



Utah Climatic Summary

August 2013



Here's a look at precipitation reports for the month of August:



Station	Precipitation	Snowfall	Normal Pcpn	Percent of Normal
Alpine	0.88	-	1.04	85
Alta	3.96	-	1.82	218
Altamont	0.54	-	-	-
Alton	2.83	-	1.75	162
Beaver Canyon PH	1.54	-	2.02	76
Big Water	1.54	-	0.78	198
Boulder	3.70	-	1.72	215
Bountiful Bench	0.07	-	-	-
Bountiful-Val Verda	0.12	-	0.90	13
Brigham City	0.06	-	0.69	9
Bryce Canyon Nat'l Park	3.73	-	1.99	187
Bullfrog Basin	0.88	-	0.60	147
Capitol Reef Nat'l Park	0.66	-	1.33	50
Castle Dale	1.60	-	1.03	155
Cedar City Airport	1.93	-	1.13	171
Cedar City 5 E	2.19	-	1.51	145
Centerville	0.25	-	-	-
City Creek	0.40	-	0.90	44
Clearfield	0.09	-	-	-
Cottonwood Weir	0.37	-	1.05	35
Deer Creek Dam	1.27	-	1.09	117
Echo Dam	0.82	-	0.88	93
Eden 2N	0.29	-	-	-
Escalante	2.26	-	1.66	136
Farmington 3 E	0.20	-	0.74	27
Ferron	1.42	-	0.98	145
Fillmore	0.41	-	0.81	51
Fremont Indian S.P.	1.64	-	1.54	106
Garfield	0.19	-	0.86	22
Hans Flat	1.73	-	1.21	143
Hatch	2.13	-	1.83	116
Helper-Carbon	1.41	-	1.35	104

Station	Precipitation	Snowfall	Normal Pcpn	Percent of Normal
Hite Ranger Station	2.06	-	0.60	343
Kanab	0.96	-	1.51	64
Kodachrome Basin S.P.	1.91	-	1.63	117
Laketown	0.48	-	0.89	54
Layton	0.18	-	-	-
Levan	0.44	-	0.82	54
Loa	2.15	-	1.37	157
Logan KVNU	0.02	-	0.77	3
Manti	1.21	-	0.90	122
Milford	0.67	-	0.95	71
Mountain Dell	0.72	-	1.02	71
Neola	0.50	-	0.84	60
Nephi	0.44	-	0.91	48
Ogden NE Bench	0.11	-	-	-
Orderville	2.04	-	1.56	131
Paria Ranger Station	2.12	-	-	-
Pineview Dam	0.54	-	1.16	47
Pleasant Grove	0.95	-	0.82	116
Price BLM	1.36	-	1.09	125
Provo BYU	0.70	-	0.99	71
Richfield	0.23	-	0.78	29
Salt Lake Triad Center	0.26	-	0.71	37
Salt Lake Int'l Airport	0.16	-	0.69	23
Santaquin	0.55	-	0.88	63
Scipio	1.61	-	1.00	161
Scofield-Skyline Mine	2.18	-	1.47	148
Silver Lake Brighton	2.63	-	1.89	139
South Ogden	0.18	-	-	-
South Salt Lake	0.50	-	-	-
Snyderville	0.89	-	-	-
Spanish Fork PH	0.65	-	0.87	75
Springville	1.53	-	-	-
Summit	1.91	-	1.23	155
Sunnyside	1.90	-	1.27	150
Timpanogos Cave	0.60	-	1.27	47
Trenton	0.00	-	0.71	0
Upper Millcreek	0.55	-	-	-
Utah Lake Lehi	0.96	-	0.87	110
Wanship Dam	0.69	-	1.07	64
Weber Basin Pump 3	0.49	-	1.02	48
Wellington 3 E	1.96	-	1.03	190

Aug 1st-2nd - Scattered showers and thunderstorms brought areas of heavy rainfall and strong gusty winds to much of the Beehive State. The heaviest rain fell over the central Utah mountains, the San Rafael Swell, and the Wasatch Plateau. Flash flooding occurred at the Seeley burn scar, producing a large debris flow consisting of mud, rocks, trees and water that covered portions of State Route 31 one to two feet deep. A large flash flood also flowed across State Route 24 into Caineville from Capitol Reef Nat'l Park.



Above: (Left) On August 1st, a debris flow containing large rocks, trees, mud and water one to two feet deep cover portions of SR-31 below the Seeley burn scar. (Right) Crews block portions of the road damaged by the flash flood.

Precipitation Totals (inches) 

Muddy Creek/Emery	1.41	Flattop Mountain	1.02	Sunnyside	0.81
Bruin Point	0.63	Wellington 3 E	0.58	Boulder	0.57
Junction	0.49	Goblin Valley S.P.	0.45	Joes Valley Dam	0.41
Blacktail	0.41	Buck Flat	0.33	Horse Ridge	0.28
Loa	0.26	Morgan	0.20	Hole-In-Rock	0.20
White River #1	0.20	Castle Valley	0.20	Hanna	0.20
Price Airport	0.20	Yellowstone Drainage	0.16	Green River	0.16
Circleville	0.16	Big Water	0.15	Cedar City	0.14
Henry Mountain	0.14	Larb Hollow	0.13	Spring City	0.12
Tabiona	0.11	Moon Lake	0.11	Red Spur	0.10
Hewinta	0.10	Beaver Dams	0.10	Altamont	0.07
Elk Ridge	0.04	Hans Flat RS	0.04	South Ogden	0.02
Salt Lake Int'l Airport	0.02	Kaysville	0.02	Fruit Heights	0.02

Peak Wind Gusts (MPH) 

Vernon Hill	57	Dugway	56	Wendover Peak	54
U.S. 6 @ Eureka	52	Tower Grid	51	Sundance-Arrowhead	51
Upper Cedar Mtn	49	Sandy	48	I-80 @ MP 29	48
Mayflower Summit	46	Deer Valley-Empire	46	Milford Airport	45
Enterprise	45	G.S.L. Marina	44	Sherwood Hills	44
Dry Ridge	44	U.S. 40 @ Starvation	43	Sevier Reservoir	43
Fish Springs	43	Canyons-Condor	43	Saratoga Springs	42
Flight Park South	42	Stockton Bar	42	Mouth Parleys	41
Syracuse	40	Wasatch Hills	40	Garden City	40

Aug 5th - Scattered dry thunderstorms produced a few microburst wind gusts across northern Utah, with one strong gust downing power lines and traffic signals near the intersection of State Route 111 and the new Bingham Highway. The strongest gust reported by sensors in the area was just 45 mph.



Above: Microburst winds took down power poles and traffic signals on State Route 111/Bingham Highway intersection.

Aug 12th - Isolated mainly dry thunderstorms produced microburst wind gusts across northern and central Utah. Some of the storms managed to drop measurable rainfall mainly over the mountains. One lone microburst toppled a large cottonwood tree in Historic Wheeler Farm in Salt Lake City.



Above: Microburst winds downed this large cottonwood tree at Historic Wheeler Farm in Salt Lake City.

Precipitation Totals (inches)

Fishlake So. Port #6	0.25	Junction	0.21	Wellington 3 E	0.17
Chepeta	0.16	Red Spur	0.15	Moon Lake	0.09
Flattop Mountain	0.09	Torrey	0.09	Horse Hollow	0.09
Agua Canyon	0.08	Alta	0.07	Black Cedar	0.07
Dixie Portable #2	0.07	Horse Ridge	0.07	Norway	0.06
Bryce Canyon Airport	0.06	Beaver	0.06	Sundance-Mid Mtn	0.06
Duchesne	0.04	Lost Creek	0.04	Sevier Reservoir	0.03

Peak Wind Gusts (MPH)

Horse Hollow	56	Gunnison Island	50	San Rafael/Green Rvr	48
Rattlesnake Bench	48	Price Airport	48	Badger Island	46
Baccus Highway	45	Panguitch Airport	43	Flight Park South	42
I-15 @ Sevier River	42	Dog Valley	41	Fillmore	40

Aug 17th - Afternoon and evening thunderstorms brought areas of heavy rain and strong winds to Utah from the Salt Lake Valley southward. Very heavy rain produced debris flows at both the Seeley and Clay Springs burn scars. Water and debris had to be diverted around the Huntington Power Plant near the Seeley burn scar, and up to four feet of water was flowing toward U.S. 50 from the Clay Springs burn scar.

Precipitation Totals (inches)

Bryce Canyon	0.93	Saratoga Springs	0.64	Bryce Canyon Airport	0.58
Taylorville	0.57	UVU/Midway	0.53	Assay	0.46
Springville	0.45	Lehi	0.33	Black Cedar	0.31
Pleasant Grove	0.30	Agua Canyon	0.29	Larb Hollow	0.28
Tule Valley	0.27	Horse Ridge	0.26	Orem	0.25
Elk Ridge	0.24	Norway	0.21	Provo BYU	0.20
Oak City	0.20	Eyring Science Center	0.18	Kodachrome Basin	0.18
Henry Mountain	0.18	Mud Spring	0.17	Draper	0.15
Joes Valley	0.11	Junction	0.10	Lindon	0.09
Alta	0.09	Buck Flat	0.08	Baker Lab	0.07
Chepeta	0.07	Bear River	0.06	Cedar City	0.06
Lost Creek	0.05	Callao	0.05	Sundance-Mid Mtn	0.05
Tickville	0.04	Simpson Springs	0.04	Hewinta	0.04
Rays Valley	0.04	Fish Springs	0.03	Milford Airport	0.03
Signal Peak	0.03	Tom Best Spring	0.03	Veyo Powerhouse	0.02
Alpine	0.02	Spanish Fork	0.02	Monroe	0.02

Peak Wind Gusts (MPH)

I-80 @ Sliver Creek Jct	60	Sundance-Arrowhead	53	Five Mile	50
Antelope Island S.P.	49	Flight Park South	48	Park City-Eagle	48
Mayflower Summit	48	V-Grid	47	Kimball Junction	47
Delta Airport	46	Vernon Hill	46	Trappers Loop	46
Saratoga Springs	46	Portable RWIS 3	45	Baker Lab	45
Orem	44	I-80 @ MP 1	44	Camel Back Mountain	43
Point of the Mountain	43	G.S.L. Marina	43	Playa Station	43
Bullfrog Marina	42	Baccus Highway	42	Wendover Peak	42
Vernon	42	Mountain View/Jupiter	42	Bryce Canyon Airport	41
Draper	40	English Village	40	U.S. 6 @ Eureka	40

Aug 22nd-23rd - Scattered showers and thunderstorms brought areas of heavy rainfall and strong gusty winds to much of the Beehive State. The heaviest rain fell across the Southern Wasatch Front and Central Mountains. A debris flow occurred at the Quail Burn Scar near Alpine on the 22nd. A significant amount of water was reported coming out of Box Elder and Wadsworth Canyons, and at least one house was damaged, with flooding reported at a shopping plaza the morning of the 23rd.



Above: Mud and water move into Alpine from a debris flow off the Quail Burn Scar. The flood entered the basement of one home (bottom, right), and just moved through the yards of several others. Photos courtesy of KSL.

Precipitation Totals (inches) 

Lost Creek	0.98	Alpine	0.91	Muddy Creek	0.77
Agua Canyon	0.75	Alta-Base	0.71	Baker Lab	0.63
Highland	0.56	Bruin Point	0.56	Alta-Collins	0.52
Lehi	0.50	North Salt Flats	0.49	Tom Best Spring	0.49
Eagle Range	0.47	Black Cedar	0.45	Junction	0.45
Joes Valley	0.43	Juliet Road	0.41	Pleasant Grove	0.40
Five Mile	0.40	Bryce Canyon	0.40	Summit Park	0.38
Norway	0.38	Enterprise	0.38	Rays Valley	0.37
Cedar City	0.37	Buck Flat	0.37	Zion Nat'l Park	0.36
Signal Peak	0.36	Bear River	0.34	Spring City	0.34
Deer Creek Dam	0.32	Cedar City Airport	0.31	Kanab	0.31
Spanish Fork PH	0.30	Beaver	0.30	Aspen Mountain	0.29
Mount Pleasant	0.28	Jensen Spring	0.26	Weber River/Echo	0.25
Monroe	0.24	Oak City	0.24	Taylorville	0.23
Sevier Reservoir	0.22	Hewinta	0.22	UVU/Midway	0.21
Weber River/Morgan	0.20	Kodachrome Basin	0.17	Milford Airport	0.17
Washington	0.16	Sandy	0.16	Provo BYU	0.16
Roosevelt	0.16	Delta	0.16	Saratoga Springs	0.15
New Harmony	0.15	Springville	0.13	Grantsville	0.13
Layton	0.12	Fillmore	0.12	St. George	0.11

Peak Wind Gusts (MPH)

Causeway	59	Sandy	59	SR-30	56
U.S. 6 @ Eureka	56	Badger Island	56	Lower Cedar Mtn	56
Diddle Knoll	53	Upper Cedar Mtn	52	Wendover Peak	51
North Salt Flats	51	Wendover POE	51	English Village	50
Hat Island	49	Trans-Jordan Landfill	49	Horizontal Grid	48
Flight Park South	48	Snowbasin-StrawTop	48	Eagle Range	47
Baker Lab	47	Salt Lake Int'l Airport	46	Promontory Point	46
West Ogden	45	Vernon Hill	45	West Salt Flats	45
Fish Springs	45	Antelope Island S.P.	44	Stockton Bar	44
Ogden Airport	43	Hill A.F.B.	43	Syracuse	43
Point of the Mountain	43	I-15 @ Willard POE	42	Sherwood Hills	42
Legacy Parkway	41	Baccus Highway	41	Grantsville	40
University of Utah	40	Erda Airport	40	Mountain View	40

Aug 24th - Strong thunderstorms developed across portions of Northern Utah, with some areas in Davis County and the Salt Lake Valley receiving large hail. Both Layton and South Salt Lake reported 1-inch diameter hail, with nickel-size hail reported in Kaysville. Strong thunderstorm winds also damaged some trees in Layton. Storms in Southwest Utah produced flash flooding in portions of Zion National Park, including Kolob Terrace, Subway, and Taylor Creek. Heavy rain fell in Beaver and Cedar City, but no flooding was reported.

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Above: (Left) Rain & hail moving into Layton as viewed from South Ogden. (Right) Hail covers a deck at a home in Layton.

Precipitation Totals (inches)

Beaver	1.25	Cedar City	0.84	Salt Lake City	0.78
Murray	0.63	Ft. Pierce Wash	0.63	Badger Spring	0.59
Layton	0.58	Beaver	0.56	South Weber	0.47
Willard	0.44	Zion Nat'l Park	0.43	Summit Park	0.41
Joes Valley Dam	0.40	Draper	0.37	Upper Millcreek	0.34
Riverton	0.33	Holladay	0.32	Pleasant View	0.31
Highland	0.31	West Salt Flats	0.29	St. George Airport	0.28
Weber River/Morgan	0.25	Delta	0.25	Assay	0.25
Herriman	0.24	Callao	0.24	Mud Spring	0.24
Duchesne	0.23	Laketown	0.22	Fruit Heights	0.21
Beus Canyon	0.20	Taylorsville	0.20	Olympus Hills	0.20
Enterprise	0.20	Alta	0.18	Sandy	0.18
Olympus Cove	0.18	Lehi	0.16	Mantua	0.15
Fillmore	0.15	Riverton	0.15	Alpine	0.13
Brigham City	0.12	Uintah	0.12	South Ogden	0.11
Pleasant Grove	0.11	Springville	0.10	Huntsville	0.09
Kaysville	0.09	Milford Airport	0.08	West Point	0.08

Peak Wind Gusts (MPH)

Diddle Knoll	74	West Salt Flats	64	West of Wildcat	58
Callao	56	Stockton Bar	53	Flight Park South	53
North Salt Flats	53	V-Grid	52	Causeway	51
G.S.L. Marina	51	Bountiful Bench	50	Lake Point I-80	48
Baccus Highway	48	Olympus Hills	48	Saratoga Springs	47
Vernon Hill	46	West Granite	46	Dugway	46
Eagle Range	44	University of Utah	44	Lehi	43
Deseret Peak Complex	43	Point of the Mountain	42	Centerville	41
Legacy Parkway	41	Draper	41	Layton	40

Aug 25th - There was more flash flooding in Zion National Park as well over an inch of rain fell across the area. Scenic Drive had to be closed due to culverts filling and rocks on the roads. Pretty much all the canyons within the park were running high due to the very heavy rainfall. Elsewhere around the state thunderstorms were more scattered, with most of the rain over the central and south.

Precipitation Totals (inches)

Zion Canyon	1.39	Rockville	1.24	Lava Point	0.71
Delta	0.69	Kolob Mountain	0.57	La Verkin	0.50
Henry Mountain	0.44	Bryce Canyon	0.40	Kodachrome Basin	0.38
Bullfrog Marina	0.33	Junction	0.28	Rosebud	0.28
Buck Flat	0.26	Moab Fuels	0.20	Oak City	0.17
Assay	0.17	Escalante	0.17	Larb Hollow	0.17
Badger Spring	0.13	Signal Peak	0.12	Bruin Point	0.10
Torrey	0.10	Cedar City	0.09	Washington	0.09

Aug 26th - Heavy rain across southern and central Utah once again produced areas of flash flooding in Zion National Park and Capitol Reef National Park. Grand Wash and Capitol Gorge flooded in Capitol Reef, resulting in the closure of Scenic Drive.

Precipitation Totals (inches)

Zion National Park	1.59	Bryce Canyon Airport	0.63	Kodachrome Basin	0.61
Smith & Morehouse	0.60	Moab Fuels	0.58	Lava Point	0.53
Agua Canyon	0.52	Assay	0.52	Escalante	0.52
Telegraph Flat	0.48	Larb Hollow	0.43	Buck Flat	0.37
Henry Mountain	0.20	Bruin Point	0.19	Tom Best Spring	0.17
Capitol Reef NP	0.17	Torrey	0.17	Bullfrog Marina	0.16
Kanab	0.16	Caineville	0.12	Flattop Mountain	0.12
Wellington 3 E	0.11	Cedar City Airport	0.11	Horse Hollow	0.11
Beaver	0.10	Webster Flat	0.10	Long Valley Jct	0.10
Mount Pleasant	0.09	Junction	0.08	Muddy Creek	0.08
Price Airport	0.08	Yellowstone Drainage	0.07	Horse Ridge	0.07
Baer #10 Red Bull	0.07	Duchesne	0.07	Enterprise	0.07
Joes Valley	0.07	Norway	0.06	Lost Creek	0.06
Joes Valley Dam	0.06	Milford Airport	0.05	Moon Lake	0.05

Aug 30th - Strong thunderstorms with heavy rain produced flash flooding over portions of Southwest Utah. Five homes in Pine Valley reported basement flooding, with water up to 6 inches deep. Many roads were covered with debris, and some roads sustained damage from the flood waters. Flash flooding also occurred along the east fork of the Virgin River, the Dry Valley Drainage, and Buckskin Wash.

Precipitation Totals (inches) 

Enterprise	1.43	Agua Canyon	0.48	Greenville Bench	0.41
Fishlake D3 PT #3	0.36	Fishlake D4 PT #4	0.27	West Fork Blacksmith	0.11
Tom Best Spring	0.10	Chepeta	0.08	Beaver	0.08
Assay	0.08	Cedar City	0.07	Joes Valley Dam	0.07
Dixie Portable #2	0.06	Hewinta	0.04	Bryce Canyon	0.04
Hanna	0.03	Larb Hollow	0.03	Kodachrome Basin	0.02

Aug 31st - Two campgrounds along Chalk Creek east of Fillmore were damaged as a flash flood with trees and other debris washed down the canyon. There were no reports of injuries, nor was there any damage reported in Fillmore. Flash flooding also occurred once again along Clear Creek and numerous slot canyons in Zion National Park. Showers and thunderstorms were widely scattered across the rest of the Beehive State, with most activity from the Tooele Valley southward.

Precipitation Totals (inches) 

Wasatch-Cache NF	1.14	Badger Spring	1.13	Enterprise	0.53
Juliet Road	0.44	Baker Lab	0.43	Larb Hollow	0.43
Fishlake D3 PT #3	0.24	Veyo Powerhouse	0.21	Signal Peak	0.17
Milford Airport	0.16	NW Decon Pad	0.14	Dixie Portable #1	0.14
Cedar Mountain	0.12	Brimstone Reservoir	0.12	Beaver	0.11
White Sage	0.10	Cedar City	0.07	Jensen Spring	0.07
Black Cedar	0.07	Fishlake D4 PT #4	0.06	Clifton Flat	0.05
Zion National Park	0.05	Zion Canyon	0.05	Romeo & Centerline	0.04
Cedar City Airport	0.04	Torrey	0.04	Horse Hollow	0.04
Vernon	0.03	Camel Back Mountain	0.03	Rays Valley	0.03
Lava Point	0.03	Target R	0.02	Alta-Collins	0.02
Sevier Reservoir	0.02	Monroe	0.02	White Reef	0.02
Kodachrome Basin	0.02	Junction	0.02	Henry Mountain	0.02

Peak Wind Gusts (MPH) 

Vernon Hill	56	Vernon	46
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Warm Temperature Records For the Month of August:



Warmest August on Record in Salt Lake City

August 2013 was officially the warmest August on record at the Salt Lake City International Airport, dating back to 1874. The average temperature for the month was 82.7 degrees, breaking the old mark of 81.7 degrees set in 2012.

Aug 17th - Salt Lake City Int'l Airport tied their record high minimum of 76 (76/1882).

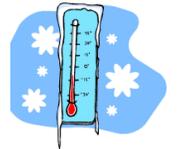
Aug 26th - Provo BYU broke their record high minimum temperature with 68 (66/2007).

Aug 30th - Salt Lake City Int'l Airport tied their record high minimum of 71 (71/2012).

Aug 31st - Record high minimums were set at Bountiful-Val Verda 69 (68/2011) and Ferron 64 (63/2009).



Cool Temperature Records For the Month of August:



Aug 26th - Record low maximum temperatures were set at Fillmore 70 (72/1972) and Milford 72 (72/1936).



Precipitation Records For the Month of August:



Aug 24th - Cedar City set a daily record for rainfall with 0.84 inches (0.42/1955).

Aug 26th - Zion National Park set a daily record for rainfall with 1.59 inches (0.76/2007).

THE SALT LAKE CITY UT CLIMATE SUMMARY FOR THE MONTH OF AUGUST 2013

CLIMATE NORMAL PERIOD 1981 TO 2010
 CLIMATE RECORD PERIOD 1874 TO 2013



WEATHER	OBSERVED VALUE	DATE(S)	NORMAL VALUE	DEPART FROM NORMAL	LAST YEAR`S VALUE	DATE(S)
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 TEMPERATURE (F)

RECORD

HIGH	106	08/04/1994				
LOW	37	08/31/1965, 08/29/1964				

HIGHEST	101	08/01			103	08/08
LOWEST	65	08/02			61	08/25

AVG. MAXIMUM	94.6		90.5	4.1	94.3	
AVG. MINIMUM	70.8		63.4	7.4	69.1	
MEAN	82.7		77.0	5.7	81.7	
DAYS MAX >= 90	27		18.2	8.8	29	
DAYS MAX <= 32	0		0.0	0.0	0	
DAYS MIN <= 32	0		0.0	0.0	0	
DAYS MIN <= 0	0		0.0	0.0	0	

PRECIPITATION (INCHES)

TOTALS	0.16		0.69	-0.53	0.29	
DAYS >= .01	7		5.4	1.6	2	
DAYS >= .10	0		2.0	-2.0	1	
DAYS >= .50	0		0.2	-0.2	0	
DAYS >= 1.00	0		0.1	-0.1	0	

SNOWFALL (INCHES)

TOTALS	0.0		0.0	0.0	0.0	
SINCE 7/1	0.0		0.0		0.0	

WEATHER	OBSERVED VALUE	NORMAL VALUE	DEPART FROM NORMAL	LAST YEAR`S VALUE
DEGREE DAYS				
HEATING TOTAL	0	3	-3	0
SINCE 7/1	0	5	-5	0
COOLING TOTAL	554	374	180	523
SINCE 1/1	1546	1036	510	1443

WIND (MPH)

AVERAGE WIND SPEED	9.3		
HIGHEST WIND SPEED/DIRECTION	37/180	DATE	08/23
HIGHEST GUST SPEED/DIRECTION	48/110	DATE	08/08

WEATHER CONDITIONS. NUMBER OF DAYS WITH

THUNDERSTORM	9	RAIN	7
HAIL	0	SNOW	0
FOG	0	FOG W/VIS <= 1/4 MILE	0
HAZE	3		

- INDICATES NEGATIVE NUMBERS.
- R INDICATES RECORD WAS SET OR TIED.
- MM INDICATES DATA IS MISSING.
- T INDICATES TRACE AMOUNT.



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