

CENTRAL OHIO RAINGAGE NETWORK

Precipitation Report for July 2013

Prepared by Bob Davis, Kristi Gardner and Dianne Kahal-Berman.

DAILY PRECIPITATION DATA (in inches) for July 2013

OBSV TIME	0630	1700	2400	1800	0700		1800	1700	OBSV TIME
GAGE	1	2	3	4	5	6	7	8	GAGE
SECT	NE	NW	NE	NW	NW		NE	NW	SECT
DATE									DATE
1		0.35	0.05	0.10	0.23		0.39		1
2		0.01	0.00	0.00	T		0.00		2
3		0.00	T	0.00	0.00		0.00		3
4		0.07	0.15	0.05	0.10		T		4
5		0.71	0.55	0.80	0.50		0.95		5
6		0.06	0.10	0.15	0.27		0.05		6
7		0.00	0.10	0.05	1.60		0.00		7
8		0.46	0.80	0.35	1.75		0.80		8
9		0.70	0.45	0.35	0.38		0.40		9
10		0.29	1.35	0.15	0.40		0.35		10
11		0.03	0.00	T	0.60		0.00		11
12		0.00	0.00	T	0.00		0.00		12
13		0.00	0.00	0.00	0.00		0.00		13
14		0.00	0.00	0.00	0.00		0.00		14
15		0.00	0.00	0.00	0.00		0.00		15
16		T	0.00	0.00	0.00		0.08		16
17		0.04	0.00	0.00	0.00		0.00		17
18		0.00	0.00	0.00	0.00		0.00		18
19		0.00	T	0.30	0.00		0.15		19
20		0.52	0.45	0.80	0.00		1.00		20
21		0.00	0.00	T	0.00		0.00		21
22		1.96	2.30	2.00	0.50		2.50		22
23		0.06	0.00	T	1.10		0.00		23
24		0.00	0.00	0.00	0.00		0.00		24
25		0.00	0.00	0.00	0.00		0.00		25
26		0.00	0.00	0.00	0.00		0.00		26
27		0.39a	0.30	0.40	0.10		0.30		27
28		0.00	0.00	T	0.35		0.00		28
29		0.00	0.00	0.00	0.00		0.00		29
30		0.00	0.00	0.00	0.00		0.00		30
31		0.06	0.15	0.10	0.02		0.10		31
TOTAL		5.71	6.75	5.60	7.90		7.07		TOTAL
2013		23.11	24.28	M	26.96		M		2013

OBSERVERS AND LOCATIONS

Gage	Station ID	Observer	County	Community
1	EMH&T	Kristi Gardner	Franklin	Columbus
2	OSU Golf Course	Bob Davis	Franklin	Upper Arlington
3	Gahanna Middle School South	Steve Davies	Franklin	Gahanna
4	Whetstone Park of Roses 1NW	Charleen & Diane Ehrbar	Franklin	Columbus
5	Powell 2NE	Debra Keller	Delaware	Liberty Township
6				
7	Whetstone Park of Roses 1NE	Michele Sherman	Franklin	Clintonville/Columbus
8	Reed Road Park	Justin & Chantil Milam	Franklin	Upper Arlington

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OBSV TIME	0700		2400						OBSV TIME
GAGE	9	10	11	12	13	14	15	16	GAGE
SECT	SE		NE	SE	NE				SECT
DATE									DATE
1	0.10		T						1
2	0.07		0.00						2
3	0.01		T						3
4	0.11		0.33						4
5	0.88		0.39						5
6	0.35		0.02						6
7	0.02		0.05						7
8	0.63		1.10						8
9	2.60		0.41						9
10	1.10		1.20						10
11	0.08		0.00						11
12	0.00		0.00						12
13	0.00		T						13
14	0.00		0.00						14
15	0.00		0.00						15
16	0.00		T						16
17	0.00		0.00						17
18	0.00		0.00						18
19	0.00		T						19
20	0.00		0.44						20
21	0.30		0.00						21
22	0.28		2.31						22
23	0.20		0.01						23
24	0.10		0.00						24
25	0.00		0.00						25
26	0.00		0.00						26
27	0.00		0.28						27
28	0.12		0.00						28
29	0.00		0.00						29
30	0.00		0.00						30
31	0.00		0.33						31
TOTAL	6.95		6.87		9.17				TOTAL
2013	27.16		23.80	M	25.61				2013

OBSERVERS AND LOCATIONS

Gage	Station ID	Observer	County	Community
9	Carroll 3SE	Janet Nungesser	Fairfield	Greenfield Township
10				
11	Port Columbus Airport	National Weather Service gage	Franklin	Columbus
12	Parsons Avenue Water Plant	Parsons Avenue Water Plant	Franklin	Columbus
13	Morse Road Water Plant	Morse Road Water Plant	Franklin	Columbus
14				
15				
16				

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DAILY PRECIPITATION DATA (in inches) for July 2013

OBSV TIME		2400	1830				1900	0900	OBSV TIME
GAGE	17	18	19	20	21	22	23	24	GAGE
SECT		NW	SW	NE		NE	NE	NE	SECT
DATE									DATE
1		0.73	0.00				*	0.20	1
2		0.00	0.10				*	0.40	2
3		0.00	0.00				*	0.40	3
4		0.09	0.03				*	0.00	4
5		0.75	0.90				*	0.50	5
6		0.01	T				1.10	0.15	6
7		T	0.00				0.00	0.50	7
8		0.36	0.10				1.00	1.60	8
9		0.42	0.70				0.38b	2.20	9
10		0.55	0.47				0.00	0.85	10
11		0.00	0.00				0.00	0.65	11
12		0.00	0.00				0.00	0.00	12
13		0.00	0.00				0.00	0.00	13
14		0.00	0.00				0.00	0.00	14
15		0.00	0.00				0.00	0.00	15
16		0.00	0.00				0.00	0.00	16
17		0.00	0.00				0.00	0.00	17
18		0.00	0.00				T	0.00	18
19		0.00	0.00				0.00	0.00	19
20		0.49	0.23				0.80	0.00	20
21		0.00	0.10				*	0.15	21
22		2.04	1.90				2.80	0.00	22
23		0.00	0.10				0.00	0.75	23
24		0.00	0.00				0.00	0.00	24
25		0.00	0.00				0.00	0.00	25
26		0.00	0.00				0.00	0.00	26
27		0.44	0.30				0.00	0.00	27
28		0.00	0.00				0.30	0.25	28
29		0.00	0.00				0.00	0.00	29
30		0.00	0.00				0.00	0.00	30
31		0.07	0.00				T	0.00	31
TOTAL		5.95	4.93	7.80		7.75	6.38	8.60	TOTAL
2013		22.22	23.50	25.21		23.92	M	M	2013

OBSERVERS AND LOCATIONS

Gage	Station ID	Observer	County	Community
17				
18	OSU Stadium 1SW	Al Sedam	Franklin	Clinton Township
19	Shadeville 1W	Julie Allman	Franklin	Grove City
20	Westerville Water Plant	Westerville Water Plant	Franklin	Westerville
21				
22	Minerva Park 1W	Scott Kirk	Franklin	Columbus
23	Ridenour Park 1W	Cathy Peterfish	Franklin	Gahanna
24	Sunbury 2N	Glenn Hayes	Delaware	Berkshire Township

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OBSV TIME		0700	1900				2400	1630	OBSV TIME
GAGE	25	26	27	28	29	30	31	32	GAGE
SECT		NE	NW	SW			SE	SE	SECT
DATE									DATE
1		0.02	0.10c				0.00	0.00	1
2		T	0.00				0.10	0.00	2
3		0.00	*				0.00	0.00	3
4		T	0.14				T	0.09h	4
5		0.75	*				1.20	0.96	5
6		0.20	*				0.00	0.05	6
7		0.02	0.48				0.00	0.00	7
8		0.55	0.40d				0.60	0.55	8
9		0.70	0.40f				0.90	0.79	9
10		1.00	0.12g				0.70	0.30	10
11		1.42	0.08				0.20	0.03	11
12		0.00	0.00				0.00	0.00	12
13		0.00	0.00				0.00	0.00	13
14		0.00	0.00				0.00	0.00	14
15		0.00	0.00				0.00	0.00	15
16		0.00	0.00				0.00	0.00	16
17		0.00	0.00				0.00	0.00	17
18		T	0.00				0.00	0.00	18
19		T	0.94				0.00	0.15	19
20		T	*				T	0.44	20
21		0.25	0.50				0.50	0.00	21
22		0.00	1.70				0.30	1.97	22
23		1.80	0.00				0.20	0.10	23
24		0.28	0.00				0.20	T	24
25		0.00	0.00				0.00	0.00	25
26		0.00	0.00				0.00	0.00	26
27		T	0.45				0.10	0.28	27
28		0.30	0.00				0.10	0.00	28
29		0.00	0.00				0.00	0.00	29
30		0.00	0.00				0.00	0.00	30
31		0.00	0.14				T	T	31
TOTAL		7.29	5.45	5.89			5.10	5.71	TOTAL
2013		25.34	23.77	25.68			24.40	22.82	2013

OBSERVERS AND LOCATIONS

Gage	Station ID	Observer	County	Community
25				
26	Whitehall	Andy Brake	Franklin	Whitehall
27	OSU Don Scott Airport 1SE	Linda Myer	Franklin	Columbus
28	London Fish Hatchery	London Fish Hatchery	Madison	Union Township
29				
30				
31	Lithopolis	Randall Solt	Fairfield	Lithopolis
32	Blacklick Woods Golf Course	Kristi Gardner	Fairfield	Reynoldsburg

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OBSV TIME		0800		0700		1800	2300		OBSV TIME
GAGE	33	34	35	36	37	38	39	40	GAGE
SECT	SE	NE		NE		NW	NW	NW	SECT
DATE									DATE
1		0.00		0.30		0.10	0.10		1
2		0.40		0.00		0.00	0.00		2
3		0.00		0.25		0.00	0.00		3
4		0.00		*		0.10	0.10		4
5		0.80		*		0.70	0.60		5
6		0.30		1.20		0.90	1.50		6
7		1.10		0.40		0.00	0.00		7
8		3.30		*		0.40	1.00		8
9		1.60		2.45		0.80	0.30		9
10		1.10		1.30		2.00	0.20		10
11		0.40		0.60		0.00	0.00		11
12		0.00		0.00		0.00	0.00		12
13		0.00		0.00		0.00	0.00		13
14		0.00		0.00		0.00	0.00		14
15		0.00		0.00		0.00	0.00		15
16		0.00		0.00		0.80	0.30		16
17		0.00		0.00		0.00	0.00		17
18		0.00		0.00		0.00	0.00		18
19		0.00		0.00		0.00	0.00		19
20		0.00		0.25		0.70	0.60		20
21		0.90		0.00		0.00	0.00		21
22		0.00		*		1.90	2.70		22
23		1.60		*		0.00	0.00		23
24		0.00		*		0.00	0.00		24
25		0.00		0.25		0.00	0.00		25
26		0.00		0.00		0.00	0.00		26
27		0.00		*		0.50	0.45		27
28		1.30		*		0.00	0.00		28
29		0.00		*		0.00	0.00		29
30		0.00		*		0.00	0.00		30
31		0.20		0.20		0.00	0.00		31
TOTAL	6.65	13.00		7.20		8.90	7.85	4.94	TOTAL
2013	24.93	40.53		27.65		M	M	22.56	2013

OBSERVERS AND LOCATIONS

Gage	Station ID	Observer	County	Community
33	Blacklick Woods	Blacklick Woods	Franklin	Reynoldsburg
34	Delaware 3E	Ted Colflesh	Delaware	Brown Township
35				
36	Sunbury Medical Center	James Jett	Delaware	Sunbury
37				
38	The Market at Mill Run	Bill Kern	Franklin	Columbus
39	Thornapple Country Club 1N	Dick Conrad	Franklin	Norwich Township
40	Darby Dan Airport 1N	Dave Cashell	Franklin	Brown Township

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DAILY PRECIPITATION DATA (in inches) for July 2013

OBSV TIME		2100		1800		1800			OBSV TIME
GAGE	41	42	43	44	45	46	47	48	GAGE
SECT		SW		SE		NE			SECT
DATE									DATE
1		0.70							1
2		0.00							2
3		0.00							3
4		0.10							4
5		0.80							5
6		0.15							6
7		0.00							7
8		0.28							8
9		0.25							9
10		1.00							10
11		0.00							11
12		0.00							12
13		0.00							13
14		0.00							14
15		0.00							15
16		0.90							16
17		T							17
18		0.00							18
19		T							19
20		0.10							20
21		0.00							21
22		2.70							22
23		T							23
24		0.00							24
25		0.00							25
26		0.00							26
27		0.38							27
28		0.00							28
29		0.00							29
30		0.00							30
31		T							31
TOTAL		7.36							TOTAL
2013		22.67				M			2013

OBSERVERS AND LOCATIONS

Gage	Station ID	Observer	County	Community
41				
42	Bolton Field Airport 2NNE	Rev. Larry E. Sparks	Franklin	Columbus
43				
44	Carroll 2SW	Tom Sibbalds	Fairfield	Bloom Township
45				
46	Newark Court House 1NE	Michael Hammond	Licking	Newark
47				
48				

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DAILY PRECIPITATION DATA (in inches) for July 2013

OBSV TIME	1900	1930						0730	OBSV TIME
GAGE	49	50	51	52	53	54	55	56	GAGE
SECT	SW	NE						SE	SECT
DATE									DATE
1	0.00	0.00						0.35	1
2	0.30	0.05						0.01	2
3	0.00	0.00						0.00	3
4	0.00	*						*	4
5	*	1.10						*	5
6	*	0.03						*	6
7	0.90	0.00						*	7
8	*	0.75						1.35	8
9	1.70	0.65						0.65	9
10	0.40	0.00						0.52	10
11	0.00	0.00						0.40	11
12	0.00	0.00						0.00	12
13	*	0.00						0.00	13
14	*	0.00						0.00	14
15	*	0.00						0.00	15
16	*	0.00						0.00	16
17	*	0.00						0.00	17
18	*	0.00						0.00	18
19	*	0.02						0.00	19
20	0.35	0.60						*	20
21	0.00	0.00						*	21
22	1.85	1.90						0.63	22
23	*	0.00						1.74	23
24	0.10	0.00						0.04	24
25	0.00	0.00						0.00	25
26	0.00	0.00						0.00	26
27	0.40	0.35						*	27
28	0.00	0.00						*	28
29	0.00	0.00						*	29
30	0.00	0.00						0.38	30
31	0.00	0.00						0.06	31
TOTAL	6.00	5.45						6.13	TOTAL
2013	26.91	21.36						23.22	2013

OBSERVERS AND LOCATIONS

Gage	Station ID	Observer	County	Community
49	Commercial Point	Trent Branson	Pickaway	Commercial Point
50	Blacklick Woods 2NNE	Richard Tennant	Franklin	Reynoldsburg
51				
52				
53				
54				
55				
56	Reynoldsburg Water Plant	Reynoldsburg Water Plant	Franklin	Reynoldsburg

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OBSV TIME		1900		0700			2400	0630	OBSV TIME
GAGE	57	58	59	60	61	62	63	64	GAGE
SECT		NW		NE			SE	NE	SECT
DATE									DATE
1		0.05		1.26				0.00	1
2		0.00		0.20				0.20	2
3		T		0.00				0.00	3
4		T		*				*	4
5		0.85		*				0.80	5
6		*		*				*	6
7		*		*				*	7
8		*		3.35				2.25	8
9		*		1.65				0.30	9
10		*		0.59				0.50	10
11		*		0.00				T	11
12		*		0.00				0.00	12
13		2.45e		0.00				0.00	13
14		0.00		0.00				0.00	14
15		0.00		0.00				0.00	15
16		0.00		0.00				0.00	16
17		0.00		0.00				0.00	17
18		0.00		0.00				0.00	18
19		0.25		0.24				0.00	19
20		0.75		0.00				*	20
21		*		0.00				*	21
22		1.00		0.00				1.20	22
23		0.00		2.19				1.70	23
24		0.00		0.00				0.00	24
25		0.00		0.00				0.00	25
26		0.00		0.00				0.00	26
27		0.30		0.07				*	27
28		0.00		0.38				*	28
29		0.00		0.00				0.40	29
30		0.00		0.00				0.00	30
31		0.10		0.00				0.00	31
TOTAL		5.75e		9.93				7.35	TOTAL
2013		22.50		30.67			M	28.60	2013

OBSERVERS AND LOCATIONS

Gage	Station ID	Observer	County	Community
57				
58	Worthington 2NW	Mark Vogt	Franklin	Columbus
59				
60	Johnstown 4WNW	Craig Bohning	Licking	Monroe Township
61				
62				
63	Pickerington Elem. School	Brenda VanCleave	Fairfield	Pickerington
64	Worthington	Worthington DPS	Franklin	Worthington

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OBSV TIME	1800	2200					0800	2100	OBSV TIME
GAGE	65	66	67	68	69	70	71	72	GAGE
SECT	NE	SE					NW	SE	SECT
DATE									DATE
1	0.28	0.05					*	0.01	1
2	0.00	0.00					*	T	2
3	0.00	0.01					*	*	3
4	0.00	0.29					*	*	4
5	0.91	1.19					*	1.25	5
6	0.00	0.01					*	0.08	6
7	0.03	0.00					*	T	7
8	0.85	1.59					*	*	8
9	0.30	2.07					2.94j	1.60	9
10	0.11	0.44					1.19	0.30	10
11	0.00	0.00					0.06	0.00	11
12	0.00	0.00					0.00	0.00	12
13	0.00	0.00					0.00	0.00	13
14	0.00	0.00					0.00	0.00	14
15	0.00	0.00					0.00	0.00	15
16	0.00	0.00					0.00	0.00	16
17	0.00	0.00					0.49	0.00	17
18	0.00	0.00					0.00	0.00	18
19	0.16	0.00					0.00	0.00	19
20	0.90	1.01					*	*	20
21	0.00	0.06					*	0.50	21
22	2.45	1.94					*	2.50	22
23	0.00	0.10					*	0.20	23
24	0.00	0.00					*	0.00	24
25	0.00	0.00					*	0.00	25
26	0.00	0.00					1.48	0.00	26
27	0.38	0.30					0.15	0.30	27
28	0.00	0.00					0.30	0.00	28
29	0.00	0.00					0.00	0.00	29
30	0.00	0.00					0.00	0.00	30
31	0.05	0.04					0.05	0.01	31
TOTAL	6.42	9.10					6.66k	6.75	TOTAL
2013	23.51	30.18					23.00	27.11	2013

OBSERVERS AND LOCATIONS

Gage	Station ID	Observer	County	Community
65	Kenney Park 1E	Dan Landis	Franklin	Beechwood/Columbus
66	Sycamore Creek Park 1SW	David Hague	Fairfield	Pickerington
67				
68				
69				
70				
71	Heritage Golf Club	John Fargo	Franklin	Hilliard
72	Turnberry Golf Course	Josh Meyer	Fairfield	Columbus

CENTRAL OHIO RAINGAGE NETWORK

Precipitation Report for July 2013

Prepared by Bob Davis, Kristi Gardner and Dianne Kahal-Berman.

DAILY PRECIPITATION DATA (in inches) for July 2013

OBSV TIME		1430	1800	1700	1800	0530	2100		OBSV TIME
GAGE	73	74	75	76	77	78	79	80	GAGE
SECT		NW	NW	NE	NW	NE	NW		SECT
DATE									DATE
1		0.00	0.03	0.00	T	0.06	0.19		1
2		0.00	0.00	0.00	0.05	0.30	0.01		2
3		0.00	0.00	0.24	T	0.00	0.00		3
4		0.10b	*	0.18	*	0.02	0.09		4
5		0.00	0.63	1.02	0.50	0.49	0.72		5
6		0.15g	0.90	0.50	*	0.19	0.03		6
7		0.00	0.00	0.00	0.60	0.03	0.00		7
8		1.20m	1.80	0.37	0.10	1.27	0.22		8
9		2.74	0.82	1.81	1.70	0.28	0.47		9
10		2.80u	0.44	1.10	0.10	0.49	0.70		10
11		0.50o	0.00	0.00	T	0.12	0.00		11
12		0.00	0.00	0.00	0.00	0.00	0.00		12
13		0.00	0.00	0.00	0.00	0.00	0.00		13
14		0.00	0.00	0.00	0.00	0.00	0.00		14
15		0.00	0.00	0.00	0.00	0.00	0.00		15
16		0.00	0.00	0.00	0.00	0.00	0.00		16
17		0.00	0.00	0.00	0.00	0.00	0.00		17
18		0.00	0.00	0.00	0.00	0.00	0.00		18
19		0.00	0.00	0.00	0.65	0.51	0.00		19
20		1.37	0.67	0.18	0.60	0.08	0.24		20
21		*	0.00	0.00	0.00	1.08	0.00		21
22		*	1.00	1.50	1.10	0.00	3.12		22
23		*	0.05	0.08	T	1.49	0.11		23
24		*	0.00	0.00	0.03	0.23	0.00		24
25		*	0.00	0.00	0.00	*	0.00		25
26		*	0.00	*	0.00	*	0.00		26
27		2.60w	0.40	*	1.25	*	0.43		27
28		0.00	0.00	*	0.00	*	0.00		28
29		0.00	0.00	*	0.00	*	0.00		29
30		0.00	0.00	*	0.00	*	0.00		30
31		0.00	0.05	1.06n	T	*	0.04		31
TOTAL		11.46	6.79	8.04	6.68	6.64+	6.37		TOTAL
2013		M	24.02	27.50	M	M	22.19		2013

OBSERVERS AND LOCATIONS

Gage	Station ID	Observer	County	Community
73				
74	NE Marion	Greg Stevens	Marion	Marion
75	Dublin Muirfield Village 2W	Shirley Eyre	Union	Jerome Township
76	Johnstown 6ENE	Luke Nutter	Licking	Liberty Township
77	Choctaw Lake North	Leslie Rausch	Madison	Somerfield Township
78	New Albany 2NW	Scott Jerzyk	Franklin	Columbus
79	Central Grandview Heights	Vance Nichols	Franklin	Grandview Heights
80				

CENTRAL OHIO RAINGAGE NETWORK

Precipitation Report for July 2013

Prepared by Bob Davis, Kristi Gardner and Dianne Kahal-Berman.

DAILY PRECIPITATION DATA (in inches) for July 2013

OBSV TIME	1900		1700	2400				0700	OBSV TIME
GAGE	81	82	83	84	85	86	87	88	GAGE
SECT	NE		SW	SW				NE	SECT
DATE									DATE
1			0.10	0.06				0.42	1
2			0.00	0.01				0.03	2
3			0.00	0.00				0.03	3
4			0.25	0.51				0.06	4
5			0.65	0.38				0.94	5
6			1.25	0.14				0.28	6
7			0.10	0.00				0.06	7
8			0.15	0.21				0.70	8
9			2.30	0.74				1.55	9
10			1.40	0.06				0.52	10
11			0.03	0.01				1.41	11
12			0.00	0.00				0.01	12
13			0.00	0.00				0.00	13
14			0.00	0.00				0.00	14
15			0.00	0.00				0.00	15
16			0.00	0.00				0.00	16
17			0.00	0.00				0.00	17
18			0.00	0.00				0.00	18
19			0.40	0.00				0.00	19
20			0.35	1.89				0.03	20
21			0.00	0.00				0.70	21
22			0.00	0.35				0.01	22
23			0.00	0.02				1.35	23
24			0.00	0.00				0.10	24
25			0.00	0.00				T	25
26			0.40	0.00				0.00	26
27			0.00	0.46				0.02	27
28			0.00	0.01				0.24	28
29			0.00	0.00				T	29
30			0.10	0.00				0.00	30
31			0.00	0.01				0.00	31
TOTAL			7.48	4.86				8.46	TOTAL
2013	M		26.81	25.72				28.17	2013

OBSERVERS AND LOCATIONS

Gage	Station ID	Observer	County	Community
81	Utica	Craig & Tina Pargeon	Licking	Utica
82				
83	Battelle Darby Creek Metropark	Bill & Jan Porter	Franklin	Prairie Township
84	Sabina 3SE	Ron Rockhold	Fayette	Concord Township
85				
86				
87				
88	St. Albans Golf Course	David Straub	Licking	Alexandria

CENTRAL OHIO RAINGAGE NETWORK

Precipitation Report for July 2013

Prepared by Bob Davis, Kristi Gardner and Dianne Kahal-Berman.

DAILY PRECIPITATION DATA (in inches) for July 2013

OBSV TIME		2400			0800		0700		OBSV TIME
GAGE	89	90	91	92	93	94	95	96	GAGE
SECT	NW	SE			SE		SE		SECT
DATE									DATE
1		0.10			*		T		1
2		T			*		0.04		2
3		0.00			0.30		0.00		3
4		0.15			0.70		0.03		4
5		0.75			1.20		0.90		5
6		T			0.00		0.58		6
7		T			0.00		T		7
8		2.65			0.60		T		8
9		0.75			1.70		0.31		9
10		0.15			0.70		2.03		10
11		0.00			0.10		0.14		11
12		0.00			0.00		0.00		12
13		0.00			0.00		0.00		13
14		0.00			0.00		0.00		14
15		0.00			0.00		0.00		15
16		0.00			0.00		0.00		16
17		0.00			0.00		0.00		17
18		0.00			0.00		0.00		18
19		T			0.00		0.00		19
20		0.75			0.10		0.00		20
21		0.00			0.20		0.19		21
22		0.30			0.05		0.01		22
23		T			0.60		1.00		23
24		0.00			0.00		0.00		24
25		0.00			0.10		0.00		25
26		0.00			0.00		0.00		26
27		0.10			0.00		0.19		27
28		0.00			0.20		0.10		28
29		0.00			0.00		0.00		29
30		0.00			0.00		0.00		30
31		0.10			0.05		0.01		31
TOTAL	7.38	5.80			6.60		5.53		TOTAL
2013	24.25	21.10			27.64		23.49		2013

OBSERVERS AND LOCATIONS

Gage	Station ID	Observer	County	Community
89	Tuttle Crossing Mall 1SW	Jim Sanderson	Franklin	Hilliard
90	Lancaster Municipal Building	Bob Hedges	Fairfield	Lancaster
91				
92				
93	Carroll	Terry Morris, Sr.	Fairfield	Greenfield Township
94				
95	Ashville 2NW	Jud Hines	Pickaway	Harrison Township
96				

CENTRAL OHIO RAINGAGE NETWORK

Precipitation Report for July 2013

Prepared by Bob Davis, Kristi Gardner and Dianne Kahal-Berman.

DAILY PRECIPITATION DATA (in inches) for July 2013

OBSV TIME	0800			0730			NWS Gages		OBSV TIME
GAGE	97	98	99	100	101	102	103-116	117	GAGE
SECT	NE			NE			now on		SECT
DATE							page 19		DATE
1				0.35					1
2				0.00					2
3				T					3
4				0.00					4
5				0.58					5
6				0.18					6
7				0.02					7
8				0.85					8
9				0.55					9
10				0.40					10
11				*					11
12				0.55					12
13				0.00					13
14				0.00					14
15				0.00					15
16				0.00					16
17				0.00					17
18				0.00					18
19				0.20					19
20				0.00					20
21				0.80					21
22				0.00					22
23				2.40					23
24				0.00					24
25				0.00					25
26				0.00					26
27				0.00					27
28				0.37					28
29				0.00					29
30				0.00					30
31				0.02					31
TOTAL				7.27					TOTAL
2013				25.49					2013

OBSERVERS AND LOCATIONS

Gage	Station ID	Observer	County	Community
97	Blendon Woods 2NE	Bill Finn	Franklin	Plain Township
98				
99				
100	Woodside Green Park	Phil Colflesh	Franklin	Gahanna
101				
102				
117				

CENTRAL OHIO RAINGAGE NETWORK

Precipitation Report for July 2013

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DAILY PRECIPITATION DATA (in inches) for July 2013

OBSV TIME			1730	1830				0700	OBSV TIME
GAGE	118	119	120	121	122	123	124	125	GAGE
SECT			NE	NE				NW	SECT
DATE									DATE
1			*	*				0.60	1
2			*	*				0.00	2
3			*	*				0.00	3
4			*	*				T	4
5			*	*				0.70	5
6			0.80	*				0.20	6
7			0.00	*				0.00	7
8			0.70	3.25				0.20	8
9			0.60	1.50				0.50	9
10			0.25	*				0.60	10
11			0.00	*				0.40	11
12			*	*				0.00	12
13			*	*				0.00	13
14			*	*				0.00	14
15			*	*				0.00	15
16			*	*				0.00	16
17			*	*				0.00	17
18			*	*				0.00	18
19			*	*				0.00	19
20			*	*				*	20
21			0.60	*				0.50e	21
22			2.30	*				0.00	22
23			0.00	1.24				*	23
24			0.00	*				2.10e	24
25			0.00	*				0.00	25
26			0.00	*				0.00	26
27			0.30	*				0.00	27
28			0.00	*				0.40	28
29			0.00	*				0.00	29
30			0.00	0.26				0.00	30
31			0.00	0.00				0.00	31
TOTAL			5.55	6.25				6.20e	TOTAL
2013			M	24.98				22.66e	2013

OBSERVERS AND LOCATIONS

Gage	Station ID	Observer	County	Community
118				
119				
120	Whetstone Park of Roses 1SE	Josh Reinicke	Franklin	Clintonville/Columbus
121	Center Village	Jim Truax	Delaware	Harlem Township
122				
123				
124				
125	Northam Park	Linda Menerey	Franklin	Upper Arlington

CENTRAL OHIO RAINGAGE NETWORK

Precipitation Report for July 2013

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DAILY PRECIPITATION DATA (in inches) for July 2013

OBSV TIME				2400	1800				OBSV TIME
GAGE	126	127	128	129	130	131	132	133	GAGE
SECT				NW	NW				SECT
DATE									DATE
1				0.00	0.05				1
2				0.00	0.00				2
3				0.00	0.00				3
4				0.08	0.15				4
5				0.52	0.60				5
6				0.85	T				6
7				0.95	0.55				7
8				0.75	0.35				8
9				0.45	1.10				9
10				0.25	0.10				10
11				0.00	0.00				11
12				0.00	0.00				12
13				0.00	0.00				13
14				0.00	0.00				14
15				0.00	0.00				15
16				0.00	0.00				16
17				0.00	0.30				17
18				0.00	0.00				18
19				0.00	0.00				19
20				0.55	0.30				20
21				0.00	0.00				21
22				0.90	1.30				22
23				0.00	0.00				23
24				0.00	0.00				24
25				0.00	0.00				25
26				0.00	0.00				26
27				0.40	0.70				27
28				0.00	0.00				28
29				0.00	0.00				29
30				0.00	0.00				30
31				0.15	0.05				31
TOTAL				5.85	5.55				TOTAL
2013				22.86	21.45				2013

OBSERVERS AND LOCATIONS

Gage	Station ID	Observer	County	Community
126				
127				
128				
129	O'Shaughnessy Dam 2E	Bern Sroka	Delaware	Powell
130	Heritage Golf Club 1NW	Steve Rath	Franklin	Hilliard
131				
132				
133				

CENTRAL OHIO RAINGAGE NETWORK

Precipitation Report for July 2013

Prepared by Bob Davis, Kristi Gardner and Dianne Kahal-Berman.

OHIO SUPPLEMENTAL GAGES: DAILY PRECIPITATION DATA (in inches) for July 2013

OBSV TIME	0730	2100	0800		2400		0700		OBSV TIME
GAGE	201	202	203	204	205	206	207	208	GAGE
SECT	NE	NW	NW		SE		NE		SECT
DATE									DATE
1	0.00	0.02p	T		1.27		0.05		1
2	1.63	0.06q	1.20		0.03		*		2
3	0.00	0.00	0.00		T		1.10		3
4	0.00	0.00	0.00		0.15		0.05		4
5	0.00	0.00	0.10		0.59		0.60		5
6	0.00	0.31r	0.02		T		0.05		6
7	0.00	1.30	1.00		0.41		T		7
8	0.00	0.55t	0.80		0.84		0.15		8
9	0.00	0.10t	4.00		1.29		1.10		9
10	0.00	1.19t	0.55		0.82		1.30		10
11	0.00	0.00	0.30		T		0.30		11
12	3.62	0.00	0.00		0.04		0.00		12
13	0.00	0.00	0.00		0.00		0.00		13
14	0.00	0.00	0.00		0.00		0.00		14
15	0.00	0.00	0.00		0.00		0.00		15
16	0.00	0.00	0.00		0.03		0.00		16
17	0.00	0.00	0.00		0.00		0.00		17
18	0.00	0.00	0.00		0.00		0.00		18
19	0.00	0.00	0.00		0.14		0.00		19
20	0.00	2.70v	0.00		1.99		*		20
21	0.00	0.00	2.01		0.00		0.70		21
22	0.00	0.26v	0.00		0.33		*		22
23	1.43	0.00	0.20		0.25		1.50		23
24	0.03	0.00	0.00		0.00		0.10		24
25	0.00	0.00	0.00		0.00		0.00		25
26	0.00	0.00	0.00		0.00		0.00		26
27	*	T	1.00		0.12		0.00		27
28	*	0.00	1.40		0.00		0.10		28
29	0.47	0.00	0.00		0.00		0.00		29
30	0.00	0.00	0.00		0.00		*		30
31	*	0.00	0.10		0.06		T		31
TOTAL	7.18+	6.49	12.68		8.36		7.10		TOTAL
2013	M	25.39	M		30.26		25.06		2013

OBSERVERS AND LOCATIONS

Gage	Station ID	Observer	County	Community
201	Broadview Heights	Drew & Mindy Hayes	Cuyahoga	Broadview Heights
202	Bryan	Jeff Wetmore	Williams	Bryan
203	Upper Sandusky	Rob and Carol McClure	Wyandot	Upper Sandusky
204				
205	Rockbridge 4W	Jim Fry	Hocking	Good Hope Township
206				
207	Dresden 2NW	Amy Crawford	Muskingum	Cass Township
208				

CENTRAL OHIO RAINGAGE NETWORK

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OHIO SUPPLEMENTAL GAGES: DAILY PRECIPITATION DATA (in inches) for July 2013

OBSV TIME		1900			0700				OBSV TIME
GAGE	209	210	211	212	213	214	215	216	GAGE
SECT		SE			NE				SECT
DATE									DATE
1					0.20				1
2					1.10				2
3					0.20				3
4					*				4
5					*				5
6					*				6
7					1.10				7
8					0.20				8
9					1.50				9
10					1.40				10
11					0.60				11
12					0.00				12
13					0.00				13
14					0.00				14
15					0.00				15
16					0.00				16
17					0.00				17
18					0.00				18
19					0.00				19
20					0.00				20
21					0.95				21
22					0.00				22
23					0.75				23
24					0.00				24
25					0.00				25
26					0.00				26
27					T				27
28					0.35				28
29					0.00				29
30					0.00				30
31					T				31
TOTAL					8.35				TOTAL
2013		M			30.50				2013

OBSERVERS AND LOCATIONS

Gage	Station ID	Observer	County	Community
209				
210	Glouster 4ENE	David McCoy	Morgan	Homer Township
211				
212				
213	Apple Valley Lake	Eric Morris	Knox	Howard Township
214				
215				
216				

CENTRAL OHIO RAINGAGE NETWORK

Precipitation Report for July 2013

Prepared by Bob Davis, Kristi Gardner and Dianne Kahal-Berman.

OUT-OF-STATE GAGES: DAILY PRECIPITATION DATA (in inches) for July 2013

OBSV TIME	2400		2000	0930					OBSV TIME
GAGE	301	302	303	304	305	306	307	308	GAGE
DATE									DATE
1	0.04		0.00						1
2	0.08		0.07						2
3	0.28		0.00						3
4	0.87		0.00						4
5	0.00		0.00						5
6	0.04		0.21						6
7	0.00		0.03						7
8	0.08		1.10						8
9	0.00		0.00						9
10	0.00		0.05						10
11	0.08		0.00						11
12	0.13		0.00						12
13	1.73		0.00						13
14	0.00		0.00						14
15	0.12		0.57						15
16	0.08		0.00						16
17	0.00		0.00						17
18	0.00		0.00						18
19	1.06		0.00						19
20	1.22		0.00						20
21	0.00		0.00						21
22	0.43		0.00						22
23	0.28		0.00						23
24	0.59		0.00						24
25	0.04		*						25
26	0.00		*						26
27	0.00		*						27
28	1.18		0.36						28
29	0.00		T						29
30	0.00		0.68						30
31	1.34		0.00						31
TOTAL	9.67		3.07						TOTAL
2013	26.17		23.17	M					2013

OBSERVERS AND LOCATIONS

Gage	Station ID	Observer	County	Community
301	The Villages	Bob Long		The Villages, Florida
302				
303	Holly	Emily Davis/Justin Cassar		Holly, Michigan
304	Bradenton	Glenn Hayes		Bradenton, Florida
305				
306				
307				
308				

CENTRAL OHIO RAINGAGE NETWORK

Precipitation Report for July 2013

Prepared by Bob Davis, Kristi Gardner and Dianne Kahal-Berman.

NATIONAL WEATHER SERVICE COOPERATIVE OBSERVER STATIONS – Available Precipitation Totals for July 2013

Gage	Station I.D.	County	Monthly Total (in.)	Annual Total (in.)	Gage	Station I.D.	County	Monthly Total (in.)	Annual Total (in.)
103					110	Marysville	Union	6.03	23.14
104	Circleville	Pickaway	3.21	21.68	111	Mt. Gilead	Morrow		M
105	Lancaster 2NW	Fairfield		M					
106	Columbus Valley Crossing	Franklin		M	113	Marion 2N	Marion	13.40	34.36
107	Buckeye Lake 1N	Licking	6.39	23.89					
108	Newark Water Works	Licking	6.40	27.26	115	WCMH-TV	Franklin		M
					116	Washington Court House	Fayette	4.16	M

ABBREVIATIONS AND NOTES

T	Trace, an amount too small to measure	a	Reading taken @ 8:00 p.m.
M	Missed reading; no data available	b	Reading taken @ 8:30 p.m.
*	Missed reading; amount included in following measurement	c	Reading taken @ 8:10 p.m.
e	Estimated amount, based on data from nearby gauges	d	Reading taken @ 6:30 p.m.
?	Questionable value, based on data from nearby gauges	f	Reading taken @ 6:10 p.m.
NW	Northwest sector of network	g	Reading taken @ 4:40 p.m.
NE	Northeast sector of network	h	Reading taken @ 11:30 p.m.
SE	Southeast sector of network	j	From June 29 thru July 9th
SW	Southwest sector of network	k	Accumulated total June 29 thru July 31st
SECT	Geographic sector of network, based on direction of gauge from U.S. Route 23 (or Rt. 4 north of Marion), and U.S. Route 40.	m	Reading taken at 9:30 p.m.
		n	Read on August 3 rd
		o	Reading taken at 2:30 p.m.
NWS	National Weather Service	p	Reading taken @ 6:00 p.m.
s	Estimated amount of water equivalent from a measured amount of snowfall.	q	Reading taken @ 11:00 a.m.
		r	Reading taken @ 7:00 p.m.
		t	Reading taken @ 10:00 p.m.
		u	Reading taken @ 1:00 p.m.
		v	Reading taken @ 5:00 p.m.
		w	Reading taken at 3:30 p.m.

Notes:

- Volunteers who report daily precipitation totals submit their data directly to Bob Davis or Kristi Gardner (CORN). Data for gages with monthly totals only have been obtained from Scott Kirk at ODNR / Division of Soil and Water Resources.
- Daily precipitation measurements shown on previous pages are typically taken from plastic rain gauges of at least 5-inch capacity.
- “Station I.D.” nomenclature is adapted from National Weather Service (NWS) procedure for naming Cooperative Observer stations. The station is identified either by the nearest community or well-known landmark, along with a distance in miles, and direction from that community or landmark, if it exceeds approximately 1 mile. For example, Marion 2N represents a site that is approximately 2 miles north of the City of Marion. If no distance or direction is included with the station I.D., the station is located within the community, or less than 1 mile from the identified landmark.
- Gage ID numbers from 201-216 and 301-308 represent volunteers whose gages are located outside of the 10-county area officially designated by the NWS as the “Central Ohio” climatic section. The “Central Ohio” area consists of Marion, Morrow, Union, Delaware, Licking, Madison, Franklin, Fairfield, Fayette and Pickaway Counties.
- The CORN logo used on data recording sheet pads and CORN merchandise was designed by Steve Davies and digitized by Mike Moore.
- Copies of past CORN reports can be obtained from the CORN website, www.centralohiorain.com.
- ADDITIONS → Information received after publication of the June report:
 Gage #12: June precip. = 4.09” Gage #76: June precip. = 5.40” Gage #105: June precip. = 4.86”
 Gage #113: June precip. = 6.69” Gage #115: June precip. = 5.81” Gage #201: June precip. = 7.83”
- Data for Gages 12, 46, 63, 81, 105, 106, 111, 115 and 210 were not available at the time of publication.

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The Central Ohio Raingage Network (CORN) is a group of volunteer precipitation observers. The following organizations have recruited representative members: EMH&T; Ohio Department of Natural Resources (ODNR); DLZ, Ohio, Inc., and U.S. Geological Survey/Water Resources Division.

CENTRAL OHIO RAINGAGE NETWORK

Precipitation Report for July 2013

Prepared by Bob Davis, Kristi Gardner and Dianne Kahal-Berman.

SUMMARY INFORMATION for July 2013

PRECIPITATION FOR MONTH:	PRECIPITATION FOR CALENDAR YEAR:
Overall Central Ohio precipitation: Averaged above normal over all 4 sectors of network.	Overall Central Ohio precipitation: Averaging slightly above normal over the NE sector, and near normal over the other 3 sectors.
Range of monthly precipitation totals in Central Ohio: Low: 3.21" @ Circleville (Pickaway Co.) High: 13.40" @ Marion 2N (Marion Co.); 13.00" @ Delaware 3E (Delaware Co.)	Range of annual precipitation totals in Central Ohio: Low: 21.10" @ Lancaster Municipal Building (Fairfield Co.) High: 40.53" @ Delaware 3E (Delaware Co.)
Significant precipitation totals outside Central Ohio area: In Ohio: 12.68" @ Upper Sandusky (Wyandot Co.) In other States: 9.67" @ The Villages, Florida	Significant precipitation totals outside Central Ohio area: In Ohio: N/A In other States: N/A

Central Ohio Sector Data	Average Precipitation for Month	Average Precipitation for Year
	(in.)	(in.)
NW Sector	7.04	23.94
NE Sector	7.53	26.70
SE Sector	6.43	25.09
SW Sector	5.49	24.71
Overall 4-sector	6.62	25.11
Normal precipitation at Port Columbus	4.79	24.37

Central Ohio Significant Storm Information for Month:

July 4-10: Scattered showers and thunderstorms, some with torrential rainfall and/or damaging winds, occurred daily within portions of the Central Ohio area over a 7-day period. The heaviest rains generally occurred on July 8-9, and the severe storms with damaging winds were most prevalent on July 10. Total rainfall for the 7 days in Central Ohio ranged from about 1.6 inches in northwestern Franklin County to 8.6 inches just east of the City of Delaware. The heaviest amounts (over 5 inches) were generally reported by our volunteers in Delaware, Marion and northern Licking Counties. Thunderstorms with powerful winds, up to about 70 miles per hour, knocked down trees and power lines, and damaged a number of buildings in Central Ohio on July 10.

July 22: Heavy downpours during mid-to-late morning on July 22 prompted flash flood warnings over portions of the Central Ohio area. Many of our volunteers reported between 1.5 and 3.2 inches of rain during about a 2-hour period. The heaviest rains fell mainly in a band from the west side of Columbus through Grandview Heights, Upper Arlington, Clintonville and Gahanna in Franklin County. It was the wettest July 22 on record at Port Columbus, with 2.31 inches of rainfall reported there.

Miscellaneous: Since O'Shaughnessy Reservoir pool level does not vary much from month to month (due to the large size of the Scioto River watershed at that point, and the large spillway capacity at the dam itself), we have replaced O'Shaughnessy Reservoir pool level data this month with Delaware Lake pool data, on a trial basis. It should be noted that the pool level at Delaware Lake dam may change significantly from day to day, and month to month, due to its principal use as a flood control structure.

Central Ohio Reservoir and Drought Information	Delaware Lake Pool Elevation	Hoover Reservoir Pool Elevation	Alum Creek Lake Pool Elevation	Central Ohio Palmer Drought Severity Index (PDSI)
	(Ft.)	(Ft.)	(Ft.)	
End of this month	915.35	893.05	888.18	0.0 [near normal]
End of last month	918.07	892.54	888.76	(-) 1.0 [mild drought]
Change	(-) 2.72	(+) 0.51	(-) 0.58	(+) 1.0