.22	25.22	mostly clear	10.00	
9:50	69.1	52.0	58.1	55	8	E	OK	24.29	30.03	30.22	25.22	mostly clear	10.00	
9:45	69.8	51.8	58.2	53	5	E	OK	24.29		30.22	25.22	clear	10.00	
9:40	69.8	51.8	58.2	53	7	E	OK	24.29		30.22	25.22	mostly clear	10.00	
9:35	68.0	51.8	57.6	56	3	E	OK	24.29		30.22	25.22	mostly clear	10.00	
9:30	66.2	53.6	58.0	64	6	ESE	OK	24.28		30.21	25.21	clear	10.00	
9:25	66.2	53.6	58.0	64	3	SSE	OK	24.28		30.21	25.21	clear	10.00	
9:20	66.2	53.6	58.0	64	0		OK	24.28		30.21	25.21	clear	10.00	

9:10	64.4	51.8	56.4	64	0		OK	24.28		30.21	25.21	clear	10.00	
9:05	64.4	51.8	56.4	64	0		OK	24.28		30.21	25.21	clear	10.00	
9:00	64.4	51.8	56.4	64	0		OK	24.28		30.21	25.21	clear	10.00	
8:55	64.4	51.8	56.4	64	0		OK	24.28		30.21	25.21	clear	10.00	
8:53	64.0	52.0	56.4	65	0		OK	24.28	30.03	30.21	25.21	clear	10.00	
8:50	64.0	52.0	56.4	65	0		OK	24.28	30.03	30.21	25.21	clear	10.00	
8:40	62.6	51.8	55.8	68	0		OK	24.27		30.20	25.20	clear	10.00	
8:35	62.6	53.6	56.8	72	3	W	OK	24.27		30.20	25.20	clear	10.00	
8:30	62.6	53.6	56.8	72	0		OK	24.28		30.21	25.21	clear	10.00	
8:25	62.6	53.6	56.8	72	0		OK	24.28		30.21	25.21	mostly clear	10.00	
8:20	60.8	53.6	56.2	77	0		OK	24.27		30.20	25.20	mostly clear	10.00	
8:15	60.8	53.6	56.2	77	3	NNW	OK	24.27		30.20	25.20	mostly clear	10.00	
8:10	60.8	51.8	55.1	72	0		OK	24.27		30.20	25.20	mostly clear	10.00	
8:05	60.8	53.6	56.2	77	0		OK	24.27		30.20	25.20	mostly clear	10.00	
7:55	57.2	51.8	53.9	82	0		OK	24.27		30.20	25.20	clear	10.00	
7:53	57.9	52.0	54.2	81	0		OK	24.27	30.05	30.20	25.20	clear	10.00	
7:50	57.9	52.0	54.2	81	0		OK	24.27	30.05	30.20	25.20	mostly clear	10.00	
7:45	59.0	51.8	54.5	77	0		OK	24.27		30.20	25.20	mostly clear	10.00	
7:40	59.0	51.8	54.5	77	6	NNE	OK	24.26		30.19	25.19	mostly clear	10.00	
7:35	57.2	51.8	53.8	82	7	NNE	OK	24.26		30.19	25.19	mostly clear	10.00	
7:30	57.2	51.8	53.8	82	5	NNE	OK	24.26		30.19	25.19	partly cloudy	10.00	
7:25	57.2	51.8	53.8	82	5	NNE	OK	24.26		30.19	25.19	mostly cloudy	10.00	8500
7:20	57.2	51.8	53.8	82	6	N	OK	24.26		30.19	25.19	partly	10.00	

												cloudy			
7:15	55.4	51.8	53.2	88	6	N	OK	24.26		30.19	25.19	mostly cloudy	10.00		6000
7:10	55.4	51.8	53.2	88	5	N	OK	24.25		30.18	25.18	mostly cloudy	10.00		5500
7:05	57.2	51.8	53.8	82	3	N	OK	24.25		30.18	25.18	mostly cloudy	10.00		6000
7:00	57.2	51.8	53.8	82	3	NW	OK	24.25		30.18	25.18	mostly cloudy	10.00		10000
6:55	55.4	51.8	53.2	88	3	WNW	OK	24.25		30.18	25.18	partly cloudy	10.00		
6:53	55.0	51.1	52.6	86	3	WNW	OK	24.25	30.03	30.18	25.18	mostly clear	10.00		
6:50	55.0	51.1	52.6	86	3	NNW	OK	24.25	30.03	30.18	25.18	mostly clear	10.00		
6:45	55.4	51.8	53.2	88	5	NW	OK	24.25		30.18	25.18	mostly clear	10.00		
6:40	55.4	51.8	53.2	88	5	WNW	OK	24.25		30.18	25.18	mostly clear	10.00		
6:35	57.2	51.8	53.8	82	5	W	OK	24.25		30.18	25.18	mostly clear	10.00		
6:30	55.4	51.8	53.2	88	3	NW	OK	24.25		30.18	25.18	clear	10.00		
6:25	55.4	51.8	53.2	88	3	WNW	OK	24.25		30.18	25.18	clear	10.00		
6:20	57.2	51.8	53.8	82	0		OK	24.25		30.18	25.18	clear	10.00		
6:15	57.2	51.8	53.8	82	0		OK	24.25		30.18	25.18	clear	10.00		
6:10	57.2	51.8	53.8	82	0		OK	24.25		30.18	25.18	clear	10.00		
6:05	57.2	51.8	53.8	82	3	E	OK	24.25		30.18	25.18	mostly clear	10.00		
6:00	57.2	51.8	53.8	82	5	E	OK	24.26		30.19	25.19	mostly clear	10.00		
5:55	57.2	51.8	53.8	82	5	E	OK	24.26		30.19	25.19	mostly clear	10.00		
5:53	59.0	51.8	54.5	77	6	E	OK	24.26	30.01	30.19	25.19	mostly clear	10.00	0.03	

5:50	59.0	52.0	54.6	78	7	E	OK	24.26	30.01	30.19	25.19	clear	10.00		0.03	
5:45	59.0	51.8	54.5	77	7	ENE	OK	24.26		30.19	25.19	mostly clear	10.00			
5:35	59.0	51.8	54.5	77	9	NNE	OK	24.25		30.18	25.18	partly cloudy	10.00			
5:25	59.0	51.8	54.5	77	6	N	OK	24.25		30.18	25.18	mostly cloudy	10.00			4600
5:15	60.8	51.8	55.1	72	9	NNE	OK	24.26		30.19	25.19	overcast	10.00			4600
5:10	59.0	51.8	54.5	77	10	NNE	OK	24.26		30.19	25.19	mostly cloudy	10.00			4600
5:05	59.0	50.0	53.5	72	9	NNE	OK	24.26		30.19	25.19	mostly cloudy	10.00			4600
5:00	59.0	50.0	53.5	72	7	N	OK	24.26		30.19	25.19	mostly cloudy	10.00			4800

Past Weather Conditions for KPUC

Observations prior to selected time: September 14, 2013 - 06:00 MDT

Weather Conditions at September 14, 2013 - 6:00 MDT

Graphical Links	With Prior Obs	6:00	24 Hour Max	24 Hour Min
Temperature	Temperature	57.2° F	73.4 at 14:00	55.0 at 2:50
Dew Point	Dew Point	53.6° F	55.4 at 19:45	50.0 at 15:50
Wet_Bulb Temperature	Wet_Bulb Temperature	54.9° F	60.8 at 12:25	53.2 at 2:00
Relative Humidity	Relative Humidity	88%	94 at 21:20	50 at 14:15
Wind Speed	Wind Speed	5 mph from NE	21 at 15:20	0 at 6:00
Wind Gust	Wind Gust	-	26 at 15:20	17 at 13:30
Pressure	Pressure	24.13 in	24.20 at 9:50	24.10 at 18:55
Sea_level pressure	Sea_level pressure	-	29.94 at 7:50	29.83 at 1:50
Altimeter	Altimeter	30.02 in	30.11 at 9:50	29.99 at 18:55
1500_m Pressure	1500_m Pressure	25.05in	25.12 at 9:50	25.02 at 18:55
Weather conditions	Weather conditions	overcast	-	-
Visibility	Visibility	10.00 miles	10.00 at 6:00	2.00 at 17:00
Ceiling	Ceiling	7000 feet	10000 at 10:55	3800 at 8:35

Precipitation variable accumulated	Since Midnight	In 24 Hours
Precipitation 1hr	0.03"	0.211"
Precipitation 6hr	0.06"	0.42"

Tabular Listing: September 13, 2013 - 6:00 through September 14, 2013 - 06:00 MDT

Time(MDT)	Temperature	Dew Point	Wet Bulb Temperature	Relative Humidity	Wind Speed	Wind Gust	Wind Direction	Quality check	Pressure	Sea level pressure	Altimeter	1500 m Pressure	Weather conditions	Visibility	Precipitation 1hr	Precipitation 3hr	Precipitation 6hr	Precipitation 24hr	Ceiling
	° F	° F	° F	%	mph	mph			in	in	in	in		miles	in	in	in	in	feet
6:00	57.2	53.6	54.9	88	5		NE	OK	24.13		30.02	25.05	overcast	10.00					7000
5:55	55.4	53.6	54.3	94	5		NE	OK	24.13		30.02	25.05	overcast	10.00					7500
5:53	55.9	54.0	54.7	93	5		NE	OK	24.13	29.89	30.02	25.05	overcast	10.00			0.03	0.21	7000
5:50	55.9	53.1	54.2	90	5		NE	OK	24.13	29.90	30.02	25.05	overcast	10.00			0.03	0.21	7000
5:45	55.4	53.6	54.3	94	5		ENE	OK	24.13		30.02	25.05	overcast	10.00					7000
5:40	55.4	53.6	54.3	94	6		ENE	OK	24.13		30.02	25.05	overcast	10.00					7000
5:35	55.4	53.6	54.3	94	5		E	OK	24.13		30.02	25.05	overcast	10.00					7000
5:30	55.4	53.6	54.3	94	6		E	OK	24.13		30.02	25.05	overcast	10.00					7000

5:25	55.4	53.6	54.3	94	6	E	OK	24.13		30.02	25.05	overcast	10.00		7000
5:20	55.4	53.6	54.3	94	5	E	OK	24.13		30.02	25.05	overcast	10.00		9000
5:15	55.4	53.6	54.3	94	5	E	OK	24.12		30.01	25.04	overcast	10.00		8500
5:10	57.2	53.6	54.9	88	5	E	OK	24.12		30.01	25.04	overcast	10.00		8500
5:00	55.4	53.6	54.3	94	3	NE	OK	24.12		30.01	25.04	overcast	10.00		8500
4:55	55.4	53.6	54.3	94	3	NE	OK	24.12		30.01	25.04	overcast	10.00		8500
4:53	55.9	53.1	54.2	90	3	NE	OK	24.12	29.88	30.01	25.04	overcast	10.00		8500
4:50	55.9	53.1	54.2	90	3	NE	OK	24.12	29.88	30.01	25.04	overcast	10.00		8500
4:40	55.4	53.6	54.3	94	0		OK	24.12		30.01	25.04	overcast	10.00		9000
4:35	55.4	53.6	54.3	94	0		OK	24.12		30.01	25.04	overcast	10.00		9000
4:30	55.4	53.6	54.3	94	0		OK	24.12		30.01	25.04	overcast	10.00		9000
4:25	55.4	53.6	54.3	94	0		OK	24.12		30.01	25.04	overcast	10.00		9000
4:20	55.4	53.6	54.3	94	0		OK	24.12		30.01	25.04	overcast	10.00		9000
4:15	55.4	53.6	54.3	94	0		OK	24.12		30.01	25.04	overcast	10.00		9000
4:10	55.4	53.6	54.3	94	0		OK	24.12		30.01	25.04	overcast	10.00		9000
4:05	55.4	53.6	54.3	94	0		OK	24.12		30.01	25.04	overcast	10.00		9000
4:00	55.4	53.6	54.3	94	0		OK	24.12		30.01	25.04	overcast	10.00		9000
3:55	55.4	51.8	53.2	88	0		OK	24.12		30.01	25.04	overcast	10.00		9500
3:53	55.9	52.0	53.5	87	0		OK	24.12	29.87	30.01	25.04	overcast	10.00		9500
3:50	55.9	52.0	53.5	87	0		OK	24.12	29.86	30.01	25.04	overcast	10.00		9000
3:45	55.4	51.8	53.2	88	0		OK	24.12		30.01	25.04	overcast	10.00		9000
3:40	55.4	51.8	53.2	88	0		OK	24.12		30.01	25.04	overcast	10.00		9000
3:35	55.4	51.8	53.2	88	0		OK	24.12		30.01	25.04	overcast	10.00		8500
3:30	55.4	53.6	54.3	94	0		OK	24.12		30.01	25.04	overcast	10.00		8500
3:25	55.4	51.8	53.2	88	0		OK	24.12		30.01	25.04	overcast	10.00		8500
3:20	55.4	51.8	53.2	88	0		OK	24.12		30.01	25.04	overcast	10.00		8000
3:15	55.4	51.8	53.2	88	0		OK	24.12		30.01	25.04	overcast	10.00		8000
3:10	55.4	53.6	54.3	94	0		OK	24.12		30.01	25.04	overcast	10.00		8000
3:00	55.4	53.6	54.3	94	0		OK	24.12		30.01	25.04	overcast	10.00		8000
2:55	55.4	53.6	54.3	94	0		OK	24.12		30.01	25.04	overcast	10.00		8500
2:53	55.0	53.1	53.8	93	0		OK	24.12	29.84	30.01	25.04	overcast	10.00	0.03	8500
2:50	55.0	53.1	53.8	93	3	N	OK	24.12	29.84	30.01	25.04	mostly cloudy	10.00	0.03	8500

2:40	55.4	53.6	54.3	94	0		OK	24.12		30.01	25.04	mostly cloudy	10.00	9000
2:35	55.4	53.6	54.3	94	0		OK	24.12		30.01	25.04	mostly cloudy	10.00	9000
2:30	55.4	53.6	54.3	94	0		OK	24.12		30.01	25.04	partly cloudy	10.00	
2:25	55.4	51.8	53.2	88	0		OK	24.12		30.01	25.04	mostly clear	10.00	
2:20	55.4	53.6	54.3	94	0		OK	24.12		30.01	25.04	partly cloudy	10.00	
2:15	55.4	53.6	54.3	94	0		OK	24.12		30.01	25.04	partly cloudy	10.00	
2:05	55.4	53.6	54.3	94	3	NW	OK	24.12		30.01	25.04	partly cloudy	10.00	
2:00	55.4	51.8	53.2	88	3	NNW	OK	24.11		30.00	25.03	mostly cloudy	10.00	10000
1:55	55.4	51.8	53.2	88	0		OK	24.12		30.01	25.04	mostly cloudy	10.00	10000
1:53	55.9	52.0	53.5	87	0		OK	24.12	29.83	30.01	25.04	mostly cloudy	10.00	10000
1:50	57.0	52.0	53.9	83	0		OK	24.12	29.83	30.01	25.04	mostly cloudy	10.00	10000
1:45	57.2	53.6	54.9	88	0		OK	24.12		30.01	25.04	partly cloudy	10.00	
1:40	55.4	53.6	54.3	94	0		OK	24.12		30.01	25.04	mostly clear	10.00	
1:35	55.4	53.6	54.3	94	3	W	OK	24.12		30.01	25.04	mostly clear	10.00	
1:30	57.2	53.6	54.9	88	0		OK	24.12		30.01	25.04	mostly clear	10.00	
1:25	57.2	53.6	54.9	88	3	E	OK	24.12		30.01	25.04	mostly clear	10.00	
1:20	57.2	53.6	54.9	88	6	E	OK	24.12		30.01	25.04	mostly clear	10.00	
1:15	57.2	53.6	54.9	88	6	ENE	OK	24.12		30.01	25.04	partly	10.00	

												cloudy				
1:10	57.2	53.6	54.9	88	6	E	OK	24.12		30.01	25.04	mostly clear	10.00			
1:05	57.2	53.6	54.9	88	5	ENE	OK	24.13		30.02	25.05	mostly clear	10.00			
1:00	57.2	53.6	54.9	88	7	ENE	OK	24.13		30.02	25.05	partly cloudy	10.00			
0:53	57.0	54.0	55.1	89	8	NE	OK	24.13	29.84	30.02	25.05	mostly cloudy	10.00	0.030		10000
0:45	57.2	53.6	54.9	88	7	NE	OK	24.13		30.02	25.05	mostly cloudy	10.00	0.030		9000
0:40	57.2	53.6	54.9	88	7	NE	OK	24.13		30.02	25.05	mostly cloudy	10.00	0.030		7500
0:35	57.2	53.6	54.9	88	6	NE	OK	24.13		30.02	25.05	lt rain	10.00	0.030		7500
0:30	57.2	53.6	54.9	88	5	NNE	OK	24.13		30.02	25.05	lt rain	10.00	0.030		7000
0:20	57.2	53.6	54.9	88	6	NNE	OK	24.13		30.02	25.05	lt rain	10.00	0.020		7000
0:15	57.2	53.6	54.9	88	7	N	OK	24.13		30.03	25.06	lt rain	8.00	0.020		6500
0:10	57.2	53.6	54.9	88	7	N	OK	24.13		30.03	25.06	mod rain, fog	5.00	0.020		6500
0:05	57.2	53.6	54.9	88	5	NNW	OK	24.13		30.03	25.06	mod rain, fog	5.00	0.010		6500
0:00	57.2	53.6	54.9	88	0		OK	24.13		30.03	25.06	lt rain	8.00	0.000		6500
23:55	57.2	53.6	54.9	88	0		OK	24.13		30.03	25.06	overcast	10.00			7000
23:53	57.9	54.0	55.4	87	0		OK	24.13	29.85	30.03	25.06	overcast	10.00		0.05	9500
23:50	57.9	54.0	55.4	87	0		OK	24.13	29.85	30.03	25.06	overcast	10.00		0.05	9500
23:45	57.2	53.6	54.9	88	0		OK	24.13		30.03	25.06	overcast	10.00			9500
23:40	57.2	55.4	56.1	94	0		OK	24.13		30.03	25.06	overcast	10.00			9500
23:35	57.2	55.4	56.1	94	0		OK	24.13		30.03	25.06	overcast	10.00			9500
23:30	57.2	53.6	54.9	88	3	W	OK	24.13		30.03	25.06	overcast	10.00			9500
23:25	57.2	53.6	54.9	88	3	W	OK	24.13		30.03	25.06	overcast	10.00			9500
23:20	57.2	53.6	54.9	88	3	WSW	OK	24.13		30.03	25.06	overcast	10.00			9500
23:15	57.2	53.6	54.9	88	0		OK	24.13		30.03	25.06	overcast	10.00			9500
23:10	57.2	53.6	54.9	88	0		OK	24.13		30.03	25.06	overcast	10.00			9000
23:05	57.2	53.6	54.9	88	0		OK	24.13		30.03	25.06	overcast	10.00			9500

23:00	57.2	53.6	54.9	88	0		OK	24.13		30.03	25.06	overcast	10.00		9500
22:55	57.2	53.6	54.9	88	0		OK	24.13		30.03	25.06	mostly cloudy	10.00		9500
22:53	57.0	53.1	54.5	87	0		OK	24.13	29.87	30.03	25.06	mostly cloudy	10.00		9500
22:45	57.2	53.6	54.9	88	0		OK	24.13		30.03	25.06	mostly cloudy	10.00		9500
22:40	57.2	53.6	54.9	88	0		OK	24.13		30.02	25.05	partly cloudy	10.00		
22:35	57.2	53.6	54.9	88	0		OK	24.13		30.02	25.05	partly cloudy	10.00		
22:30	57.2	53.6	54.9	88	0		OK	24.13		30.02	25.05	partly cloudy	10.00		
22:20	57.2	53.6	54.9	88	3	W	OK	24.13		30.02	25.05	partly cloudy	10.00		
22:15	57.2	53.6	54.9	88	5	N	OK	24.13		30.02	25.05	mostly cloudy	10.00		10000
22:10	57.2	53.6	54.9	88	5	N	OK	24.13		30.02	25.05	mostly cloudy	10.00		10000
22:05	57.2	53.6	54.9	88	5	N	OK	24.13		30.02	25.05	mostly cloudy	10.00		10000
22:00	57.2	53.6	54.9	88	5	N	OK	24.13		30.02	25.05	overcast	10.00		10000
21:55	57.2	53.6	54.9	88	6	N	OK	24.13		30.03	25.06	overcast	10.00		10000
21:53	57.0	54.0	55.1	89	7	NNW	OK	24.13	29.87	30.03	25.06	overcast	10.00	0.020	10000
21:50	57.0	54.0	55.1	89	7	NNW	OK	24.13	29.87	30.03	25.06	overcast	10.00	0.020	10000
21:45	57.2	53.6	54.9	88	6	N	OK	24.13		30.03	25.06	overcast	10.00	0.020	10000
21:40	57.2	53.6	54.9	88	7	N	OK	24.13		30.03	25.06	overcast	10.00	0.020	8500
21:35	57.2	53.6	54.9	88	6	N	OK	24.14		30.04	25.07	overcast	10.00	0.020	8500
21:30	57.2	55.4	56.1	94	6	N	OK	24.14		30.04	25.07	lt rain	10.00	0.020	8000
21:25	59.0	55.4	56.7	88	6	N	OK	24.14		30.04	25.07	lt rain	10.00	0.020	7000
21:20	57.2	55.4	56.1	94	7	N	OK	24.13		30.03	25.06	lt rain	8.00	0.020	7000
21:15	59.0	55.4	56.7	88	8	N	OK	24.14		30.04	25.07	mod rain	7.00	0.010	7000
21:10	59.0	55.4	56.7	88	9	NE	OK	24.14		30.04	25.07	mod rain	9.00	0.010	7000
21:05	59.0	55.4	56.7	88	8	NE	OK	24.14		30.04	25.07	lt rain	10.00	0.000	7000

21:00	59.0	55.4	56.7	88	6	NE	OK	24.14		30.04	25.07	overcast	10.00			7500
20:55	59.0	55.4	56.7	88	0		OK	24.14		30.04	25.07	overcast	10.00			7000
20:53	59.0	55.4	56.7	88	3	NE	OK	24.13	29.88	30.03	25.06	lt rain	10.00	0.030	0.03	7000
20:50	59.0	55.0	56.5	87	3	NNE	OK	24.13	29.88	30.03	25.06	lt rain	10.00	0.030	0.03	7000
20:45	59.0	55.4	56.7	88	3	E	OK	24.13		30.03	25.06	lt rain	9.00	0.030		7000
20:35	59.0	55.4	56.7	88	3	E	OK	24.13		30.03	25.06	mod rain	7.00	0.020		7500
20:30	59.0	55.4	56.7	88	0		OK	24.13		30.03	25.06	lt rain	8.00	0.020		8000
20:25	59.0	55.4	56.7	88	0		OK	24.13		30.02	25.05	lt rain	10.00	0.010		7500
20:20	59.0	55.4	56.7	88	0		OK	24.13		30.02	25.05	lt rain	10.00	0.010		8000
20:15	59.0	55.4	56.7	88	3	S	OK	24.13		30.02	25.05	lt rain	10.00	0.000		6000
20:10	59.0	55.4	56.7	88	3	SSW	OK	24.13		30.02	25.05	overcast	10.00			5500
20:05	59.0	55.4	56.7	88	0		OK	24.12		30.01	25.04	overcast	10.00			5500
20:00	59.0	55.4	56.7	88	0		OK	24.12		30.01	25.04	overcast	10.00			6000
19:55	59.0	55.4	56.7	88	3	SSE	OK	24.12		30.01	25.04	overcast	10.00			5500
19:53	59.0	55.4	56.7	88	5	S	OK	24.12	29.87	30.01	25.04	overcast	10.00			6000
19:50	59.0	55.0	56.5	87	6	SSE	OK	24.12	29.87	30.01	25.04	overcast	10.00			5500
19:45	59.0	55.4	56.7	88	3	SE	OK	24.11		30.00	25.03	overcast	10.00			9000
19:40	60.8	55.4	57.3	82	5	SSE	OK	24.11		30.00	25.03	overcast	10.00			9000
19:35	60.8	55.4	57.3	82	0		OK	24.11		30.00	25.03	overcast	10.00			9000
19:30	60.8	55.4	57.3	82	5	ESE	OK	24.10		29.99	25.02	overcast	10.00			9000
19:25	60.8	55.4	57.3	82	0		OK	24.10		29.99	25.02	overcast	10.00			8500
19:20	60.8	53.6	56.2	77	0		OK	24.10		29.99	25.02	overcast	10.00			8500
19:15	60.8	53.6	56.2	77	0		OK	24.10		29.99	25.02	overcast	10.00			8500
19:10	60.8	53.6	56.2	77	0		OK	24.10		29.99	25.02	overcast	10.00			8500
19:05	60.8	53.6	56.2	77	0		OK	24.10		29.99	25.02	overcast	10.00			9000
19:00	60.8	55.4	57.3	82	0		OK	24.10		29.99	25.02	overcast	10.00			9000
18:55	60.8	55.4	57.3	82	0		OK	24.10		29.99	25.02	mostly cloudy	10.00			9000
18:53	60.1	55.0	56.8	83	0		OK	24.11	29.86	30.00	25.03	mostly cloudy	10.00	0.001		9000
18:50	60.1	55.0	56.8	83	3	SSW	OK	24.11	29.86	30.00	25.03	mostly cloudy	10.00	0.001		8500
18:45	60.8	53.6	56.2	77	0		OK	24.11		30.00	25.03	mostly	10.00	0.000		8500

												cloudy					
18:40	60.8	53.6	56.2	77	5		WNW	OK	24.11		30.00	25.03	mostly cloudy	10.00	0.000		8500
18:35	60.8	53.6	56.2	77	5			OK	24.11		30.00	25.03	mostly cloudy	10.00	0.000		8500
18:30	60.8	55.4	57.3	82	0			OK	24.11		30.00	25.03	mostly cloudy	10.00	0.000		9000
18:25	60.8	53.6	56.2	77	3		N	OK	24.11		30.00	25.03	overcast	10.00	0.000		9000
18:20	60.8	53.6	56.2	77	7		NNE	OK	24.11		30.00	25.03	overcast	10.00	0.000		9000
18:15	60.8	53.6	56.2	77	9		NE	OK	24.11		30.00	25.03	overcast	10.00	0.000		9000
18:05	60.8	53.6	56.2	77	14		NE	OK	24.11		30.00	25.03	overcast	10.00	0.000		9000
18:00	59.0	53.6	55.6	82	12		NE	OK	24.11		30.00	25.03	overcast	10.00	0.000		9000
17:55	59.0	53.6	55.6	82	13		NE	OK	24.11		30.00	25.03	lt rain	10.00	0.000		8000
17:53	59.0	53.6	55.6	82	16		NE	OK	24.11	29.87	30.00	25.03	lt rain	10.00	0.050	0.13	8000
17:50	59.0	54.0	55.8	83	15		NE	OK	24.11	29.87	30.00	25.03	thunder, lt rain	8.00	0.050	0.13	7500
17:45	59.0	53.6	55.6	82	14		NE	OK	24.11		30.00	25.03	thunder, lt rain	6.00	0.050		7000
17:40	59.0	53.6	55.6	82	12		NE	OK	24.12		30.01	25.04	thunder, lt rain	7.00	0.050		7500
17:35	59.0	53.6	55.6	82	7		ENE	OK	24.13		30.02	25.05	thunder, lt rain	10.00	0.040		6000
17:30	59.0	53.6	55.6	82	10		NE	OK	24.13		30.02	25.05	thunder, lt rain	10.00	0.040		7500
17:25	59.0	53.6	55.6	82	13		NE	OK	24.13		30.02	25.05	thunder, lt rain	6.00	0.040		6500
17:20	60.8	51.8	55.1	72	7	22	ENE	OK	24.13		30.02	25.05	thunder, mod rain	5.00	0.040		6000
17:15	60.8	51.8	55.1	72	14	22	ENE	OK	24.13		30.02	25.05	thunder, lt rain	6.00	0.030		5500
17:10	59.0	53.6	55.6	82	13	22	NNE	OK	24.13		30.02	25.05	thunder, lt rain	8.00	0.030		5500
17:09	59.0	53.6	55.6	82	9		NNE	OK	24.13		30.02	25.05	thunder, lt rain	9.00	0.030		5500

17:05	59.0	53.6	55.6	82	9		NNE	OK	24.12		30.01	25.04	thunder, lt rain	5.00	0.020	6000
17:00	59.0	51.8	54.5	77	9		NNE	OK	24.12		30.01	25.04	thunder, mod rain	2.00	0.020	6000
16:53	59.0	51.8	54.5	77	15		NE	OK	24.12	29.89	30.01	25.04	thunder, mod rain	3.00	0.070	6000
16:50	60.1	51.1	54.4	72	14		NNE	OK	24.13	29.89	30.02	25.05	thunder, lt rain	5.00	0.020	6000
16:40	60.8	50.0	54.1	68	16	21	N	OK	24.12		30.01	25.04	thunder	9.00	0.000	6000
16:35	60.8	51.8	55.1	72	14	21	N	OK	24.12		30.01	25.04	thunder	10.00	0.000	7000
16:30	60.8	51.8	55.1	72	15	23	NNW	OK	24.12		30.01	25.04	lt rain thunder shwr	10.00	0.000	10000
16:20	62.6	51.8	55.7	68	14	21	NW	OK	24.12		30.01	25.04	lt rain thunder shwr	10.00	0.000	8500
16:15	62.6	51.8	55.7	68	15	21	NW	OK	24.12		30.01	25.04	thunder	10.00		4500
16:10	64.4	51.8	56.4	64	14	18	WNW	OK	24.13		30.02	25.05	thunder	10.00		4700
16:05	64.4	50.0	55.4	60	7			OK	24.12		30.01	25.04	thunder	10.00		8000
16:00	64.4	51.8	56.4	64	14		E	OK	24.11		30.00	25.03	thunder	10.00		8000
15:53	64.0	50.0	55.2	60	8		ENE	OK	24.11	29.86	30.00	25.03	thunder	10.00	0.010	7500
15:50	64.0	50.0	55.2	60	9		ENE	OK	24.11	29.85	30.00	25.03	thunder	10.00	0.010	8000
15:45	64.4	50.0	55.4	60	10		E	OK	24.11		30.00	25.03	thunder	10.00	0.010	8000
15:30	60.8	51.8	55.1	72	17	22	ESE	OK	24.11		30.00	25.03	lt rain thunder shwr	10.00	0.010	8000
15:25	60.8	53.6	56.2	77	15	26	ESE	OK	24.12		30.01	25.04	lt rain thunder shwr	9.00	0.000	8000
15:20	64.4	55.4	58.5	73	21	26	SE	OK	24.13		30.02	25.05	lt rain thunder shwr	10.00	0.000	7000
15:15	64.4	53.6	57.4	68	12		ESE	OK	24.12		30.01	25.04	thunder	10.00	0.000	9000
15:05	64.4	55.4	58.5	73	12		ESE	OK	24.12		30.01	25.04	thunder, lt rain	8.00	0.000	9500

15:00	66.2	55.4	59.1	68	17		SE	OK	24.12		30.01	25.04	thunder, lt rain	8.00	0.000	8000
14:55	69.8	53.6	59.2	56	20		SE	OK	24.12		30.01	25.04	thunder	10.00		9500
14:53	70.0	53.1	58.9	55	17	22	SE	OK	24.12	29.84	30.01	25.04	thunder	10.00		
14:45	71.6	51.8	58.8	50	12		ESE	OK	24.12		30.01	25.04	mostly clear	10.00		
14:40	71.6	51.8	58.8	50	10		ESE	OK	24.12		30.01	25.04	mostly clear	9.00		
14:35	73.4	53.6	60.3	50	10	21	ESE	OK	24.12		30.01	25.04	partly cloudy	9.00		
14:30	73.4	53.6	60.3	50	13	22	ESE	OK	24.12		30.01	25.04	partly cloudy	10.00		
14:25	73.4	53.6	60.3	50	17	22	SE	OK	24.12		30.01	25.04	partly cloudy	10.00		
14:20	73.4	53.6	60.3	50	13	18	ESE	OK	24.12		30.01	25.04	mostly cloudy	10.00		5500
14:15	71.6	51.8	58.8	50	13	21	ESE	OK	24.13		30.02	25.05	mostly cloudy	10.00		7000
14:10	71.6	53.6	59.8	53	14		SE	OK	24.13		30.02	25.05	mostly cloudy	10.00		4800
14:05	71.6	53.6	59.8	53	15		SE	OK	24.13		30.02	25.05	mostly cloudy	10.00		6000
14:00	73.4	53.6	60.3	50	12		ESE	OK	24.13		30.02	25.05	mostly cloudy	10.00		7500
13:55	71.6	53.6	59.8	53	12		ESE	OK	24.13		30.03	25.06	mostly cloudy	10.00		6000
13:53	71.1	52.0	58.7	51	10		E	OK	24.13	29.84	30.03	25.06	mostly cloudy	10.00		6000
13:50	70.0	52.0	58.3	53	13		ESE	OK	24.13	29.85	30.03	25.06	mostly cloudy	10.00		4800
13:45	69.8	53.6	59.2	56	9		ESE	OK	24.13		30.03	25.06	mostly cloudy	10.00		4800
13:40	71.6	53.6	59.8	53	10		SE	OK	24.14		30.04	25.07	mostly cloudy	10.00		4800
13:35	71.6	53.6	59.8	53	10		ESE	OK	24.14		30.04	25.07	mostly	10.00		4800

													cloudy		
13:30	71.6	53.6	59.8	53	9	17	SSE	OK	24.14		30.04	25.07	mostly cloudy	10.00	4800
13:25	69.8	53.6	59.2	56	9		ESE	OK	24.14		30.04	25.07	mostly cloudy	10.00	4800
13:20	69.8	53.6	59.2	56	8		SE	OK	24.14		30.04	25.07	mostly cloudy	10.00	4000
13:15	71.6	53.6	59.8	53	10		SE	OK	24.14		30.04	25.07	mostly cloudy	10.00	4000
13:10	69.8	53.6	59.2	56	5		SSE	OK	24.14		30.04	25.07	mostly cloudy	10.00	4000
13:05	69.8	53.6	59.2	56	7		S	OK	24.15		30.05	25.07	mostly cloudy	10.00	4600
13:00	71.6	53.6	59.8	53	7		E	OK	24.15		30.05	25.07	mostly cloudy	10.00	4300
12:55	71.6	53.6	59.8	53	7		SE	OK	24.15		30.05	25.07	mostly cloudy	10.00	4300
12:53	70.0	54.0	59.5	57	9		SSE	OK	24.15	29.87	30.05	25.07	mostly cloudy	10.00	4300
12:50	68.0	54.0	58.8	61	7		ESE	OK	24.15	29.88	30.05	25.07	partly cloudy	10.00	
12:45	69.8	53.6	59.2	56	9		ESE	OK	24.15		30.05	25.07	mostly clear	10.00	
12:40	69.8	53.6	59.2	56	8		SSE	OK	24.16		30.06	25.08	partly cloudy	10.00	
12:35	69.8	55.4	60.2	60	6		ESE	OK	24.16		30.06	25.08	mostly clear	10.00	
12:30	69.8	53.6	59.2	56	7		ESE	OK	24.16		30.06	25.08	clear	10.00	
12:25	71.6	55.4	60.8	57	8		SE	OK	24.16		30.06	25.08	mostly clear	10.00	
12:20	69.8	53.6	59.2	56	3			OK	24.17		30.07	25.09	mostly clear	10.00	
12:15	69.8	55.4	60.2	60	7		SSE	OK	24.17		30.07	25.09	clear	10.00	
12:10	69.8	53.6	59.2	56	10		SSE	OK	24.17		30.07	25.09	clear	10.00	
12:05	69.8	53.6	59.2	56	7		SSE	OK	24.17		30.08	25.10	clear	10.00	

12:00	69.8	53.6	59.2	56	6	SSE	OK	24.17		30.08	25.10	clear	10.00	
11:55	69.8	53.6	59.2	56	12	SSE	OK	24.17		30.08	25.10	clear	10.00	
11:53	69.1	54.0	59.2	59	10	S	OK	24.17	29.90	30.08	25.10	clear	10.00	
11:50	69.1	54.0	59.2	59	9	SSE	OK	24.17	29.91	30.08	25.10	mostly clear	10.00	
11:45	69.8	53.6	59.2	56	9	SSE	OK	24.18		30.09	25.11	mostly clear	10.00	
11:40	69.8	53.6	59.2	56	8	SSE	OK	24.18		30.09	25.11	mostly clear	10.00	
11:35	69.8	53.6	59.2	56	9	SE	OK	24.18		30.09	25.11	mostly clear	10.00	
11:30	69.8	53.6	59.2	56	8	SE	OK	24.18		30.09	25.11	mostly clear	10.00	
11:25	69.8	53.6	59.2	56	10	SE	OK	24.18		30.09	25.11	mostly clear	10.00	
11:20	68.0	53.6	58.6	60	9	SSE	OK	24.18		30.09	25.11	mostly clear	10.00	
11:15	68.0	53.6	58.6	60	8	SSE	OK	24.18		30.09	25.11	partly cloudy	10.00	
11:10	68.0	53.6	58.6	60	8	S	OK	24.19		30.10	25.12	partly cloudy	10.00	
11:05	66.2	53.6	58.0	64	6	SSE	OK	24.19		30.10	25.12	partly cloudy	10.00	
11:00	68.0	53.6	58.6	60	6		OK	24.19		30.10	25.12	mostly cloudy	10.00	10000
10:55	66.2	51.8	57.0	60	0		OK	24.19		30.10	25.12	mostly cloudy	10.00	10000
10:53	66.9	52.0	57.3	59	3	ESE	OK	24.19	29.93	30.10	25.12	partly cloudy	10.00	
10:50	66.9	52.0	57.3	59	3	SE	OK	24.19	29.92	30.10	25.12	partly cloudy	10.00	
10:45	68.0	53.6	58.6	60	5	S	OK	24.19		30.10	25.12	mostly clear	10.00	
10:40	66.2	51.8	57.0	60	0		OK	24.19		30.10	25.12	partly cloudy	10.00	

10:35	66.2	53.6	58.0	64	3	SE	OK	24.19		30.10	25.12	partly cloudy	10.00	
10:30	66.2	51.8	57.0	60	3		OK	24.19		30.10	25.12	partly cloudy	10.00	
10:25	66.2	53.6	58.0	64	5	SSE	OK	24.20		30.11	25.12	partly cloudy	10.00	
10:20	68.0	53.6	58.6	60	5		OK	24.20		30.11	25.12	partly cloudy	10.00	
10:15	66.2	53.6	58.0	64	5	E	OK	24.19		30.10	25.12	partly cloudy	10.00	
10:10	66.2	51.8	57.0	60	3	E	OK	24.19		30.10	25.12	partly cloudy	10.00	
10:05	66.2	53.6	58.0	64	5	E	OK	24.19		30.10	25.12	mostly cloudy	10.00	5500
10:00	66.2	53.6	58.0	64	5	ESE	OK	24.19		30.10	25.12	mostly cloudy	10.00	4000
9:55	66.2	53.6	58.0	64	5	ESE	OK	24.19		30.10	25.12	mostly cloudy	10.00	4000
9:53	66.0	53.1	57.6	63	5	ESE	OK	24.19	29.92	30.10	25.12	mostly cloudy	10.00	4000
9:50	66.0	53.1	57.6	63	5	E	OK	24.20	29.92	30.11	25.12	mostly cloudy	10.00	4000
9:45	66.2	53.6	58.0	64	3	ESE	OK	24.19		30.10	25.12	mostly cloudy	10.00	4000
9:40	64.4	53.6	57.4	68	3	SE	OK	24.19		30.10	25.12	mostly cloudy	10.00	3800
9:30	64.4	51.8	56.4	64	3	E	OK	24.19		30.10	25.12	overcast	10.00	3800
9:25	64.4	51.8	56.4	64	3	E	OK	24.19		30.10	25.12	mostly cloudy	10.00	3800
9:20	64.4	51.8	56.4	64	0		OK	24.19		30.10	25.12	mostly cloudy	10.00	3800
9:15	64.4	51.8	56.4	64	0		OK	24.19		30.10	25.12	mostly cloudy	10.00	3800
9:10	64.4	51.8	56.4	64	0		OK	24.19		30.10	25.12	mostly cloudy	10.00	3800

9:05	62.6	51.8	55.8	68	0		OK	24.19		30.10	25.12	mostly cloudy	10.00	3800
9:00	62.6	51.8	55.8	68	0		OK	24.19		30.10	25.12	mostly cloudy	10.00	3800
8:55	64.4	51.8	56.4	64	0		OK	24.19		30.10	25.12	mostly cloudy	10.00	3800
8:53	63.0	52.0	56.0	67	0		OK	24.19	29.93	30.10	25.12	mostly cloudy	10.00	3800
8:45	62.6	51.8	55.8	68	0		OK	24.19		30.10	25.12	overcast	10.00	3800
8:40	62.6	51.8	55.8	68	0		OK	24.19		30.10	25.12	overcast	10.00	3800
8:35	60.8	51.8	55.1	72	0		OK	24.19		30.10	25.12	overcast	10.00	3800
8:30	60.8	51.8	55.1	72	0		OK	24.19		30.10	25.12	overcast	10.00	4000
8:25	60.8	53.6	56.2	77	0		OK	24.19		30.10	25.12	overcast	10.00	5000
8:20	60.8	51.8	55.1	72	0		OK	24.19		30.10	25.12	overcast	10.00	4000
8:15	60.8	53.6	56.2	77	0		OK	24.19		30.10	25.12	overcast	10.00	4000
8:10	60.8	53.6	56.2	77	0		OK	24.19		30.10	25.12	overcast	10.00	4000
8:00	60.8	53.6	56.2	77	0		OK	24.19		30.10	25.12	overcast	10.00	4200
7:53	59.0	51.8	54.5	77	0		OK	24.19	29.94	30.10	25.12	overcast	10.00	4200
7:50	59.0	52.0	54.6	78	0		OK	24.19	29.94	30.10	25.12	overcast	10.00	4200
7:45	59.0	51.8	54.5	77	0		OK	24.19		30.10	25.12	overcast	10.00	5000
7:40	59.0	51.8	54.5	77	0		OK	24.19		30.10	25.12	overcast	10.00	4200
7:30	57.2	51.8	53.8	82	0		OK	24.19		30.10	25.12	overcast	10.00	4200
7:25	57.2	51.8	53.8	82	0		OK	24.18		30.09	25.11	overcast	10.00	4200
7:20	59.0	51.8	54.5	77	0		OK	24.19		30.10	25.12	overcast	10.00	4200
7:15	57.2	51.8	53.8	82	0		OK	24.19		30.10	25.12	overcast	10.00	4200
7:10	57.2	51.8	53.8	82	0		OK	24.19		30.10	25.12	overcast	10.00	4200
7:05	57.2	51.8	53.8	82	0		OK	24.18		30.09	25.11	overcast	10.00	4200
7:00	57.2	51.8	53.8	82	0		OK	24.18		30.09	25.11	overcast	10.00	4200
6:55	57.2	51.8	53.8	82	0		OK	24.18		30.09	25.11	overcast	10.00	4200
6:53	57.0	52.0	53.9	83	0		OK	24.18	29.93	30.09	25.11	overcast	10.00	4200
6:50	57.0	52.0	53.9	83	0		OK	24.18	29.93	30.09	25.11	overcast	10.00	4200
6:45	57.2	51.8	53.8	82	3	N	OK	24.18		30.09	25.11	overcast	10.00	4200
6:40	57.2	51.8	53.8	82	5	NE	OK	24.18		30.09	25.11	mostly cloudy	10.00	4200

6:35	57.2	51.8	53.8	82	5	NE	OK	24.18		30.09	25.11	mostly cloudy	10.00			4200
6:30	57.2	51.8	53.8	82	3	NE	OK	24.18		30.09	25.11	mostly cloudy	10.00			4200
6:25	55.4	51.8	53.2	88	3	NE	OK	24.18		30.09	25.11	mostly cloudy	10.00			4200
6:20	55.4	51.8	53.2	88	3	NE	OK	24.18		30.09	25.11	mostly cloudy	10.00			5500
6:10	55.4	51.8	53.2	88	3	NE	OK	24.18		30.09	25.11	mostly cloudy	10.00			5500
6:00	55.4	51.8	53.2	88	0		OK	24.18		30.09	25.11	mostly cloudy	10.00			4600
5:55	57.2	51.8	53.8	82	0		OK	24.19		30.10	25.12	overcast	10.00			4600
5:53	57.0	51.1	53.4	81	0		OK	24.19	29.91	30.10	25.12	overcast	10.00		0.19	4600
5:50	57.0	51.1	53.4	81	0		OK	24.18	29.91	30.09	25.11	overcast	10.00		0.19	4600
5:45	57.2	51.8	53.8	82	0		OK	24.18		30.09	25.11	overcast	10.00			4800
5:40	57.2	51.8	53.8	82	0		OK	24.18		30.09	25.11	overcast	10.00			4800
5:35	57.2	51.8	53.8	82	0		OK	24.18		30.09	25.11	overcast	10.00			5000
5:25	57.2	51.8	53.8	82	0		OK	24.19		30.10	25.12	mostly cloudy	10.00			5000
5:20	57.2	50.0	52.8	77	0		OK	24.19		30.10	25.12	mostly cloudy	10.00			5000
5:15	57.2	50.0	52.8	77	0		OK	24.19		30.10	25.12	mostly cloudy	10.00			11000
5:10	55.4	50.0	52.1	82	0		OK	24.19		30.10	25.12	partly cloudy	10.00			
5:05	55.4	50.0	52.1	82	0		OK	24.19		30.10	25.12	partly cloudy	10.00			

Past Weather Conditions for KPUC

Observations prior to selected time: September 15, 2013 - 06:00 MDT

Weather Conditions at September 15, 2013 - 6:00 MDT

Graphical Links	With Prior Obs	6:00	24 Hour Max	24 Hour Min
Temperature	Temperature	55.4° F	69.8 at 13:55	53.6 at 4:40
Dew Point	Dew Point	53.6° F	55.9 at 10:53	48.2 at 15:00
Wet_Bulb Temperature	Wet_Bulb Temperature	54.3° F	59.2 at 13:55	52.5 at 4:40
Relative Humidity	Relative Humidity	94%	94 at 8:40	56 at 13:55
Wind Speed	Wind Speed	3 mph from SSW	18 at 14:53	0 at 7:00
Wind Gust	Wind Gust	-	24 at 14:53	18 at 15:05
Pressure	Pressure	24.21 in	24.21 at 5:53	24.12 at 13:45
Sea_level pressure	Sea_level pressure	-	29.99 at 5:53	29.84 at 13:50
Altimeter	Altimeter	30.12 in	30.12 at 5:53	30.01 at 13:45
1500_m Pressure	1500_m Pressure	25.13in	25.13 at 5:53	25.04 at 13:45
Weather conditions	Weather conditions	overcast	-	-
Visibility	Visibility	10.00 miles	10.00 at 6:00	6.00 at 7:53
Ceiling	Ceiling	3300 feet	12000 at 9:35	1600 at 11:10

Precipitation variable accumulated	Since Midnight	In 24 Hours
Precipitation 1hr	0.01"	0.03"
Precipitation 6hr	0.02"	0.06"

Tabular Listing: September 14, 2013 - 6:00 through September 15, 2013 - 06:00 MDT

Time(MDT)	Temperature	Dew Point	Wet Bulb Temperature	Relative Humidity	Wind Speed	Wind Gust	Wind Direction	Quality check	Pressure	Sea level pressure	Altimeter	1500 m Pressure	Weather conditions	Visibility	Precipitation 1hr	Precipitation 6hr	Precipitation 24hr	Ceiling
	° F	° F	° F	%	mph	mph			in	in	in	in		miles	in	in	in	feet
6:00	55.4	53.6	54.3	94	3		SSW	OK	24.21		30.12	25.13	overcast	10.00				3300
5:55	55.4	53.6	54.3	94	6		SW	OK	24.21		30.12	25.13	overcast	10.00				7000
5:53	55.0	53.1	53.8	93	6		SW	OK	24.21	29.99	30.12	25.13	overcast	10.00		0.01	0.03	8000
5:50	55.9	53.1	54.2	90	5		SSW	OK	24.20	29.98	30.11	25.12	overcast	10.00		0.01	0.03	8000
5:40	57.2	53.6	54.9	88	5		ENE	OK	24.20		30.11	25.12	overcast	10.00				8000
5:35	57.2	53.6	54.9	88	6		NE	OK	24.20		30.11	25.12	overcast	10.00				7500
5:30	55.4	53.6	54.3	94	6		NE	OK	24.20		30.11	25.12	overcast	10.00				7500
5:25	55.4	53.6	54.3	94	6		NE	OK	24.20		30.11	25.12	overcast	10.00				8000

5:20	55.4	53.6	54.3	94	8	NE	OK	24.20		30.11	25.12	overcast	10.00		7500
5:15	55.4	53.6	54.3	94	8	NE	OK	24.20		30.11	25.12	overcast	10.00		7500
5:10	55.4	53.6	54.3	94	7	NE	OK	24.20		30.11	25.12	overcast	10.00		7500
5:05	55.4	53.6	54.3	94	7	NE	OK	24.19		30.10	25.12	overcast	10.00		7500
5:00	55.4	53.6	54.3	94	7	NE	OK	24.19		30.10	25.12	overcast	10.00		7000
4:53	55.0	52.0	53.2	89	5	NE	OK	24.19	29.97	30.10	25.12	overcast	10.00	0.01	7000
4:45	53.6	51.8	52.5	94	3	NE	OK	24.19		30.10	25.12	mostly cloudy	10.00	0.01	7000
4:40	53.6	51.8	52.5	94	0		OK	24.19		30.10	25.12	mostly cloudy	10.00		7000
4:35	55.4	51.8	53.2	88	0		OK	24.19		30.10	25.12	mostly cloudy	10.00		7000
4:30	55.4	51.8	53.2	88	0		OK	24.19		30.10	25.12	partly cloudy	10.00		
4:20	55.4	51.8	53.2	88	0		OK	24.19		30.10	25.12	clear	10.00		
4:15	55.4	51.8	53.2	88	0		OK	24.19		30.10	25.12	clear	10.00		
4:10	55.4	51.8	53.2	88	0		OK	24.19		30.10	25.12	clear	10.00		
4:00	55.4	51.8	53.2	88	0		OK	24.18		30.09	25.11	clear	10.00		
3:55	55.4	51.8	53.2	88	0		OK	24.18		30.09	25.11	mostly clear	10.00		
3:53	55.9	52.0	53.5	87	0		OK	24.18	29.97	30.09	25.11	mostly clear	10.00		
3:50	55.9	52.0	53.5	87	0		OK	24.18	29.97	30.09	25.11	partly cloudy	10.00		
3:40	55.4	51.8	53.2	88	0		OK	24.18		30.09	25.11	mostly cloudy	10.00		10000
3:35	55.4	51.8	53.2	88	0		OK	24.18		30.09	25.11	mostly cloudy	10.00		10000
3:30	55.4	53.6	54.3	94	0		OK	24.18		30.09	25.11	overcast	10.00		10000
3:25	55.4	53.6	54.3	94	0		OK	24.17		30.08	25.10	overcast	10.00		10000
3:20	55.4	53.6	54.3	94	0		OK	24.17		30.08	25.10	overcast	10.00		10000
3:15	55.4	53.6	54.3	94	3	W	OK	24.17		30.08	25.10	overcast	10.00		10000
3:05	55.4	53.6	54.3	94	0		OK	24.17		30.08	25.10	overcast	10.00		10000
3:00	57.2	53.6	54.9	88	3	WSW	OK	24.17		30.08	25.10	overcast	10.00		10000
2:55	57.2	53.6	54.9	88	3	WSW	OK	24.17		30.08	25.10	overcast	10.00		10000
2:53	57.0	54.0	55.1	89	3	SW	OK	24.17	29.93	30.08	25.10	overcast	10.00		10000
2:50	57.0	54.0	55.1	89	3	SW	OK	24.17	29.93	30.08	25.10	overcast	10.00		10000
2:45	57.2	53.6	54.9	88	0		OK	24.17		30.08	25.10	overcast	10.00		10000
2:40	57.2	53.6	54.9	88	0		OK	24.17		30.08	25.10	overcast	10.00		10000
2:35	57.2	53.6	54.9	88	0		OK	24.17		30.08	25.10	overcast	10.00		10000
2:30	57.2	53.6	54.9	88	3	ENE	OK	24.17		30.08	25.10	overcast	10.00		10000
2:25	57.2	53.6	54.9	88	0		OK	24.17		30.08	25.10	overcast	10.00		10000

2:20	57.2	53.6	54.9	88	3	NE	OK	24.17		30.08	25.10	overcast	10.00	10000
2:15	57.2	53.6	54.9	88	0		OK	24.17		30.08	25.10	overcast	10.00	10000
2:10	57.2	53.6	54.9	88	3	NE	OK	24.17		30.08	25.10	overcast	10.00	8000
2:00	57.2	53.6	54.9	88	5	N	OK	24.17		30.08	25.10	overcast	10.00	8000
1:55	57.2	53.6	54.9	88	5	N	OK	24.17		30.08	25.10	overcast	10.00	8000
1:53	57.0	54.0	55.1	89	6	N	OK	24.17	29.92	30.08	25.10	overcast	10.00	8000
1:50	57.0	54.0	55.1	89	5	N	OK	24.17	29.92	30.08	25.10	overcast	10.00	8000
1:45	57.2	53.6	54.9	88	5	N	OK	24.17		30.08	25.10	overcast	10.00	8000
1:40	57.2	53.6	54.9	88	3	N	OK	24.18		30.09	25.11	overcast	10.00	8000
1:30	57.2	53.6	54.9	88	0		OK	24.18		30.09	25.11	overcast	10.00	8000
1:25	57.2	53.6	54.9	88	0		OK	24.18		30.09	25.11	overcast	10.00	8000
1:20	57.2	53.6	54.9	88	3	NE	OK	24.18		30.09	25.11	overcast	10.00	8000
1:15	57.2	53.6	54.9	88	5	NE	OK	24.18		30.09	25.11	overcast	10.00	7500
1:10	57.2	53.6	54.9	88	3	NNE	OK	24.18		30.09	25.11	overcast	10.00	7500
1:05	57.2	53.6	54.9	88	3	NNE	OK	24.18		30.09	25.11	overcast	10.00	7500
1:00	57.2	53.6	54.9	88	5	NNE	OK	24.18		30.09	25.11	overcast	10.00	7500
0:55	57.2	53.6	54.9	88	5	NNE	OK	24.18		30.09	25.11	overcast	10.00	7500
0:53	57.0	53.1	54.5	87	6	NNE	OK	24.18	29.93	30.09	25.11	overcast	10.00	7500
0:50	57.0	53.1	54.5	87	3	N	OK	24.18	29.93	30.09	25.11	overcast	10.00	7500
0:40	57.2	53.6	54.9	88	5	N	OK	24.18		30.09	25.11	overcast	10.00	7500
0:35	55.4	53.6	54.3	94	3	N	OK	24.18		30.09	25.11	overcast	10.00	7500
0:30	55.4	53.6	54.3	94	3	NNW	OK	24.18		30.09	25.11	overcast	10.00	7500
0:25	55.4	51.8	53.2	88	0		OK	24.18		30.09	25.11	mostly cloudy	10.00	7500
0:20	55.4	51.8	53.2	88	0		OK	24.18		30.09	25.11	mostly cloudy	10.00	7500
0:15	55.4	53.6	54.3	94	0		OK	24.18		30.09	25.11	mostly cloudy	10.00	7500
0:10	55.4	53.6	54.3	94	0		OK	24.17		30.08	25.10	partly cloudy	10.00	
0:05	55.4	53.6	54.3	94	3	NNW	OK	24.17		30.08	25.10	mostly clear	10.00	
0:00	55.4	51.8	53.2	88	5	NNW	OK	24.17		30.08	25.10	clear	10.00	
23:55	55.4	51.8	53.2	88	5	N	OK	24.17		30.08	25.10	clear	10.00	
23:53	55.9	52.0	53.5	87	5	NNW	OK	24.17	29.94	30.08	25.10	clear	10.00	
23:50	55.9	53.1	54.2	90	5	N	OK	24.17	29.94	30.08	25.10	clear	10.00	
23:45	55.4	53.6	54.3	94	3	NNW	OK	24.17		30.08	25.10	clear	10.00	
23:40	55.4	53.6	54.3	94	3	NW	OK	24.17		30.08	25.10	clear	10.00	

23:35	55.4	53.6	54.3	94	3	WNW	OK	24.17		30.08	25.10	clear	10.00	
23:25	57.2	53.6	54.9	88	3	W	OK	24.17		30.08	25.10	mostly clear	10.00	
23:20	55.4	53.6	54.3	94	5	WNW	OK	24.17		30.08	25.10	mostly clear	10.00	
23:15	55.4	53.6	54.3	94	3	WNW	OK	24.17		30.08	25.10	mostly clear	10.00	
23:10	57.2	53.6	54.9	88	0		OK	24.17		30.08	25.10	mostly clear	10.00	
23:05	57.2	53.6	54.9	88	3	SW	OK	24.17		30.08	25.10	partly cloudy	10.00	
23:00	57.2	53.6	54.9	88	0		OK	24.17		30.08	25.10	mostly cloudy	10.00	10000
22:55	57.2	53.6	54.9	88	0		OK	24.17		30.08	25.10	partly cloudy	10.00	
22:53	57.9	53.1	54.9	84	0		OK	24.17	29.93	30.08	25.10	partly cloudy	10.00	
22:50	57.9	53.1	54.9	84	3	E	OK	24.17	29.93	30.08	25.10	mostly cloudy	10.00	10000
22:45	57.2	53.6	54.9	88	3	E	OK	24.17		30.07	25.09	mostly cloudy	10.00	10000
22:40	57.2	53.6	54.9	88	5	E	OK	24.17		30.07	25.09	mostly cloudy	10.00	10000
22:35	59.0	53.6	55.6	82	5	E	OK	24.17		30.07	25.09	mostly cloudy	10.00	10000
22:30	59.0	53.6	55.6	82	3	E	OK	24.17		30.07	25.09	mostly cloudy	10.00	10000
22:25	59.0	53.6	55.6	82	3	E	OK	24.17		30.07	25.09	mostly cloudy	10.00	10000
22:20	59.0	53.6	55.6	82	3	ENE	OK	24.17		30.07	25.09	mostly cloudy	10.00	10000
22:15	59.0	53.6	55.6	82	3	NE	OK	24.17		30.07	25.09	mostly cloudy	10.00	10000
22:10	59.0	53.6	55.6	82	5	NE	OK	24.17		30.07	25.09	mostly cloudy	10.00	10000
22:05	59.0	53.6	55.6	82	3	NNE	OK	24.17		30.07	25.09	mostly cloudy	10.00	10000
22:00	59.0	53.6	55.6	82	3	NNE	OK	24.17		30.07	25.09	overcast	10.00	10000
21:55	59.0	53.6	55.6	82	0		OK	24.17		30.07	25.09	overcast	10.00	10000
21:53	59.0	53.6	55.6	82	0		OK	24.17	29.92	30.07	25.09	overcast	10.00	10000
21:50	59.0	54.0	55.8	83	0		OK	24.17	29.92	30.07	25.09	overcast	10.00	10000
21:45	59.0	53.6	55.6	82	0		OK	24.17		30.07	25.09	overcast	10.00	10000
21:40	59.0	53.6	55.6	82	3	NNE	OK	24.17		30.07	25.09	overcast	10.00	10000
21:35	60.8	53.6	56.2	77	0		OK	24.17		30.07	25.09	overcast	10.00	10000
21:30	60.8	53.6	56.2	77	0		OK	24.17		30.07	25.09	overcast	10.00	3100
21:25	60.8	53.6	56.2	77	0		OK	24.17		30.07	25.09	overcast	10.00	10000
21:20	60.8	53.6	56.2	77	3	NNE	OK	24.17		30.07	25.09	overcast	10.00	10000
21:15	60.8	53.6	56.2	77	3	NNE	OK	24.17		30.07	25.09	overcast	10.00	9500
21:10	60.8	53.6	56.2	77	0		OK	24.17		30.07	25.09	overcast	10.00	9500
21:05	60.8	55.4	57.3	82	0		OK	24.17		30.07	25.09	overcast	10.00	9500
21:00	60.8	53.6	56.2	77	3	NNW	OK	24.17		30.07	25.09	overcast	10.00	9500

20:55	60.8	53.6	56.2	77	0		OK	24.16		30.06	25.08	overcast	10.00	9000
20:53	60.1	54.0	56.2	80	3	NW	OK	24.16	29.92	30.06	25.08	overcast	10.00	9000
20:50	60.1	54.0	56.2	80	3	NW	OK	24.16	29.92	30.06	25.08	overcast	10.00	9000
20:45	60.8	53.6	56.2	77	3	W	OK	24.16		30.06	25.08	overcast	10.00	9000
20:40	60.8	53.6	56.2	77	0		OK	24.16		30.06	25.08	overcast	10.00	9000
20:35	60.8	53.6	56.2	77	0		OK	24.16		30.06	25.08	overcast	10.00	9000
20:30	60.8	53.6	56.2	77	0		OK	24.15		30.05	25.07	overcast	10.00	8500
20:25	60.8	53.6	56.2	77	0		OK	24.15		30.05	25.07	overcast	10.00	8500
20:20	60.8	53.6	56.2	77	0		OK	24.15		30.05	25.07	overcast	10.00	8000
20:15	60.8	53.6	56.2	77	0		OK	24.15		30.05	25.07	overcast	10.00	8000
20:10	60.8	53.6	56.2	77	0		OK	24.15		30.05	25.07	overcast	10.00	8000
20:05	60.8	53.6	56.2	77	0		OK	24.14		30.04	25.07	overcast	10.00	8000
20:00	60.8	53.6	56.2	77	3	SSE	OK	24.14		30.04	25.07	overcast	10.00	7500
19:55	60.8	53.6	56.2	77	3	SSE	OK	24.14		30.04	25.07	overcast	10.00	6500
19:53	61.0	53.1	55.9	75	3	SSE	OK	24.14	29.91	30.04	25.07	overcast	10.00	7000
19:50	61.0	53.1	55.9	75	0		OK	24.14	29.91	30.04	25.07	overcast	10.00	7000
19:40	60.8	53.6	56.2	77	3	SE	OK	24.14		30.04	25.07	overcast	10.00	7000
19:35	60.8	51.8	55.1	72	0		OK	24.14		30.04	25.07	overcast	10.00	7500
19:30	60.8	51.8	55.1	72	0		OK	24.14		30.04	25.07	overcast	10.00	7500
19:25	60.8	51.8	55.1	72	3	S	OK	24.14		30.04	25.07	mostly cloudy	10.00	7500
19:20	60.8	51.8	55.1	72	0		OK	24.14		30.04	25.07	mostly cloudy	10.00	7000
19:15	60.8	51.8	55.1	72	3	S	OK	24.14		30.04	25.07	mostly cloudy	10.00	7000
19:10	60.8	51.8	55.1	72	5	S	OK	24.14		30.04	25.07	mostly cloudy	10.00	7000
19:05	62.6	51.8	55.8	68	5	S	OK	24.14		30.04	25.07	mostly cloudy	10.00	7000
19:01	62.6	51.8	55.8	68	3	S	OK	24.14		30.04	25.07	mostly cloudy	10.00	7000
19:00	62.6	51.8	55.8	68	3	S	OK	24.14		30.04	25.07	overcast	10.00	7000
18:55	62.6	51.8	55.8	68	3	S	OK	24.14		30.04	25.07	overcast	10.00	7000
18:53	63.0	51.1	55.5	65	0		OK	24.14	29.90	30.04	25.07	overcast	10.00	2500
18:50	63.0	51.1	55.5	65	0		OK	24.14	29.90	30.04	25.07	overcast	10.00	2500
18:45	62.6	51.8	55.8	68	0		OK	24.14		30.04	25.07	overcast	10.00	2300
18:40	62.6	50.0	54.7	63	0		OK	24.14		30.04	25.07	overcast	10.00	2300
18:35	62.6	50.0	54.7	63	0		OK	24.14		30.04	25.07	overcast	10.00	2300
18:30	62.6	51.8	55.8	68	0		OK	24.14		30.04	25.07	overcast	10.00	2300

18:25	62.6	51.8	55.8	68	0		OK	24.14		30.04	25.07	overcast	10.00			2300
18:15	62.6	50.0	54.7	63	3	E	OK	24.13		30.03	25.06	overcast	10.00			2300
18:14	62.6	50.0	54.7	63	5	E	OK	24.13		30.03	25.06	overcast	10.00			2300
18:10	62.6	50.0	54.7	63	5	E	OK	24.13		30.03	25.06	overcast	10.00			2300
18:05	62.6	50.0	54.7	63	5	E	OK	24.13		30.03	25.06	overcast	10.00			7000
18:00	62.6	50.0	54.7	63	3	ENE	OK	24.13		30.03	25.06	overcast	10.00			8500
17:53	63.0	51.1	55.5	65	5	E	OK	24.13	29.88	30.03	25.06	overcast	10.00		0.02	7000
17:50	63.0	51.1	55.5	65	7	E	OK	24.13	29.88	30.03	25.06	overcast	10.00		0.02	7000
17:45	62.6	51.8	55.8	68	7	E	OK	24.13		30.03	25.06	overcast	10.00			7000
17:40	62.6	51.8	55.8	68	8	ENE	OK	24.13		30.03	25.06	overcast	10.00			7000
17:35	62.6	51.8	55.8	68	8	E	OK	24.13		30.03	25.06	mostly cloudy	10.00			7000
17:30	62.6	51.8	55.8	68	7	E	OK	24.13		30.03	25.06	mostly cloudy	10.00			7000
17:20	60.8	53.6	56.2	77	8	E	OK	24.13		30.03	25.06	partly cloudy	10.00			
17:15	60.8	51.8	55.1	72	10	E	OK	24.13		30.03	25.06	mostly clear	10.00			
17:10	60.8	51.8	55.1	72	10	E	OK	24.13		30.03	25.06	mostly clear	10.00			
17:05	60.8	53.6	56.2	77	10	E	OK	24.13		30.02	25.05	mostly clear	10.00			
17:00	62.6	53.6	56.8	72	7	E	OK	24.13		30.02	25.05	partly cloudy	10.00			
16:55	62.6	53.6	56.8	72	8	E	OK	24.13		30.02	25.05	mostly cloudy	10.00			9500
16:53	62.1	54.0	56.8	75	7	E	OK	24.13	29.89	30.02	25.05	mostly cloudy	10.00	0.01		9500
16:45	60.8	55.4	57.3	82	9	E	OK	24.13		30.02	25.05	lt rain	10.00	0.01		9000
16:35	62.6	55.4	57.9	77	9	E	OK	24.13		30.02	25.05	lt rain	10.00	0.01		8000
16:34	62.6	55.4	57.9	77	9	E	OK	24.13		30.02	25.05	lt rain	10.00	0.01		8000
16:25	62.6	55.4	57.9	77	8	E	OK	24.13		30.02	25.05	thunder, lt rain	10.00	0.01		8000
16:20	62.6	53.6	56.8	72	8	ENE	OK	24.13		30.03	25.06	thunder, lt rain	10.00	0.01		8500
16:10	62.6	53.6	56.8	72	5	NNE	OK	24.13		30.03	25.06	thunder, lt rain	10.00	0.01		7500
16:05	60.8	53.6	56.2	77	5	NNE	OK	24.13		30.02	25.05	thunder, lt rain	10.00	0.01		8000
16:00	60.8	53.6	56.2	77	8	NNE	OK	24.13		30.02	25.05	thunder, lt rain	9.00	0.00		8000
15:55	60.8	53.6	56.2	77	7	N	OK	24.13		30.02	25.05	thunder, lt rain	8.00	0.00		7500
15:53	60.1	53.1	55.6	78	7	N	OK	24.13	29.89	30.02	25.05	thunder, lt rain	8.00	0.01		7500
15:45	60.8	51.8	55.1	72	7	N	OK	24.13		30.02	25.05	thunder, lt rain	10.00	0.00		8000
15:40	60.8	51.8	55.1	72	5	N	OK	24.13		30.02	25.05	thunder	10.00	0.00		8500
15:35	60.8	51.8	55.1	72	7	NW	OK	24.12		30.01	25.04	lt rain thunder shwr	10.00	0.00		8000
15:30	60.8	51.8	55.1	72	8	NNW	OK	24.12		30.01	25.04	lt rain thunder shwr	10.00	0.00		8000

15:25	60.8	51.8	55.1	72	8		NNW	OK	24.12		30.01	25.04	thunder	10.00	8000
15:20	60.8	51.8	55.1	72	9		NW	OK	24.12		30.01	25.04	thunder	10.00	10000
15:15	60.8	51.8	55.1	72	12		NNW	OK	24.12		30.01	25.04	thunder	10.00	10000
15:10	60.8	50.0	54.1	68	10	18	NW	OK	24.12		30.01	25.04	thunder	10.00	10000
15:09	60.8	50.0	54.1	68	12	18	NW	OK	24.12		30.01	25.04	thunder	10.00	8000
15:05	62.6	50.0	54.7	63	10	18	NW	OK	24.12		30.01	25.04	thunder	10.00	8000
15:00	62.6	48.2	53.8	59	12	24	WNW	OK	24.12		30.01	25.04	thunder	10.00	8000
14:55	62.6	50.0	54.7	63	14	24	WNW	OK	24.12		30.01	25.04	thunder	10.00	8000
14:53	64.0	51.1	55.8	63	18	24	WNW	OK	24.12	29.87	30.01	25.04	thunder	10.00	7500
14:50	64.9	53.1	57.3	65	14	20	WSW	OK	24.12	29.86	30.01	25.04	thunder	10.00	7500
14:45	66.2	53.6	58.0	64	7		WSW	OK	24.12		30.01	25.04	thunder	10.00	7500
14:40	66.2	53.6	58.0	64	7		SSW	OK	24.12		30.01	25.04	thunder	10.00	7500
14:35	66.2	53.6	58.0	64	6		S	OK	24.12		30.01	25.04	thunder	10.00	7500
14:25	66.2	53.6	58.0	64	6		S	OK	24.12		30.01	25.04	thunder	10.00	7500
14:22	66.2	53.6	58.0	64	7		S	OK	24.12		30.01	25.04	thunder	10.00	7500
14:20	66.2	53.6	58.0	64	8		S	OK	24.12		30.01	25.04	thunder	10.00	6000
14:15	66.2	51.8	57.0	60	5			OK	24.12		30.01	25.04	overcast	10.00	4600
14:10	66.2	53.6	58.0	64	5		SSE	OK	24.12		30.01	25.04	overcast	10.00	4000
14:05	66.2	53.6	58.0	64	6		SE	OK	24.12		30.01	25.04	mostly cloudy	10.00	6000
14:00	68.0	53.6	58.6	60	3			OK	24.12		30.01	25.04	mostly cloudy	10.00	6000
13:55	69.8	53.6	59.2	56	8		SSE	OK	24.12		30.01	25.04	mostly cloudy	10.00	5500
13:53	68.0	53.6	58.6	60	8		SSE	OK	24.12	29.85	30.01	25.04	partly cloudy	10.00	
13:50	68.0	52.0	57.7	57	3		SSE	OK	24.12	29.84	30.01	25.04	partly cloudy	10.00	
13:45	66.2	51.8	57.0	60	6			OK	24.12		30.01	25.04	mostly clear	10.00	
13:40	66.2	53.6	58.0	64	5			OK	24.13		30.02	25.05	mostly clear	10.00	
13:35	66.2	51.8	57.0	60	8		SE	OK	24.13		30.02	25.05	mostly clear	10.00	
13:30	66.2	51.8	57.0	60	0			OK	24.13		30.02	25.05	partly cloudy	10.00	
13:25	66.2	53.6	58.0	64	8		SE	OK	24.13		30.02	25.05	partly cloudy	10.00	
13:20	66.2	53.6	58.0	64	5		SSE	OK	24.13		30.02	25.05	mostly cloudy	10.00	11000
13:15	68.0	53.6	58.6	60	5		SSE	OK	24.13		30.03	25.06	mostly cloudy	10.00	7000
13:06	66.2	53.6	58.0	64	0			OK	24.13		30.03	25.06	mostly cloudy	10.00	11000
13:05	66.2	53.6	58.0	64	5			OK	24.13		30.03	25.06	mostly cloudy	10.00	11000
13:00	66.2	53.6	58.0	64	8		S	OK	24.13		30.03	25.06	mostly cloudy	10.00	11000

12:55	66.2	53.6	58.0	64	3		OK	24.13		30.03	25.06	thunder	10.00	11000
12:53	66.0	53.1	57.6	63	5		OK	24.13	29.87	30.03	25.06	thunder	10.00	11000
12:50	66.0	54.0	58.2	65	3		OK	24.13	29.87	30.03	25.06	thunder	10.00	11000
12:49	66.2	53.6	58.0	64	5	S	OK	24.13		30.03	25.06	thunder	10.00	11000
12:45	66.2	53.6	58.0	64	7	SSE	OK	24.13		30.03	25.06	thunder	10.00	2400
12:40	66.2	53.6	58.0	64	7	S	OK	24.14		30.04	25.07	overcast	10.00	2400
12:38	66.2	53.6	58.0	64	6	S	OK	24.14		30.04	25.07	overcast	10.00	2400
12:35	64.4	53.6	57.4	68	5	S	OK	24.14		30.04	25.07	thunder	10.00	2400
12:30	64.4	53.6	57.4	68	3		OK	24.14		30.04	25.07	thunder	10.00	11000
12:25	66.2	53.6	58.0	64	6	ESE	OK	24.14		30.04	25.07	thunder	10.00	11000
12:20	64.4	55.4	58.5	73	5		OK	24.14		30.04	25.07	thunder	10.00	11000
12:15	64.4	53.6	57.4	68	6	SSE	OK	24.14		30.04	25.07	thunder	10.00	11000
12:14	64.4	53.6	57.4	68	3	SSE	OK	24.14		30.04	25.07	thunder	10.00	11000
12:10	64.4	53.6	57.4	68	5	S	OK	24.14		30.04	25.07	thunder	10.00	11000
12:05	64.4	53.6	57.4	68	6	SSW	OK	24.14		30.04	25.07	thunder	10.00	2600
12:00	64.4	55.4	58.5	73	5		OK	24.15		30.05	25.07	thunder	10.00	2400
11:55	64.4	55.4	58.5	73	7	SE	OK	24.14		30.04	25.07	thunder	10.00	11000
11:50	64.4	55.4	58.5	73	7	S	OK	24.14		30.04	25.07	thunder	10.00	1600
11:45	64.4	55.4	58.5	73	6		OK	24.14		30.04	25.07	overcast	10.00	1600
11:40	64.4	55.4	58.5	73	7	SSE	OK	24.15		30.05	25.07	overcast	10.00	1600
11:35	64.4	55.4	58.5	73	6	SE	OK	24.15		30.05	25.07	overcast	10.00	1600
11:30	64.4	55.4	58.5	73	7	SSE	OK	24.15		30.05	25.07	overcast	10.00	1600
11:25	64.4	55.4	58.5	73	6		OK	24.15		30.05	25.07	overcast	10.00	2000
11:20	64.4	55.4	58.5	73	7	SE	OK	24.15		30.05	25.07	overcast	10.00	1600
11:15	64.4	55.4	58.5	73	6	SSE	OK	24.15		30.05	25.07	overcast	10.00	1600
11:10	64.4	55.4	58.5	73	3	SSE	OK	24.15		30.05	25.07	overcast	10.00	1600
11:02	62.6	55.4	57.9	77	5	SE	OK	24.15		30.05	25.07	overcast	10.00	2100
11:00	62.6	55.4	57.9	77	7	SE	OK	24.15		30.05	25.07	overcast	10.00	2100
10:55	62.6	55.4	57.9	77	7	SSE	OK	24.15		30.05	25.07	overcast	10.00	5000
10:53	63.0	55.9	58.4	78	5		OK	24.15	29.91	30.05	25.07	overcast	10.00	5000
10:45	62.6	55.4	57.9	77	6	SSE	OK	24.15		30.05	25.07	overcast	10.00	5500
10:35	62.6	55.4	57.9	77	5	SE	OK	24.15		30.05	25.07	overcast	10.00	5500
10:30	62.6	55.4	57.9	77	5	E	OK	24.15		30.05	25.07	overcast	10.00	5000

10:25	62.6	55.4	57.9	77	3		OK	24.15		30.05	25.07	overcast	10.00	5500
10:22	62.6	55.4	57.9	77	3	SSE	OK	24.15		30.05	25.07	overcast	10.00	4300
10:20	62.6	55.4	57.9	77	5	SSE	OK	24.15		30.05	25.07	overcast	10.00	4300
10:15	62.6	55.4	57.9	77	6	SE	OK	24.15		30.05	25.07	overcast	10.00	2700
10:10	62.6	53.6	56.8	72	5	ESE	OK	24.15		30.05	25.07	overcast	10.00	2700
10:05	62.6	55.4	57.9	77	6	ESE	OK	24.15		30.05	25.07	overcast	10.00	2700
10:00	62.6	55.4	57.9	77	3		OK	24.15		30.05	25.07	overcast	10.00	4200
9:55	62.6	55.4	57.9	77	5	ESE	OK	24.15		30.05	25.07	overcast	10.00	2700
9:53	62.1	54.0	56.8	75	0		OK	24.15	29.91	30.05	25.07	overcast	10.00	2700
9:50	62.6	55.4	57.9	77	5	ESE	OK	24.15		30.05	25.07	overcast	10.00	2700
9:45	60.8	53.6	56.2	77	5	ESE	OK	24.15		30.05	25.07	overcast	10.00	5000
9:40	62.6	53.6	56.8	72	5	E	OK	24.15		30.05	25.07	overcast	10.00	12000
9:35	62.6	53.6	56.8	72	3		OK	24.15		30.05	25.07	overcast	10.00	12000
9:30	60.8	53.6	56.2	77	3	E	OK	24.15		30.05	25.07	overcast	10.00	8500
9:25	60.8	53.6	56.2	77	5	E	OK	24.15		30.05	25.07	overcast	10.00	9000
9:20	60.8	53.6	56.2	77	5	E	OK	24.15		30.05	25.07	overcast	10.00	5500
9:15	60.8	53.6	56.2	77	5	ENE	OK	24.14		30.04	25.07	overcast	10.00	6500
9:10	60.8	53.6	56.2	77	5	ENE	OK	24.14		30.04	25.07	overcast	10.00	9000
9:05	60.8	53.6	56.2	77	5	ENE	OK	24.14		30.04	25.07	overcast	10.00	9000
9:00	59.0	53.6	55.6	82	3	ENE	OK	24.14		30.04	25.07	overcast	10.00	9000
8:55	59.0	53.6	55.6	82	5	ENE	OK	24.14		30.04	25.07	overcast	10.00	6500
8:53	59.0	53.6	55.6	82	3	E	OK	24.14	29.91	30.04	25.07	overcast	10.00	6500
8:50	59.0	54.0	55.8	83	3	E	OK	24.14	29.91	30.04	25.07	overcast	10.00	6500
8:45	59.0	55.4	56.7	88	3	E	OK	24.14		30.04	25.07	overcast	10.00	6500
8:40	57.2	55.4	56.1	94	3	ENE	OK	24.14		30.04	25.07	overcast	10.00	4700
8:35	57.2	53.6	54.9	88	3	ENE	OK	24.14		30.04	25.07	overcast	10.00	4700
8:30	57.2	53.6	54.9	88	3	ENE	OK	24.14		30.04	25.07	overcast	10.00	4700
8:25	57.2	53.6	54.9	88	0		OK	24.14		30.04	25.07	overcast	9.00	4700
8:20	57.2	53.6	54.9	88	0		OK	24.14		30.04	25.07	overcast	7.00	4500
8:15	57.2	53.6	54.9	88	0		OK	24.14		30.04	25.07	overcast	7.00	4500
8:10	57.2	53.6	54.9	88	0		OK	24.14		30.04	25.07	overcast	10.00	4500
8:05	57.2	53.6	54.9	88	0		OK	24.14		30.04	25.07	overcast	9.00	4500
8:00	57.2	53.6	54.9	88	0		OK	24.14		30.04	25.07	overcast	7.00	7500

7:55	55.4	53.6	54.3	94	0		OK	24.14		30.04	25.07	fog	6.00			7500
7:53	55.9	54.0	54.7	93	0		OK	24.14	29.91	30.04	25.07	fog	6.00			7500
7:50	55.9	54.0	54.7	93	0		OK	24.14	29.91	30.04	25.07	overcast	7.00			7500
7:45	55.4	53.6	54.3	94	0		OK	24.14		30.04	25.07	overcast	9.00			7000
7:40	55.4	53.6	54.3	94	0		OK	24.13		30.03	25.06	overcast	10.00			7000
7:35	55.4	53.6	54.3	94	0		OK	24.13		30.03	25.06	overcast	10.00			7000
7:30	55.4	53.6	54.3	94	0		OK	24.13		30.03	25.06	overcast	10.00			7000
7:25	55.4	53.6	54.3	94	0		OK	24.13		30.03	25.06	overcast	10.00			7000
7:20	55.4	53.6	54.3	94	0		OK	24.13		30.03	25.06	overcast	10.00			7000
7:15	55.4	53.6	54.3	94	0		OK	24.13		30.03	25.06	overcast	10.00			6500
7:10	57.2	53.6	54.9	88	0		OK	24.13		30.03	25.06	overcast	10.00			7000
7:05	55.4	53.6	54.3	94	0		OK	24.13		30.02	25.05	overcast	10.00			7500
7:00	57.2	53.6	54.9	88	0		OK	24.13		30.02	25.05	overcast	10.00			7500
6:55	57.2	53.6	54.9	88	3	ENE	OK	24.13		30.02	25.05	overcast	10.00			7500
6:53	57.0	53.1	54.5	87	3	ENE	OK	24.13	29.89	30.02	25.05	overcast	10.00			7500
6:50	57.0	53.1	54.5	87	3	ENE	OK	24.13	29.89	30.02	25.05	overcast	10.00			7500
6:45	55.4	53.6	54.3	94	5	NE	OK	24.13		30.02	25.05	overcast	10.00			7500
6:40	55.4	53.6	54.3	94	3	NNE	OK	24.13		30.02	25.05	overcast	10.00			7500
6:35	55.4	53.6	54.3	94	3	N	OK	24.13		30.02	25.05	overcast	10.00			7500
6:30	55.4	53.6	54.3	94	3	NNE	OK	24.13		30.02	25.05	overcast	10.00			7500
6:25	55.4	53.6	54.3	94	5	NNE	OK	24.13		30.02	25.05	overcast	10.00			7500
6:20	55.4	53.6	54.3	94	5	NNE	OK	24.13		30.02	25.05	overcast	10.00			7500
6:15	55.4	53.6	54.3	94	6	NNE	OK	24.13		30.02	25.05	overcast	10.00			7500
6:10	55.4	53.6	54.3	94	6	NE	OK	24.13		30.02	25.05	overcast	10.00			7500
6:05	55.4	53.6	54.3	94	6	NE	OK	24.13		30.02	25.05	overcast	10.00			7500
6:00	57.2	53.6	54.9	88	5	NE	OK	24.13		30.02	25.05	overcast	10.00			7000
5:55	55.4	53.6	54.3	94	5	NE	OK	24.13		30.02	25.05	overcast	10.00			7500
5:53	55.9	54.0	54.7	93	5	NE	OK	24.13	29.89	30.02	25.05	overcast	10.00	0.03	0.21	7000
5:50	55.9	53.1	54.2	90	5	NE	OK	24.13	29.90	30.02	25.05	overcast	10.00	0.03	0.21	7000
5:45	55.4	53.6	54.3	94	5	ENE	OK	24.13		30.02	25.05	overcast	10.00			7000
5:40	55.4	53.6	54.3	94	6	ENE	OK	24.13		30.02	25.05	overcast	10.00			7000
5:35	55.4	53.6	54.3	94	5	E	OK	24.13		30.02	25.05	overcast	10.00			7000
5:30	55.4	53.6	54.3	94	6	E	OK	24.13		30.02	25.05	overcast	10.00			7000

5:25	55.4	53.6	54.3	94	6	E	OK	24.13	30.02	25.05	overcast	10.00	7000
5:20	55.4	53.6	54.3	94	5	E	OK	24.13	30.02	25.05	overcast	10.00	9000
5:15	55.4	53.6	54.3	94	5	E	OK	24.12	30.01	25.04	overcast	10.00	8500
5:10	57.2	53.6	54.9	88	5	E	OK	24.12	30.01	25.04	overcast	10.00	8500
5:00	55.4	53.6	54.3	94	3	NE	OK	24.12	30.01	25.04	overcast	10.00	8500

~ 15 mi SE of Willow Creek Mine

Past Weather Conditions for PCEU1

Observations prior to selected time: September 11, 2013 - 06:00 MDT

Weather Conditions at September 11, 2013 - 6:00 MDT

Graphical Links	With Prior Obs	6:00	24 Hour Max	24 Hour Min
Temperature	Temperature	54.9° F	66.6 at 14:00	54.9 at 4:00
Dew Point	Dew Point	53.2° F	56.2 at 23:00	52.1 at 9:00
Wet Bulb Temperature	Wet Bulb Temperature	53.8° F	59.4 at 14:00	53.8 at 4:00
Relative Humidity	Relative Humidity	94%	94 at 4:00	66 at 16:00
Wind Speed	Wind Speed	2 mph from W	7 at 20:00	2 at 6:00
Wind Gust	Wind Gust	4 mph	13 at 0:00	4 at 6:00
Solar Radiation	Solar Radiation	0.2 W/m*m	478.7 at 14:00	0.1 at 6:00
Battery voltage	Battery voltage	12.90 volt	14.00 at 12:00	12.70 at 8:00

Precipitation accumulated since midnight: 0.00", in 24 hours: -

Tabular Listing: September 10, 2013 - 6:00 through September 11, 2013 - 06:00 MDT

Time(MDT)	Temperature	Dew Point	Wet Bulb Temperature	Relative Humidity	Wind Speed	Wind Gust	Wind Direction	Quality check	Solar Radiation	Precipitation accumulated	Battery voltage
	° F	° F	° F	%	mph	mph			W/m*m	in	volt
6:00	54.9	53.2	53.8	94	2	4	W	N/A	0.2		12.90
5:00	55.6	53.9	54.6	94	3	8	N	N/A	0.2		12.90
4:00	54.9	53.2	53.8	94	6	9	NE	N/A	0.2		12.90
3:00	55.9	53.6	54.5	92	4	8	SW	N/A	0.2		13.00
2:00	56.8	54.8	55.6	93	6	10	NW	N/A	0.2		13.00
1:00	57.4	54.5	55.6	90	4	9	W	N/A	0.2	8.54	13.10
0:00	56.3	53.7	54.7	91	5	13	SSW	N/A	0.2		13.10
23:00	59.7	56.2	57.4	88	3	6	NNE	N/A	0.2		13.20
22:00	62.8	54.7	57.6	75	4	7	WNW	N/A	0.2		13.30
21:00	62.4	55.5	57.9	78	7	9	WSW	N/A	13.3		13.40
20:00	63.9	55.8	58.6	75	7	10	NW	N/A	163.6		13.60
19:00	65.3	55.3	58.7	70	4	12	NW	N/A	323.0		13.90
18:00	64.8	55.1	58.5	71	3	6	W	OK	165.2		13.90
17:00	65.1	53.9	57.9	67	2	6	SW	OK	219.1		13.90
16:00	64.6	53.0	57.1	66	3	8	SSE	OK	161.0		13.90
15:00	66.0	55.9	59.4	70	4	8	E	OK	373.0		13.90
14:00	66.6	55.7	59.4	68	4	8	ENE	OK	478.7		13.90
13:00	63.3	54.5	57.6	73	3	6	NE	OK	181.2		13.90
12:00	61.5	55.6	57.7	81	4	6	N	OK	117.1		14.00
11:00	60.4	53.5	56.1	78	4	7	N	OK	82.0		13.70
10:00	59.7	52.8	55.4	78	5	8	W	OK	62.9		13.30
9:00	58.3	52.1	54.4	80	6	8	WSW	OK	17.9		12.80
8:00	57.6	54.3	55.5	89	4	6	W	OK	0.5		12.70
7:00	57.6	55.3	56.1	92	5	8	W	OK	0.2		12.80
6:00	57.2	54.9	55.8	92	2	4	WNW	OK	0.1		12.80
5:00	57.9	55.0	56.1	90	3	4	NNW	OK	0.2		12.80

Past Weather Conditions for PCEU1

Observations prior to selected time: September 12, 2013 - 06:00 MDT

Weather Conditions at September 12, 2013 - 6:00 MDT

Graphical Links	With Prior Obs	6:00	24 Hour Max	24 Hour Min
Temperature	Temperature	56.5° F	72.3 at 18:00	54.9 at 6:00
Dew Point	Dew Point	50.1° F	56.3 at 13:00	50.1 at 6:00
Wet Bulb Temperature	Wet Bulb Temperature	52.6° F	59.7 at 13:00	52.6 at 6:00
Relative Humidity	Relative Humidity	79%	94 at 6:00	46 at 18:00
Wind Speed	Wind Speed	5 mph from NNW	8 at 20:00	1 at 11:00
Wind Gust	Wind Gust	10 mph	17 at 15:00	4 at 6:00
Solar Radiation	Solar Radiation	0.2 W/m*m	711.2 at 13:00	0.1 at 2:00
Battery voltage	Battery voltage	12.80 volt	14.00 at 10:00	12.80 at 7:00

Precipitation variable accumulated	Since Midnight	In 24 Hours
Precipitation 1hr	0.00"	0.01"

Tabular Listing: September 11, 2013 - 6:00 through September 12, 2013 - 06:00 MDT

Time(MDT)	Temperature	Dew Point	Wet Bulb Temperature	Relative Humidity	Wind Speed	Wind Gust	Wind Direction	Quality check	Solar Radiation	Precipitation 1hr	Battery voltage
	° F	° F	° F	%	mph	mph			W/m*m	in	volt
6:00	56.5	50.1	52.6	79	5	10	NNW	OK	0.2	0.00	12.80
5:00	57.6	51.1	53.6	79	5	12	WSW	OK	0.1	0.00	12.90
4:00	58.8	50.9	53.9	75	7	10	SW	OK	0.1	0.00	12.90
3:00	58.3	53.8	55.5	85	5	6	WSW	OK	0.1	0.00	12.90
2:00	58.5	54.0	55.6	85	4	8	WNW	OK	0.1	0.00	13.00
1:00	59.4	54.5	56.3	84	3	7	N		0.2		13.00
0:00	60.8	55.3	57.2	82	3	8	NNE	OK	0.2	0.00	13.10
23:00	61.0	54.4	56.8	79	3	5	W	OK	0.2	0.00	13.10
22:00	62.1	52.9	56.2	72	5	11	SW	OK	0.2	0.01	13.20
21:00	64.8	51.9	56.6	63	5	9	NE	OK	4.6	0.00	13.30
20:00	66.2	51.9	57.1	60	8	14	NE	OK	51.8	0.00	13.40
19:00	67.1	52.7	57.9	60	8	17	ENE	OK	192.0	0.00	13.50
18:00	72.3	50.4	58.3	46	5	9	SSE	OK	463.0	0.00	13.80
17:00	71.6	50.3	58.0	47	6	10	SSE	OK	659.4	0.00	13.80
16:00	71.6	52.5	59.2	51	4	12	SSE	OK	553.6	0.00	13.80
15:00	68.5	53.6	58.8	59	7	17	SW	OK	687.9	0.00	13.80
14:00	69.4	54.0	59.4	58	6	11	ESE	OK	413.6	0.00	13.90
13:00	66.4	56.3	59.7	70	6	11	ESE	OK	711.2	0.00	13.80
12:00	65.5	54.6	58.4	68	3	9	SE	OK	519.5	0.00	13.90
11:00	63.5	53.1	56.9	69	1	4	NE	OK	284.0		13.90
10:00	60.8	53.5	56.2	77	3	7	NW	OK	161.0		14.00
9:00	56.5	53.3	54.5	89	5	8	NW	OK	24.2		12.80
8:00	55.6	53.3	54.2	92	3	5	NW	OK	0.3		12.80
7:00	55.4	53.1	54.0	92	3	5	W	OK	0.2		12.80
6:00	54.9	53.2	53.8	94	2	4	W	N/A	0.2		12.90
5:00	55.6	53.9	54.6	94	3	8	N	N/A	0.2		12.90

Past Weather Conditions for PCEU1

Observations prior to selected time: September 13, 2013 - 06:00 MDT

Weather Conditions at September 13, 2013 - 6:00 MDT

Graphical Links	With Prior Obs	6:00	24 Hour Max	24 Hour Min
Temperature	Temperature	54.9° F	72.3 at 19:00	54.7 at 5:00
Dew Point	Dew Point	49.8° F	54.6 at 22:00	48.3 at 15:00
Wet Bulb Temperature	Wet Bulb Temperature	51.8° F	59.2 at 14:00	51.3 at 5:00
Relative Humidity	Relative Humidity	83%	84 at 7:00	44 at 18:00
Wind Speed	Wind Speed	3 mph from WSW	6 at 3:00	1 at 5:00
Wind Gust	Wind Gust	6 mph	13 at 16:00	4 at 9:00
Solar Radiation	Solar Radiation	0.1 W/m*m	640.3 at 16:00	0.1 at 1:00
Battery voltage	Battery voltage	12.80 volt	14.00 at 9:00	12.80 at 6:00

Precipitation variable accumulated	Since Midnight	In 24 Hours
Precipitation 1hr	0.00"	0.04"

Tabular Listing: September 12, 2013 - 6:00 through September 13, 2013 - 06:00 MDT

Time(MDT)	Temperature	Dew Point	Wet Bulb Temperature	Relative Humidity	Wind Speed	Wind Gust	Wind Direction	Quality check	Solar Radiation	Precipitation 1hr	Battery voltage
	° F	° F	° F	%	mph	mph			W/m*m	in	volt
6:00	54.9	49.8	51.8	83	3	6	WSW	OK	0.1	0.00	12.80
5:00	54.7	49.0	51.3	81	1	5	WSW	OK	0.2	0.00	12.90
4:00	56.1	49.0	51.8	77	3	8	W	OK	0.1	0.00	12.90
3:00	56.8	49.4	52.3	76	6	8	NNW	OK	0.2	0.00	12.90
2:00	59.0	49.6	53.2	71	5	8	WNW	OK	0.1	0.00	13.00
1:00	57.7	50.6	53.3	77	3	6	W		0.1		13.00
0:00	60.1	51.4	54.7	73	2	4	W	OK	0.2	0.00	13.10
23:00	59.9	53.0	55.6	78	4	7	NNW	OK	0.2	0.00	13.10
22:00	61.2	54.6	56.9	79	3	4	WNW	OK	0.3	0.00	13.20
21:00	66.2	52.3	57.3	61	3	4	WNW	OK	4.7	0.00	13.30
20:00	70.2	51.7	58.3	52	4	9	SW	OK	136.1	0.00	13.40
19:00	72.3	49.2	57.7	44	4	9	SW		364.4		13.80
18:00	72.3	49.2	57.7	44	4	6	SW	OK	364.4	0.00	13.90
17:00	70.0	51.6	58.2	52	2	7	E	OK	218.7	0.00	13.80
16:00	72.0	50.1	58.1	46	4	13	SE	OK	640.3	0.00	13.90
15:00	70.0	48.3	56.5	46	4	7	S	OK	355.6	0.03	13.60
14:00	68.4	54.4	59.2	61	5	10	SSE	OK	491.0	0.01	13.80
13:00	68.5	53.2	58.6	58	5	9	SE	OK	548.0	0.00	13.80
12:00	68.5	53.1	58.5	58	5	9	SE	OK	548.0	0.00	13.80
11:00	68.4	53.0	58.5	58	5	8	ESE	OK	625.9	0.00	13.80
10:00	68.4	53.0	58.5	58	4	8	NE	OK	562.6	0.00	13.90
9:00	63.7	51.3	55.9	64	4	4	NNW	OK	247.3	0.00	14.00
8:00	60.4	50.6	54.3	70	2	7	W	OK	57.9	0.00	12.80
7:00	55.6	50.8	52.7	84	4	7	WNW	OK	0.5	0.00	12.80
6:00	56.5	50.1	52.6	79	5	10	NNW	OK	0.2	0.00	12.80
5:00	57.6	51.1	53.6	79	5	12	WSW	OK	0.1	0.00	12.90

Past Weather Conditions for PCEU1

Observations prior to selected time: September 14, 2013 - 06:00 MDT

Weather Conditions at September 14, 2013 - 6:00 MDT

Graphical Links	With Prior Obs	6:00	24 Hour Max	24 Hour Min
Temperature	Temperature	55.0° F	70.3 at 14:00	54.3 at 7:00
Dew Point	Dew Point	53.1° F	56.5 at 16:00	49.3 at 7:00
Wet Bulb Temperature	Wet Bulb Temperature	53.8° F	59.8 at 16:00	51.3 at 7:00
Relative Humidity	Relative Humidity	93%	94 at 5:00	48 at 14:00
Wind Speed	Wind Speed	2 mph from NW	11 at 18:00	1 at 3:00
Wind Gust	Wind Gust	4 mph	18 at 18:00	2 at 5:00
Solar Radiation	Solar Radiation	0.2 W/m*m	762.7 at 14:00	0.1 at 6:00
Battery voltage	Battery voltage	12.90 volt	14.00 at 10:00	12.80 at 6:00

Precipitation variable accumulated	Since Midnight	In 24 Hours
Precipitation 1hr	0.00"	0.17"

Tabular Listing: September 13, 2013 - 6:00 through September 14, 2013 - 06:00 MDT

Time(MDT)	Temperature	Dew Point	Wet Bulb Temperature	Relative Humidity	Wind Speed	Wind Gust	Wind Direction	Quality check	Solar Radiation	Precipitation 1hr	Battery voltage
	° F	° F	° F	%	mph	mph			W/m*m	in	volt
6:00	55.0	53.1	53.8	93	2	4	NW	OK	0.2	0.00	12.90
5:00	54.7	53.0	53.7	94	1	2	WSW	OK	0.2	0.00	12.90
4:00	54.3	52.3	53.1	93	1	3	NNW	OK	0.2	0.00	13.00
3:00	54.9	52.9	53.7	93	1	3	NE	OK	0.2	0.00	13.00
2:00	55.8	53.5	54.4	92	2	5	NNW	OK	0.2	0.00	13.10
1:00	57.6	55.0	55.9	91	2	4	WNW		0.2		13.10
0:00	56.5	54.2	55.1	92	1	3	WNW	OK	0.1	0.02	13.20
23:00	57.2	54.3	55.4	90	4	6	N	OK	0.2	0.00	13.20
22:00	57.9	53.8	55.3	86	3	4	WSW	OK	0.2	0.00	13.30
21:00	58.5	53.6	55.4	84	2	6	SSW	OK	4.0	0.03	13.40
20:00	59.4	53.2	55.5	80	5	9	WNW	OK	59.2	0.02	13.50
19:00	59.4	54.8	56.5	85	7	12	N	OK	107.6	0.00	14.00
18:00	56.3	52.2	53.7	86	11	18	W	OK	19.8	0.02	13.40
17:00	61.3	51.9	55.4	71	8	18	E	OK	124.2	0.07	13.50
16:00	66.2	56.5	59.8	71	7	14	ESE	OK	230.8	0.01	13.90
15:00	69.6	50.1	57.3	50	7	13	ESE	OK	464.0	0.00	13.80
14:00	70.3	49.7	57.3	48	7	12	SE	OK	762.7	0.00	13.80
13:00	68.0	53.6	58.6	60	5	10	SE	OK	685.2	0.00	13.80
12:00	66.6	52.2	57.4	60	4	7	ESE	OK	523.0	0.00	13.80
11:00	67.5	52.2	57.7	58	2	6	NE	OK	409.4	0.00	13.90
10:00	62.2	51.5	55.5	68	2	3	SW	OK	173.5	0.00	14.00
9:00	57.6	50.8	53.4	78	4	6	WNW	OK	24.9	0.00	12.80
8:00	55.0	49.6	51.8	82	4	6	WNW	OK	0.3	0.00	12.80
7:00	54.3	49.3	51.3	83	2	4	WNW	OK	0.2	0.00	12.80
6:00	54.9	49.8	51.8	83	3	6	WSW	OK	0.1	0.00	12.80
5:00	54.7	49.0	51.3	81	1	5	WSW	OK	0.2	0.00	12.90

Past Weather Conditions for PCEU1

Observations prior to selected time: September 15, 2013 - 06:00 MDT

Weather Conditions at September 15, 2013 - 6:00 MDT

Graphical Links	With Prior Obs	6:00	24 Hour Max	24 Hour Min
Temperature	Temperature	54.0° F	65.3 at 15:00	51.6 at 5:00
Dew Point	Dew Point	49.6° F	55.1 at 22:00	49.4 at 5:00
Wet Bulb Temperature	Wet Bulb Temperature	51.3° F	57.3 at 15:00	50.3 at 5:00
Relative Humidity	Relative Humidity	85%	94 at 7:00	60 at 14:00
Wind Speed	Wind Speed	3 mph from NNW	7 at 17:00	1 at 5:00
Wind Gust	Wind Gust	7 mph	19 at 16:00	2 at 7:00
Solar Radiation	Solar Radiation	0.1 W/m*m	504.4 at 14:00	0.1 at 23:00
Battery voltage	Battery voltage	12.90 volt	14.00 at 10:00	12.80 at 8:00

Precipitation variable accumulated	Since Midnight	In 24 Hours
Precipitation 1hr	0.00"	0.02"

Tabular Listing: September 14, 2013 - 6:00 through September 15, 2013 - 06:00 MDT

Time(MDT)	Temperature	Dew Point	Wet Bulb Temperature	Relative Humidity	Wind Speed	Wind Gust	Wind Direction	Quality check	Solar Radiation	Precipitation 1hr	Battery voltage
	° F	° F	° F	%	mph	mph			W/m*m	in	volt
6:00	54.0	49.6	51.3	85	3	7	NNW	OK	0.1	0.00	12.90
5:00	51.6	49.4	50.3	92	1	3	WSW	OK	0.1	0.00	13.00
4:00	54.1	50.7	52.0	88	3	6	SW	OK	0.1	0.00	13.00
3:00	54.9	50.1	52.0	84	4	7	W	OK	0.1	0.00	13.00
2:00	54.9	52.0	53.1	90	2	3	WNW	OK	0.1	0.00	13.10
1:00	54.7	51.8	52.9	90	3	4	WNW		0.1		13.10
0:00	54.9	52.3	53.3	91	1	3	NW	OK	0.1	0.00	13.20
23:00	57.6	53.7	55.2	87	3	4	WNW	OK	0.1	0.00	13.20
22:00	58.6	55.1	56.4	88	1	4	S	OK	0.2	0.00	13.30
21:00	59.2	54.0	55.9	83	1	3	SSE	OK	12.0	0.00	13.40
20:00	60.8	52.8	55.7	75	1	4	NE	OK	68.6	0.00	13.60
19:00	60.8	52.5	55.5	74	2	6	S	OK	113.0	0.00	14.00
18:00	60.4	52.5	55.4	75	5	11	N	OK	165.7	0.00	14.00
17:00	61.2	53.5	56.3	76	7	11	W	OK	402.9	0.01	13.90
16:00	61.5	51.6	55.3	70	6	19	SSE	OK	67.6	0.01	13.60
15:00	65.3	52.8	57.3	64	4	10	E	OK	483.8	0.00	13.80
14:00	65.1	50.9	56.1	60	3	7	ESE	OK	504.4	0.00	13.90
13:00	62.8	53.6	56.9	72	3	7	SE	OK	381.8	0.00	13.90
12:00	62.4	53.3	56.6	72	2	5	ESE	OK	407.9	0.00	13.90
11:00	60.4	52.8	55.6	76	2	5	NNE	OK	355.3	0.00	13.90
10:00	58.3	51.8	54.2	79	1	3	N	OK	109.1	0.00	14.00
9:00	55.4	52.8	53.8	91	2	5	N	OK	19.6	0.00	12.90
8:00	54.7	51.8	52.9	90	2	5	NNW	OK	0.3	0.00	12.80
7:00	54.7	53.0	53.7	94	1	2	ENE	OK	0.2	0.00	12.90
6:00	55.0	53.1	53.8	93	2	4	NW	OK	0.2	0.00	12.90
5:00	54.7	53.0	53.7	94	1	2	WSW	OK	0.2	0.00	12.90

~ 14 mi WNW of
Willow Creek Mine

Past Weather Conditions for SFDU1

Observations prior to selected time: September 11, 2013 - 06:00 MDT

Weather Conditions at September 11, 2013 - 6:00 MDT

Graphical Links	With Prior Obs	6:00	24 Hour Max	24 Hour Min
Temperature	Temperature	49.0° F	61.0 at 15:30	49.0 at 6:00
Dew Point	Dew Point	45.6° F	51.4 at 16:45	45.6 at 6:45
Wet_Bulb Temperature	Wet_Bulb Temperature	47.0° F	54.2 at 16:45	47.0 at 6:45
Relative Humidity	Relative Humidity	88%	92 at 3:45	64 at 15:45
Wind Speed	Wind Speed	2 mph from E	8 at 12:45	0 at 9:45
Wind Gust	Wind Gust	2 mph	12 at 18:15	0 at 10:00
Battery voltage	Battery voltage	12.70 volt	13.90 at 16:00	12.70 at 7:00

Precipitation accumulated since midnight: 0.54", in 24 hours: 0.61"

Tabular Listing: September 10, 2013 - 6:00 through September 11, 2013 - 06:00 MDT

Time(MDT)	Temperature	Dew Point	Wet Bulb Temperature	Relative Humidity	Wind Speed	Wind Gust	Wind Direction	Quality check	Precipitation accumulated	Battery voltage
	° F	° F	° F	%	mph	mph			in	volt
6:00	49.0	45.6	47.0	88	2	2	E	OK	8.54	12.70
5:45	49.0	45.9	47.2	89	5	5	ESE	OK	8.54	
5:30	49.0	45.9	47.2	89	3	2	ENE	OK	8.54	
5:15	50.0	46.6	48.0	88	3	5	ESE	OK	8.54	
5:00	50.0	46.6	48.0	88	3	4	ESE	OK	8.54	12.80
4:45	50.0	46.3	47.8	87	4	5	ESE	OK	8.54	
4:30	50.0	46.9	48.2	89	5	6	ESE	OK	8.54	
4:15	50.0	47.5	48.5	91	7	9	ESE	OK	8.50	
4:00	50.0	47.5	48.5	91	7	6	ESE	OK	8.50	12.80
3:45	50.0	47.8	48.7	92	4	3	ESE	OK	8.46	
3:30	50.0	47.5	48.5	91	2	2	ESE	OK	8.42	
3:15	51.0	48.5	49.5	91	1	2	SSW	OK	8.21	
3:00	50.0	47.5	48.5	91	2	2	SSW	OK	8.20	12.80
2:45	50.0	47.5	48.5	91	1	1	SW	OK	8.18	
2:30	50.0	47.5	48.5	91	2	2	SSE	OK	8.15	
2:15	51.0	48.2	49.3	90	2	3	E	OK	8.15	
2:00	51.0	48.2	49.3	90	2	1	E	OK	8.15	12.90
1:45	51.0	48.2	49.3	90	1	1	SE	OK	8.15	
1:30	51.0	47.9	49.1	89	2	2	E	OK	8.15	
1:15	52.0	48.6	49.9	88	5	7	E	OK	8.14	
1:00	52.0	48.6	49.9	88	5	5	ESE	OK	8.14	12.80
0:45	52.0	48.9	50.1	89	5	3	ENE	OK	8.09	
0:30	53.0	49.8	51.1	89	4	5	ESE	OK	8.02	
0:15	53.0	49.2	50.7	87	3	4	E	OK	8.00	
0:00	53.0	49.2	50.7	87	4	4	ESE	OK	8.00	12.90

23:45	53.0	48.9	50.5	86	4	3	ESE	OK	8.00	
23:30	53.0	49.2	50.7	87	5	6	E	OK	8.00	
23:15	52.0	48.9	50.1	89	3	5	E	OK	8.00	
23:00	52.0	48.9	50.1	89	3	3	E	OK	8.00	12.90
22:45	52.0	48.9	50.1	89	3	4	E	OK	8.00	
22:30	52.0	48.3	49.7	87	4	3	E	OK	8.00	
22:15	53.0	49.5	50.9	88	3	4	E	OK	8.00	
22:00	53.0	49.5	50.9	88	3	2	E	OK	8.00	12.90
21:45	52.0	48.6	49.9	88	2	2	ESE	OK	8.00	
21:30	52.0	48.3	49.7	87	4	5	E	OK	8.00	
21:15	52.0	48.3	49.7	87	4	6	E	OK	8.00	
21:00	52.0	47.9	49.6	86	5	3	E	OK	8.00	12.90
20:45	53.0	48.6	50.3	85	6	8	ESE	OK	8.00	
20:30	54.0	49.6	51.3	85	6	6	ESE	OK	8.00	
20:15	54.0	49.6	51.3	85	4	5	E	OK	8.00	
20:00	54.0	49.6	51.3	85	4	4	E	OK	8.00	13.00
19:45	54.0	49.6	51.3	85	5	6	E	OK	8.00	
19:30	55.0	50.3	52.0	84	4	5	ESE	OK	8.00	
19:15	56.0	50.6	52.6	82	3	5	E	OK	8.00	
19:00	56.0	50.6	52.6	82	3	4	E	OK	8.00	13.10
18:45	56.0	50.9	52.8	83	3	5	ENE	OK	8.00	
18:30	56.0	50.3	52.4	81	5	5	E	OK	8.00	
18:15	56.0	49.2	51.8	78	7	12	ENE	OK	8.00	
18:00	56.0	49.2	51.8	78	7	5	E	OK	8.00	13.30
17:45	56.0	48.5	51.4	76	7	7	ENE	OK	8.00	
17:30	58.0	49.8	52.8	74	8	10	NE	OK	7.99	
17:15	58.0	49.8	52.8	74	5	11	NE	OK	7.99	
17:00	58.0	50.1	53.0	75	4	10	NE	OK	7.99	13.70
16:45	59.0	51.4	54.2	76	5	8	NE	OK	7.99	
16:30	58.0	51.2	53.7	78	3	5	ENE	OK	7.99	
16:15	60.0	48.6	52.9	66	4	9	ENE	OK	7.99	
16:00	60.0	48.6	52.9	66	4	5	NE	OK	7.99	13.90
15:45	60.0	47.8	52.4	64	4	6	ENE	OK	7.99	
15:30	61.0	50.0	54.0	67	5	3	NE	OK	7.99	
15:15	60.0	48.6	52.9	66	6	11	ESE	OK	7.99	
15:00	60.0	48.6	52.9	66	4	2	E	OK	7.99	13.80
14:45	59.0	48.8	52.6	69	8	10	NE	OK	7.99	
14:30	59.0	48.8	52.6	69	6	10	E	OK	7.99	
14:15	60.0	50.2	53.8	70	6	11	ENE	OK	7.98	
14:00	59.0	48.8	52.6	69	6	3	ENE	OK	7.98	13.80
13:45	59.0	49.2	52.9	70	8	4	ENE	OK	7.98	
13:30	59.0	49.2	52.9	70	7	5	ENE	OK	7.98	

13:15	54.0	48.3	50.5	81	5	8	E	OK	7.97	
13:00	54.0	48.0	50.3	80	6	5	E	OK	7.97	13.20
12:45	55.0	47.9	50.7	77	8	9	ESE	OK	7.97	
12:30	55.0	48.3	50.9	78	4	4	ENE	OK	7.97	
12:15	54.0	48.0	50.3	80	4	6	ESE	OK	7.95	
12:00	54.0	48.0	50.3	80	4	5	ESE	OK	7.95	13.10
11:45	54.0	48.0	50.3	80	2	2	ENE	OK	7.94	
11:30	53.0	47.3	49.6	81	1	1	ESE	OK	7.94	
11:15	52.0	47.0	49.0	83	1	1	E	OK	7.94	
11:00	52.0	47.0	49.0	83	0	0		OK	7.94	12.80
10:45	52.0	47.9	49.6	86	1	0	NE	OK	7.94	
10:30	52.0	48.3	49.7	87	0	0		OK	7.94	
10:15	51.0	47.6	49.0	88	0	1	NE	OK	7.94	
10:00	51.0	47.6	49.0	88	0	0		OK	7.94	12.70
9:45	51.0	47.6	49.0	88	0	1	SE	OK	7.94	
9:30	51.0	47.6	49.0	88	1	1	NNE	OK	7.94	
9:15	50.0	46.9	48.2	89	1	2	SSE	OK	7.94	
9:00	50.0	46.9	48.2	89	1	1	S	OK	7.94	12.70
8:45	50.0	47.2	48.3	90	1	2	SW	OK	7.94	
8:30	49.0	46.2	47.4	90	2	2	SW	OK	7.94	
8:15	49.0	46.2	47.4	90	1	2	ESE	OK	7.94	
8:00	49.0	45.9	47.2	89	1	1	SE	OK	7.94	12.70
7:45	49.0	45.9	47.2	89	1	1	ESE	OK	7.94	
7:30	49.0	45.6	47.0	88	2	1	ESE	OK	7.94	
7:15	49.0	45.6	47.0	88	4	6	E	OK	7.94	
7:00	49.0	45.6	47.0	88	4	4	E	OK	7.94	12.70
6:45	49.0	45.6	47.0	88	5	4	E	OK	7.94	
6:30	50.0	47.5	48.5	91	3	3	E	OK	7.93	
6:15	50.0	47.2	48.3	90	2	3	ESE	OK	7.93	
6:00	49.0	46.2	47.4	90	2	3	E	OK	7.93	12.80
5:45	50.0	47.2	48.3	90	0	0		OK	7.93	
5:30	50.0	47.2	48.3	90	0	0		OK	7.93	
5:15	50.0	47.2	48.3	90	1	3	ESE	OK	7.93	
5:00	49.0	46.2	47.4	90	2	1	ESE	OK	7.93	12.80

Past Weather Conditions for SFDU1

Observations prior to selected time: September 12, 2013 - 06:00 MDT

Weather Conditions at September 12, 2013 - 6:00 MDT

Graphical Links	With Prior Obs	6:00	24 Hour Max	24 Hour Min
Temperature	Temperature	49.0° F	63.0 at 16:00	47.0 at 7:30
Dew Point	Dew Point	44.7° F	52.2 at 15:00	44.5 at 7:30
Wet_Bulb Temperature	Wet_Bulb Temperature	46.5° F	55.3 at 16:00	45.6 at 7:30
Relative Humidity	Relative Humidity	85%	91 at 6:30	57 at 17:30
Wind Speed	Wind Speed	6 mph from ESE	11 at 16:30	0 at 2:00
Wind Gust	Wind Gust	5 mph	15 at 14:00	0 at 0:45
Battery voltage	Battery voltage	12.80 volt	14.00 at 15:00	12.60 at 8:00

Precipitation accumulated since midnight: 0.40", in 24 hours: 0.74"

Tabular Listing: September 11, 2013 - 6:00 through September 12, 2013 - 06:00 MDT

Time(MDT)	Temperature	Dew Point	Wet Bulb Temperature	Relative Humidity	Wind Speed	Wind Gust	Wind Direction	Quality check	Precipitation accumulated	Battery voltage
	° F	° F	° F	%	mph	mph			in	volt
6:00	49.0	44.7	46.5	85	6	5	ESE	OK	9.28	12.80
5:45	48.0	44.9	46.2	89	4	6	S	OK	9.26	
5:30	48.0	44.9	46.2	89	2	3	SSW	OK	9.23	
5:15	49.0	45.9	47.2	89	2	3	SSW	OK	9.21	
5:00	49.0	46.2	47.4	90	1	2	S	OK	9.20	12.80
4:45	49.0	45.9	47.2	89	3	4	W	OK	9.16	
4:30	49.0	46.2	47.4	90	1	2	SW	OK	9.15	
4:15	50.0	47.5	48.5	91	2	4	SE	OK	9.08	
4:00	50.0	47.5	48.5	91	2	2	WSW	OK	9.08	12.80
3:45	49.0	46.5	47.5	91	1	1	SSE	OK	9.07	
3:30	49.0	46.5	47.5	91	0	0		OK	9.07	
3:15	49.0	46.2	47.4	90	2	2	SW	OK	9.07	
3:00	49.0	46.2	47.4	90	2	2	SSW	OK	9.07	12.80
2:45	49.0	46.5	47.5	91	4	4	SE	OK	9.07	
2:30	50.0	47.5	48.5	91	1	1	SE	OK	9.00	
2:15	49.0	46.5	47.5	91	2	3	W	OK	8.94	
2:00	49.0	46.5	47.5	91	0	1	SSW	OK	8.94	12.80
1:45	49.0	46.2	47.4	90	1	1	SE	OK	8.94	
1:30	50.0	47.2	48.3	90	1	0	SE	OK	8.94	
1:15	50.0	46.9	48.2	89	2	3	S	OK	8.94	
1:00	51.0	47.9	49.1	89	1	2	S	OK	8.94	12.90
0:45	51.0	47.9	49.1	89	1	0	WNW	OK	8.94	
0:30	51.0	47.9	49.1	89	3	1	SSW	OK	8.93	
0:15	51.0	48.2	49.3	90	2	4	W	OK	8.88	
0:00	51.0	48.2	49.3	90	2	2	W	OK	8.88	12.90

23:45	50.0	47.2	48.3	90	2	2	SE	OK	8.81	
23:30	50.0	47.2	48.3	90	3	3	WSW	OK	8.81	
23:15	50.0	47.2	48.3	90	2	3	S	OK	8.81	
23:00	50.0	46.9	48.2	89	3	3	SSE	OK	8.81	12.90
22:45	50.0	46.9	48.2	89	1	2	ESE	OK	8.80	
22:30	50.0	46.3	47.8	87	1	2	SSW	OK	8.80	
22:15	51.0	46.0	48.0	83	2	3	SW	OK	8.80	
22:00	51.0	45.7	47.9	82	2	3	WSW	OK	8.80	12.90
21:45	54.0	46.3	49.3	75	1	1	WSW	OK	8.64	
21:30	55.0	46.1	49.7	72	5	4	E	OK	8.64	
21:15	55.0	46.1	49.7	72	6	9	E	OK	8.64	
21:00	55.0	45.8	49.4	71	7	9	E	OK	8.64	13.00
20:45	55.0	45.4	49.2	70	9	9	E	OK	8.64	
20:30	56.0	47.1	50.6	72	6	6	E	OK	8.64	
20:15	56.0	46.7	50.4	71	5	6	ESE	OK	8.64	
20:00	56.0	46.7	50.4	71	5	5	ESE	OK	8.64	12.90
19:45	57.0	47.7	51.3	71	5	5	ENE	OK	8.64	
19:30	58.0	48.3	52.0	70	6	8	E	OK	8.64	
19:15	58.0	48.6	52.2	71	6	10	ENE	OK	8.64	
19:00	58.0	48.6	52.2	71	6	3	E	OK	8.64	13.30
18:45	59.0	47.7	52.0	66	8	7	E	OK	8.64	
18:30	62.0	46.6	52.5	57	10	11	ENE	OK	8.64	
18:15	63.0	47.5	53.3	57	6	10	ENE	OK	8.64	
18:00	63.0	47.5	53.3	57	8	3	ENE	OK	8.64	13.90
17:45	63.0	47.5	53.3	57	7	11	ENE	OK	8.64	
17:30	63.0	47.5	53.3	57	7	5	E	OK	8.64	
17:15	63.0	48.9	54.1	60	8	15	ENE	OK	8.64	
17:00	63.0	48.9	54.1	60	8	9	ENE	OK	8.64	13.90
16:45	62.0	48.0	53.2	60	9	7	E	OK	8.64	
16:30	62.0	48.0	53.2	60	11	9	ENE	OK	8.64	
16:15	63.0	48.9	54.1	60	8	13	ENE	OK	8.64	
16:00	63.0	51.0	55.3	65	7	5	ENE	OK	8.64	13.80
15:45	61.0	49.6	53.8	66	8	12	ENE	OK	8.63	
15:30	58.0	49.0	52.4	72	4	4	ENE	OK	8.63	
15:15	59.0	51.8	54.4	77	8	15	NE	OK	8.63	
15:00	58.0	52.2	54.3	81	8	6	NE	OK	8.63	14.00
14:45	57.0	50.2	52.7	78	6	7	E	OK	8.63	
14:30	59.0	50.7	53.7	74	8	3	NE	OK	8.63	
14:15	58.0	49.0	52.4	72	8	15	E	OK	8.62	
14:00	58.0	49.4	52.6	73	7	15	E	OK	8.62	13.50
13:45	58.0	49.0	52.4	72	7	4	ESE	OK	8.62	
13:30	57.0	50.2	52.7	78	4	3	E	OK	8.61	

13:15	56.0	50.9	52.8	83	3	5	E	OK	8.61	
13:00	55.0	49.6	51.7	82	3	5	SE	OK	8.61	13.40
12:45	54.0	48.6	50.7	82	4	5	E	OK	8.61	
12:30	56.0	49.9	52.2	80	4	6	E	OK	8.61	
12:15	56.0	50.6	52.6	82	9	14	NE	OK	8.61	
12:00	56.0	50.9	52.8	83	6	5	NE	OK	8.61	13.20
11:45	55.0	50.6	52.2	85	4	5	ENE	OK	8.61	
11:30	54.0	49.9	51.5	86	5	4	E	OK	8.61	
11:15	54.0	49.0	50.9	83	5	7	E	OK	8.58	
11:00	54.0	48.3	50.5	81	6	6	ESE	OK	8.58	13.20
10:45	54.0	48.6	50.7	82	6	8	E	OK	8.58	
10:30	54.0	49.9	51.5	86	5	6	E	OK	8.56	
10:15	52.0	48.6	49.9	88	5	8	ESE	OK	8.55	
10:00	52.0	48.9	50.1	89	5	5	ESE	OK	8.55	12.80
9:45	51.0	48.2	49.3	90	5	4	E	OK	8.55	
9:30	51.0	48.5	49.5	91	5	4	E	OK	8.55	
9:15	50.0	47.5	48.5	91	3	6	ENE	OK	8.55	
9:00	50.0	47.5	48.5	91	3	6	ENE	OK	8.55	12.60
8:45	49.0	46.5	47.5	91	5	6	E	OK	8.55	
8:30	48.0	45.2	46.4	90	1	2	SE	OK	8.55	
8:15	49.0	45.9	47.2	89	3	5	E	OK	8.55	
8:00	49.0	45.6	47.0	88	3	5	ENE	OK	8.55	12.60
7:45	48.0	45.5	46.6	91	7	8	ESE	OK	8.55	
7:30	47.0	44.5	45.6	91	1	1	ENE	OK	8.54	
7:15	48.0	44.9	46.2	89	1	1	ENE	OK	8.54	
7:00	48.0	45.2	46.4	90	1	1	E	OK	8.54	12.70
6:45	48.0	44.9	46.2	89	3	3	E	OK	8.54	
6:30	48.0	45.5	46.6	91	5	5	E	OK	8.54	
6:15	49.0	45.6	47.0	88	2	3	ENE	OK	8.54	
6:00	49.0	45.6	47.0	88	2	2	E	OK	8.54	12.70
5:45	49.0	45.9	47.2	89	5	5	ESE	OK	8.54	
5:30	49.0	45.9	47.2	89	3	2	ENE	OK	8.54	
5:15	50.0	46.6	48.0	88	3	5	ESE	OK	8.54	
5:00	50.0	46.6	48.0	88	3	4	ESE	OK	8.54	12.80

Past Weather Conditions for SFDU1

Observations prior to selected time: September 13, 2013 - 06:00 MDT

Weather Conditions at September 13, 2013 - 6:00 MDT

Graphical Links	With Prior Obs	6:00	24 Hour Max	24 Hour Min
Temperature	Temperature	46.0° F	63.0 at 16:45	44.0 at 3:00
Dew Point	Dew Point	44.1° F	50.9 at 14:45	41.4 at 11:30
Wet_Bulb Temperature	Wet_Bulb Temperature	44.9° F	54.6 at 15:00	42.7 at 3:00
Relative Humidity	Relative Humidity	93%	93 at 4:00	52 at 18:30
Wind Speed	Wind Speed	0 mph	8 at 17:15	0 at 9:45
Wind Gust	Wind Gust	0 mph	15 at 17:15	0 at 7:30
Battery voltage	Battery voltage	12.70 volt	13.80 at 15:00	12.60 at 8:00

Precipitation accumulated since midnight: 0.00", in 24 hours: 0.31"

Tabular Listing: September 12, 2013 - 6:00 through September 13, 2013 - 06:00 MDT

Time(MDT)	Temperature	Dew Point	Wet Bulb Temperature	Relative Humidity	Wind Speed	Wind Gust	Wind Direction	Quality check	Precipitation accumulated	Battery voltage
	° F	° F	° F	%	mph	mph			in	volt
6:00	46.0	44.1	44.9	93	0	0		OK	9.59	12.70
5:45	45.0	43.1	44.0	93	0	0		OK	9.59	
5:30	45.0	43.1	44.0	93	2	1	E	OK	9.59	
5:15	45.0	42.8	43.8	92	0	1	ESE	OK	9.59	
5:00	45.0	43.1	44.0	93	1	1	ENE	OK	9.59	12.80
4:45	44.0	41.8	42.8	92	0	1	ESE	OK	9.59	
4:30	44.0	41.8	42.8	92	1	1	E	OK	9.59	
4:15	45.0	43.1	44.0	93	2	3	SSW	OK	9.59	
4:00	45.0	43.1	44.0	93	1	2	S	OK	9.59	12.80
3:45	44.0	41.8	42.8	92	1	2	WSW	OK	9.59	
3:30	44.0	41.5	42.7	91	0	1	E	OK	9.59	
3:15	44.0	41.5	42.7	91	2	2	E	OK	9.59	
3:00	44.0	41.5	42.7	91	2	2	ENE	OK	9.59	12.80
2:45	45.0	42.5	43.6	91	0	0		OK	9.59	
2:30	45.0	42.5	43.6	91	0	0		OK	9.59	
2:15	45.0	42.5	43.6	91	1	2	ESE	OK	9.59	
2:00	45.0	42.5	43.6	91	1	2	SE	OK	9.59	12.80
1:45	46.0	43.5	44.6	91	2	1	SSE	OK	9.59	
1:30	46.0	43.5	44.6	91	1	0	S	OK	9.59	
1:15	45.0	42.2	43.5	90	0	0		OK	9.59	
1:00	45.0	42.2	43.5	90	0	0		OK	9.59	12.80
0:45	45.0	42.0	43.3	89	0	0		OK	9.59	
0:30	46.0	42.9	44.3	89	0	0		OK	9.59	
0:15	46.0	42.6	44.1	88	1	1	S	OK	9.59	
0:00	46.0	42.6	44.1	88	0	1	SSE	OK	9.59	12.90

23:45	47.0	43.6	45.1	88	2	2	SSW	OK	9.59	
23:30	47.0	43.3	44.9	87	0	1	SSE	OK	9.59	
23:15	49.0	44.7	46.5	85	2	4	SSW	OK	9.59	
23:00	49.0	44.7	46.5	85	2	3	SSW	OK	9.59	12.90
22:45	48.0	44.0	45.7	86	1	1	S	OK	9.59	
22:30	49.0	45.0	46.7	86	1	1	SSW	OK	9.59	
22:15	50.0	46.0	47.6	86	1	2	SSW	OK	9.59	
22:00	50.0	46.0	47.6	86	1	1	SW	OK	9.59	12.90
21:45	50.0	45.4	47.3	84	1	0	SSE	OK	9.59	
21:30	51.0	46.3	48.2	84	1	1	SW	OK	9.59	
21:15	51.0	45.7	47.9	82	0	1	S	OK	9.59	
21:00	51.0	45.7	47.9	82	1	0	SSE	OK	9.59	13.00
20:45	51.0	45.0	47.5	80	0	1	SSE	OK	9.59	
20:30	52.0	44.7	47.7	76	0	0		OK	9.59	
20:15	54.0	44.4	48.3	70	1	1	SSW	OK	9.59	
20:00	55.0	45.0	49.0	69	1	0	SW	OK	9.59	13.00
19:45	57.0	44.9	49.8	64	2	2	ESE	OK	9.59	
19:30	58.0	44.6	50.0	61	5	4	ESE	OK	9.59	
19:15	59.0	44.7	50.4	59	5	8	E	OK	9.59	
19:00	60.0	44.7	50.8	57	5	6	NE	OK	9.59	13.20
18:45	61.0	44.7	51.1	55	4	4	ENE	OK	9.59	
18:30	61.0	43.2	50.4	52	4	3	ENE	OK	9.59	
17:15	62.0	45.6	52.0	55	8	15	E	OK	9.59	
17:00	62.0	48.8	53.7	62	6	5	ENE	OK	9.59	13.60
16:45	63.0	47.5	53.3	57	6	3	E	OK	9.59	
16:30	61.0	47.9	52.8	62	4	3	ENE	OK	9.59	
16:15	60.0	47.4	52.2	63	4	7	ENE	OK	9.59	
16:00	60.0	46.9	51.9	62	5	4	ENE	OK	9.59	13.60
15:45	61.0	46.1	51.9	58	6	3	NE	OK	9.59	
15:30	61.0	45.7	51.6	57	7	10	ESE	OK	9.59	
15:15	62.0	50.1	54.4	65	7	10	ENE	OK	9.58	
15:00	62.0	50.5	54.6	66	7	7	NE	OK	9.58	13.80
14:45	60.0	50.9	54.2	72	6	2	ENE	OK	9.56	
14:30	57.0	49.2	52.1	75	7	8	E	OK	9.56	
14:15	57.0	46.5	50.6	68	2	4	E	OK	9.55	
14:00	56.0	46.4	50.1	70	1	1	ENE	OK	9.55	13.40
13:45	52.0	43.3	46.9	72	4	4	W	OK	9.55	
13:30	51.0	44.0	46.9	77	2	2	WNW	OK	9.55	
13:15	51.0	44.4	47.1	78	2	6	WNW	OK	9.55	
13:00	51.0	44.4	47.1	78	3	1	W	OK	9.55	13.10
12:45	51.0	44.0	46.9	77	3	4	WNW	OK	9.55	
12:30	51.0	43.0	46.4	74	3	4	W	OK	9.55	

12:15	47.0	42.7	44.6	85	3	4	S	OK	9.55	
12:00	47.0	42.4	44.4	84	3	4	SSW	OK	9.55	12.70
11:45	47.0	41.8	44.1	82	4	4	WSW	OK	9.52	
11:30	46.0	41.4	43.5	84	1	3	WSW	OK	9.51	
11:15	48.0	42.8	45.0	82	4	11	W	OK	9.44	
11:00	49.0	43.7	46.0	82	6	11	WNW	OK	9.44	13.00
10:45	50.0	46.9	48.2	89	3	2	S	OK	9.39	
10:30	50.0	46.6	48.0	88	0	1	SW	OK	9.39	
10:15	52.0	48.3	49.7	87	1	2	SSE	OK	9.29	
10:00	52.0	48.3	49.7	87	1	2	ESE	OK	9.29	12.70
9:45	51.0	47.6	49.0	88	0	0		OK	9.29	
9:30	52.0	48.6	49.9	88	1	1	ENE	OK	9.29	
9:15	48.0	45.2	46.4	90	1	2	SE	OK	9.29	
9:00	48.0	45.2	46.4	90	2	2	E	OK	9.29	12.60
8:45	48.0	45.2	46.4	90	1	0	SSW	OK	9.29	
8:30	47.0	44.5	45.6	91	2	1	W	OK	9.29	
8:15	46.0	43.2	44.5	90	1	2	WNW	OK	9.28	
8:00	46.0	43.2	44.5	90	1	2	SW	OK	9.28	12.60
7:45	46.0	43.5	44.6	91	2	3	SE	OK	9.28	
7:30	46.0	43.2	44.5	90	1	0	E	OK	9.28	
7:15	46.0	43.2	44.5	90	7	8	E	OK	9.28	
7:00	46.0	43.2	44.5	90	4	6	ENE	OK	9.28	12.70
6:45	47.0	43.6	45.1	88	5	6	ENE	OK	9.28	
6:30	47.0	43.3	44.9	87	7	9	ESE	OK	9.28	
6:15	49.0	44.4	46.3	84	7	9	ESE	OK	9.28	
6:00	49.0	44.7	46.5	85	6	5	ESE	OK	9.28	12.80
5:45	48.0	44.9	46.2	89	4	6	S	OK	9.26	
5:30	48.0	44.9	46.2	89	2	3	SSW	OK	9.23	
5:15	49.0	45.9	47.2	89	2	3	SSW	OK	9.21	
5:00	49.0	46.2	47.4	90	1	2	S	OK	9.20	12.80

Past Weather Conditions for SFDU1

Observations prior to selected time: September 14, 2013 - 06:00 MDT

Weather Conditions at September 14, 2013 - 6:00 MDT

Graphical Links	With Prior Obs	6:00	24 Hour Max	24 Hour Min
Temperature	Temperature	46.0° F	61.0 at 12:00	45.0 at 7:45
Dew Point	Dew Point	44.1° F	51.4 at 10:45	42.4 at 15:30
Wet Bulb Temperature	Wet Bulb Temperature	44.9° F	53.8 at 12:00	43.8 at 4:00
Relative Humidity	Relative Humidity	93%	93 at 6:00	65 at 12:15
Wind Speed	Wind Speed	1 mph from SE	8 at 12:00	0 at 6:00
Wind Gust	Wind Gust	1 mph	14 at 11:15	0 at 6:00
Battery voltage	Battery voltage	12.70 volt	13.80 at 13:00	12.60 at 8:00

Precipitation accumulated since midnight: 0.00", in 24 hours: 0.00"

Tabular Listing: September 13, 2013 - 6:00 through September 14, 2013 - 06:00 MDT

Time(MDT)	Temperature	Dew Point	Wet Bulb Temperature	Relative Humidity	Wind Speed	Wind Gust	Wind Direction	Quality check	Precipitation accumulated	Battery voltage
	° F	° F	° F	%	mph	mph			in	volt
6:00	46.0	44.1	44.9	93	1	1	SE	OK	9.59	12.70
5:45	46.0	43.8	44.8	92	1	0	W	OK	9.59	
5:30	45.0	43.1	44.0	93	1	1	SE	OK	9.59	
5:15	45.0	43.1	44.0	93	0	0		OK	9.59	
5:00	45.0	42.8	43.8	92	0	0		OK	9.59	12.80
4:45	45.0	42.8	43.8	92	2	2	ENE	OK	9.59	
4:30	45.0	43.1	44.0	93	2	1	SSE	OK	9.59	
4:15	45.0	42.8	43.8	92	0	1	NE	OK	9.59	
4:00	45.0	42.8	43.8	92	0	0		OK	9.59	12.80
3:45	46.0	43.5	44.6	91	3	2	ESE	OK	9.59	
3:30	47.0	45.1	45.9	93	2	2	SW	OK	9.59	
3:15	46.0	43.8	44.8	92	1	1	E	OK	9.59	
3:00	46.0	43.8	44.8	92	0	0		OK	9.59	12.80
2:45	46.0	43.5	44.6	91	0	0		OK	9.59	
2:30	46.0	43.5	44.6	91	0	0		OK	9.59	
2:15	47.0	44.8	45.8	92	0	1	SSE	OK	9.59	
2:00	47.0	44.8	45.8	92	1	1	WSW	OK	9.59	12.90
1:45	46.0	43.8	44.8	92	0	0		OK	9.59	
1:30	46.0	43.5	44.6	91	2	3	E	OK	9.59	
1:15	46.0	43.5	44.6	91	2	4	ESE	OK	9.59	
1:00	46.0	43.5	44.6	91	1	1	ENE	OK	9.59	12.80
0:45	46.0	43.5	44.6	91	2	1	SE	OK	9.59	
0:30	46.0	43.5	44.6	91	1	1	SSE	OK	9.59	
0:15	47.0	44.2	45.4	90	1	3	SE	OK	9.59	
0:00	47.0	44.2	45.4	90	1	1	SE	OK	9.59	12.90

23:45	47.0	43.9	45.3	89	0	1	S	OK	9.59	
23:30	48.0	44.9	46.2	89	1	1	SSE	OK	9.59	
23:15	49.0	45.9	47.2	89	2	3	S	OK	9.59	
23:00	49.0	45.9	47.2	89	1	1	S	OK	9.59	12.90
22:45	50.0	46.9	48.2	89	0	0		OK	9.59	
22:30	49.0	46.2	47.4	90	3	2	SE	OK	9.59	
22:15	49.0	46.2	47.4	90	2	3	SE	OK	9.59	
22:00	49.0	46.2	47.4	90	3	3	ESE	OK	9.59	12.90
21:45	49.0	46.2	47.4	90	1	1	E	OK	9.59	
21:30	50.0	46.9	48.2	89	0	0		OK	9.59	
21:15	51.0	47.9	49.1	89	0	1	SE	OK	9.59	
21:00	51.0	47.9	49.1	89	1	0	SSE	OK	9.59	12.90
20:45	51.0	47.9	49.1	89	2	2	ENE	OK	9.59	
20:30	51.0	47.6	49.0	88	2	2	ENE	OK	9.59	
20:15	52.0	48.6	49.9	88	3	5	ENE	OK	9.59	
20:00	52.0	48.6	49.9	88	3	2	ENE	OK	9.59	13.10
19:45	51.0	47.6	49.0	88	3	3	NE	OK	9.59	
19:30	52.0	48.6	49.9	88	3	4	ENE	OK	9.59	
19:15	53.0	49.2	50.7	87	3	6	NE	OK	9.59	
19:00	53.0	49.2	50.7	87	3	6	NE	OK	9.59	13.60
18:45	53.0	48.3	50.1	84	5	6	NE	OK	9.59	
18:30	54.0	48.0	50.3	80	4	5	E	OK	9.59	
18:15	55.0	48.3	50.9	78	1	3	SE	OK	9.59	
18:00	55.0	49.3	51.5	81	1	1	SSW	OK	9.59	13.40
17:45	53.0	48.0	49.9	83	2	1	NNE	OK	9.59	
17:30	52.0	47.6	49.4	85	2	3	SE	OK	9.59	
17:15	51.0	46.7	48.4	85	3	5	ENE	OK	9.59	
17:00	51.0	47.0	48.6	86	2	2	ENE	OK	9.59	13.70
16:45	51.0	46.0	48.0	83	2	2	ENE	OK	9.59	
16:30	51.0	45.4	47.7	81	3	3	ENE	OK	9.59	
16:15	49.0	45.0	46.7	86	5	7	ENE	OK	9.59	
16:00	49.0	45.3	46.8	87	4	5	ENE	OK	9.59	13.80
15:45	48.0	43.1	45.2	83	8	12	E	OK	9.59	
15:30	49.0	42.4	45.3	78	8	6	E	OK	9.59	
15:15	50.0	44.4	46.7	81	7	10	ENE	OK	9.59	
15:00	50.0	44.4	46.7	81	8	5	NE	OK	9.59	13.80
14:45	53.0	43.9	47.6	71	6	4	E	OK	9.59	
14:30	54.0	46.3	49.3	75	7	6	E	OK	9.59	
14:15	54.0	44.8	48.5	71	7	11	E	OK	9.59	
14:00	54.0	45.5	48.9	73	6	6	ENE	OK	9.59	13.40
13:45	51.0	43.7	46.8	76	7	6	ENE	OK	9.59	
13:30	53.0	45.6	48.6	76	8	10	ENE	OK	9.59	

13:15	56.0	48.2	51.2	75	7	12	ENE	OK	9.59	
13:00	56.0	48.5	51.4	76	7	8	ENE	OK	9.59	13.80
12:45	57.0	47.7	51.3	71	8	5	NE	OK	9.59	
12:30	58.0	48.3	52.0	70	6	8	ENE	OK	9.59	
12:15	61.0	49.1	53.5	65	7	11	ENE	OK	9.59	
12:00	61.0	49.6	53.8	66	8	6	ENE	OK	9.59	13.60
11:45	59.0	49.2	52.9	70	6	7	ENE	OK	9.59	
11:30	58.0	49.4	52.6	73	6	6	NE	OK	9.59	
11:15	55.0	50.3	52.0	84	7	14	NE	OK	9.59	
11:00	55.0	50.6	52.2	85	6	6	NE	OK	9.59	13.40
10:45	54.0	51.4	52.4	91	1	1	ENE	OK	9.59	
10:30	52.0	49.7	50.6	92	1	1	S	OK	9.59	
10:15	51.0	49.0	49.8	93	2	2	NW	OK	9.59	
10:00	51.0	49.0	49.8	93	2	2	WNW	OK	9.59	12.70
9:45	50.0	48.1	48.9	93	1	1	W	OK	9.59	
9:30	49.0	47.1	47.9	93	0	0		OK	9.59	
9:15	48.0	46.1	46.9	93	0	1	ENE	OK	9.59	
9:00	47.0	45.1	45.9	93	0	0		OK	9.59	12.60
8:45	47.0	45.1	45.9	93	0	0		OK	9.59	
8:30	46.0	44.1	44.9	93	1	1	SE	OK	9.59	
8:15	46.0	44.1	44.9	93	1	1	S	OK	9.59	
8:00	46.0	44.1	44.9	93	1	1	S	OK	9.59	12.60
7:45	45.0	43.1	44.0	93	1	1	ESE	OK	9.59	
7:30	46.0	44.1	44.9	93	1	2	SE	OK	9.59	
7:15	46.0	44.1	44.9	93	1	1	SW	OK	9.59	
7:00	46.0	44.1	44.9	93	0	0		OK	9.59	12.70
6:45	46.0	44.1	44.9	93	1	1	W	OK	9.59	
6:30	46.0	44.1	44.9	93	2	2	SE	OK	9.59	
6:15	46.0	44.1	44.9	93	0	0		OK	9.59	
6:00	46.0	44.1	44.9	93	0	0		OK	9.59	12.70
5:45	45.0	43.1	44.0	93	0	0		OK	9.59	
5:30	45.0	43.1	44.0	93	2	1	E	OK	9.59	
5:15	45.0	42.8	43.8	92	0	1	ESE	OK	9.59	
5:00	45.0	43.1	44.0	93	1	1	ENE	OK	9.59	12.80

Past Weather Conditions for SFDU1

Observations prior to selected time: September 15, 2013 - 06:00 MDT

Weather Conditions at September 15, 2013 - 6:00 MDT

Graphical Links	With Prior Obs	6:00	24 Hour Max	24 Hour Min
Temperature	Temperature	44.0° F	58.0 at 17:30	41.0 at 2:45
Dew Point	Dew Point	42.1° F	50.2 at 13:30	38.9 at 4:00
Wet Bulb Temperature	Wet Bulb Temperature	43.0° F	51.8 at 11:30	39.9 at 4:00
Relative Humidity	Relative Humidity	93%	93 at 6:00	69 at 17:15
Wind Speed	Wind Speed	2 mph from W	5 at 18:00	0 at 7:00
Wind Gust	Wind Gust	3 mph	11 at 18:15	0 at 7:00
Battery voltage	Battery voltage	12.70 volt	13.90 at 17:00	12.70 at 6:00

Precipitation accumulated since midnight: 0.00", in 24 hours: 0.26"

Tabular Listing: September 14, 2013 - 6:00 through September 15, 2013 - 06:00 MDT

Time(MDT)	Temperature	Dew Point	Wet Bulb Temperature	Relative Humidity	Wind Speed	Wind Gust	Wind Direction	Quality check	Precipitation accumulated	Battery voltage
	° F	° F	° F	%	mph	mph			in	volt
6:00	44.0	42.1	43.0	93	2	3	W	OK	9.85	12.70
5:45	43.0	41.1	42.0	93	4	5	WSW	OK	9.85	
5:30	43.0	41.1	42.0	93	3	2	WSW	OK	9.85	
5:15	43.0	41.1	42.0	93	3	4	SW	OK	9.85	
5:00	43.0	41.1	42.0	93	2	3	SW	OK	9.85	12.70
4:45	43.0	41.1	42.0	93	3	2	SW	OK	9.85	
4:30	42.0	40.1	41.0	93	2	3	SW	OK	9.85	
4:15	42.0	40.1	41.0	93	1	3	SW	OK	9.85	
4:00	41.0	38.9	39.9	92	1	1	SW	OK	9.85	12.80
3:45	42.0	40.1	41.0	93	2	1	SW	OK	9.85	
3:30	42.0	40.1	41.0	93	0	0		OK	9.85	
3:15	42.0	40.1	41.0	93	0	1	E	OK	9.85	
3:00	41.0	39.1	40.0	93	0	0		OK	9.85	12.90
2:45	41.0	39.1	40.0	93	0	0		OK	9.85	
2:30	42.0	40.1	41.0	93	2	1	SE	OK	9.85	
2:15	42.0	40.1	41.0	93	1	2	S	OK	9.85	
2:00	42.0	40.1	41.0	93	1	1	SE	OK	9.85	12.90
1:45	43.0	41.1	42.0	93	0	0		OK	9.85	
1:30	43.0	41.1	42.0	93	2	2	SW	OK	9.85	
1:15	43.0	40.8	41.8	92	1	1	ESE	OK	9.85	
1:00	43.0	40.8	41.8	92	1	1	E	OK	9.85	12.80
0:45	44.0	41.8	42.8	92	1	1	SW	OK	9.85	
0:30	43.0	40.8	41.8	92	0	0		OK	9.85	
0:15	44.0	41.5	42.7	91	0	0		OK	9.85	
0:00	44.0	41.5	42.7	91	0	0		OK	9.85	12.90

23:45	44.0	41.5	42.7	91	0	0		OK	9.85	
23:30	44.0	41.5	42.7	91	0	0		OK	9.85	
23:15	45.0	42.5	43.6	91	1	2	S	OK	9.85	
23:00	46.0	43.5	44.6	91	2	1	SSW	OK	9.85	12.90
22:45	46.0	43.2	44.5	90	0	1	S	OK	9.85	
22:30	46.0	43.5	44.6	91	0	0		OK	9.85	
22:15	47.0	44.2	45.4	90	0	1	W	OK	9.85	
22:00	47.0	44.2	45.4	90	1	1	W	OK	9.85	12.90
21:45	47.0	43.9	45.3	89	0	0		OK	9.85	
21:30	48.0	44.9	46.2	89	1	1	SE	OK	9.85	
21:15	50.0	46.9	48.2	89	1	1	ESE	OK	9.85	
21:00	49.0	45.6	47.0	88	1	1	SE	OK	9.85	12.90
20:45	51.0	47.9	49.1	89	1	2	NE	OK	9.85	
20:30	51.0	47.6	49.0	88	2	2	SE	OK	9.85	
20:15	51.0	47.0	48.6	86	1	3	ENE	OK	9.85	
20:00	51.0	47.0	48.6	86	1	2	ENE	OK	9.85	13.10
19:45	51.0	46.7	48.4	85	3	2	ESE	OK	9.85	
19:30	51.0	46.7	48.4	85	2	2	ESE	OK	9.85	
19:15	51.0	46.3	48.2	84	4	5	ESE	OK	9.85	
19:00	52.0	47.3	49.2	84	3	3	E	OK	9.85	13.20
18:45	53.0	48.0	49.9	83	5	7	NE	OK	9.85	
18:30	54.0	49.3	51.1	84	2	3	E	OK	9.85	
18:15	54.0	46.3	49.3	75	5	11	WNW	OK	9.84	
18:00	54.0	47.0	49.7	77	5	6	WNW	OK	9.83	13.60
17:45	55.0	47.9	50.7	77	2	1	WNW	OK	9.76	
17:30	58.0	47.9	51.7	69	1	2	W	OK	9.74	
17:15	56.0	46.0	49.9	69	1	3	ENE	OK	9.74	
17:00	56.0	47.1	50.6	72	1	2	ESE	OK	9.74	13.90
16:45	56.0	47.5	50.8	73	2	3	WSW	OK	9.74	
16:30	56.0	48.2	51.2	75	0	1	SSW	OK	9.74	
16:15	55.0	48.3	50.9	78	2	3	ENE	OK	9.74	
16:00	55.0	47.9	50.7	77	2	2	ENE	OK	9.74	13.70
15:45	54.0	47.6	50.1	79	3	3	NE	OK	9.74	
15:30	55.0	49.3	51.5	81	4	3	ENE	OK	9.74	
15:15	53.0	46.7	49.2	79	1	2	E	OK	9.74	
15:00	53.0	46.7	49.2	79	2	2	E	OK	9.74	13.40
14:45	52.0	47.3	49.2	84	2	2	SSE	OK	9.74	
14:30	51.0	45.7	47.9	82	0	0		OK	9.74	
14:15	55.0	48.3	50.9	78	0	1	S	OK	9.69	
14:00	55.0	47.9	50.7	77	1	0	ENE	OK	9.69	13.40
13:45	54.0	48.6	50.7	82	4	4	NE	OK	9.68	
13:30	54.0	50.2	51.7	87	3	1	NE	OK	9.68	

13:15	54.0	48.6	50.7	82	2	3	ENE	OK	9.68	
13:00	54.0	48.6	50.7	82	1	1	ENE	OK	9.68	13.30
12:45	53.0	47.3	49.6	81	2	3	NE	OK	9.68	
12:30	52.0	47.3	49.2	84	4	3	E	OK	9.68	
12:15	52.0	47.6	49.4	85	1	3	S	OK	9.64	
12:00	52.0	47.6	49.4	85	2	1	WSW	OK	9.63	13.50
11:45	53.0	47.3	49.6	81	3	5	W	OK	9.60	
11:30	56.0	49.2	51.8	78	1	0	ESE	OK	9.59	
11:15	52.0	47.9	49.6	86	3	5	NE	OK	9.59	
11:00	52.0	48.6	49.9	88	2	3	NE	OK	9.59	13.10
10:45	51.0	47.9	49.1	89	4	4	NE	OK	9.59	
10:30	51.0	48.5	49.5	91	2	2	NE	OK	9.59	
10:15	49.0	46.8	47.7	92	2	3	NE	OK	9.59	
10:00	49.0	46.8	47.7	92	2	3	ENE	OK	9.59	12.70
9:45	48.0	46.1	46.9	93	2	2	SE	OK	9.59	
9:30	48.0	46.1	46.9	93	2	2	E	OK	9.59	
9:15	47.0	45.1	45.9	93	2	3	ENE	OK	9.59	
9:00	47.0	45.1	45.9	93	2	2	ENE	OK	9.59	12.70
8:45	47.0	45.1	45.9	93	2	2	E	OK	9.59	
8:30	48.0	46.1	46.9	93	3	3	WSW	OK	9.59	
8:15	47.0	45.1	45.9	93	1	1	S	OK	9.59	
8:00	46.0	44.1	44.9	93	1	1	S	OK	9.59	12.70
7:45	47.0	45.1	45.9	93	1	1	ESE	OK	9.59	
7:30	47.0	45.1	45.9	93	1	1	S	OK	9.59	
7:15	47.0	45.1	45.9	93	0	1	ESE	OK	9.59	
7:00	47.0	45.1	45.9	93	0	0		OK	9.59	12.80
6:45	46.0	44.1	44.9	93	1	1	SE	OK	9.59	
6:30	46.0	44.1	44.9	93	2	1	ENE	OK	9.59	
6:15	46.0	44.1	44.9	93	1	1	SE	OK	9.59	
6:00	46.0	44.1	44.9	93	1	1	SE	OK	9.59	12.70
5:45	46.0	43.8	44.8	92	1	0	W	OK	9.59	
5:30	45.0	43.1	44.0	93	1	1	SE	OK	9.59	
5:15	45.0	43.1	44.0	93	0	0		OK	9.59	
5:00	45.0	42.8	43.8	92	0	0		OK	9.59	12.80

Past Weather Conditions for TLNU1

~23 mi ESE of Willow Creek Mine

Observations prior to selected time: September 11, 2013 - 06:00 MDT

Weather Conditions at September 11, 2013 - 6:00 MDT

Graphical Links	With Prior Obs	6:00	24 Hour Max	24 Hour Min
Temperature	Temperature	47.8° F	56.3 at 13:00	46.8 at 4:00
Battery voltage	Battery voltage	12.90 volt	14.50 at 13:00	12.90 at 6:00

Precipitation accumulated since midnight: 0.50", in 24 hours: 0.70"

Tabular Listing: September 10, 2013 - 6:00 through September 11, 2013 - 06:00 MDT

Time(MDT)	Temperature ° F	Quality check	Precipitation accumulated in	Snow depth in	Precipitation smoothed in	Snow smoothed in	Snow water in	Battery voltage volt
6:00	47.8	OK	20.60	3.00	20.60	3.00	0.00	12.90
5:00	47.3	OK	20.60	3.00	20.60	3.00	0.00	12.90
4:00	46.8	OK	20.60	3.00	20.60	3.00	0.00	12.90
3:00	47.3	OK	20.40	3.00	20.40	3.00	0.10	12.90
2:00	48.0	OK	20.20	0.00	20.20	3.00	0.00	12.90
1:00	49.5	OK	20.20	3.00	20.20	3.00	0.00	12.90
0:00	49.8	OK	20.10	3.00	20.10	3.00	0.00	12.90
23:00	49.8	OK	20.10	3.00	20.10	3.00	0.00	13.00
22:00	50.5	OK	20.10	3.00	20.10	3.00	0.00	13.00
21:00	50.9	OK	20.10	3.00	20.10	3.00	0.00	13.00
20:00	50.7	OK	20.00	3.00	20.00	3.00	0.00	13.10
19:00	50.7	N/A	20.00	3.00	20.00	3.00	0.10	13.10
18:00	51.6	N/A	19.90	3.00	19.90	3.00	0.00	13.30
17:00	52.0	OK	19.90	3.00	19.90	3.00	0.00	13.60
16:00	52.0	OK	19.90	3.00	19.90	3.00	0.10	13.60
15:00	54.0	OK	19.80	2.00	19.90	2.00	0.00	14.20
14:00	52.9	OK	19.80	2.00	19.90	2.00	0.00	14.00
13:00	56.3	OK	19.80	2.00	19.90	2.00	0.00	14.50
12:00	51.6	OK	19.90	2.00	19.90	2.00	0.00	13.60
11:00	51.6	OK	19.90	2.00	19.90	2.00	0.00	13.80
10:00	50.5	OK	19.90	3.00	19.90	3.00	0.00	13.30
9:00	49.8	OK	19.90	3.00	19.90	3.00	-0.10	13.00
8:00	49.1	OK	19.90	3.00	19.90	3.00	0.00	12.90
7:00	48.4	OK	19.90	3.00	19.90	3.00	-0.10	12.90
6:00	48.0	OK	19.90	3.00	19.90	3.00	-0.10	12.90
5:00	47.8	OK	19.90	3.00	19.90	3.00	-0.10	12.90

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Past Weather Conditions for TLNU1

Observations prior to selected time: September 12, 2013 - 06:00 MDT

Weather Conditions at September 12, 2013 - 6:00 MDT

Graphical Links	With Prior Obs	6:00	24 Hour Max	24 Hour Min
Temperature	Temperature	44.6° F	54.0 at 13:00	43.5 at 5:00
Battery voltage	Battery voltage	12.80 volt	14.50 at 13:00	12.80 at 8:00

Precipitation accumulated since midnight: 0.50", in 24 hours: 1.80"

Tabular Listing: September 11, 2013 - 6:00 through September 12, 2013 - 06:00 MDT

Time(MDT)	Temperature ° F	Quality check	Precipitation accumulated in	Snow depth in	Precipitation smoothed in	Snow smoothed in	Snow water in	Battery voltage volt
6:00	44.6	OK	22.40	3.00	22.40	3.00	0.00	12.80
5:00	43.5	OK	22.40	3.00	22.40	3.00	0.00	12.80
4:00	48.6	OK	21.90	3.00	21.90	3.00	0.00	12.80
3:00	47.5	OK	21.90	3.00	21.90	3.00	0.00	12.90
2:00	47.8	OK	21.90	0.00	21.90	3.00	0.00	12.90
1:00	49.1	OK	21.90	3.00	21.90	3.00	0.00	12.90
0:00	49.1	OK	21.90	3.00	21.90	3.00	0.00	12.90
23:00	49.8	OK	21.90	3.00	21.90	3.00	0.00	13.00
22:00	48.6	OK	21.90	3.00	21.90	3.00	0.00	13.00
21:00	47.7	OK	21.90	3.00	21.90	3.00	0.00	13.10
20:00	49.1	OK	21.80	3.00	21.80	3.00	0.00	13.20
19:00	50.4	OK	21.80	3.00	21.80	3.00	0.10	13.50
18:00	51.6	OK	21.80	3.00	21.80	3.00	0.00	14.20
17:00	50.0	OK	21.80	3.00	21.80	3.00	0.10	13.10
16:00	49.6	OK	21.70	3.00	21.70	3.00	0.10	13.10
15:00	50.0	OK	21.30	3.00	21.30	3.00	0.10	13.30
14:00	50.2	OK	20.90	3.00	20.90	3.00	0.10	13.50
13:00	54.0	OK	20.60	2.00	20.60	3.00	0.10	14.50
12:00	52.3	OK	20.60	3.00	20.60	3.00	0.00	13.70
11:00	53.6	OK	20.60	3.00	20.60	3.00	0.00	14.00
10:00	51.4	OK	20.60	3.00	20.60	3.00	0.00	13.00
9:00	50.7	OK	20.60	3.00	20.60	3.00	0.00	12.90
8:00	46.8	OK	20.70	3.00	20.60	3.00	0.00	12.80
7:00	46.6	OK	20.70	3.00	20.60	3.00	0.00	12.90
6:00	47.8	OK	20.60	3.00	20.60	3.00	0.00	12.90
5:00	47.3	OK	20.60	3.00	20.60	3.00	0.00	12.90

University of Utah MesoWest

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STATION INFO

ID: TLNU1
NAME: TIMBERLINE
LATITUDE: 39.667
LONGITUDE: -110.433
ELEVATION: 8684 ft
MNET: SNOTEL
LAND COVER: 2001 USGS
DATA COURTESY OF:
Natural Resources Conservation Service

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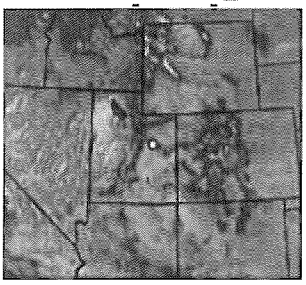

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Past Weather Conditions for TLNU1

Observations prior to selected time: September 13, 2013 - 06:00 MDT

Weather Conditions at September 13, 2013 - 6:00 MDT

Graphical Links	With Prior Obs	6:00	24 Hour Max	24 Hour Min
Temperature	Temperature	45.1° F	60.6 at 18:00	43.3 at 3:00
Battery voltage	Battery voltage	12.90 volt	14.50 at 13:00	12.80 at 6:00

Precipitation accumulated since midnight: 0.00", in 24 hours: 0.00"

Tabular Listing: September 12, 2013 - 6:00 through September 13, 2013 - 06:00 MDT

Time(MDT)	Temperature ° F	Quality check	Precipitation accumulated in	Snow depth in	Precipitation smoothed in	Snow smoothed in	Snow water in	Battery voltage volt
6:00	45.1	OK	22.40	3.00	22.40	3.00	-0.10	12.90
5:00	44.8	OK	22.40	3.00	22.40	3.00	-0.10	13.00
4:00	43.7	OK	22.40	3.00	22.40	3.00	-0.10	13.00
3:00	43.3	OK	22.40	3.00	22.40	3.00	-0.10	13.00
2:00	44.4	OK	22.40	3.00	22.40	3.00	-0.10	13.00
1:00	44.6	OK	22.40	3.00	22.40	3.00	-0.10	13.10
0:00	46.2	OK	22.40	3.00	22.40	3.00	-0.10	13.10
23:00	48.0	OK	22.30	3.00	22.30	3.00	-0.10	13.10
22:00	48.7	OK	22.30	3.00	22.30	3.00	-0.10	13.10
21:00	48.9	OK	22.20	2.00	22.20	2.00	0.00	13.30
20:00	49.3	OK	22.20	2.00	22.20	2.00	0.00	13.50
19:00	56.7			0.00		2.00	0.00	14.20
18:00	60.6	OK	22.00	1.00	22.20	2.00	0.00	14.20
17:00	60.3	OK	22.10	2.00	22.20	2.00	0.00	14.30
16:00	58.8	OK	22.10	2.00	22.20	2.00	0.10	14.10
15:00	57.9	OK	22.10	2.00	22.20	2.00	0.00	14.10
14:00	59.5	OK	22.20	2.00	22.20	2.00	0.10	14.50
13:00	57.9	OK	22.30	2.00	22.30	2.00	0.10	14.50
12:00	55.2	OK	22.40	2.00	22.40	2.00	0.00	14.00
11:00	53.6	OK	22.40	3.00	22.40	3.00	0.00	13.50
10:00	52.3	OK	22.40	3.00	22.40	3.00	0.00	13.10
9:00	48.0	OK	22.40	3.00	22.40	3.00	0.00	12.80
8:00	44.2	OK	22.40	3.00	22.40	3.00	-0.10	12.80
7:00	43.7	OK	22.40	3.00	22.40	3.00	0.00	12.80
6:00	44.6	OK	22.40	3.00	22.40	3.00	0.00	12.80
5:00	43.5	OK	22.40	3.00	22.40	3.00	0.00	12.80

STATION INFO

ID: TLNU1
NAME: TIMBERLINE
LATITUDE: 39.667
LONGITUDE: -110.433
ELEVATION: 8684 ft
MNET: SNOTEL
LAND COVER: 2001 USGS
DATA COURTESY OF:
Natural Resources Conservation Service

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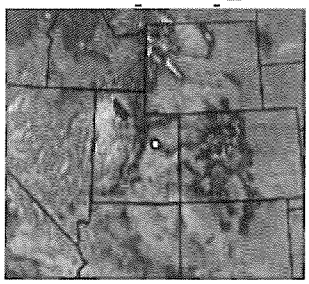

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Past Weather Conditions for TLNU1

Observations prior to selected time: September 14, 2013 - 06:00 MDT

Weather Conditions at September 14, 2013 - 6:00 MDT

Graphical Links	With Prior Obs	6:00	24 Hour Max	24 Hour Min
Temperature	Temperature	46.0° F	56.7 at 14:00	45.1 at 6:00
Battery voltage	Battery voltage	12.80 volt	14.60 at 13:00	12.80 at 3:00

Precipitation accumulated since midnight: 0.10", in 24 hours: 0.30"

Tabular Listing: September 13, 2013 - 6:00 through September 14, 2013 - 06:00 MDT

Time(MDT)	Temperature ° F	Quality check	Precipitation accumulated in	Snow depth in	Precipitation smoothed in	Snow smoothed in	Snow water in	Battery voltage volt
6:00	46.0	OK	22.70	3.00	22.70	3.00	0.00	12.80
5:00	46.4	OK	22.70	3.00	22.70	3.00	0.00	12.80
4:00	46.2	OK	22.70	3.00	22.60	3.00	-0.10	12.90
3:00	45.3	OK	22.70	3.00	22.60	3.00	-0.10	12.80
2:00	45.5	OK	22.70	3.00	22.60	3.00	0.00	12.90
1:00	46.6	OK	22.70	3.00	22.60	3.00	0.00	
0:00	46.6	OK	22.70	3.00	22.60	3.00	0.00	12.90
23:00	47.3	OK	22.60	3.00	22.60	3.00	0.00	12.90
22:00	47.8	OK	22.70	3.00	22.60	3.00	0.00	12.90
21:00	48.4	OK	22.60	3.00	22.60	3.00	0.00	13.00
20:00	47.5	OK	22.60	3.00	22.60	3.00	0.00	13.00
19:00	47.7	OK	22.50	3.00	22.50	3.00	0.00	13.00
18:00	48.0	OK	22.40	3.00	22.40	3.00	0.00	13.10
17:00	51.1	OK	22.40	3.00	22.40	3.00	0.00	13.20
16:00	53.1	OK	22.30	3.00	22.40	3.00	0.00	13.50
15:00	54.5	OK	22.30	2.00	22.40	3.00	0.00	13.90
14:00	56.7	OK	22.30	2.00	22.40	3.00	0.00	14.50
13:00	55.2	OK	22.40	2.00	22.40	3.00	0.00	14.60
12:00	52.0	OK	22.40	3.00	22.40	3.00	0.00	13.70
11:00	52.9	OK	22.50	3.00	22.40	3.00	0.00	14.00
10:00	50.7	OK	22.50	3.00	22.40	3.00	0.00	13.10
9:00	49.5	OK	22.50	3.00	22.40	3.00	0.00	12.90
8:00	48.4	OK	22.50	3.00	22.40	3.00	0.00	12.90
7:00	46.4	OK	22.40	3.00	22.40	3.00	-0.10	12.90
6:00	45.1	OK	22.40	3.00	22.40	3.00	-0.10	12.90
5:00	44.8	OK	22.40	3.00	22.40	3.00	-0.10	13.00

STATION INFO

ID: TLNU1
NAME: TIMBERLINE
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ELEVATION: 8684 ft
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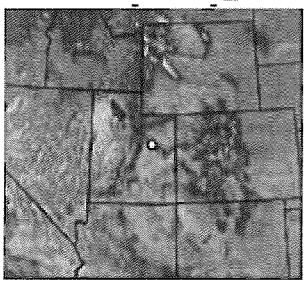

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Past Weather Conditions for TLNU1

Observations prior to selected time: September 15, 2013 - 06:00 MDT

Weather Conditions at September 15, 2013 - 6:00 MDT

Graphical Links	With Prior Obs	6:00	24 Hour Max	24 Hour Min
Temperature	Temperature	45.0° F	51.4 at 13:00	44.1 at 16:00
Battery voltage	Battery voltage	12.80 volt	14.00 at 13:00	12.80 at 6:00

Precipitation accumulated since midnight: 0.00", in 24 hours: 0.70"

Tabular Listing: September 14, 2013 - 6:00 through September 15, 2013 - 06:00 MDT

Time(MDT)	Temperature ° F	Quality check	Precipitation accumulated in	Snow depth in	Precipitation smoothed in	Snow smoothed in	Snow water in	Battery voltage volt
6:00	45.0	OK	23.40	3.00	23.40	3.00	0.00	12.80
5:00	44.2			3.00		3.00	0.00	12.80
4:00	44.1	OK	23.40	3.00	23.40	3.00	-0.10	12.80
3:00	44.8	OK	23.30	3.00	23.40	3.00	-0.10	12.80
2:00	44.4	OK	23.40	3.00	23.40	3.00	-0.10	12.80
1:00	44.1	OK	23.40	3.00	23.40	3.00	0.00	12.90
0:00	45.3	OK	23.40	3.00	23.40	3.00	0.00	12.90
23:00	45.7	OK	23.40	3.00	23.40	3.00	0.00	12.90
22:00	45.5	OK	23.40	3.00	23.40	3.00	0.00	13.00
21:00	45.1	OK	23.30	3.00	23.30	3.00	0.00	13.10
20:00	45.7	OK	23.30	3.00	23.30	3.00	0.00	13.20
19:00	49.3	OK	23.30	3.00	23.30	3.00	0.00	13.60
18:00	47.1	OK	23.30	3.00	23.30	3.00	0.00	13.20
17:00	45.3	OK	23.20	3.00	23.20	3.00	0.00	13.00
16:00	44.1	OK	23.10	3.00	23.10	3.00	0.00	13.10
15:00	47.3	OK	22.70	3.00	22.70	3.00	0.00	13.20
14:00	50.7	OK	22.70	3.00	22.70	3.00	0.00	13.60
13:00	51.4	OK	22.70	3.00	22.70	3.00	0.00	14.00
12:00	50.4	OK	22.70	3.00	22.70	3.00	0.00	13.40
11:00	48.4	OK	22.70	3.00	22.70	3.00	0.00	13.00
10:00	48.9	OK	22.70	3.00	22.70	3.00	0.00	13.00
9:00	47.8	OK	22.70	3.00	22.70	3.00	0.00	12.90
8:00	46.8	OK	22.70	3.00	22.70	3.00	0.00	12.80
7:00	46.2	OK	22.70	3.00	22.70	3.00	0.00	12.80
6:00	46.0	OK	22.70	3.00	22.70	3.00	0.00	12.80
5:00	46.4	OK	22.70	3.00	22.70	3.00	0.00	12.80

ATTACHMENT B

Runoff Calculations

ATTACHMENT B

Runoff Calculations

The quantity of water conveyed in channel CGRD-1 during the September 13-14, 2013 precipitation event was estimated based on a flow depth of 2 feet at channel station 9+00. At this location, the channel had a bottom width of 10 feet, 2:1 side slopes, and a design bottom slope of 27.4%. Using FlowMaster (developed by Haested Methods), the peak flow in the channel was calculated to be approximately 580 cfs (see the attached printout).

Using HydroCAD, the peak flow generated from various storm events was calculated. A runoff curve number of 71 was used for channel design. As is standard practice, this curve number was based on antecedent moisture condition ("AMC") II. Since substantial rainfall had been occurring in the days leading up to September 13, it was assumed that soil moisture conditions in the contributing watershed were more indicative of AMC III. Table 10.0 of Part 630 of the NRCS National Engineering Handbook indicates that a change from AMC II to AMC III will change the curve number from 71 to 86. Thus, a curve number of 86 was used for these calculations.

The results of the HydroCAD calculations are attached and summarized below:

Storm Frequency and Duration	Precipitation Depth (in)	Peak Runoff (cfs)
25-yr, 1-hr	1.17	190
25-yr, 2-hr	1.30	205
25-yr, 6-hr	1.53	217
50-yr, 1-hr	1.41	295
50-yr, 2-hr	1.56	311
50-yr, 6-hr	1.76	290
100-yr, 1-hr	1.69	437
100-yr, 2-hr	1.86	446
100-yr, 6-hr	2.05	387
200-yr, 1-hr	2.02	619
200-yr, 2-hr	2.22	622
200-yr, 6-hr	2.38	503

Result of September 2013 Thunderstorm
Worksheet for Trapezoidal Channel

Project Description	
Worksheet	Thunderstorm E
Flow Element	Trapezoidal Cha
Method	Manning's Form
Solve For	Discharge

Input Data		
Mannings Coeffic	0.039	
Slope	274000	ft/ft
Depth	2.00	ft
Left Side Slope	2.00	V : H
Right Side Slope	2.00	V : H
Bottom Width	10.00	ft

Results		
Discharge	580.08	cfs
Flow Area	22.0	ft²
Wetted Perim	14.47	ft
Top Width	12.00	ft
Critical Depth	4.36	ft
Critical Slope	0.021920	ft/ft
Velocity	26.37	ft/s
Velocity Head	10.80	ft
Specific Energ	12.80	ft
Froude Numb	3.43	
Flow Type	Supercritical	

Summary for Subcatchment 1S: CGRWS-1

Runoff = 190.47 cfs @ 0.74 hrs, Volume= 6.333 af, Depth= 0.29"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-12.00 hrs, dt= 0.05 hrs
Type II 6-hr 1.00 hrs 25-yr, 1-hr Rainfall=1.17"

	Area (ac)	CN	Description
*	263.490	86	
	263.490		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
17.5	8,175	0.6400	7.81		**Lag/CN Method,**

Summary for Subcatchment 1S: CGRWS-1

Runoff = 205.17 cfs @ 1.21 hrs, Volume= 8.011 af, Depth= 0.36"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-12.00 hrs, dt= 0.05 hrs
Type II 6-hr 2.00 hrs 25-yr, 2-hr Rainfall=1.30"

	Area (ac)	CN	Description
*	263.490	86	
	263.490		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
17.5	8,175	0.6400	7.81		**Lag/CN Method,**

Summary for Subcatchment 1S: CGRWS-1

Runoff = 217.46 cfs @ 3.12 hrs, Volume= 11.246 af, Depth= 0.51"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-12.00 hrs, dt= 0.05 hrs
Type II 6-hr 25-yr, 6-hr Rainfall=1.53"

	Area (ac)	CN	Description
*	263.490	86	
	263.490		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
17.5	8,175	0.6400	7.81		**Lag/CN Method,**

Summary for Subcatchment 1S: CGRWS-1

Runoff = 295.15 cfs @ 0.73 hrs, Volume= 9.520 af, Depth= 0.43"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-12.00 hrs, dt= 0.05 hrs
Type II 6-hr 1.00 hrs 50-yr, 1-hr Rainfall=1.41"

	Area (ac)	CN	Description
*	263.490	86	
	263.490		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
17.5	8,175	0.6400	7.81		**Lag/CN Method,**

Summary for Subcatchment 1S: CGRWS-1

Runoff = 310.59 cfs @ 1.20 hrs, Volume= 11.689 af, Depth= 0.53"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-12.00 hrs, dt= 0.05 hrs
Type II 6-hr 2.00 hrs 50-yr, 2-hr Rainfall=1.56"

	Area (ac)	CN	Description
*	263.490	86	
	263.490		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
17.5	8,175	0.6400	7.81		**Lag/CN Method,**

Summary for Subcatchment 1S: CGRWS-1

Runoff = 289.90 cfs @ 3.11 hrs, Volume= 14.753 af, Depth= 0.67"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-12.00 hrs, dt= 0.05 hrs
Type II 6-hr 50-yr, 6-hr Rainfall=1.76"

	Area (ac)	CN	Description
*	263.490	86	
	263.490		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
17.5	8,175	0.6400	7.81		**Lag/CN Method,**

Summary for Subcatchment 1S: CGRWS-1

Runoff = 437.24 cfs @ 0.72 hrs, Volume= 13.661 af, Depth= 0.62"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-12.00 hrs, dt= 0.05 hrs
Type II 6-hr 1.00 hrs 100-yr, 1-hr Rainfall=1.69"

	Area (ac)	CN	Description
*	263.490	86	
	263.490		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
17.5	8,175	0.6400	7.81		**Lag/CN Method,**

Summary for Subcatchment 1S: CGRWS-1

Runoff = 445.92 cfs @ 1.20 hrs, Volume= 16.348 af, Depth= 0.74"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-12.00 hrs, dt= 0.05 hrs
Type II 6-hr 2.00 hrs 100-yr, 2-hr Rainfall=1.86"

	Area (ac)	CN	Description
*	263.490	86	
	263.490		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
17.5	8,175	0.6400	7.81		**Lag/CN Method,**

Summary for Subcatchment 1S: CGRWS-1

Runoff = 386.89 cfs @ 3.11 hrs, Volume= 19.477 af, Depth= 0.89"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-12.00 hrs, dt= 0.05 hrs
Type II 6-hr 100-yr, 6-hr Rainfall=2.05"

	Area (ac)	CN	Description
*	263.490	86	
	263.490		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
17.5	8,175	0.6400	7.81		**Lag/CN Method,**

Summary for Subcatchment 1S: CGRWS-1

Runoff = 618.88 cfs @ 0.72 hrs, Volume= 18.975 af, Depth= 0.86"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-12.00 hrs, dt= 0.05 hrs
Type II 6-hr 1.00 hrs 200-yr, 1-hr Rainfall=2.02"

	Area (ac)	CN	Description
*	263.490	86	
	263.490		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
17.5	8,175	0.6400	7.81		**Lag/CN Method,**

Summary for Subcatchment 1S: CGRWS-1

Runoff = 621.89 cfs @ 1.19 hrs, Volume= 22.372 af, Depth= 1.02"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-12.00 hrs, dt= 0.05 hrs
Type II 6-hr 2.00 hrs 200-yr, 2-hr Rainfall=2.22"

	Area (ac)	CN	Description
*	263.490	86	
	263.490		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
17.5	8,175	0.6400	7.81		**Lag/CN Method,**

Summary for Subcatchment 1S: CGRWS-1

Runoff = 502.76 cfs @ 3.11 hrs, Volume= 25.167 af, Depth= 1.15"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-12.00 hrs, dt= 0.05 hrs
Type II 6-hr 200-yr, 6-hr Rainfall=2.38"

	Area (ac)	CN	Description
*	263.490	86	
	263.490		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
17.5	8,175	0.6400	7.81		**Lag/CN Method,**