

MESONET CLIMATOLOGICAL DATA SUMMARY (STIL) Stillwater Latitude: 36-07-15										September 2012 Nearest City: 2.0 W Stillwater Longitude: 97-05-42				Time Zone: Midnight-Midnight CST County: Payne Elevation: 892 feet							
DAY	TEMPERATURE (F) MAX MIN AVG DEWPT				DEG DAYS HDD CDD		HUMIDITY (%) MAX MIN AVG			RAIN (in)	PRESSURE (in) STN MSL		WIND SPEED (mph) DIR AVG MAX			SOLAR (MJ/m2)	4" SOIL TEMPERATURES SOD BARE MAX MIN				
1	99	69	82.8	63.0	0	19	91	22	57	0.00	29.00	29.95	W	3.2	17.2	23.77	80.0	85.3	94	78	
2	103	68	86.3	61.5	0	20	90	18	49	0.00	28.94	29.89	S	4.1	17.1	24.10	81.0	86.7	95	79	
3	105	74	90.1	61.9	0	24	73	20	42	0.00	28.90	29.86	SSW	4.7	20.4	23.68	82.2	88.3	96	81	
4	104	71	89.3	60.9	0	22	80	22	42	0.00	28.89	29.84	SSE	3.8	29.0	22.62	83.1	89.0	96	82	
5	101*	75*	87.5*	62.7*	0*	23*	72*	26*	46*	0.00*	28.88*	29.83*	SSE*	4.3*	21.8*	NA	84.0*	89.9*	97*	83*	
6	97	76	85.3	61.5	0	21	66	28	47	0.00	28.93	29.88	N	4.6	14.5	17.20	83.7	88.6	94	84	
7	100	63	78.0	61.9	0	16	92	28	61	0.01	28.93	29.89	N	8.5	44.7	17.45	82.5	86.2	93	81	
8	84	53	67.2	46.3	0	3	93	19	54	0.00	29.18	30.14	N	5.7	25.1	25.01	79.2*	80.5*	87*	75*	
9	92	50	71.6	43.3	0	6	90	15	45	0.00	29.14	30.10	NE	4.5	17.6	24.56	77.7	79.5	88	71	
10	93	52	73.1	46.7	0	7	87	14	46	0.00	29.10	30.06	SE	3.9	15.0	24.39	78.1*	80.3*	88*	73*	
11	94*	58*	77.1*	47.3*	0*	11*	70*	17*	39*	0.00*	29.04*	29.99*	SSE*	7.7*	27.7*	23.58*	77.8*	80.0*	87*	73*	
12	93	67	80.1	55.8	0	15	62	30	45	0.00	29.03	29.98	SSE	9.3	28.3	22.78	78.8	81.4	88	75	
13	76	58	64.4	56.0	0	2	95	48	76	0.36	29.22	30.18	N	9.9	25.4	8.58	76.8	76.5	81	70	
14	61	56	58.3	55.9	7	0	97	81	92	0.35	29.30	30.26	NNE	9.0	19.9	3.63	70.7	66.7	70	66	
15	68	60	63.5	60.2	1	0	97	76	89	0.00	29.20	30.16	N	2.9	8.7	5.16	70.2	67.6	71	65	
16	75	64	68.2	61.0	0	4	94	58	79	0.00	29.07	30.02	SSE	2.3	9.9	10.34	72.0	70.6	75	67	
17	83	58	69.1	59.4	0	6	98	38	75	0.01	28.95	29.91	N	4.6	27.3	19.74	73.0	72.1	79	65	
18	77	51	64.6	46.3	1	0	89	26	56	0.00	29.12	30.08	N	4.6	22.7	22.76	72.5	72.3	81	64	
19	87	56	72.3	46.8	0	7	64	26	43	0.00	29.05	30.00	S	8.4	26.8	22.14	71.3	72.8	81	64	
20	89	59	74.7	53.7	0	9	81	30	51	0.00	29.00	29.95	E	4.4	15.2	20.61	73.0	76.3	85	68	
21	94	58	74.5	53.5	0	11	95	16	56	0.00	28.96	29.91	NNE	4.1	17.0	21.08	74.0	77.7	86	70	
22	88	53	71.1	44.2	0	5	90	19	45	0.00	29.13	30.09	NE	7.3	21.6	21.04	73.4	76.3	84	69	
23	82	56	68.9	43.7	0	4	57	30	41	0.00	29.21	30.17	E	10.0	21.9	18.86	72.9	74.9	82	69	
24	92	63	77.3	53.6	0	13	72	25	47	0.00	29.01	29.96	S	9.8	28.5	15.87	73.5	76.0	82	70	
25	95	77	84.7	55.8	0	21	55	11	38	0.00	28.86	29.82	SSW	13.0	50.2	19.66	75.7	80.0	87	75	
26	86	67	75.5	60.5	0	11	92	41	61	0.05	28.99	29.95	E	7.6	35.4	9.87	75.9	78.4	82	75	
27	74	64	67.8	63.7	0	4	97	65	87	0.27	29.14	30.09	SSE	4.0	13.9	9.19	74.5	73.8	77	71	
28	81	59	69.9	63.6	0	5	98	52	82	0.02	29.11	30.07	E	2.9	14.3	13.61	73.6	72.9	79	67	
29	73	66	69.2	63.7	0	4	93	73	83	0.00	29.07	30.02	NE	6.2	13.7	5.50	73.2	71.7	74	70	
30	78	55	66.4	53.3	0	1	93	32	66	0.03	28.98	29.93	NNE	4.4	14.3	13.41	72.1	71.2	77	67	
	87*	62*	74.3*	55.6*	<- Monthly Averages ->						29.04*	30.00*	N	*	6.0*	50.2*	17.59*	76.2*	78.1*	85*	72*
Temperature - Highest: 105* Lowest: 50*							Degree Days - Total HDD: 9* Total CDD: 296*					Number of Days With: Tmax ≥ 90: 14* Rainfall ≥ 0.01 inch: 8* Tmax ≤ 32: 0* Rainfall ≥ 0.10 inch: 3* Tmin ≤ 32: 0* Avg Wind Speed ≥ 10 mph: 2* Tmin ≤ 0: 0* Max Wind Speed ≥ 30 mph: 3*									
Rainfall: Monthly Total: 1.10* in. Greatest 24 Hr: 0.36* in.							Humidity - Highest: 98* Lowest: 11*														