

Main-Contractor

Project: Pueblo Dam -

BUTTRESS CONTRACTION JOINT TREATMENT

Revised Baseline Schedule Narrative

Notice to Proceed	Oct 16th, 2018
Forecasted Completion Date	Apr 5 th , 2020
Contractual Completion Date	Apr 5 th , 2020

Report Created by HSE CPM SCHEDULING CONSULTANTS



Contents:

1-	Overview:	3
2-	Construction methodology	3
3-	Project Constraints	4
4-	Defined Work Break Down Structure (WBS)	4
5-	Contractual Dates (A & B Scope of work)	5
6-	Working hours	5
7-	Project Critical Path	6
8-	Calendars	8
9-	Tabular listings of resources and resource limitations	9
10-	Resource Usage Histograms for the baseline schedule	10
	Cost Usage Profile	10
	Dive supervisor Resource Usage Profile	11
	Dive team (6 - Men) Usage Profile	12
	Procurement Team (4-Men) Usage Histogram	13
	L&C Field Staff Usage Histogram	14
	Appendix -1 (Climate Report for Incorporating Non-Working Days in Project Calendar)	15
	Introduction	16
	Procedure of Obtaining the Data	16
	Record of Climatological Observations (Provided by National Oceanic and Atmospheric Administration)	17
	Data Summary	54
	Conclusion	54

Table of Figures:

Figure 1: Project Constraints	4
Figure 2: Work Break down structure (WBS)	4
Figure 3: Detailed work hours	5
Figure 4: Project Critical Path	7
Figure 5: Precipitation exceeded 0.5 inch and snow exceeded 1.0 Inch & Average number of days each month	8
Figure 6: Tabular listings of resources	9
Figure 7: Cost Usage Profile	10
Figure 8: Dive supervisor Resource Usage Profile	11
Figure 9: Dive team (6 - Men) Resource Usage Profile	12
Figure 10: Procurement Team (4-Men) Resource Usage Profile	13

- The project is located at Pueblo Dam, located approximately 8 miles west of Pueblo, Colorado, in Pueblo County.
- The principal components of work to be performed in the project on the contraction joints between the buttresses 9-10,12-13, 13-14, 14-15, 15-16, 16-17, 17-18, 18-19,19-20, 20-21 and 6-7, (11 joints total) for A & B scope of work, each contracting joint includes the following work:
 - 1- Joints Repair.
 - 2- Remove sediment and install bottom plates.
 - 3- Concrete Surface Preparation & Concrete Repairs as needed.
 - 4- Layout and Install sponge rubber entire length of the contraction Joints.
 - 5- Drill and Install angle anchor plates.
- Lillard & Clark Construction Co. Inc. awarded scopes "A" and "B" on Oct 3rd, 2018, and the Notice to proceed issued on Oct 16th, 2018. While the final completion is planned to be on Apr 5th, 2020.

2- Construction methodology

The baseline schedule starts by Contract Award for scopes "A" and "B" on Oct 3rd, 2018. Then Notice to Proceed for Schedule A and B will start on Oct 16th, 2018.

The Preparatory Work will start from Oct 3rd, 2018 till April 26th, 2019. After that onsite mobilization will start from April 29th, 2019 till May 15th, 2019.

The construction process on site will start on by Zone 1 Repairs Joint 9-10 on December 5th 2019 till December 12th 2018 after that the following Zones will start and finish sequentially: Zone 1 Repairs Joint 12-13, Zone 1 Repairs Joint 13-14, Zone 1 Repairs Joint 14-15, Zone 1 Repairs Joint 15-16, Zone 1 Repairs Joint 16-17, Zone 1 Repairs Joint 17-18, Zone 1 Repairs Joint 18-19, Zone 1 Repairs Joint 19-20, Zone 1 Repairs Joint 20-21 then Zone 1 Repairs Joint 6-7 will be completed.

Contraction Joint 9-10 will start on May 16th, 2019 and will be finished on June 11th, 2019. After that the following joints will start sequentially:

Contraction Joint 12-13, Contraction Joint 13-14, Contraction Joint 14-15, Contraction Joint 15-16, Contraction Joint 16-17, Contraction Joint 17-18, Contraction Joint 18-19, Contraction Joint 19-20, Contraction Joint 20-21, Contraction Joint 6-7. After that, SCHEDULE B Complete will be reached on Jan 27th 2020, then the Demobilization will start and finish followed by the final completion which will be reached on Apr 5th, 2020.

Each contraction joint will start with Install / Relocate barge, then Removal of sediment and installation of bottom plates, after that Concrete Surface Preparation will finish, then Concrete Repairs as needed will take place, followed by Layout and Install sponge rubber entire length of contraction joint will be finished, then Drilling and installing angle anchor plates. After that As-built survey should be completed, then the Government acceptance.

3- Project Constraints

There are three constrains applied on the baseline schedule, the following table represents the constraints types and dates:

Activity ID	Activity Name	Constraint Type	Constraint Date
A1000	Contract Award - Schedule A and B	Start on or After	3-Oct-18
A1010	Notice to Proceed - Schedule A and B	Start on or After	16-Oct-18
A3310	Final Completion	Finish On or Before	5-Apr-20

Figure 1: Project Constraints

4- Defined Work Break Down Structure (WBS)

The following diagram reflects the work break down structure used to build the baseline schedule; decomposing the scope of work to manageable sections.

Activity ID		Activity Name	Original Duration	Start	Finish	Total Float
Pue	eblo Base Schedule	5-29-18 - A& B Scope of Work only R.1	551	03-Oct-18	05-Apr-20	0
Α	& B Scope of Work		551	03-Oct-18	05-Apr-20	0
	PUEBLO DAM BUTTRESS O	CONTRACTION JOINT TREATMENT PROJECT	551	03-Oct-18	05-Apr-20	0
	Schedule A and B Comp	lete	551	03-Oct-18	05-Apr-20	0
	Mobilization and Prep	paratory Work	206	03-Oct-18	28-Apr-19	27
	Onsite Mobilization		12	29Apr-19	15-May-19	0
	Zone 1 Repairs		62	05-Dec-18	13-Mar-19	218
	Contraction Joint 9-10) (Schedule A)	17	164May-19	11-Jun-19	0
	Contraction Joint 12-	13 (Schedule B)	17	11-Jun-19	03-Jul-19	0
	Contraction Joint 13-	14 (Schedule B)	17	05Jul-19	30-Jul-19	0
	Contraction Joint 14-	15 (Schedule B)	17	31Jul-19	22-Aug-19	0
	Contraction Joint 15-	16 (Schedule B)	17	23Aug-19	17-Sep-19	0
	Contraction Joint 16-	17 (Schedule B)	17	18-Sep-19	10-Oct-19	0
	Contraction Joint 17-	18 (Schedule A)	18	11-Oct-19	08-Nov-19	0
	Contraction Joint 18-	19 (Schedule A)	17	084Nov-19	05-Dec-19	0
	Contraction Joint 19-2	20 (Schedule B)	17	06-Dec-19	02-Jan-20	0
	Contraction Joint 20-2	21 (Schedule B)	15	03-Jan-20	27-Jan-20	0
	Contraction Joint 6-7	(Schedule A)	14	28-Jan-20	19-Feb-20	0
	Schedule BComplete	•	0	27-Jan-20	27-Jan-20	35
	Demobilization		69	28-Jan-20	05-Apr-20	0

Figure 2: Work Break down structure (WBS)

5- Contractual Dates (A & B Scope of work)

Notice to Proceed Date - Schedule A and B:	Oct 16 th , 2018
Contract Award Date - Schedule A and B:	Oct 3 rd , 2018
Contract Completion Date - Schedule A and B:	Apr 5 th , 2020

6- Working hours

The following figure represents the planned hours for the 5 days work week calendar assigned to the project.

Specify the nur	mber of work ho	urs for each tir	ne period.	1	OK
Hours/Day	Hours/Week	Hours/Month	Hours/Year	0	Cancel
8.0	40.0	120.0	2000.0	-	
1				?	Help

Figure 3: Detailed work hours

7- Project Critical Path

The following figure represents the baseline schedule critical path. The critical path starts by Contract award then preparatory work.

After that onsite mobilization activities start then followed by Contraction joint 9-10 activities. All other Contraction joints will start and finish sequentially till Contraction joint 6-7. After that the demobilization will start, then the final completion will be reached on April 5th, 2020.

Activity	D	AdivityName	Original	Sert	Firish	Total Float								2	910						2020		
			Duration				Sep	Od	Nov	Dec	Jan Feb	Mar Aç	r May	Jun	Jul Au	g Sep	Od	Nov E	Jec Ja	n Feb	Mar /	pr N	lay Jun
	Pueblo Base Schedule	5-29-18- A&B Scope of Work only R.1	551	03-Oci-18	05Apr-20	0					-	: :		:			: :			; ;		05 Apr-	20, Poetio Br
	A& B Scope of Work		551	03-Oci-18	05Aor-20	0				_			_	-		_	_		÷		<u> </u>	05 Apr-	20, A&B Scg
	RIFBLODAMBUTTRESSC	ONTRACTION JOINT TREATMENT PROJECT	551	03.0-448	05Axr-20	0													<u> </u>			05.4	2) RIBIO
	A1000	Contac Revent - International	0	03-Oct-18*	000 00.00	0		Contra	w Award	-Sted	ie Aard B											-	
	A3310	Finl Contrain	0	000000	05Arr-20*	0																FreiCr	mdelion
	Schedule A and B Complet		551	03 Oct-18	05Acr-20	0			į.						<u></u>				<u>(</u>			05 Apr-	20 Schedule
	Mobilization and Prepar	atory Work	206	03 Oct-18	26Apr-19	0							26 Ao	-19. Mot	lization and P	teography	Wak						1
	A2050	RSN 0550104 Sted Seal Plates-Approval Drawings (in Government Format) Assuming 2 review cycles	65	03-Oct-18	08Jan 19	0			:	:	RSN 0550	10-4 Stal Sa	Pates-A	poval D	ravingstinG	overim er	rtformat)	Accumino2	a eview or	des			
	A2080	BOR Review of RSN0550 10-4 Sted Sed Rates - Approved Dravings (in Government Form at) Assuming 2 review cycles	55	09 Jan 19	04Ma-19	0						BORRe	iev d'RS	05 50 10	4 Steel Sect F	tates - Acc	proval Dra	winus (in G	overnmer	(Format) Ass	umina2m	viewicy	cies
	A2110	Prozure RSN 055010 Seel Sail Pates	39	05-Mar-19	26Apr-19	0							Rocu	eRSNO	550 10 Sted S	Saal Flates							
	Onsite Mobilization		12	29 Apr-19	15May-19	0			····· †	····†			1	5 May-1	, Orsite Mob	azation						···· {··	
	A2280	Transportbarge to sie	1	29 Apr-19	29Apr-19	0				1			Tran	portbar	estosile		1			1 1		1	
	A2270	Placebargesections in reservoir and assemble	4	30-Apr-19	03May 19	0	1						Bac	sbarges	dionsinveze	arvor and a	asemble						
	A2280	Pixcequipment onbar geard securie	4	06 May 19	09May 19	0				1			B R	ceequip	nentonbarge	ardsear	e						
	A2290	Transportbargeto Contraction Joint 910 and deploy and tors	1	15 May 19	15May 19	0							111	ansport	argebCont	raction Joir	nt9 10 and	deploy and	tors				
	A2900	Installation of Floating Cloration Ferce (Marine Barrier)	3	13 May 19	15May 19	0	†i		····· †	····†			- i i	stalator	dFloatingCo	nstruction	Ferce(Ma	rineBarrie	d)				
	Contraction Joint 9-10 (Schedule A)	17	16 May 19	11-Jun-19	0	1			1			-	11	Jun-19, Cont	action Jór	19-10(Sd	adule A)		1 1			
	A2310	hstell/Rekcatebarge-Joint9-10	1	16 May 19	16May-19	0							11	atal/Re	bo atebarge-	Jon9-10)						
	A2320	Remove sedimentandinistal bot on plates (core d ill 2' dia X18" deep) - Joint 9-10	2	17-May-19	20May-19	0								Remove	socimentand	installbot	ton plates (coredril 2	dia.X18"	deep) - Joint 9	10		
	A2330	Concrete Suiface Preparation (pressure wash contraction) on tswath) - Joint 9-10	1	21-May-19	21May-19	0	1						1	Concret	SurfacePrep	paration(p	ressurewa	shcontac	lonjortsv	with - Joint 9-	10		
	A2340	Concrete Repair s as readed- Joint 9-10	2	22-May-19	23May-19	0	11		···· †	····÷			1	Concre	e Repársas	neadad- J	bint9-10						
	A2350	Layout and install sponger ubber entirell english from a diorulo int 910	2	24 May 19	28May 19	0	1			1				Layout	and instal spo	arger ubba	r enirelen	ghabanta	ction. loirt	9.10			
	A2980	Dri landinstali fi angleancho pi ales - Joint 9-10	8	29 May 19	07Jun 19	0								Dri	and Install T	angleand	hoplates-	Joint 9-10					
	A2370	As hilarvey - Jört9-10	1	10-Jun-19	10Jun 19	0								I As	buitsurvey-	Jart 9-10							
	A2380	Government acceptance - Joint 910	0	11 Jun-19	11-Jun-19	0	1 1							I G	verm et acc	etime	Jont 910			1			
	Contraction Joint 12-13	(Schedule B)	17	11 Jun-19	03Jul-19	0	i		···· †	····†		· · · · · · · · · · · · · · · · · · ·		-	03 Jul-19,	Contradio	on Jort 12-	13(Schedu	ieB)		···· •	···· ; ··	
	A2630	hstell/Rekcatebarge-Joint12-13	1	11 Jun-19	11-Jun-19	0				1				h	al/Recate	barge-Jo	int12-13			1 1			
	A2640	Remove sedimentandinstal botom plates (core drill Z dia X18" deep) - Joint 1213	2	12-Jun-19	13Jun 19	0								R	movestime	entandins	talbotom	piates (core	dill 2 da	X16" dap)-	Jont121	3	
	A2650	Concrete Surface Preparation (prezsure wash contraction) ontswath) - Joint 12:13	1	14 Jun-19	14Jun 19	0								10	norde Surfax	œPiepara	ai m(press	urewasho	ontraction	jointswath) - J	kint 12,13		
	A2680	Concrete Repair s as releded Joint 1213	2	17-Jun-19	18Jun 19	0	1 1								oncrete Rep	ersasne	adad- Joint	12-13					
	A2670	Layout and Install sponger ubber entirell ength of bonit action joint - Joint 12-13	2	19 Jun-19	20Jun 19	0	11		···· †	····†				÷ 1	ayout and inst	tal sponge	er dibber ert	irelegho	cortracio	njant-Jant t	è13	· · · · ·	
	A2680	Dri landinstali 1" angle anchor plates - Joint 12-13	8	21-Jun-19	02Jul-19	0	1								DrillandIn	stal T and	tearthorp	ates - Jort	12-13				
	A2690	Ashitarvey-Jört 12:13	1	03-Jul-19	03Jul-19	0									As-hitsu	rveý-Jbir	nt 12-13						
	A2700	Governmentacceptance-Joint 12-13	0		03Jul-19	0	1								Governme	entacopt	ance-Joint	12-13					
	Contraction Joint 13-14	(Schedule B)	17	05 Jul-19	30Jul-19	0									30	JU-19,C	orizationJ	cint 13-14 (Schedulef	3)			
	A2710	hstall/Relaxatebarge- Joint13-14	1	05-Jul-19	05Jul-19	0			Î	···· ?		1	1	1	hstal/Re	stoc atte ber	ge-Jonti	3-14			···· :	· · · ·	1
	A2720	Remove sedimentandinstal botom plates (core drill 2'dia X18" deep) - Joint 1314	2	08-Jul-19	09Jul-19	0	1								Remove	saimert	ardirstall	potom piete	s(coredri	12"da X 18" (iterp) - Joi	nt 13-14	
	A2730	Concrete Surface Preparation (pressure wash contracion) ontswath) - Joint 13/14	1	10-Jul-19	10Jul-19	0	1								Concret	e Surface l	Preparatio	(pressure	washconf	ractonjortsv	ath) - Joi	113-14	
	A2740	Concrete Repair s as readed- Joint 1314	2	11Jd-19	15Jul-19	0	1								Concre	deRepán	s a neede	d-Jant 13	14				
	A2750	Layout and install sponger ubber entirell orgh of contraction joint - Joint 13-14	2	16 Jul-19	17Jul-19	0	1								Lajout	tandihstal	spongeru	bber entirel	enghabo	nt ationjoint-	Joint13-1	4	
	A2760	Dri landinstali 1" angleanchor plates - Joint 13-14	8	18-Jul-19	29Jul-19	0			1	···· î			1		📕 Dri	illandInsta	il l'anglea	ndror plate	s - Joint 13	- 14		1	
	A2770	Ashilarvey-Jirit 13 14	1	30-Jul-19	30Jul-19	0	1								As	hilany	ey-Járt 1	3-14					
	A2780	Government acceptance - Joint 13-14	0		30Jul-19	0	1								e Go	verimen	acquac	e-Jort 13	14				
	Contraction Joint 14-15	(Schedule B)	17	31-Jul-19	22Aug- 19	0				1			1		-	22 Au	g- 19, Conti	action Joint	14-15(Sd	hedde B)			
	A2790	hstall/Rekcatebarge- Joint14-15	1	31-Jul-19	31Jul-19	0									[hs	tal/Refec	aebage-	Joint14-15	i .				
	A2900	Remove sadimentandinstal botom plates (corred ill 2'dia X18" dap) - Joint 1415	2	01-Aug-19	02Aug- 19	0	[]]		1	1	1	1	1	1	R	emove sa	dimentand	instal looto	m plates (r	predill 2 da	X18" dag	o)- Jaint	1415
	A2810	Concrete Suiface Preparation (pressure wash contraction j ontswath) - Joint 1415	1	05 Aug 19	05Aug-19	0									10	ConcreteS	uraœPie	paration(pr	esuewe	shontacion	jortsvat	h)- Joint	14-15
	A2620	Concrete Repairs as releded Joint 1415	2	06-Aug-19	07Aug-19	0	1									Concretel	Repársas	needed-Jo	int 14-15				
	A2630	Layout and hetail sponger ubber entirell orgh of contraction Joint 14-15	2	08-Aug-19	09Aug-19	0	1			1						Layoutan	diretal spo	ngerubber	artirelang	holcontractio	n Joint 14-	15	
	A2840	Dri landinstali 1 ^e anĝeanthor plates - Joint 14-15	8	12-Aug-19	21Aug-19	0	1									Drillar	ndinstall T	angleancho	rphis-J	lort 14-15			
	A2850	As hitarvey - Jirt 14 15	1	22-Aug-19	22Aug- 19	0	[1	1	1		1	1		As-bi	itsrvey-	bint 14-15	-		1	1	1
	A2980	Government acceptance - Joint 14-15	0		22Aug- 19	0										+ Gover	mentaco	eptence - Jo	int 14-15				
	Contraction Joint 15-16	(Schedule B)	17	23 Aug- 19	17Sep-19	0										++++	17-Sep 1	Contractio	n Joint 15	16 Schulub	B)		
	A2870	hstall/Rekcatebarge- Joint15-16	1	23 Aug 19	23Aug-19	0							1	1		hstall	/Relacated	arge-Jón	15-16				1
	A2680	Remove sadimentandinstal botom plates (corred ill 2'dia, X18" dasp) - Joint 1516	2	26 Aug: 19	27Aug- 19	0										Ren	oesalm	entandirst	Ibotomp	lates (core di	12'da X'	(8° diep	- Jont1516
	A2990	Concrete Suifa de Preparation (pressure wash contraction jóritswath) - Joint 1516	1	28-Aug-19	28Aug- 19	0	[1	1	1		1]	[] [Con	crete Surfa	te Preparat	ion(press	rewashconi	raction/or	tsweth)	- Joint 15-16
	A2900	Concrete Repairs as needed- Joint 1 5 16	2	29 Aug: 19	30Aug- 19	0								1		Con	crete Repa	ir sænded	ed-Jeint1	516			
	A2910	Layout and hetall sponger ubber entirel orgho bontration Joint 15 16	2	03-Sep 19	04Sep-19	0										بها ا	youtandhe	tel sponger	ubber on	irelenghata	nt action.J	oint 15-1	6
	A2920	Drillandinatali 1" angle anchor plates - Joint 15-16	8	05-Sep 19	16Sep-19	0	1						1				Drillandh	stall Tand	eand for p	lates - Joint 15	16		
	A2930	As hitarvey-Jirt 15 18	1	17-Sep 19	17Sep-19	0										1	As-builtau	rvey- Ján	15-16				
	A2940	Government acceptance - Joint 15 16	0		17Sep-19	0				1			1]		٠	Covernm	ertaccepta	ce-Jort	15-16		1	1

cívit/ID		AdivityName	Or	riginal	Sert	Firish	Total Float										- 20	19					1	2020
1			Du	raion				Sep	Ođ	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jd	Aug	Sep	Od	Nov De	c Jan Feb Mar	Apr May Jun
	Contraction Joint 16-17	(Schedule B)		17	18-Sep 19	10Oct19	0									-					10	Oct-19, Contr	action Joint 16 17 (Schedul	eB)
	A2950	hstall/Relocatebarge- Joint/6-7		1	18 Sep 19	18Sec-19	0						1							1.1	hstall/Re	acaebarge-	Jontie-7	
	A2980	Remove sedimentandinstal botom plates (correctill 2'dia X18" dae) - Joint16-17		2	19 Sep 19	20500-19	0													1	Remove	endimentand	ins all bottom dates (correct	hill 2"dia X 18" daes)- Jair
	A2970	Concrete Sufare Propagation (measurewash contraction) in the weath- Joint 18-17		1	23.900-19	23500-19	0			:	÷	1	÷						÷	1	Concre	e Suface Prer	antion (pressure was how	nt actinition taxath-Joir
	A2990	Concrete Brosine remained, bio16, 17		2	24.900.19	2590-19	0			÷	÷	<u>-</u>	÷		·····				÷		Concre	te Repairs au	needed Joint 16-17	
	A2000	Land artificial exercise the set of an article size to the laid 18.17		5	26 Sup 10	27500-10	ő														Land	and lot all one	oper up ber cofre lanth of:	out ation loint B-17
	42000	Deliverileteti Caste anter alter i tet 9.17		<u>-</u>	20 apr 19	21/342-10							÷						1	1	Dri	Included To	nde arber okter, kint K	8.17
	1000	Unianoneal i angeattorpade-Jontio-17		0	30 ap 19	090619	0															teritori techni i a	ngearno pare-aon e	"'
	A3010	As data vey Jon 16-17		1	10-061-19	1000019	0						1						1	1	~	in a vey a	ontrony Later 17	1 1 1
	A3020	Governmentacceptance-Joint 16-17		0		1006119	0			<u>.</u>	ļ	Ļ							ļ	. .	GO	/ermercade	perce Jon 10 17	
	Contraction Joint 17-18	(Schedule A)		18	11-Od-19	08Nov19	0															06 Nov-1	19 Contraction Joint 17-18((Schedule A)
	A2470	hstall/Relocatebarge- Joint17-18		1	11-Od-19	11-Oct-19	0													1	l hs	al/Recateb	sarge-Joint17-18	
	A2480	Remove sedimentandinstal botom plates (core dill 2" dia X18" deep) - Joint 17-18		2	15-Oct-19	16Oct19	0														R	emovesadim	entandinstallbotom plates	(coredrill2"dia.X18"da
	A2490	Concrete Surface Preparation (pressure wash contraction) or tswath) - Joint 17-18		2	17-Oct-19	18Oct19	0			:	÷ .	1	÷	: :					:	1	C	ancreeSufa	cePreparation(pressurev	vashcont action joint swatt
	A2500	ConcreteRepairs as needed-Joint 1718		2	21-Oct-19	22Oct19	0														11	ConcreteRep	air s as needed- Joint 17-1	8
	A2510	Layout and histall sponger ubber entirell engino loontraction. Joint 17-18		2	23-Oct-19	24Oct19	0			1	1		1		1	1			1	1	1	Layoutandhe	tal sporgerubbir entrele	nghocontraction.Joint 17-
	A2520	Drilland Install 1" angle andhor pl ates - Joint 17-18		8	28-Oct-19	06Nov19	0														- i 🕴	Drillandlr	stal T argleanchorplates	- Joint 17-18
	A2530	As builtary ey-Joint 17-18		1	07-Nov-19	07Nov19	0															Astuits	rvey-Joint 17-18	
	A2540	Government acceptance - Joint 17-18		0	08-Nov-19	08Nov19	0															Goterm	entaceptarce-Joint 17-1	8
	Contraction Joint 18-19	(Schedule A)		17	08-Nov-19	05Dec19	0															0'	5 Dec 19 Contraction Join	t18-19(ScheduleA)
	A2550	hstell/Rekcatebarge-Joint18-9		1	08 Nov-19	08Nov19	0				÷		÷		·····				•			I hstil/R	aratebarge-Joint 8-19	· · · · · · · · · · · · · · · · · · ·
	A2580	Remove serimentandinski boten oktes (core dill 2 dia X18° dwe) biri 18-19		2	12-Nov-19	13Nov19	0						1									Remov	eseriment and installent or	nolabs (cared ill? 🗇 🛛
	A2570	Concrete Sufare Denastion/messurewashcrattaning intervention, bird 18:10		1	14-Nov-19	14Nov10	0						1									Correct	In Surface Percention / or a	Renewahrenterie
	A2690	Concrete Strate Pepalation (press dewateron as binjonswarty) sone no re-		-	19 Nov 19	1910919	0															Concre	e qui a ceriepa ai ori (pre	sadewaancon asionjo
	A200	Concrete repairs as needed- part 16 19		4	10 NOV 19	1000919	0						1							1	1 1	Concr	derepars as needed- Jo	In the let
	A290	Lajourandinaal spolger ubbrienter orginolicontrationuoni, te-19		2	19 NOV 19	20100/19	U					ļ				4			ļ			cayou	tarpinsai spongercoder e	entrelengeloicontraction.
	A2800	Drilandinstall T angleanchorplates - Jort 18-19		8	21-Nov-19	04Dec19	0																rillandinstali T angleanch	oriol ates - Joint 18-19
	A2610	As builtarvey - Joint 18 19		1	05-Dec-19	05Dec19	0														1 1		s-builtsurvey - Joint 18-19	
	A2620	Governmentacceptance-Joint 18:19		0		05Dec19	0															+ G	overment acceptance - Jo	aint 18-19
	Contraction Joint 19-20	(Schedule B)		17	06 Dec 19	02Jan-20	0						1						1	1	1 1	-	02Jan 20, Contracti	or Joint 19 20 (Schedule B
	A3030	hstall/Rekcatebarge-Joint19-20		1	06-Dec-19	06Dec19	0															l b	stal/Relocatebarge-Join	rf 9-20
	A3040	Remove sedimentandinstal botom plates (core dill 2"dia X18" deep) - Joint19-20		2	09-Dec-19	10Dec19	0			1	1	1	1		1	1			1	1		11	Rem ove sedim entandins t	illioton pates (core di ll
	A3050	Concrete Surface Preparation (pressure wash contraction) or its wath)- Joint 19-20		1	11-D eo 19	11-Dec-19	0												1	1	1 1	17	Concrete Surface Peep and	ion(pressure wash contra
	A3060	Concrete Repairs as needed- Joint 19-20		2	12 Dec 19	16Dec19	0																ConcreteRepairs es nee	ded-Joint19-20
	A3070	Layout and histall sponger ubber entirell english formation Joint 19-20		2	17-Dec-19	18Dec19	0					i	÷			-				1	1 1	6 i 🖬	Layout and Install sponge	rubber entre length of cont
	A3080	Dri landinstall 1" an die archor plates- Joint 19-20		8	19 Dec 19	31Dec19	0			1									1	1	1 1	÷ . ,	Drillard Install Tand	leanchor plates Joint 19-2
	A3090	As builtaury ev Joint 19:20		1	02.Jan-20	02Jan 20	0				******	÷	+		·····								Ashitarye-Jon	19-20
	A3100	Government and anterna Juliot 19-20		0		02.lap.20	0						÷ .							1	1 1	i i	 Governmentarcente 	me Jon 19-20
	Contraction Joint 20-21	(Scharth (a R)		15	03. bp.20	27.lan.20	0																-27. Jan 20. C	articular bio(20.21/Sth
	A3110	hetell/Referations. kin00-2		1	03. hm 20	03.120.20	0			:			1	: :					1	1	1 1	i i	betal /Delevatabase	w- kin/20-21
	A310	Person reference of the term of the form of the V192 days and 10001		-	03-341-20	0304120	0														1 1		- reserved are org	ger Johnzariz I
	A3120	Remove seamentandrisal botom pases (core dni 2 da X is deep) - Jont 2021		4	us Jan 20	07,041,20	0					÷	÷		·····								Removestoment	and installipotom pates (d
	ASIG	Concrete surace Preparation (pressurewash contraction) ontswath) - Joint 2021		1	US-res_etc	USJan 20	U				1	1	1						1	1			ConcreteSurfaceF	noparan on (pressure was
	A3140	Concrete Repair s as needed- Joint 2021		2	09 Jan 20	13Jan 20	0																ConcreteRepairs	sasneeded-Joint20-21
	A3150	Layout and install sponger ubber entirel engino iconit action. Joint 20.21		2	14-Jan-20	15Jan 20	0				÷		÷							÷ .		1 I I	Layoutand Instal	spongerubber entire lengt
	A3160	Dri landinstali 17 angle anchor plates - Joint 20-21		6	16 Jan 20	24Jan 20	0												1				Drilandinstal	I Tangle and or places Joi
	A3170	As builtarvey-Joint 20:21		1	27-Jan-20	27Jan 20	0			<u>.</u>	<u>.</u>	<u>.</u>							i				As-bitarve	y Joint 20:21
	A3180	Governmentacceptance-Joint20-21		0		27Jan 20	0						1										 Government 	acceptance-Joint 20-21
	Contraction Joint 6-7 (S	ichedule A)		14	28-Jan-20	19Feb-20	0																19 Feb	-20, Contraction Joint 6-7 (
	A2390	hstall/Relocatebarge- Joint6-7		1	28 Jan 20	28Jan-20	0			:			÷ .	: 1					:	1			Install/Relas	atebarge-Joint6-7
	A2400	Remove aufmentandinstal loot on plates (core dill 2" dia X18" deep) - Joint 6-7		2	29.Jan-20	30Jan 20	0			1													Renovese	fmert ard install botom pk
	A2410	Concrete Surface Preparation (pressure wash contraction) ontswath) - Joint 6-7		2	31-Jan-20	03Feb-20	0			1	1		1						1	1			ConcreteS	urface Preparation (press.
	A2420	Concrete Repairs as needed- Joint 6-7		1	04 Feb 20	04Feb-20	0			1	1	1	1		·····				1	1		(****)	Concrete	e parsas needed-Joint6
	A2430	Layutardhetal sponger ubler entirel entholicont action. Joint 67		1	05 Feb 20	05Feb-20	0									-							Lavatard	Install sponger ubbar entire
	A2440	Drilandinsail E ambanchorolates - Jort 6-7		6	06 Feb 20	14Feb-20	0			:	1		1		1				:	1			Delberd	Intal T ambandson a
	A2450	Ashilaryay-hit6-7		1	18 Feb 20	18Eeb-20	0																As. 1-23	Style
	40100	Countries and an antiamentation of the second		0	10 Eab 20	105-0.20	0						1										10-CUI	and an and a
	DemohEnding	Second Constant of		47	10 Eab 20	05400.00	0			÷	÷	÷	÷	· · · · · · ·	·····				÷			·····		05 Am 20 Dim 11
	Democration	Terrene the second state in the second		47	19160-20	dowpr-zo	0			1			1								1			usvor-zu, uemdai
	UPRA	Transportioargetack to cateria mp		1	1916b 20	19160-20	U																Transp	onteinge blocktobolitram
	A3200	Remove exupment from bargedeck		4	20 Feb 20	26Feb-20	Ŭ			:	÷		÷	. 1					÷	1		1	Rem	overappment from barge
	A3210	Remove expipm extandbarges from reservoir		1	27-Feb 20	27Feb-20	0			1			1								1	: 1	Rem	oveeuipmentandbarges
	A3220	Stedenp		1	28 Feb 20	28Feb-20	0			<u>.</u>	<u>.</u>	<u>.</u>	<u>.</u>						<u>.</u>				Sied	ckanup
	A3290	RSN 015500-1 Vehicul a Access and Raking- Past Constructor Video		6	02-Mar-20	09Ma-20	0									1							📕 R	SN 01 5500-1 VehicularA
	A3300	BOR Review of RSN015500-1 Vehicular Access and Parking-ResiC onstruction Video		27	10-Mar-20	05Apr-20	0			1	1	1	1						1		1			EOR Review of RS

8- Calendars

There are two calendars assigned to the project as follows:

1. 7 Days Calendar

This calendar doesn't include any holidays, and it is assigned to all project milestones and Government submittal review activities.

2. <u>5 Days Calendar "Pueblo Reservoir"</u>

This calendar has 8 working hours/day (from 8:00 to 17:00) including 1-hour break. The pueblo reservoir calendar takes into consideration the federal holidays, and includes some accommodation for rain delays.

The following Figure represents number of days blocked in the Pueblo Reservoir calendar in each month. The full backup of the weather delays forecast is attached to this report in Appendix- 1.

Month	Year	Number of Days in which Precipitation exceeded 0.5 Inch or Snow exceeded 1.0 Inch	average number of days
	2018	0	
January	2017	1	1
	2016	1	
	2018	4	
February	2017	0	2
	2016	3	
	2018	0	
March	2017	1	1
	2016	2	
	2018	0	
April	2017	4	2
	2016	3	
	2018	0	
May	2017	1	1
	2016	1	
	2018	0	
June	2017	1	0
	2016	0	
	2018	1	
July	2017	1	1
	2016	1	
	2018	1	
August	2017	0	0
	2016	0	
	2018	0	
September	2017	1	0
	2016	0	
	2018	3	
October	2017	0	1
	2016	0	
	2017	1	
November	2016	0	1
	2015	1	
	2017	0	
December	2016	0	1
	2015	2	<u> </u>

total = 11 days

9- Tabular listings of resources and resource limitations

There are 5 different types of resources loaded to the baseline schedule as follows:

- 1. Cost
- 2. Dive Supervisor
- 3. Dive Team
- 4. Procurement Team
- 5. L&C Field Staff

The following table represents the resources and resource limitations used to produce the baseline schedule.

NO.	Resource ID	Resource Name	Number of Crews	Crew Size
1	RE-1	Dive Supervisor	1	1-Supervisor
2	RE-2	Dive Team	1	6 - Men
3	RE- 3	Procurement Team	1	4 - Men
4	RE-4	L&C Field Staff	1	3 - Men

Figure 6: Tabular listings of resources

Cost Usage Profile

The following histogram represents the monthly cash flow and S-Curve for the project.



Dive supervisor Resource Usage Profile

The following resource histogram represents the Dive supervisor resource.



Dive team (6 - Men) Usage Profile

The following figure represents the resource histogram for 6 - men dive team resource.



Procurement Team (4-Men) Usage Histogram

The following figure represents the resource histogram for 4- Men for procurement resource.

Sep	O±	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jui 2019 Page 1 d	Aug	Sep	Od	Nav TASK f	Dec	Jan	Feb	M a 20	120	Apr	Мау	u.
3000																						
6000																						
9000																						
12000																						
15000																						
					·					•												

L&C Field Staff Usage Histogram

The following figure represents the resource histogram for

				· · · ·				
200								
160								
120								
80								
40								
Sep	Oci Nov Dec	Jan	Feb Mar	Apr May Jun Jui	Aug Sep Oct	Nov Dec	Jan Feb	Mar Apr May ur
Budgeted U	Units	1		2019 Page 1 of	1	TASK filter: All Activities Resource Profile Filter: RE	E-4.LC Field Staff	20100

Appendix -1 (Climate Report for Incorporating Non-Working Days in Project Calendar)

Introduction

The weather data have been obtained from The National Centers for Environmental Information which provides daily observations from automated and human-facilitated weather stations across the United States for measuring the depth of precipitation and snowfall on the ground all year round. We used the available historical data for the past 4 years regarding the weather in Pueblo, Colorado to make our assumptions on how many non-working days will be in the project due to weather conditions.

Procedure of Obtaining the Data

1) Go to <u>Climate Data online search page</u> on National Centers for Environmental Information.

RURR	NOAA	NATIONA ENVIRON NATIONAL OCEA	L CENTERS F IMENTAL INFO	OR DRMAT			And the second s
Home	Climate Information	Data Access	Customer Support	Contact	About	Search	Q
Home > C	limate Data Online > Search				Datasets	Search Tool 📕 Mapping Tool	🗖 Data Tools 🛛 Help
	in the Data	01:	0				

Climate Data Online Search

Start searching here to find past weather and climate data. Search within a date range and select specific type of search. All fields are required.	Search Guide
Select Weather Observation Type/Dataset 🛛	Select Type/Dataset
Daily Summaries •	Records of observations including details such as precipitation, wind, snowfall, and radar data. Read more about the datasets and view data
Select Date Range 🛛	samples.
	Select Date Range
2015-11-01 to 2018-10-31	Defaults to the latest available year for the
Search For @	selected dataset or product but can be set to any date range within the available period of record.
Stations •	Search For
Enter a Search Term @	Stations: Enter name, WBAN, GHCND, FAA, ICAO, NWSLI or COOP identifiers.
Pueblo, Colorado	Locations: Enter name of city, county, state,
	country or other geographic location. ZIP codes and FIPS identifiers are also valid.
SEARCH	

- 2) Select Weather Observation Type as Daily Summaries.
- 3) <u>Select Data range</u> from Nov 2015 to October 2018 to take the previous 3 years as a reference for our future assumptions.
- 4) Search for Pueblo, Colorado
- 5) Make sure that pueblo dam is covered in the region from which the data is provided.
- 6) Proceed with completing of the order and it will be delivered by email.

Record of Climatological Observations (Provided by National Oceanic and Atmospheric Administration)

Record of Climatological Observations These data are quality controlled and may not be identical to the original observations. Generated on 11/07/2018

National Centers for Environmental Information 151 Patton Avenue Asheville, North Carolina 28801

Station: PUEBLO 5.0 S, CO US US1COPU0118

Station: Pl	JEBLO 5.0	<u>s, co us l</u>	JS1COPU011	18								Observa	ation Time Te	emperature: l	Jakaowa Obs	servation Tim	e Precipitatio	in: Unknown
			Te	mperature (i	F)			Precipitation	1		Evapo	ration			Soil Temp	erature (F)		
			24 Hrs. E Observa	inding at tion Time	At O	24 Ho	ur Amou Observal	ints Ending tion Time	at	AtObs. Time				4 in. Depth			8 in. Depth	
Y e a r	M o n t h	D a y	Max.	Min.	D Ser V a t i O N	Rain, Melted Snow, Etc. (in)	F I a g	Snow, Ice Pellets, Hail (in)	F I a g	Snow, Ice Pellets, Hail, Ice on Ground (in)	24 Hour Wind Movement (mi)	Amountof Evap. (in)	Ground Cover (see ')	Max.	Min.	Ground Cover (see ")	Max.	Min.
2015	11	01				0.00		0.0										
2015	11	02				0.00		0.0										
2015	11	03				0.00		0.0										
2015	11	04				0.00		0.0										
2015	11	05				0.00		0.0										
2015	11	06				0.00		0.0										
2015	11	07				0.00		0.0										
2015	11	08				0.00		0.0										
2015	11	09				0.00		0.0										
2015	11	10				0.00		0.0										
2015	11	11				0.00		0.0										
2015	11	12				0.00		0.0										
2015	11	13				0.00		0.0										
2015	11	14				0.00		0.0										
2015	11	15				0.00		0.0										
2015	11	16				0.00		0.0										
2015	11	17				0.08												
2015	11	18				0.00		0.0										
2015	11	19				0.00		0.0										
2015	11	20				0.00		0.0										
2015	11	21				Т		Т										
2015	11	22				0.00		0.0										
2015	11	23				0.00		0.0										
2015	11	24				0.00		0.0										
2015	11	25				0.00		0.0										
2015	11	26				0.01		Т										
2015	11	27				0.41		4.0		4.0								
2015	11	28				Т		Т		3.5								
2015	11	29				Т		Т		3.0								
2015	11	30				0.04		0.6		2.0								
		Summary				0.54		4.6										

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 6=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

's' This data value failed one of NCDC's quality control tests.

'T' values in the Precipitation or Snow category above indicate a 'trace' value was recorded.

'A' values in the Precipitation Flag or the Snow Flag column indicate a multiday total, accumulated since last measurement, is being used.

Record of Climatological Observations These data are quality controlled and may not be identical to the original observations. Generated on 11/07/2018

National Centers for Environmental Information 151 Patton Avenue Asheville, North Carolina 28801

Station: PUEBLO 5.0 S, CO US US1COPU0118

Station: Pl	JEBLO 5.0	S, CO US U	S1COPU011	18								Observa	ation Time Te	emperature: l	Jakaowa Ob	ærvation Tim	e Precipitatio	n: Unknown
			Te	mperature (j	7)			Precipitation	1		Evapo	ration			Soil Temp	erature (F)		
			24 Hrs. E Observa	Ending at tion Time	At O	24 Ho	ur Amou Observat	ints Ending : tion Time	at	AtObs. Time				4 in. Depth			8 in.Depth	
Y e a r	M o n t h	D a y	Max.	Min.	b s r v a t i o n	Rain, Melted Snow, Etc. (in)	F I g	Snow, Ice Pellets, Hail (in)	F I a g	Snow, Ice Pellets, Hail, Ice on Ground (in)	24 Hour Wind Movement (mi)	Amount of Evap. (in)	Ground Cover (see ")	Max.	Min.	Ground Cover (see ")	Max.	Min.
2015	12	01				0.00		0.0										
2015	12	02				0.00		0.0										
2015	12	03				0.00		0.0										
2015	12	04				0.00		0.0										
2015	12	05				0.00		0.0										
2015	12	06				0.00		0.0										
2015	12	07				0.00		0.0										
2015	12	08				Т												
2015	12	09				0.00		0.0										
2015	12	10				0.00		0.0										
2015	12	11				0.00		0.0										
2015	12	12				0.00		0.0										
2015	12	13				0.12		1.2		1.2								
2015	12	14				0.00		0.0										
2015	12	15				0.10		1.5		1.5								
2015	12	16				т												
2015	12	17				0.00		0.0										
2015	12	18				0.00		0.0										
2015	12	19				0.00		0.0										
2015	12	20				0.00		0.0										
2015	12	21				т												
2015	12	22				0.00		0.0										
2015	12	23				0.00		0.0										
2015	12	24				0.00		0.0										
2015	12	25				0.00		0.0										
2015	12	26				0.00		0.0										
2015	12	27				0.00		0.0										
2015	12	28				0.00		0.0										
2015	12	29				0.00		0.0										
2015	12	30				0.00		0.0										
2015	12	31				0.00		0.0										
		Summan/				0.22		27			-		-	•				

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 6=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

's' This data value failed one of NCDC's quality control tests.

'T' values in the Precipitation or Snow category above indicate a 'trace' value was recorded.

"A" values in the Precipitation Flag or the Snow Flag column indicate a multiday total, accumulated since last measurement, is being used.

U.S. Depi National (National f	artment of C Dceanic & A Environment	ommerce tmospheric / al Satellite, l	Administratio Data, and Infi	n örmation Sen	vice	TÌ	Recor nese dat	nd of Clim baare quality to the c	natolo control ciginal	gical Obs led and may observations	servations notbeidenti	6 cal			National	Centers for E Ashev	nvironmenta 151 Pa ille, North Ca	I Information atton Avenue arolina 28801
Current L	ocation: Ele	v: 4813 ft. La	at: 38.2253* I	N Lon: -104.6	225° W			Gene	rated or	11/07/2018	-							
Station: P	UEBLO 5.0	<u>S, CO US L</u>		18 moerature (6			Dree inits tion			Evana	Observa ration	ation lime le	emperature: I	Soil Terr	servation Lin	ie Precipitatio	<u>on: Unknown</u>
			24 Hrs 1	An perature (Ending at		24.80	ur Anno	unte Endina	at	AtObs	суаро				Sourcaut			
			Observa	tion Time	Õ	24110	Observa	tion Time	ai	Time	-			4 in. Depth			8 in. Depth	
Y e a r	M o n t h	D a y	Max.	Min.	S e r v a t i o	Rain, Melted Snow, Etc. (in)	F I g	Snow, Ice Pellets, Hail (in)	F I a g	Snovu, Ice Pellets, Hail, Ice on Ground (in)	24 Hour Wind Movement (mi)	Amountof Evap.(in)	Ground Cover (see ")	Max.	Min.	Ground Cover (see ")	Max.	Min.
201.6	01	01			n	0.00		0.0										
2016	01	02				0.00		0.0										
2016	01	03				0.00		0.0										
2016	01	04				0.00		0.0										
2016	01	05				0.00		0.0										
2016	01	06				0.00		0.0										<u> </u>
2016	01	07				т												<u> </u>
2016	01	08				0.10												
2016	01	09				0.41		6.4		6.4								
2016	01	10				0.00		0.0										
2016	01	11				0.00		0.0										
2016	01	12				0.00		0.0										
2016	01	13				0.00		0.0										
2016	01	14				0.00		0.0										
2016	01	15				0.00		0.0										
2016	01	16				0.00		0.0										
2016	01	17				0.00		0.0										
2016	01	18				0.00		0.0										
2016	01	19				0.00		0.0										
2016	01	20				0.00		0.0										
2016	01	21				0.00		0.0										
2016	01	22				0.00		0.0										
2016	01	23				0.00		0.0										
2016	01	24				0.00		0.0										
2016	01	25				0.00		0.0										
2016	01	26				0.01		Т		Т								<u> </u>
2016	01	27				0.00		0.0										<u> </u>
2016	01	28				0.00		0.0										<u> </u>
2016	01	29				0.00		0.0										
2016	01	30				0.00		0.0										<u> </u>
2016	101	31				0.03		T		T								<u> </u>
1		Summary	1	1	1	0.55		6.4										

Empty, or blank, cells indicate that a data observation was not reported. *Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 6=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

's' This data value failed one of NCDC's quality control tests.

 $^{\prime}\text{T}^{\prime}$ values in the Precipitation or Snow category above indicate a $^{\prime}\text{trace}^{\prime}$ value was recorded.

"A" values in the Precipitation Flag or the Snow Flag column indicate a multiday total, accumulated since last measurement, is being used.

U.S. Depa National (National B Current L	artment of C Dceanic & A Environment ocation: Elev	ommerce tmospheric ; al Satellite, v: 4813 ft. Li	Administratio Data, and Inf at: 38,2253° I	n ormation Ser N Lon: -104.6	vice 3225° W	Tİ	Recol hese da	nd of Clim taarequality tothec	natolo contro original	gical Obs lied and may observations	servations not be identi	S cal			National	Centers for E Ashev	Environmenta 151 Pa ille, North Ca	il Information atton Avenue irolina 28801
Station: P	UEBLO 5.0	S, CO US I	US1COPU01	18				Cono		111/01/2010		Observa	ation Time T	emperature:	Unknown Ob	servation Tim	ne Precipitati	on: Unknown
			Te	mperature (F)			Precipitation	ı –		Evapo	ration			Soil Temp	erature (F)		
			24 Hrs. I Observa	Ending at tion Time	At	24 Ho	ur Amo Observa	unts Ending ation Time	at	AtObs. Time				4 in. Depth			8 in. Depth	
Y e a r	M o t h	D a y	Max.	Min.	b s r v a t i o	Rain, Melted Snow, Etc. (n)	F I a g	Snow, Ice Pellets, Hail (in)	F I a g	Snow, ice Pellets, Hail, ice on Ground (in)	24 Hour Wind Movement (mi)	Amountof Evap. (in)	Ground Cover (see ")	Max.	Min.	Ground Cover (see ")	Max.	Min.
2016	02	01			- "	0.19		2.5		2.5								
2016	02	02				0.08		1.5		3.0								
2016	02	03				0.00		0.0										
2016	02	04				0.00		0.0										
2016	02	05				0.05		1.0		1.0								
2016	02	06				0.00		0.0										
2016	02	07				0.00		0.0										
2016	02	08				0.00		0.0										
2016	02	09				0.00		0.0										
2016	02	10				0.00		0.0										
2016	02	11				0.00		0.0										
2016	02	12				0.00		0.0										
2016	02	13				0.00		0.0										
2016	02	14				0.00		0.0										
2016	02	15				0.00		0.0										
201.6	02	16				0.00		0.0										
201.6	02	17				0.00		0.0										
2016	02	18				0.00		0.0										
201.6	02	19				0.00		0.0										
2016	02	20				0.00		0.0										
2016	02	21				0.00		0.0										
2016	02	22				0.00		0.0										
2016	02	23				0.00		0.0										
201.6	02	24				0.00		0.0										
201.6	02	25				0.00		0.0										
201.6	02	26				0.00		0.0										
201.6	02	27				0.00		0.0										
201.6	02	28				0.00		0.0										
2016	02	29				0.00		0.0										
		Summary	,			0.32		5.0										

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 6=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

's' This data value failed one of NCDC's quality control tests.

'T' values in the Precipitation or Snow category above indicate a 'trace' value was recorded.

'A' values in the Precipitation Flag or the Snow Flag column indicate a multiday total, accumulated since last measurement, is being used.

U.S. Department of Commerce

National Oceanic & Atmospheric Administration National Environmental Satellite, Data, and Information Service

Record of Climatological Observations These data are quality controlled and may not be identical to the original observations. Generated on 11/07/2018

National Centers for Environmental Information 151 Patton Avenue Asheville, North Carolina 28801

Current Location: Elev: 4813 ft. Lat: 38.2253* N Lon: -104.6225* W

Station: PUEBLO 5.0 S, CO US US1COPU0118

Observation Time Temperature: Unknown Observation Time Precipitation: Unknown

			Te	mperature (F)			Precipitation	l		Evapo	ration			Soil Temp	erature (F)		
			24 Hrs. E Observa	inding at tion Time	At O	24 Ho (ur Amou Observa	unts Ending a tion Time	at	AtObs. Time				4 in. Depth			8 in. Depth	
Y e a r	M O n t h	D a y	Max.	Min.	D S P V a t i O N	Rain, Melted Snow, Etc. (in)	F I a g	Snow, Ice Pellets, Hail (in)	F I a g	Snow, Ice Pellets, Hail, Ice on Ground (in)	24 Hour Wind Movement (mi)	Amountof Evap. (in)	Ground Cover (see ")	Max.	Min.	Ground Cover (see ")	Max.	Min.
2016	03	01				0.00		0.0										
2016	03	02				0.00		0.0										
2016	03	03				0.00		0.0										
2016	03	04				0.00		0.0										
2016	03	05				0.00		0.0										
2016	03	06				0.00		0.0										
2016	03	07				0.00		0.0										
2016	03	08				0.00		0.0										
2016	03	09				0.00		0.0										
2016	03	10				0.00		0.0										
2016	03	11				0.00		0.0										
2016	03	12				0.00		0.0										
2016	03	13				0.00		0.0										
2016	03	14				0.00		0.0										
2016	03	15				0.00		0.0										
2016	03	16				0.00		0.0										
2016	03	17				0.00		0.0										
2016	03	18				0.00		0.0										
2016	03	19				0.09		1.0		1.0								
2016	03	20				0.00		0.0										
2016	03	21				0.00		0.0										
2016	03	22				0.00		0.0										
2016	03	23				0.00		0.0										
2016	03	24				0.06												
2016	03	25				0.00		0.0										
2016	03	26				0.00		0.0										
2016	03	27				0.21		1.2		1.2								
2016	03	28				0.00		0.0										
2016	03	29				0.00		0.0										
2016	03	30				0.00		0.0										
2016	03	31				0.00		0.0										
		Summary				0.36		2.2										

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

's' This data value failed one of NCDC's quality control tests.

'T' values in the Precipitation or Snow category above indicate a 'trace' value was recorded.

'A' values in the Precipitation Flag or the Snow Flag column indicate a multiday total, accumulated since last measurement, is being used.

Record of Climatological Observations These data are quality controlled and may not be identical to the original observations.

National Centers for Environmental Information 151 Patton Avenue Asheville, North Carolina 28801

Generated on 11/07/2018

Station: I	PUEBLO 5.	DS, COUSI	US1COPU01	18				Gene		11/0//2010		Observ	ation Time T	emperature:	<u>Unknown Ob</u>	servation Tim	ne Precipitati	on: Unknown
			Te	emperature (p			Precipitation	n		Evapo	ration			Soil Temp	erature (F)		
			24 Hrs. Observa	Ending at ation Time	At O	24 Ho	our Amo Observa	unts Ending ition Time	at	AtObs. Time				4 in. Depth			8 in. Depth	
Y e a r	M on t h	D a y	Max.	Min.	D s r v a t i o n	Rain, Melted Snow, Etc. (in)	F I a g	Snow, ice Pellets, Hail (in)	F I a g	Snow, Ice Pellets, Hail, Ice on Ground (in)	24 Hour Wind Movement (mi)	Amountof Evap. (in)	Ground Cover (see ")	Max.	Min.	Ground Cover (see ")	Max.	Min.
2016	04	01				0.00		0.0										
2016	04	02				0.00		0.0										
2016	04	03				0.00		0.0										
2016	04	04				0.00		0.0										
2016	04	05				0.00		0.0										
2016	04	06				0.00		0.0										
2016	04	07				0.00		0.0										
2016	04	08				0.00		0.0										
2016	04	09				0.00		0.0										
2016	04	10				0.00		0.0										
2016	04	11				0.64												
2016	04	12				0.00		0.0										
2016	04	13				0.00		0.0										
2016	04	14				0.00		0.0										
2016	04	16				0.00		0.0										
2016	04	16				0.27												
2016	04	17				0.56		Т										
2016	04	18				0.00		0.0										
2016	04	19				0.21												
2016	04	20				0.00		0.0										
2016	04	21				T												
2016	04	22				0.00		0.0										
2016	04	23				0.00		0.0										
2016	04	24				0.00		0.0										
2016	04	25				0.00		0.0										
2016	04	26				0.00		0.0										
2016	04	27				0.00		0.0										
2016	04	28				0.00		0.0		-								
2016	04	29				0.45												
2016	104	30				0.64		1.0		1.0								
1		Summan	4	1	1	12 77	1	11.0	1	1								

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 6=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

's' This data value failed one of NCDC's quality control tests.

'T' values in the Precipitation or Snow category above indicate a 'trace' value was recorded.

'A' values in the Precipitation Flag or the Snow Flag column indicate a multiday total, accumulated since last measurement, is being used.

Record of Climatological Observations These data are quality controlled and may not be identical to the original observations. Generated on 11/07/2018

National Centers for Environmental Information 151 Patton Avenue Asheville, North Carolina 28801

Observation Time Temperature: Unknown Observation Time Precipitation: Unknown

Station: PUEBLO 5.0 S, CO US US1COPU0118

			Te	mperature (i	F)			Precipitation			Evapor	ration			Soil Temp	erature (F)		
			24 Hrs. E Observa	Ending at tion Time	At O	24 Ho	ur Amou Observal	ints Ending : tion Time	at	AtObs. Time				4 in. Depth			8 in. Depth	
Y e a r	M o n t h	D a y	Max.	Min.	b s r v a t i o n	Rain, Melled Snow, Etc. (in)	F I a g	Snow, Ice Pellets, Hail (in)	F I a g	Snow, Ice Pellets, Hail, Ice on Ground (in)	24 Hour Wind Movement (mi)	Amount of Evap. (in)	Ground Cover (see ")	Max.	Min.	Ground Cover (see ")	Max.	Min.
2016	05	01				0.00		0.0										
2016	05	02				0.00		0.0										
2016	05	03				0.00		0.0										
2016	05	04				0.00		0.0										
2016	05	05				0.00		0.0										
2016	05	06				0.00		0.0										
2016	05	07				0.00		0.0										
2016	05	08				0.00		0.0										
2016	05	09				0.00		0.0										
2016	05	10				0.00		0.0										
2016	05	11				0.01												
2016	05	12				0.00		0.0										
2016	05	13				0.00		0.0										
2016	05	14				0.00		0.0										
2016	05	15				0.00		0.0										
2016	05	16				0.02												
2016	05	17				0.08												
2016	05	18				0.00		0.0										
2016	05	19				0.00		0.0										
2016	05	20				0.00		0.0										
2016	05	21				0.00		0.0										
2016	05	22				0.00		0.0										
2016	05	23				0.00		0.0										
2016	05	24				0.00		0.0										
2016	05	25				0.00		0.0										
2016	05	26				0.00		0.0										
2016	05	27				0.64												
2016	05	28				0.03												
2016	05	29				0.00		0.0										
2016	05	30				Т												
2016	05	31				0.00		0.0										
		Summarv				0.78		0.0										

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 6=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

's' This data value failed one of NCDC's quality control tests.

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'A' values in the Precipitation Flag or the Snow Flag column indicate a multiday total, accumulated since last measurement, is being used.

U.S. Department of Commerce National Oceanic & Atmospheric Administration National Environmental Satellite, Data, and Information Service

Record of Climatological Observations These data are quality controlled and may not be identical to the original observations.

National Centers for Environmental Information 161 Patton Avenue Asheville, North Carolina 28801

Current Location: Elev: 4813 ft. Lat: 38.2253° N Lon: -104.6225° W

Station: PUEBLO 5.0 S, CO US US1COPU0118

Generated on 11/07/2018

Observ	ation Time	Temperature:	Unknown	Observation 7	Time Preci	pitation: Unknown

			Te	mperature (i	<u>F)</u>			Precipitation			Evapo	ration			Soil Temp	erature (F)		
			24 Hrs. E Observa	Ending at tion Time	At O	24 Ho	ur Amo Observa	unts Ending : tion Time	at	AtObs. Time				4 in. Depth			8 in. Depth	
Y e a r	M on t h	D а У	Max.	Min.	b se r v a t i o n	Rain, Melted Snow, Etc. (in)	F I a g	Snow, Ice Pellets, Hail (in)	F I a g	Snow, Ice Pellets, Hail, Ice on Ground (in)	24 Hour Wind Movement (mi)	Amountof Evap. (in)	Ground Cover (see ")	Max.	Min.	Ground Cover (see ")	Max.	Min.
2016	06	01				0.09												
2016	06	02				0.00		0.0										
2016	06	03				0.00		0.0										
2016	06	04				0.00		0.0										
201.6	06	05				0.00		0.0										
2016	06	06				0.00		0.0										
2016	06	07				0.00		0.0										
2016	06	08				т												
2016	06	09				0.00		0.0										
2016	06	10				0.00		0.0										
2016	06	11				0.00		0.0										
2016	06	12				0.00		0.0										
2016	06	13				0.00		0.0										
2016	06	14				0.18												
2016	06	15				0.00		0.0										
2016	06	16				0.00		0.0										
2016	06	17				0.00		0.0										
2016	06	18				0.00		0.0										
2016	06	19				0.00		0.0										
2016	06	20				0.00		0.0										
2016	06	21				0.00		0.0										
2016	06	22				0.00		0.0										
2016	06	23				0.00		0.0										
2016	06	24				0.00		0.0										
2016	06	25				0.03												
2016	06	26				0.00		0.0										
2016	06	27				0.00		0.0										
2016	06	28				0.00		0.0										
2016	06	29				0.00		0.0										
2016	06	30				Т												
		Summary				0.30		0.0										

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

's' This data value failed one of NCDC's quality control tests.

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'A' values in the Precipitation Flag or the Snow Flag column indicate a multiday total, accumulated since last measurement, is being used.

Record of Climatological Observations These data are quality controlled and may not be identical to the original observations. Generated on 11/07/2018

National Centers for Environmental Information 151 Patton Avenue Asheville, North Carolina 28801

Observation Time Temperature: Unknown Observation Time Precipitation: Unknown

			Te	mperature (F)			Precipitation	1		Evapo	ration			Soil Temp	erature (F)		
			24 Hrs. E Observa	Ending at tion Time	At	24 Ho	ur Amou Observa	unts Ending tion Time	at	AtObs. Time				4 in. Depth			8 in. Depth	
Y e a r	M O n t h	D a y	Max.	Min.	b ser va ti on	Rain, Melted Snow, Etc. (in)	F I g	Snow, Ice Pellets, Hail (in)	F I a g	Snow, Ice Pellets, Hail, Ice on Ground (in)	24 Hour Wind Movement (mi)	Amountof Evap. (in)	Ground Cover (see ")	Max.	Min.	Ground Cover (see ")	Max.	Min.
2016	07	01				0.17												
2016	07	02				0.04												
2016	07	03				0.00		0.0										
2016	07	04				0.00		0.0										
2016	07	05				0.00		0.0										
2016	07	06				0.00		0.0										
201.6	07	07				0.00		0.0										
2016	07	08				1.63												
201.6	07	09				0.11												
2016	07	10				0.00		0.0										
201.6	07	11				0.00		0.0										
2016	07	12				0.00		0.0										
201.6	07	13				0.00		0.0										
2016	07	14				0.00		0.0										
2016	07	15				0.08												
2016	07	16				0.00		0.0										
201.6	07	17				0.00		0.0										
201.6	07	18				0.00		0.0										
2016	07	19				0.00		0.0										
2016	07	20				0.00		0.0										
2016	07	21				0.00		0.0										
2016	07	22				0.00		0.0										
2016	07	23				0.20												
201.6	07	24				0.00		0.0										
2016	07	25				0.00		0.0										
2016	07	26				0.45											ļ'	
2016	07	27				0.00		0.0									ļ'	
2016	07	28				0.00		0.0									ļ'	
2016	07	29				0.00		0.0										
201.6	07	30				0.00		0.0									ļ'	
201.6	07	31				0.00		0.0										
		Summary				2.68		0.0										

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

's' This data value failed one of NCDC's quality control tests.

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'A' values in the Precipitation Flag or the Snow Flag column indicate a multiday total, accumulated since last measurement, is being used.

U.S. Department of Commerce

National Oceanic & Atmospheric Administration National Environmental Satellite, Data, and Information Service

Record of Climatological Observations These data are quality controlled and may not be identical to the original observations.

National Centers for Environmental Information 151 Patton Avenue Asheville, North Carolina 28801

Current Location: Elev: 4813 ft. Lat: 38.2253* N Lon: -104.6225* W Station: PUEBLO 5.0.5, CO US US1COPU0118

Generated on 11/07/2018

Station: P	UEBLO 5.0	S, CO US U	S1COPU01	18								Observa	ation Time Te	emperature: l	Jakaowa Ob	servation Tim	e Precipitatic	n: Unknown
			Te	mperature (F)			Precipitation	1		Evapo	ration			Soil Temp	erature (F)		
			24 Hrs. I Observa	Ending at tion Time	At O	24 Ho	xur Amo Observa	unts Ending tion Time	at	AtObs. Time				4 in. Depth			8 in. Depth	
Y e a r	M on t h	D a y	Max.	Min.	b se r v a t i o n	Rain, Melled Snow, Etc. (in)	F I a g	Snow, Ice Pellets, Hail (in)	F I a g	Snow, Ice Pellets, Hail, Ice on Ground (in)	24 Hour Wind Movement (mi)	Amountof Evap. (in)	Ground Cover (see ")	Max.	Min.	Ground Cover (see ")	Max.	Min.
2016	08	01				0.00		0.0										
2016	08	02				0.00		0.0										
2016	08	03				0.00		0.0										
2016	08	04				0.00		0.0										
2016	08	05				0.00		0.0										
2016	08	06				0.00		0.0										
2016	08	07				0.10												
2016	08	08				0.00		0.0										
2016	08	09				0.00		0.0										
2016	08	10				0.00		0.0										
2016	08	11				0.00		0.0										
2016	08	12				0.00		0.0										
2016	08	13				0.14												
2016	08	14				0.15												
2016	08	15				0.00		0.0										
2016	08	16				0.00		0.0										
2016	08	17				0.03												
2016	08	18				0.00		0.0										
2016	08	19				0.10												
2016	08	20				0.20												
2016	08	21				0.00		0.0										
2016	08	22				0.00		0.0										
2016	08	23				0.00		0.0										
2016	08	24				0.04												
2016	08	25				0.02												
2016	08	26				0.01												
2016	08	27				т												
2016	08	28				0.00		0.0										
2016	08	29				0.40												
2016	08	30				0.00		0.0										
2016	08	31				0.09												
		Summary				1.28		0.0										

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

's' This data value failed one of NCDC's quality control tests.

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Record of Climatological Observations These data are quality controlled and may not be identical to the original observations. Generated on 11/07/2018

National Centers for Environmental Information 151 Patton Avenue Asheville, North Carolina 28801

Observation Time Temperature: Unknown Observation Time Precipitation: Unknown

Station: PUEBLO 5.0 S, CO US US1COPU0118

			Te	mperature (l	7			Precipitation			Evapor	ration			Soil Temp	erature (F)		
			24 Hrs. E Observal	inding at tion Time	At O	24 Ho	ur Amou Observa	unts Ending : tion Time	at	AtObs. Time				4 in. Depth			8 in. Depth	
Y e a r	M o n t h	D a y	Max.	Min.	b se r v a t i o n	Rain, Melted Snow, Etc. (in)	F I a g	Snow, Ice Pellets, Hail (in)	F I a g	Snow, Ice Pellets, Hail, Ice on Ground (in)	24 Hour Wind Movement (mi)	Amount of Evap. (in)	Ground Cover (see ")	Max.	Min.	Ground Cover (see ")	Max.	Min.
2016	09	01				0.00		0.0										
2016	09	02				0.00		0.0										
2016	09	03				0.00		0.0										
2016	09	04				0.00		0.0										
2016	09	05				0.00		0.0										
2016	09	06				0.00		0.0										
2016	09	07				0.00		0.0										
2016	09	08				0.00		0.0										
2016	09	09				0.00		0.0										
2016	09	10				0.00		0.0										
2016	09	11				0.00		0.0										
2016	09	12				0.00		0.0										
2016	09	13				0.00		0.0										
2016	09	14				0.00		0.0										
2016	09	15				0.10												
2016	09	16				0.00		0.0										
2016	09	17				0.00		0.0										
2016	09	18				0.00		0.0										
2016	09	19				0.00		0.0										
2016	09	20				0.00		0.0										
2016	09	21				0.00		0.0										
2016	09	22				0.00		0.0										
2016	09	23				0.00		0.0										
2016	09	24				0.00		0.0										
2016	09	25				0.00		0.0										
2016	09	26				0.00		0.0										
2016	09	27				0.00		0.0										
2016	09	28				0.00		0.0										
2016	09	29				0.00		0.0										
2016	09	30				0.00		0.0										
		Summary				0.10		0.0										

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 6=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

's' This data value failed one of NCDC's quality control tests.

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Record of Climatological Observations These data are quality controlled and may not be identical to the original observations. Generated on 11/07/2018

National Centers for Environmental Information 151 Patton Avenue Asheville, North Carolina 28801

Observation Time Temperature: Unknown Observation Time Precipitation: Unknown

			Tei	mperature (i	F)			Precipitation			Evapo	ration			Soil Temp	erature (F)		
			24 Hrs. E Observat	inding at tion Time	At O	24 Ho	xur Amou Observa	unts Ending : tion Time	at	AtObs. Time				4 in. Depth			8 in. Depth	
Y e a r	M O n t h	D a y	Max.	Min.	b se r v a t i o n	Rain, Melted Snow, Etc. (in)	F I a g	Snow, Ice Pellets, Hail (in)	F I a g	Snow, Ice Pellets, Hail, Ice on Ground (in)	24 Hour Wind Movement (mi)	Amountof Evap. (in)	Ground Cover (see ")	Max.	Min.	Ground Cover (see ")	Max.	Min.
2016	10	01				0.00		0.0										
2016	10	02				0.00		0.0										
2016	10	03				0.00		0.0										
2016	10	04				0.00		0.0										
2016	10	05				0.00		0.0										
2016	10	06				0.00		0.0										
2016	10	07				0.00		0.0										
2016	10	08				0.00		0.0										
2016	10	09				0.00		0.0										
2016	10	10				0.00		0.0										
2016	10	11				0.00		0.0										
2016	10	12				0.00		0.0										
2016	10	13				0.00		0.0										
2016	10	14				0.00		0.0										
2016	10	15				0.00		0.0										
2016	10	16				0.00		0.0										
2016	10	17				0.00		0.0										
2016	10	18				0.00		0.0										
2016	10	19				0.00		0.0										
2016	10	20				0.00		0.0										
2016	10	21				0.00		0.0										
2016	10	22				0.00		0.0										
2016	10	23				0.00		0.0										
2016	10	24				0.00		0.0										
2016	10	25				0.00		0.0										
2016	10	26				0.00		0.0										
2016	10	27				0.00		0.0										
2016	10	28				0.00		0.0										
2016	10	29				0.00		0.0										
2016	10	30				0.00		0.0										
2016	10	31				0.00		0.0										
		Summan				0.00		0.0										

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

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Station: PUEBLO 5.0 S, CO US US1COPU0118

Record of Climatological Observations These data are quality controlled and may not be identical to the original observations. Generated on 11/07/2018

National Centers for Environmental Information 151 Patton Avenue Asheville, North Carolina 28801

Observation Time Temperature: Unknown Observation Time Precipitation: Unknown

			Te	mperature (<u>F)</u>			Precipitation	1		Evapo	ration			Soil Temp	erature (F)		
			24 Hrs. B Observa	Ending at tion Time	At O	24 Ho	our Amou Observa	unts Ending tion Time	at	AtObs. Time				4 in. Depth			8 in. Depth	
Y e a r	M on t h	D a y	Max.	Min.	D S e V a t i O n	Rain, Melted Snow, Etc. (in)	F I g	Snow, Ice Pellets, Hail (in)	F I a g	Snow, Ice Pellets, Hail, Ice on Ground (in)	24 Hour Wind Movement (mi)	Amountof Evap. (in)	Ground Cover (see ")	Max.	Min.	Ground Cover (see ")	Max.	Min.
2016	11	01				0.00		0.0										
2016	11	02				0.00		0.0										
201.6	11	03				0.00		0.0										
2016	11	04				0.00		0.0										
2016	11	05				0.00		0.0										
2016	11	06				0.00		0.0										
2016	11	07				0.00		0.0										
2016	11	08				0.00		0.0										
2016	11	09				0.00		0.0										
2016	11	10				0.00		0.0										
2016	11	11				0.00		0.0										
2016	11	12				0.00		0.0										
2016	11	13				0.00		0.0										
2016	11	14				0.00		0.0										
2016	11	15				0.00		0.0										
2016	11	16				0.00		0.0										
2016	11	17				0.00		0.0										
2016	11	18				0.00		0.0										
2016	11	19				0.00		0.0										
2016	11	20				0.00		0.0										
2016	11	21				0.00		0.0										
2016	11	22				0.38												
2016	11	23				0.29												
2016	11	24				0.00		0.0										
2016	11	25				0.00		0.0										
2016	11	26				0.00		0.0										
2016	11	27				0.00		0.0									L	
2016	11	28				0.00		0.0									L	
2016	11	29				0.00		0.0									ļ'	
2016	11	30				0.00		0.0										
		Summary				0.67		0.0										

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

's' This data value failed one of NCDC's quality control tests.

'T' values in the Precipitation or Snow category above indicate a 'trace' value was recorded.

'A' values in the Precipitation Flag or the Snow Flag column indicate a multiday total, accumulated since last measurement, is being used.

Record of Climatological Observations These data are quality controlled and may not be identical to the original observations.

National Centers for Environmental Information 151 Patton Avenue Asheville, North Carolina 28801

Generated on 11/07/2018 Station: PUEBLO 5.0 S, CO US US1COPU0118 Observation Time Temperature: Unknown Observation Time Precipitation: Unknown Soil Temperature (F) Temperature (F) Precipitation Evaporation 24 Hrs. Ending at Observation Time At 24 Hour Amounts Ending at Observation Time AtObs. 4 in Depth 8 in. Depth О Ь Time M s Y D Ο. е 24 Hour е Snow, Ice Pellets, п а Wind Amount of Movement Evap. (in) а Г Rain, F у Snow, Ice Ground Ground t v Melted Г 1 h Max. Min. Pellets, Hail, Ice Cover Max. Min. Cover Max. Min. а (m) Snow, Etc. а а Hail (in) (see *) (see *) on Ground (in) g g (in) i o n 2016 12 01 0.00 0.0 12 02 0.00 0.0 2016 12 03 0.00 2016 0.0 12 04 2016 0.00 0.0 05 2016 12 0.00 0.0 12 06 0.00 0.0 2016 07 12 т 2016 12 08 0.00 2016 0.0 2016 12 09 0.00 0.0 2016 12 110 0.00 0.0 2016 12 111 0.00 0.0 2016 12 12 0.00 0.0 12 13 0.00 0.0 2016 12 14 0.00 0.0 2016 12 15 0.00 2016 0.0 2016 12 16 0.00 0.0 12 17 2016 12 18 2016 12 19 0.00 2016 0.0 2016 12 20 0.00 0.0 21 0.00 2016 12 0.0 12 22 0.00 2016 0.0 12 23 0.03 2016 0.1 12 24 0.00 2016 0.0 12 25 0.10 2016 12 26 0.00 0.0 2016 12 27 0.00 0.0 2016 2016 12 28 0.00 0.0 2016 12 29 0.00 0.0 2016 12 30 0.00 0.0 12 0.00 2016 31 0.0

Empty, or blank, cells indicate that a data observation was not reported.

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Summary

'T' values in the Precipitation or Snow category above indicate a 'trace' value was recorded.

'A' values in the Precipitation Flag or the Snow Flag column indicate a multiday total, accumulated since last measurement, is being used.

Data value inconsistency may be present due to rounding calculations during the conversion process from SI metric units to standard imperial units.

0.13

0.1

Record of Climatological Observations These data are quality controlled and may not be identical to the original observations. Generated on 11/07/2018

National Centers for Environmental Information 151 Patton Avenue Asheville, North Carolina 28801

Observation Time Temperature: Unknown Observation Time Precipitation: Unknown

			Te	mperature (F)			Precipitation			Evapo	ration			Soil Temp	erature (F)		
			24 Hrs. E Observat	Ending at tion Time	At O	24 Ho	ur Amou Observa	unts Ending : tion Time	at	AtObs. Time				4 in. Depth			8 in. Depth	
Y e a r	M on t h	D a y	Max.	Min.	b se r v a t i o n	Rain, Melted Snow, Etc. (in)	F I a g	Snow, Ice Pellets, Hail (in)	F I a g	Snow, Ice Pellets, Hail, Ice on Ground (in)	24 Hour Wind Movement (mi)	Amountof Evap. (in)	Ground Cover (see ")	Max.	Min.	Ground Cover (see ")	Max.	Min.
2017	01	01				0.00		0.0										
2017	01	02				0.00		0.0										
2017	01	03				0.00		0.0										
2017	01	04				0.00		0.0										
2017	01	05				0.01		0.1		0.1								
2017	01	06				0.39		5.5		5.6								
2017	01	07				0.00		0.0										
2017	01	08				0.00		0.0										
2017	01	09				0.00		0.0										
2017	01	10				0.00		0.0										
2017	01	11				0.00		0.0										
2017	01	12				0.00		0.0										
2017	01	13				0.00		0.0										
2017	01	14				0.00		0.0										
2017	01	15				0.00		0.0										
2017	01	16				0.34		0.7		0.7								
2017	01	17				0.00		0.0										
2017	01	18				0.06												
2017	01	19				0.00		0.0										
2017	01	20				0.00		0.0										
2017	01	21				0.00		0.0										
2017	01	22				0.00		0.0										
2017	01	23				0.00		0.0										
2017	01	24				0.00		0.0										
2017	01	25				0.06		0.5		0.5								
2017	01	26				0.00		0.0										
2017	01	27				0.00		0.0										
2017	01	28				0.00		0.0										
2017	01	29				0.00		0.0										
2017	01	30				0.00		0.0										
2017	01	31				0.00		0.0										
		Summarv				0.86		6.8										

Empty, or blank, cells indicate that a data observation was not reported.

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Record of Climatological Observations These data are quality controlled and may not be identical to the original observations. Generated on 11/07/2018

National Centers for Environmental Information 151 Patton Avenue Asheville, North Carolina 28801

Observation Time Temperature: Unknown Observation Time Precipitation: Unknown

Station: PUEBLO 5.0 S. CO US USICOPU0118

		[Te	mperature (F)			Precipitation	1		Evapo	ration		•	Soil Temp	erature (F)		
			24 Hrs. E Observa	Ending at tion Time	At O	24 Ho	ur Amo Observa	unts Ending tion Time	at	AtObs. Time				4 in. Depth			8 in. Depth	
Y e a r	M o n t h	D a y	Max.	Min.	b s r v a t i o n	Rain, Melted Snow, Etc. (in)	F I a g	Snow, Ice Pellets, Hail (in)	F I a g	Snow, Ice Pellets, Hail, Ice on Ground (in)	24 Hour Wind Movement (mi)	Amountof Evap. (in)	Ground Cover (see ")	Max.	Min.	Ground Cover (see ")	Max.	Min.
2017	02	01				0.00		0.0										
2017	02	02				0.00		0.0										
2017	02	03				Т												
2017	02	04				т												
2017	02	05				0.00		0.0										
2017	02	06				0.00		0.0										
2017	02	07				0.00		0.0										
2017	02	08				0.00		0.0										
2017	02	09				0.00		0.0										
2017	02	10				0.00		0.0										
2017	02	11				0.00		0.0										
2017	02	12				0.00		0.0										
2017	02	13				0.10												
2017	02	14				0.00		0.0										
2017	02	15				0.00		0.0										
2017	02	16				0.00		0.0										
2017	02	17				0.00		0.0										
2017	02	18				0.00		0.0										
2017	02	19				0.00		0.0										
2017	02	20				0.00		0.0										
2017	02	21				0.00		0.0										
2017	02	22				0.00		0.0										
2017	02	23				0.00		0.0										
2017	02	24				0.00		0.0										
2017	02	25				0.00		0.0										
2017	02	26				0.00		0.0										
2017	02	27				0.00		0.0										
2017	02	28				0.00		0.0										
		Summary				0.10		0.0										

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U.S. Department of Commerce National Oceanic & Atmospheric Administration National Environmental Satellite, Data, and Information Service

Record of Climatological Observations These data are quality controlled and may not be identical to the original observations. Generated on 11/07/2018

National Centers for Environmental Information 151 Patton Avenue Asheville, North Carolina 28801

Current Location: Elev: 4813 ft. Lat: 38.2253° N Lon: -104.6225° W Station: **PUEBLO 5.0 S, CO US US1COPU0118**

Station: Pl	UEBLO 5.0	<u>s, co us u</u>	S1COPU011	18								Observa	ation Time Te	emperature: L	Jakaowa Ob	servation Tim	e Precipitatio	n: Unknown
			Te	mperature (l	F)			Precipitation	1		Evapo	ration			Soil Temp	erature (F)		
			24 Hrs. E Observat	Ending at tion Time	At O	24 Ho	ur Amou Observal	unts Ending tion Time	at	AtObs. Time				4 in. Depth			8 in.Depth	
Y e a r	M o n t h	D a y	Max.	Min.	b se rv a t i o n	Rain, Melted Snow, Etc. (in)	F I a g	Snow, Ice Pellets, Hail (in)	F I a g	Snow, Ice Pellets, Hail, Ice on Ground (in)	24 Hour Wind Movement (mi)	Amount of Evap. (in)	Ground Cover (see ")	Max.	Min.	Ground Cover (see ")	Max.	Min.
2017	03	01				0.00		0.0										
2017	03	02				0.00		0.0										
2017	03	03				0.00		0.0										
2017	03	04				0.00		0.0										
2017	03	05				0.00		0.0										
2017	03	06				0.00		0.0										
2017	03	07				0.00		0.0										
2017	03	08				0.00		0.0										
2017	03	09				0.00		0.0										
2017	03	10				0.00		0.0										
2017	03	11				0.00		0.0										
2017	03	12				0.00		0.0										
2017	03	13				0.00		0.0										
2017	03	14				0.00		0.0										
2017	03	15				0.00		0.0										
2017	03	16				0.00		0.0										
2017	03	17				0.00		0.0										
2017	03	18				0.00		0.0										
2017	03	19				0.00		0.0										
2017	03	20				0.00		0.0										
2017	03	21				0.00		0.0										
2017	03	22				0.00		0.0										
2017	03	23				0.00		0.0										
2017	03	24				0.15												
2017	03	25				0.00		0.0										
2017	03	26				т												
2017	03	27				0.00		0.0										
2017	03	28				0.00		0.0										
2017	03	29				0.65												
2017	03	30				0.00		0.0										
2017	03	31				0.00		0.0										
	-	Summarv				0.80		0.0			-	·						

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 6=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

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Record of Climatological Observations These data are quality controlled and may not be identical to the original observations. Generated on 11/07/2018

National Centers for Environmental Information 151 Patton Avenue Asheville, North Carolina 28801

Station: PUEBLO 5.0 S. CO US US1COPU0118

Station: Pl	JEBLO 5.0	S, CO US U	IS1COPU01	18								Observa	ation Time Te	emperature: l	Jakaowa Ob	ærvation Tim	e Precipitatio	n: Unknown
			Te	mperature (l	5)			Precipitation	1		Evapo	ration			Soil Temp	erature (F)		
			24 Hrs. E Observa	Ending at tion Time	At O	24 Ho	ur Amou Observa	unts Ending tion Time	at	AtObs. Time				4 in. Depth			8 in. Depth	
Y e a r	M O n t h	D a y	Max.	Min.	b se rv a t i o n	Rain, Melted Snow, Etc. (in)	F I a g	Snow, Ice Pellets, Hail (in)	F I a g	Snow, Ice Pellets, Hail, Ice on Ground (in)	24 Hour Wind Movement (mi)	Amountof Evap. (in)	Ground Cover (see ")	Max.	Min.	Ground Cover (see ")	Max.	Min.
2017	04	01				0.33		т		Т								
2017	04	02				0.18		0.0										
2017	04	03				0.00		0.0										
2017	04	04				1.08		5.0		5.0								
2017	04	05				0.42				3.0								
2017	04	06				0.00		0.0										
2017	04	07				0.00		0.0										
2017	04	08				0.00		0.0										
2017	04	09				0.00		0.0										
2017	04	10				0.00		0.0										
2017	04	11				0.00		0.0										
2017	04	12				0.00		0.0										
2017	04	13				0.00		0.0										
2017	04	14				0.00		0.0										
2017	04	15				0.00		0.0										
2017	04	16				0.00		0.0										
2017	04	17				0.00		0.0										
2017	04	18				0.00		0.0										
2017	04	19				0.00		0.0										
2017	04	20				0.00		0.0										
2017	04	21				0.46												
2017	04	22				0.16												
2017	04	23				0.00		0.0										
2017	04	24				0.00		0.0										
2017	04	25				0.00		0.0										
2017	04	26				0.54												
2017	04	27				0.00		0.0										
2017	04	28				0.00		0.0										
2017	04	29				1.33		7.5		7.5								
2017	04	30				0.06				3.0								
		Summary				4.56		12.5										

Empty, or blank, cells indicate that a data observation was not reported.

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Record of Climatological Observations These data are quality controlled and may not be identical to the original observations. Generated on 11/07/2018

National Centers for Environmental Information 151 Patton Avenue Asheville, North Carolina 28801

Station: PUEBLO 5.0 S, CO US US1COPU0118

Station: Pl	JEBLO 5.0	s, co us u	S1COPU011	18								Observa	ation Time Te	emperature: l	Jakaowa Ob	servation Tim	e Precipitatio	n: Unknown
			Te	mperature (l	F)			Precipitation	1		Evapo	ration			Soil Temp	erature (F)		
			O US USICOPU0118 Temperature (F) 24 Hrs. Ending at Observation Time Max. Min. Max. Min.		At O	24 Ho	ur Amou Observal	ints Ending tion Time	at	AtObs. Time				4 in. Depth			8 in. Depth	
Y e r	M o n t h	D a y	Max.	Min.	b se rva ti on	Rain, Melted Snow, Etc. (in)	F I a g	Snow, Ice Pellets, Hail (in)	F I a g	Snow, Ice Pellets, Hail, Ice on Ground (in)	24 Hour Wind Movement (mi)	Amount of Evap. (in)	Ground Cover (see ")	Max.	Min.	Ground Cover (see ")	Max.	Min.
2017	05	01				0.00		0.0										
2017	05	02				0.00		0.0										
2017	05	03				0.00		0.0										
2017	05	04				0.00		0.0										
2017	05	05				0.00		0.0										
2017	05	06				0.00		0.0										
2017	05	07				0.00		0.0										
2017	05	08				0.04												
2017	05	09				0.29												
2017	05	10				0.33												
2017	05	11				1.71												
2017	05	12				0.00		0.0										
2017	05	13				0.00		0.0										
2017	05	14				0.00		0.0										
2017	05	15				0.00		0.0										
2017	05	16				0.00		0.0										
2017	05	17				0.06												
2017	05	18				0.00		0.0										
2017	05	19				0.12												
2017	05	20				0.01												
2017	05	21				0.00		0.0										
2017	05	22				0.18												
2017	05	23				0.04												
2017	05	24				0.00		0.0										
2017	05	25				0.00		0.0										
2017	05	26				0.00		0.0										
2017	05	27				0.00		0.0										
2017	05	28				0.11												
2017	05	29				0.00		0.0										
2017	05	30				0.00		0.0										
2017	05	31				0.09												
		Summary				2.98		0.0										

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Record of Climatological Observations These data are quality controlled and may not be identical to the original observations. Generated on 11/07/2018

National Centers for Environmental Information 151 Patton Avenue Asheville, North Carolina 28801

Observation Time Temperature: Unknown Observation Time Precipitation: Unknown

Station: PUEBLO 5.0 S, CO US US1COPU0118

			Ter	mperature (l	F)			Precipitation			Evapo	ration			Soil Temp	erature (F)		
			24 Hrs. E Observat	inding at tion Time	At O	24 Ho	xur Amou Observa	unts Ending : tion Time	at	AtObs. Time				4 in. Depth			8 in. Depth	
Y e a r	M on t h	D a y	Max.	Min.	b servation	Rain, Melted Snow, Etc. (in)	F I a g	Snow, Ice Pellets, Hail (in)	F I a g	Snow, Ice Pellets, Hail, Ice on Ground (in)	24 Hour Wind Movement (mi)	Amount of Evap. (in)	Ground Cover (see ")	Max.	Min.	Ground Cover (see ")	Max.	Min.
2017	06	01				0.00		0.0										
2017	06	02				0.00		0.0										
2017	06	03				0.04												
2017	06	04				0.04												
2017	06	05				0.00		0.0										
2017	06	06				0.00		0.0										
2017	06	07				т												
2017	06	08				0.65												
2017	06	09				0.00		0.0										
2017	06	10				0.00		0.0										
2017	06	11				0.00		0.0										
2017	06	12				0.00		0.0										
2017	06	13				0.00		0.0										
2017	06	14				0.00		0.0										
2017	06	15				0.00		0.0										
2017	06	16				0.00		0.0										
2017	06	17				0.00		0.0										
2017	06	18				0.00		0.0										
2017	06	19				0.00		0.0										
2017	06	20				0.00		0.0										
2017	06	21				0.00		0.0										
2017	06	22				0.00		0.0										
2017	06	23				0.00		0.0										
2017	06	24				0.06												
2017	06	25				0.00		0.0										
2017	06	26				0.13												
2017	06	27				0.13												
2017	06	28				0.00		0.0										
2017	06	29				0.00		0.0										
2017	06	30				0.00		0.0										
		Summary				1.05		0.0										

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

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U.S. Department of Commerce National Oceanic & Atmospheric Administration National Environmental Satellite, Data, and Information Service.

Record of Climatological Observations These data are quality controlled and may not be identical to the original observations. Generated on 11/07/2018

National Centers for Environmental Information 151 Patton Avenue Asheville, North Carolina 28801

Observation Time Temperature: Unknown Observation Time Precipitation: Unknown

Current Location: Elev: 4813 ft. Lat: 38.2253* N Lon: -104.6225* W

Station: PUEBLO 5.0 S, CO US US1COPU0118

Soil Temperature (F) Temperature (F) Precipitation Evaporation 24 Hrs. Ending at 24 Hour Amounts Ending at AtObs. At 4 in. Depth 8 in. Depth Observation Time в Observation Time Time М Y s • D e 24 Hour е Snow Ice п а Wind Amount of г а Rain, Pellets. Snow Ice Ground Ground t У Movement Evap. (in) v г Melted Т 1 h Max. Min. Pellets, Hail, Ice Cover Max. Min. Cover Max. Min. а Snow, Etc. (m) а а Hail (in) on Ground (see *) (see *) t (in) g g (in) o n 2017 07 01 0.00 0.0 2017 07 02 0.00 0.0 2017 07 03 0.00 0.0 2017 07 04 0.00 0.0 2017 07 05 0.00 0.0 2017 07 06 0.00 0.0 2017 07 07 0.00 0.0 2017 07 08 0.00 0.0 2017 07 09 0.00 0.0 2017 07 10 0.00 0.0 2017 07 111 0.00 0.0 2017 07 12 0.00 0.0 2017 07 13 0.03 14 2017 07 0.00 0.0 2017 07 15 0.00 0.0 2017 07 16 0.00 0.0 07 17 2017 0.00 0.0 2017 07 18 0.00 0.0 2017 07 19 0.00 0.0 2017 07 20 0.00 0.0 07 21 2017 0.00 0.0 2017 07 22 0.05 2017 07 23 0.00 0.0 2017 07 24 0.00 0.0 2017 07 25 0.00 0.0 2017 07 26 0.30 07 27 2017 0.25 2017 07 28 0.00 0.0 2017 07 29 0.18 30 2017 07 1.92 2017 07 31 0.08 Summary 2.81 0.0

Empty, or blank, cells indicate that a data observation was not reported.

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Record of Climatological Observations These data are quality controlled and may not be identical to the original observations. Generated on 11/07/2018

National Centers for Environmental Information 151 Patton Avenue Asheville, North Carolina 28801

Station: PUEBLO 5.0 S. CO US US1COPU0118

Station: Pl	UEBLO 5.0	S, CO US U	IS1COPU011	18								Observa	ation Time To	emperature: l	Jakaowa Ob	servation Tim	e Precipitatio	n: Unknown
			Te	mperature (F)			Precipitation	1	_	Evapo	ration			Soil Temp	erature (F)		
			24 Hrs. E Observa	Ending at tion Time	At O	24 Ho	xur Amou Observa	unts Ending tion Time	at	AtObs. Time				4 in. Depth			8 in.Depth	
Y e a r	M o n t h	D a y	Max.	Min.	b se r v a t i o n	Rain, Melled Snow, Etc. (in)	F I a g	Snow, Ice Pellets, Hail (in)	F I a g	Snow, Ice Pellets, Hail, Ice on Ground (in)	24 Hour Wind Movement (mi)	Amountof Evap. (in)	Ground Cover (see ")	Max.	Min.	Ground Cover (see ")	Max.	Min.
2017	08	01				0.00		0.0										
2017	08	02				0.00		0.0										
2017	08	03				0.00		0.0										
2017	08	04				0.00		0.0										
2017	08	05				0.00		0.0										
2017	08	06				т												
2017	08	07				0.10		0.0										
2017	08	08				0.10												
2017	08	09				0.29												
2017	08	10				0.08												
2017	08	11				т												
2017	08	12				т												
2017	08	13				0.00		0.0										
2017	08	14				0.00		0.0										
2017	08	15				0.09												
2017	08	16				0.00		0.0										
2017	08	17				0.00		0.0										
2017	08	18				0.00		0.0										
2017	08	19				0.00		0.0										
2017	08	20				0.00		0.0										
2017	08	21				0.00		0.0										
2017	08	22				0.00		0.0										
2017	08	23				0.00		0.0										
2017	08	24				0.00		0.0										
2017	08	25				0.00		0.0										
2017	08	26				0.00		0.0										
2017	08	27				0.00		0.0										
2017	08	28				0.00		0.0										
2017	08	29				0.00		0.0										
2017	08	30				0.00		0.0										
2017	08	31				0.00		0.0										
		Summarv				0.66		0.0										

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

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Record of Climatological Observations These data are quality controlled and may not be identical to the original observations. Generated on 11/07/2018

National Centers for Environmental Information 151 Patton Avenue Asheville, North Carolina 28801

Observation Time Temperature: Unknown Observation Time Precipitation: Unknown

			Te	mperature (F)			Precipitation	1 <u> </u>		Evapo	ration			Soil Temp	erature (F)		
			24 Hrs. I Observa	Ending at ition Time	At O	24 Ho	our Amo Observa	unts Ending tion Time	at	AtObs. Time			4 in. Depth				8 in. Depth	
Y e a r	M on t h	D a y	Max.	Min.	b serva ti on	Rain, Melted Snow, Etc. (in)	F I a g	Snow, Ice Pellets, Hail (in)	F I a g	Snow, ice Peliets, Hail, ice on Ground (in)	24 Hour Wind Movement (mi)	Amountof Evap. (in)	Ground Cover (see ")	Max.	Min.	Ground Cover (see ")	Max.	Min.
2017	09	01				0.27												
2017	09	02				0.00		0.0										
2017	09	03				0.00		0.0										
2017	09	04				0.00		0.0										
2017	09	05				0.00		0.0										
2017	09	06				0.00		0.0										
2017	09	07				0.00		0.0										
2017	09	08				0.00		0.0										
2017	09	09				0.00		0.0										
2017	09	10				0.00		0.0										
2017	09	11				0.00		0.0										
2017	09	12				0.00		0.0										
2017	09	13				0.00		0.0										
2017	09	14				0.00		0.0										
2017	09	15				0.00		0.0										
2017	09	16				0.00		0.0										
2017	09	17				0.00		0.0										
2017	09	18				0.00		0.0										
2017	09	19				0.00		0.0										
2017	09	20				0.00		0.0										
2017	09	21				0.00		0.0										
2017	09	22				0.00		0.0										
2017	09	23				0.00		0.0										
2017	09	24				0.23												
2017	09	25				0.03												
2017	09	26				Т												
2017	09	27				0.11												
2017	09	28				1.07												
2017	09	29				0.21												
2017	09	30				0.01												
		Summary				1.93		0.0										

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Record of Climatological Observations These data are quality controlled and may not be identical to the original observations. Generated on 11/07/2018

National Centers for Environmental Information 151 Patton Avenue Asheville, North Carolina 28801

Station: PUEBLO 5.0 S. CO US US1COPU0118

Station: Pl	JEBLO 5.0	s, co us u	S1COPU011	18								Observa	ation Time Te	emperature: l	Jakaowa Ob	servation Tim	e Precipitatio	n: Unknown
			Te	mperature (l	-)			Precipitation	1		Evapo	ration			Soil Temp	erature (F)		
			24 Hrs. E Observat	Ending at tion Time	At O	24 Ho	ur Amou Observa	ints Ending : tion Time	at	AtObs. Time				4 in. Depth			8 in. Depth	
Y e a r	M on t h	D a y	Max.	Min.	b s r v a t i o n	Rain, Melted Snow, Etc. (in)	F I a g	Snow, Ice Pellets, Hail (in)	F I a g	Snow, Ice Pellets, Hail, Ice on Ground (in)	24 Hour Wind Movement (mi)	Amount of Evap. (in)	Ground Cover (see ")	Max.	Min.	Ground Cover (see ")	Max.	Min.
2017	10	01				0.00		0.0										
2017	10	02				0.00		0.0										
2017	10	03				0.00		0.0										
2017	10	04				0.00		0.0										
2017	10	05				0.10												
2017	10	06				0.00		0.0										
2017	10	07				0.00		0.0										
2017	10	08				0.00		0.0										
2017	10	09				0.00		0.0										
2017	10	10				0.13												
2017	10	11				0.00		0.0										
2017	10	12				0.00		0.0										
2017	10	13				0.00		0.0										
2017	10	14				0.00		0.0										
2017	10	15				0.00		0.0										
2017	10	16				0.00		0.0										
2017	10	17				0.00		0.0										
2017	10	18				0.00		0.0										
2017	10	19				0.00		0.0										
2017	10	20				0.00		0.0										
2017	10	21				0.00		0.0										
2017	10	22				0.00		0.0										
2017	10	23				0.00		0.0										
2017	10	24				0.00		0.0										
2017	10	25				0.00		0.0										
2017	10	26				0.00		0.0										
2017	10	27				0.00		0.0										
2017	10	28				0.00		0.0										
2017	10	29				0.00		0.0										
2017	10	30				0.00		0.0										
2017	10	31				0.05												
		Summary				0.28		0.0										

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Record of Climatological Observations These data are quality controlled and may not be identical to the original observations. Generated on 11/07/2018

National Centers for Environmental Information 151 Patton Avenue Asheville, North Carolina 28801

Station: PUEBLO 5.0 S, CO US US1COPU0118

Station: Pl	JEBLO 5.0	s, co us u	S1COPU011	18								Observa	ation Time Te	emperature: l	Jakaowa Ob:	servation Tim	e Precipitatio	n: Unknown
			Te	mperature (l)			Precipitation	1		Evapo	ration			Soil Temp	erature (F)		
			24 Hrs. E Observa	Ending at tion Time	At O	24 Ho	ur Amou Observa	ints Ending tion Time	at	AtObs. Time				4 in. Depth			8 in.Depth	
Y e a r	M O n t h	D a y	Max.	Min.	b se rv a t i o n	Rain, Melted Snow, Etc. (in)	F I a g	Snow, Ice Pellets, Hail (in)	F I a g	Snow, Ice Pellets, Hail, Ice on Ground (in)	24 Hour Wind Movement (mi)	Amountof Evap. (in)	Ground Cover (see ")	Max.	Min.	Ground Cover (see ")	Max.	Min.
2017	11	01				0.00		0.0										
2017	11	02				0.00		0.0										
2017	11	03				0.00		0.0										
2017	11	04				0.00		0.0										
2017	11	05				0.00		0.0										
2017	11	06				0.00		0.0										
2017	11	07				0.00		0.0										
2017	11	08				0.23		1.3										
2017	11	09				0.00		0.0										
2017	11	10				0.00		0.0										
2017	11	11				0.00		0.0										
2017	11	12				0.00		0.0										
2017	11	13				0.00		0.0										
2017	11	14				0.00		0.0										
2017	11	15				0.00		0.0										
2017	11	16				0.00		0.0										
2017	11	17				0.00		0.0										
2017	11	18				0.15												
2017	11	19				0.00		0.0										
2017	11	20				0.00		0.0										
2017	11	21				0.00		0.0										
2017	11	22				0.00		0.0										
2017	11	23				0.00		0.0										
2017	11	24				0.00		0.0										
2017	11	25				0.00		0.0										
2017	11	26				0.00		0.0										
2017	11	27				0.00		0.0										
2017	11	28				0.00		0.0										
2017	11	29				0.00		0.0										
2017	11	30				0.00		0.0										
		Summany				0.38		1 3										

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Record of Climatological Observations These data are quality controlled and may not be identical to the original observations. Generated on 11/07/2018

National Centers for Environmental Information 151 Patton Avenue Asheville, North Carolina 28801

Observation Time Temperature: Unknown Observation Time Precipitation: Unknown

Station: PUEBLO 5.0 S, CO US US1COPU0118

			Te	mperature (l	F)			Precipitation			Evapo	ration			Soil Temp	erature (F)		
			24 Hrs. E Observal	Ending at tion Time	At O	24 Ho	our Amou Observa	unts Ending : tion Time	at	AtObs. Time				4 in. Depth			8 in. Depth	
Y e a r	M o n t h	D a y	Max.	Min.	b ser va t i o n	Rain, Melted Snow, Etc. (in)	F I a g	Snow, Ice Pellets, Hail (in)	F I a g	Snow, Ice Pellets, Hail, Ice on Ground (in)	24 Hour Wind Movement (mi)	Amountof Evap. (in)	Ground Cover (see ")	Max.	Min.	Ground Cover (see ")	Max.	Min.
2017	12	01				0.00		0.0										
2017	12	02				0.00		0.0										
2017	12	03				0.00		0.0										
2017	12	04				0.00		0.0										
2017	12	05				0.00		0.0										
2017	12	06				0.00		0.0										
2017	12	07				0.00		0.0										
2017	12	08				0.00		0.0										
2017	12	09				0.00		0.0										
2017	12	10				0.00		0.0										
2017	12	11				0.00		0.0										
2017	12	12				0.00		0.0										
2017	12	13				0.00		0.0										
2017	12	14				0.01												
2017	12	15				0.00		0.0										
2017	12	16				0.00		0.0										
2017	12	17				0.00		0.0										
2017	12	18				0.00		0.0										
2017	12	19				0.00		0.0										
2017	12	20				0.00		0.0										
2017	12	21				0.00		0.0										
2017	12	22				Т												
2017	12	23				0.00		0.0										
2017	12	24				0.00		0.0										
2017	12	25				0.00		0.0										
2017	12	26				0.00		0.0										
2017	12	27				0.00		0.0										
2017	12	28				0.00		0.0										
2017	12	29				0.00		0.0										
2017	12	30				0.00		0.0										
2017	12	31				0.00		0.0										
		Summary				0.01		0.0										

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Station: PUEBLO 5.0 S, CO US US1COPU0118

Record of Climatological Observations These data are quality controlled and may not be identical to the original observations. Generated on 11/07/2018

National Centers for Environmental Information 161 Patton Avenue Asheville, North Carolina 28801

Observation Time Temperature: Unknown Observation Time Precipitation: Unknown

Evaporation Soil Temperature (F) Temperature (F) Precipitation 24 Hrs. Ending at 24 Hour Amounts Ending at AtObs. At 4 in. Depth 8 in. Depth Observation Time 0 Observation Time Time Б М Y s 0 D 24 Hour е е Snow Ice п а Wind Amount of а Г Rain, F Snow Ice Pellets. Ground Ground t У Movement Evap. (in) υ Melted г Т h Max. Min. Pellets, Hail, Ice Cover Max. Min. Cover Max. Min. (m) а Snow, Etc. а а Hail (in) on Ground (see ") (see *) t (in) g g (in) i • n 2018 01 0.00 0.0 01 0.00 0.0 2018 01 02 03 0.00 0.0 2018 01 2018 01 04 0.00 0.0 2018 01 05 0.00 0.0 2018 01 06 0.00 0.0 07 0.00 0.0 2018 01 2018 01 08 0.00 0.0 2018 01 09 0.00 0.0 0.00 2018 01 10 0.0 01 11 0.11 2018 2018 01 12 0.00 0.0 13 0.0 2018 01 0.00 2018 01 14 0.00 0.0 2018 01 15 0.00 0.0 2018 01 16 0.00 0.0 01 17 0.00 0.0 2018 2018 01 18 0.00 0.0 2018 01 19 0.00 0.0 2018 01 20 0.00 0.0 2018 01 21 0.00 0.0 22 2018 01 0.00 0.0 2018 01 23 0.00 0.0 01 24 0.0 2018 0.00 01 25 0.00 0.0 2018 01 26 0.00 0.0 2018 2018 01 27 0.00 0.0 2018 01 28 0.00 0.0 2018 01 29 0.00 0.0 30 0.00 0.0 2018 01 2018 01 31 0.00 0.0 0.11 0.0 Summary

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

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Record of Climatological Observations These data are quality controlled and may not be identical to the original observations. Generated on 11/07/2018

National Centers for Environmental Information 161 Patton Avenue Asheville, North Carolina 28801

Station: PUEBLO 5.0 S, CO US US1COPU0118

Station: P	UEBLO 5.0	S, CO US L	JS1COPU01	18								Observ	ation Time Te	emperature: I	Unknown Ob	servation Tim	e Precipitatio	on: Unknown
			Te	mperature (l	F)			Precipitation	1		Evapo	ration			Soil Temp	erature (F)		
			24 Hrs. F Observa	Ending at tion Time	At O	24 Ho	our Amo Observa	unts Ending tion Time	at	AtObs. Time				4 in. Depth			8 in. Depth	
Y e a r	M o n t h	D a y	Max.	Min.	D Servati on	Rain, Melted Snow, Etc. (in)	F I a g	Snow, Ice Pellets, Hail (in)	F I g	Snow, Ice Pellets, Hail, Ice on Ground (in)	24 Hour Wind Movement (mi)	Amountof Evap. (in)	Ground Cover (see ")	Max.	Min.	Ground Cover (see ")	Max.	Min.
2018	02	01				0.00		0.0										
2018	02	02				0.00		0.0										
2018	02	03				0.00		0.0										
2018	02	04				0.00		0.0										
2018	02	05				0.00		0.0										
2018	02	06				0.12		1.3										
2018	02	07				0.00		0.0										
2018	02	08				0.00		0.0										
2018	02	09				0.00		0.0										
2018	02	10				0.00		0.0										
2018	02	11				0.28		3.0		3.0								
2018	02	12				0.00		0.0										
2018	02	13				0.00		0.0										
2018	02	14				0.00		0.0										
2018	02	15				0.00		0.0										
2018	02	16				0.04		0.8										
2018	02	17				0.00		0.0										
2018	02	18				0.00		0.0										
2018	02	19				0.00		0.0										
2018	02	20				0.08		1.0		1.0								
2018	02	21				0.00		0.0										
2018	02	22				0.06		1.2		1.2								
2018	02	23				0.00		0.0										
2018	02	24				0.00		0.0										
2018	02	25				0.00		0.0										L
2018	02	26				0.00		0.0										L
2018	02	27				0.00		0.0										
2018	02	28				0.00		0.0										
		Summary				0.58		7.3										

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 6=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

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Record of Climatological Observations These data are quality controlled and may not be identical to the original observations. Generated on 11/07/2018

National Centers for Environmental Information 151 Patton Avenue Asheville, North Carolina 28801

Observation Time Temperature: Unknown Observation Time Precipitation: Unknown

Station: PUEBLO 5.0 S, CO US US1COPU0118

			Te	mperature (l	F)			Precipitation			Evapo	ration			Soil Temp	erature (F)		
			24 Hrs. E Observa	inding at tion Time	At O	24 Ho	ur Amou Observal	ints Ending a tion Time	at	AtObs. Time				4 in. Depth			8 in. Depth	
Y e a r	M o n t h	D a y	Max.	Min.	b se r v a t i o n	Rain, Melled Snow, Etc. (in)	F I a g	Snow, Ice Pellets, Hail (in)	F I a g	Snow, Ice Pellets, Hail, Ice on Ground (in)	24 Hour Wind Movement (mi)	Amount of Evap. (in)	Ground Cover (see ")	Max.	Min.	Ground Cover (see ")	Max.	Min.
2018	03	01				0.00		0.0										
2018	03	02				0.00		0.0										
2018	03	03				0.00		0.0										
2018	03	04				0.00		0.0										
2018	03	05				0.00		0.0										
2018	03	06				0.00		0.0										
2018	03	07				0.00		0.0										
2018	03	08				0.00		0.0										
2018	03	09				0.00		0.0										
2018	03	10				0.00		0.0										
2018	03	11				0.00		0.0										
2018	03	12				0.00		0.0										
2018	03	13				0.00		0.0										
2018	03	14				0.00		0.0										
2018	03	15				0.00		0.0										
2018	03	16				0.00		0.0										
2018	03	17				0.00		0.0										
2018	03	18				0.00		0.0										
2018	03	19				0.00		0.0										
2018	03	20				0.00		0.0										
2018	03	21				0.00		0.0										
2018	03	22				0.00		0.0										
2018	03	23				0.00		0.0										
2018	03	24				0.00		0.0										
2018	03	25				0.00		0.0										
2018	03	26				0.00		0.0										
2018	03	27				0.12												
2018	03	28				0.00		0.0										
2018	03	29				0.04												
2018	03	30				0.00		0.0										
2018	03	31				0.00		0.0										
		Summary				0.16		0.0										

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

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'T' values in the Precipitation or Snow category above indicate a 'trace' value was recorded.

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Record of Climatological Observations These data are quality controlled and may not be identical to the original observations. Generated on 11/07/2018

National Centers for Environmental Information 151 Patton Avenue Asheville, North Carolina 28801

Station: PUEBLO 5.0 S, CO US US1COPU0118

Station: Pl	JEBLO 5.0	S, CO US U	S1COPU011	18								Observa	ation Time Te	emperature: L	Jakaowa Obs	ervation Tim	e Precipitatio	n: Unknown
			Te	mperature (i	F)			Precipitation	1		Evapo	ration			Soil Temp	erature (F)		
			24 Hrs. E Observa	Ending at tion Time	At O	24 Ho	ur Amou Observal	ints Ending : tion Time	at	AtObs. Time				4 in. Depth			8 in. Depth	
Y e a r	M o n t h	D a y	Max.	Min.	D Ser Vation	Rain, Melted Snow, Etc. (in)	F I a g	Snow, Ice Pellets, Hail (in)	F I a g	Snow, Ice Pellets, Hail, Ice on Ground (in)	24 Hour Wind Movement (mi)	Amountof Evap. (in)	Ground Cover (see ")	Max.	Min.	Ground Cover (see ")	Max.	Min.
2018	04	01				0.00		0.0										
2018	04	02				0.00		0.0										
2018	04	03				Т												
2018	04	04				0.00		0.0										
2018	04	05				0.00		0.0										
2018	04	06				0.00		0.0										
2018	04	07				0.01		Т		Т								
2018	04	08				0.08												
2018	04	09				0.00		0.0										
2018	04	10				0.00		0.0										
2018	04	11				0.00		0.0										
2018	04	12				0.00		0.0										
2018	04	13				т												
2018	04	14				0.00		0.0										
2018	04	15				0.00		0.0										
2018	04	16				0.00		0.0										
2018	04	17				0.00		0.0										
2018	04	18				0.00		0.0										
2018	04	19				0.00		0.0										
2018	04	20				0.00		0.0										
2018	04	21				0.04												
2018	04	22				т												
2018	04	23				0.00		0.0										
2018	04	24				0.00		0.0										
2018	04	25				0.14												
2018	04	26				0.00		0.0										
2018	04	27				0.00		0.0										
2018	04	28				0.00		0.0										
2018	04	29				0.00		0.0										
2018	04	30				0.00		0.0										
			0.27		0.0			-										

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 8=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

's' This data value failed one of NCDC's quality control tests.

'T' values in the Precipitation or Snow category above indicate a 'trace' value was recorded.

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Record of Climatological Observations These data are quality controlled and may not be identical to the original observations.

Generated on 11/07/2018

National Centers for Environmental Information 151 Patton Avenue Asheville, North Carolina 28801

Observation Time Temperature: Unknown Observation Time Precipitation: Unknown

Station: PUEBLO 5.0 S, CO US US1COPU0118

			Te	mperature (F)			Precipitation	1		Evapo	ration			Soil Temp	eralure (F)		
			24 Hrs. E Observa	Ending at tion Time	At O	24 Ho	xur Amou Observa	unts Ending tion Time	at	AtObs. Time			4 in. Depth				8 in. Depth	
Y e a r	M o n t h	D a y	Max.	Min.	b s r v a t i o n	Rain, Melted Snow, Etc. (in)	F I a g	Snow, Ice Pellets, Hail (in)	F I a g	Snow, Ice Pellets, Hail, Ice on Ground (in)	24 Hour Wind Movement (mi)	Amountof Evap. (in)	Ground Cover (see ")	Max.	Min.	Ground Cover (see ")	Max.	Min.
2018	05	01				0.00		0.0										
2018	05	02				0.14		0.0										
2018	05	03				0.00		0.0										
2018	05	04				0.00		0.0										
2018	05	05				0.00		0.0										
2018	05	06				0.00		0.0										
2018	05	07				0.00		0.0										
2018	05	08				0.00		0.0										
2018	05	09				0.00		0.0										
2018	05	10				0.00		0.0										
2018	05	11				0.00		0.0										
2018	05	12				0.00		0.0										
2018	05	13				0.00		0.0										
2018	05	14				0.00		0.0										
2018	05	15				0.00		0.0										
2018	05	16				0.08												
2018	05	17				0.00		0.0										
2018	05	18				0.00		0.0										
2018	05	19				0.00		0.0										
2018	05	20				0.05												
2018	05	21				0.00		0.0										
2018	05	22				0.00		0.0										
2018	05	23				0.00		0.0										
2018	05	24				0.00		0.0										
2018	05	25				0.00		0.0										
2018	05	26				0.00		0.0										
2018	05	27				0.00		0.0										
2018	05	28				0.00		0.0										
2018	05	29				0.00		0.0										
2018	05	30				0.00		0.0										
2018	05	31				0.00		0.0										
		Summary				0.27		0.0										

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

's' This data value failed one of NCDC's quality control tests.

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'A' values in the Precipitation Flag or the Snow Flag column indicate a multiday total, accumulated since last measurement, is being used.

Record of Climatological Observations These data are quality controlled and may not be identical to the original observations. Generated on 11/07/2018

National Centers for Environmental Information 151 Patton Avenue Asheville, North Carolina 28801

Station: PUEBLO 5.0 S, CO US US1COPU0118

Station: Pl	JEBLO 5.0	S, CO US U	S1COPU01	18								Observa	ation Time Te	emperature: L	Jakaowa Ob:	servation Tim	e Precipitatio	n: Unknown
			Te	mperature (l	F)			Precipitation	1	_	Evapo	ration			Soil Temp	erature (F)		
			24 Hrs. E Observa	inding at tion Time	At O	24 Ho	xur Amou Observa	unts Ending tion Time	at	AtObs. Time				4 in. Depth			8 in.Depth	
Y e a r	M o n t h	D a y	Max.	Min.	b se r v a t i o n	Rain, Melted Snow, Etc. (in)	F I a g	Snow, Ice Pellets, Hail (in)	F I a g	Snow, Ice Pellets, Hail, Ice on Ground (in)	24 Hour Wind Movement (mi)	Amountof Evap. (in)	Ground Cover (see ")	Max.	Min.	Ground Cover (see ")	Max.	Min.
2018	06	01				0.00		0.0										
2018	06	02				0.00		0.0										
2018	06	03				0.00		0.0										
2018	06	04				0.08												
2018	06	05				0.00		0.0										
2018	06	06				0.00		0.0										
2018	06	07				0.00		0.0										
2018	06	08				0.00		0.0										
2018	06	09				0.00		0.0										
2018	06	10				0.00		0.0										
2018	06	11				0.00		0.0										
2018	06	12				0.00		0.0										
2018	06	13				0.00		0.0										
2018	06	14				0.00		0.0										
2018	06	15				Т												
2018	06	16				0.00		0.0										
2018	06	17				0.00		0.0										
2018	06	18				0.03												
2018	06	19				0.00		0.0										
2018	06	20				0.00		0.0										
2018	06	21				0.00		0.0										
2018	06	22				0.00		0.0										
2018	06	23				0.00		0.0										
2018	06	24				0.00		0.0										
2018	06	25				0.00		0.0										
2018	06	26				0.00		0.0										
2018	06	27				0.00		0.0										
2018	06	28				0.00		0.0										
2018	06	29				0.00		0.0										
2018	06	30				0.00		0.0										
	Summary					0.11		0.0								-		

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

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Record of Climatological Observations These data are quality controlled and may not be identical to the original observations. Generated on 11/07/2018

National Centers for Environmental Information 161 Patton Avenue Asheville, North Carolina 28801

Observation Time Temperature: Unknown Observation Time Precipitation: Unknown

Station: PUEBLO 5.0 S, CO US US1COPU0118

			Te	mperature (l	F)			Precipitation	1	-	Evapo	ration	tion Soil Temperature (F)					
			24 Hrs. E Observal	Ending at tion Time	At O	24 Ho	xur Amoi Observa	unts Ending : tion Time	at	AtObs. Time				4 in. Depth			8 in.Depth	
Y e a r	M O n t h	D a y	Max.	Min.	D Ser Vation	Rain, Melted Snow, Etc. (in)	F I a g	Snow, Ice Pellets, Hail (in)	F I g	Snow, Ice Pellets, Hail, Ice on Ground (in)	24 Hour Wind Movennen t (mi)	Amountof Evap. (in)	Ground Cover (see ")	Max.	Min.	Ground Cover (see ")	Max.	Min.
2018	07	01				0.00		0.0										
2018	07	02				0.00		0.0										
2018	07	03				0.00		0.0										
2018	07	04				0.00		0.0										
2018	07	05				0.00		0.0										
2018	07	06				0.21												
2018	07	07				0.00		0.0										
2018	07	08				0.00		0.0										
2018	07	09				0.00		0.0										
2018	07	10				0.00		0.0										
2018	07	11				0.00		0.0										
2018	07	12				0.00		0.0										
2018	07	13				0.00		0.0										
2018	07	14				0.05												
2018	07	15				0.00		0.0										
2018	07	16				0.35												
2018	07	17				0.00		0.0										
2018	07	18				0.00		0.0										
2018	07	19				0.00		0.0										
2018	07	20				0.00		0.0										
2018	07	21				Т												
2018	07	22				0.01												
2018	07	23				0.00		0.0										
2018	07	24				0.73												
2018	07	25				0.00		0.0										
2018	07	26				0.00		0.0										
2018	07	27				0.00		0.0										
2018	07	28				0.06												
2018	07	29				0.00		0.0										
2018	07	30				0.05												
2018	07	31				0.00		0.0										
		Summary				1.46		0.0										

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 6=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

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Station: PUEBLO 5.0 S, CO US US1COPU0118

Record of Climatological Observations These data are quality controlled and may not be identical to the original observations. Generated on 11/07/2018

National Centers for Environmental Information 161 Patton Avenue Asheville, North Carolina 28801

Observation Time Temperature: Unknown Observation Time Precipitation: Unknown

			Te	mperature (F)			Precipitation	1		Evapo	ration			Soil Temp	erature (F)		
			24 Hrs. E Observa	Ending at tion Time	At O	24 Ho	ur Amo Observa	unts Ending tion Time	at	AtObs. Time				4 in. Depth			8 in. Depth	
Y e a r	M O n t h	D a y	Max.	Min.	D Se r V a t i o n	Rain, Melted Snow, Etc. (in)	F I a g	Snow, Ice Pellets, Hail (in)	F I a g	Snow, Ice Pellets, Hail, Ice on Ground (in)	24 Hour Wind Movement (mi)	Amountof Evap. (in)	Ground Cover (see ")	Max.	Min.	Ground Cover (see ")	Max.	Min.
2018	08	01				0.00		0.0										
2018	08	02				0.00		0.0										
2018	08	03				0.00		0.0									L	
2018	08	04				0.00		0.0									L	
2018	08	05				0.00		0.0									L	
2018	08	06				0.00		0.0									L	
2018	08	07				1.04		0.0										
2018	08	08				0.00		0.0									L	
2018	08	09				0.00		0.0									L	
2018	08	10				0.00		0.0									L	
2018	08	11				0.00		0.0									L	
2018	08	12				0.00		0.0										
2018	08	13				0.00		0.0										
2018	08	14				0.00		0.0									L	
2018	08	15				Т											L	
2018	08	16				Т											L	
2018	08	17				0.11												
2018	08	18				0.00		0.0									<u> </u>	
2018	08	19				0.02											L	
2018	08	20				0.00		0.0									L	
2018	08	21				0.00		0.0									L	
2018	08	22				0.15											L	
2018	08	23				0.00		0.0										
2018	08	24				0.00		0.0										
2018	08	25				0.00		0.0										
2018	08	26				0.00		0.0									<u> </u>	
2018	08	27				0.00		0.0										
2018	08	28				0.00		0.0										
2018	08	29				0.00		0.0									<u> </u>	
2018	08	30				0.00		0.0									<u> </u>	
2018	08	31				0.00		0.0										
		Summarv				11.32		0.0										

Empty, or blank, cells indicate that a data observation was not reported.

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Record of Climatological Observations These data are quality controlled and may not be identical to the original observations. Generated on 11/07/2018

National Centers for Environmental Information 151 Patton Avenue Asheville, North Carolina 28801

Observation Time Temperature: Unknown Observation Time Precipitation: Unknown

				Te	mperature (F)	Precipitation L				Evapo	ration			Soil Temp	erature (F)			
				24 Hrs. I Observa	Ending at tion Time	At O	24 Ho	our Amo Observa	unts Ending tion Time	at	AtObs. Time				4 in. Depth			8 in. Depth	
	Y e a r	M o n t h	D a y	Max.	Min.	b se r v a t i o n	Rain, Melted Snow, Etc. (in)	F I a g	Snow, Ice Pellets, Hail (in)	F I a g	Snow, Ice Pellets, Hail, Ice on Ground (in)	24 Hour Wind Movement (mi)	Amountof Evap. (in)	Ground Cover (see ")	Max.	Min.	Ground Cover (see ")	Max.	Min.
20	18	09	01				0.00		0.0										
20	18	09	02				0.00		0.0										
20	18	09	03				0.00		0.0										
20	18	09	04				0.00		0.0										
20	18	09	05				0.00		0.0										
20	18	09	06				0.15												
20	18	09	07				0.00		0.0										
20	18	09	08				0.00		0.0										
20	18	09	09				0.00		0.0										
20	18	09	10				0.00		0.0										
20	18	09	11				0.00		0.0										
20	18	09	12				Т												
20	18	09	13				0.00		0.0									L	
20	18	09	14				0.00		0.0										
20	18	09	15				0.00		0.0									L	
20	18	09	16				0.00		0.0									L	
20	18	09	17				0.00		0.0										
20	18	09	18				0.00		0.0										
20	18	09	19				0.00		0.0										
20	18	09	20				0.00		0.0										
20	18	09	21				0.00		0.0										
20	18	09	22				0.00		0.0									<u> </u>	
20	18	09	23				0.00		0.0									<u> </u>	
20	18	09	24				0.00		0.0									<u> </u>	
20	18	09	25				0.00		0.0									<u> </u>	
20	18	09	26				0.00		0.0									<u> </u>	
20	18	09	27				0.00		0.0									<u> </u>	
20	18	09	28				0.00		0.0									<u> </u>	
20	18	09	29				0.00		0.0									<u> </u>	
20	18	09	30				0.00	<u> </u>	0.0									L	
			<u>~umman/</u>				111.15		11111		1								

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 6=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

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'T' values in the Precipitation or Snow category above indicate a 'trace' value was recorded.

'A' values in the Precipitation Flag or the Snow Flag column indicate a multiday total, accumulated since last measurement, is being used.

Record of Climatological Observations These data are quality controlled and may not be identical to the original observations. Generated on 11/07/2018

National Centers for Environmental Information 151 Patton Avenue Asheville, North Carolina 28801

Observation Time Temperature: Unknown Observation Time Precipitation: Unknown

Station: PUEBLO 5.0 S, CO US US1COPU0118

			Te	mperature (l	F)			Precipitation	I		Evapo	ration	Soil Temperature (F)					
			24 Hrs. E Observa	inding at tion Time	At O	24 Ho	ur Amou Observa	unts Ending : tion Time	at	AtObs. Time				4 in. Depth			8 in. Depth	
Y e a r	M o n t h	D a y	Max.	Min.	D S P V a t i O N	Rain, Melted Snow, Etc. (n)	F I a g	Snow, Ice Pellets, Hail (in)	F I a g	Snow, Ice Pellets, Hail, Ice on Ground (in)	24 Hour Wind Movement (mi)	Amountof Evap. (in)	Ground Cover (see ")	Max.	Min.	Ground Cover (see ")	Max.	Min.
2018	10	01				0.00		0.0										
2018	10	02				т												
2018	10	03				0.00		0.0										
2018	10	04				0.00		0.0										
2018	10	05				0.00		0.0										
2018	10	06				0.00		0.0										
2018	10	07				0.00		0.0										
2018	10	08				0.59												
2018	10	09				0.25												
2018	10	10				0.03												
2018	10	11				0.05												
2018	10	12				0.00		0.0										
2018	10	13				0.00		0.0										
2018	10	14				0.00		0.0										
2018	10	15				0.06		1.0		1.0s								
2018	10	16				0.00		0.0										
2018	10	17				0.00		0.0										
2018	10	18				0.00		0.0										
2018	10	19				0.00		0.0										
2018	10	20				0.00		0.0										
2018	10	21				0.00		0.0										
2018	10	22				0.00		0.0										
2018	10	23				0.00		0.0										
2018	10	24				0.30												
2018	10	25				0.22												
2018	10	26				0.00		0.0										
2018	10	27				0.00		0.0										
2018	10	28				0.00		0.0										
2018	10	29				0.00		0.0										
2018	10	30				0.00		0.0										
2018	10	31				0.75												
		Summary				2.25		1.0										

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

's' This data value failed one of NCDC's quality control tests.

'T' values in the Precipitation or Snow category above indicate a 'trace' value was recorded.

'A' values in the Precipitation Flag or the Snow Flag column indicate a multiday total, accumulated since last measurement, is being used.

Data Summary

Based on the provided data from National Centers for Environmental Information for the days in which rain/snow was observed, this following table summarizes the given data and shows how many days have precipitation exceeded 0.5 inch and snow exceeded 1.0 Inch from the ground.

Month	Year	Number of Days in which Precipitation exceeded 0.5 Inch or Snow exceeded 1.0 Inch	average number of days			
	2018	0				
January	2017	1	1			
	2016	1				
	2018	4				
February	2017	0	2			
	2016	3				
	2018	0				
March	2017	1	1			
	2016	2	7			
	2018	0				
April	2017	4	2			
	2016	3				
	2018	0				
May	2017	1	1			
	2016	1				
	2018	0				
June	2017	1	0			
	2016	0	1			
	2018	1				
July	2017	1	1			
	2016	1	1			
	2018	1				
August	2017	0	0			
	2016	0	1			
	2018	0	0			
September	2017	1				
	2016	0				
	2018	3				
October	2017	0	1			
	2016	0				
	2017	1				
November	2016	0	1			
	2015	1				
	2017	0				
December	2016	0	1			
	2015	2				
		· ·				

total = 11 days

Conclusion

For the sake of incorporating the given data in "Pueblo, Colorado" schedule, we can use the average days in the above table as days-off in each month on the project calendar and to be distributed over the month with maximum 1 non-working day per week.