

Factual Report – Attachment 8

Raw FWB and BBG OMO datasets with timestamps between 1800 and 2000 CDT on July 19, 2018, and data from the Branson, Missouri, Fire Department weather stations.

METEOROLOGY

DCA18MM028

*Submitted by: Mike Richards
NTSB, AS-30*

KFWB 200 2300 150/ 4 10+ -RA CLR 32/ 23 60 2988 3600 434 DNW
KFWB 200 2301 140/ 4 10+ -RA CLR 32/ 23 59 2988 3600 434 NW
KFWB 200 2302 140/ 3 10+ -RA CLR 32/ 23 58 2988 3600 434 NW
KFWB 200 2303 130/ 3 10+ -RA CLR 32/ 23 58 2988 3600 434 NW
KFWB 200 2304 000/00 10+ -RA CLR 32/ 23 58 2988 3600 434 DN AND NW
KFWB 200 2305 130/ 3 10+ VCTS -RA CLR 32/ 23 59 2988 3600 434 N AND NW
KFWB 200 2306 130/ 3 10+ VCTS -RA CLR 32/ 23 60 2988 3600 434 DN AND NW
KFWB 200 2307 130/ 3 10+ VCTS -RA CLR 32/ 23 61 2988 3600 434 DN AND NW
KFWB 200 2308 000/00 10+ VCTS -RA CLR 32/ 23 61 2988 3600 434 DN AND NW
KFWB 200 2309 000/00 10+ VCTS -RA CLR 32/ 23 62 2988 3600 434 N AND NW
KFWB 200 2310 000/00 10+ VCTS -RA CLR 32/ 23 62 2988 3600 434 DN AND NW
KFWB 200 2311 000/00 10+ VCTS -RA CLR 32/ 23 62 2989 3600 434 N AND NW
KFWB 200 2312 000/00 10+ VCTS -RA CLR 32/ 23 61 2989 3600 434 N AND NW
KFWB 200 2313 000/00 10+ VCTS -RA CLR 32/ 23 60 2989 3600 434 DN AND NW
KFWB 200 2314 000/00 10+ VCTS -RA CLR 32/ 23 60 2989 3600 434 DN AND NW
KFWB 200 2315 000/00 10+ VCTS CLR 32/ 23 59 2989 3600 434 DN AND NW
KFWB 200 2316 000/00 10+ VCTS CLR 32/ 23 59 2989 3600 434 DN AND NW
KFWB 200 2317 000/00 10+ VCTS CLR 32/ 23 60 2989 3600 434 DN AND NW
KFWB 200 2318 010/ 3 10+ VCTS CLR 32/ 23 61 2990 3600 434 N AND NW
KFWB 200 2319 360/ 3 10+ VCTS CLR 32/ 24 62 2990 3600 434 DNW
KFWB 200 2320 360/ 3 10+ VCTS CLR 32/ 24 63 2990 3600 434 NW
KFWB 200 2321 350/ 3 10+ VCTS CLR 32/ 24 64 2990 3600 434 DNW
KFWB 200 2322 350/ 3 10+ VCTS CLR 32/ 24 65 2990 3600 434 DNW
KFWB 200 2323 000/00 10+ VCTS CLR 32/ 24 65 2991 3600 434 DNW
KFWB 200 2324 000/00 10+ VCTS CLR 32/ 24 64 2990 3600 434 DNW
KFWB 200 2325 000/00 10+ VCTS CLR 32/ 24 64 2990 3600 434 NW
KFWB 200 2326 000/00 10+ VCTS CLR 32/ 24 64 2991 3600 434 NW
KFWB 200 2327 000/00 10+ VCTS CLR 32/ 24 64 2991 3600 434 DNW
KFWB 200 2328 000/00 10+ VCTS CLR 32/ 24 64 2991 3600 434 DNW
KFWB 200 2329 000/00 10+ VCTS CLR 32/ 24 65 2991 3600 434 DNW
KFWB 200 2330 020/ 3 10+ VCTS CLR 32/ 24 66 2991 3600 434 DW AND NW
KFWB 200 2331 020/ 3 10+ VCTS CLR 32/ 24 68 2991 3600 434 DW AND NW
KFWB 200 2332 010/ 3 10+ VCTS CLR 31/ 25 69 2991 3500 434 W AND NW
KFWB 200 2333 010/ 4 10+ VCTS CLR 31/ 25 71 2990 3500 434 DW AND NW
KFWB 200 2334 010/ 4 10+ VCTS CLR 31/ 25 72 2990 3500 434 DW AND NW
KFWB 200 2335 030/ 3 10+ VCTS CLR 30/ 25 72 2990 3400 434 DW AND NW
KFWB 200 2336 040/ 3 10+ VCTS CLR 30/ 25 72 2990 3400 434 W AND NW
KFWB 200 2337 040/ 3 10 VCTS CLR 30/ 25 73 2990 3400 434 DW AND NW
KFWB 200 2338 020/ 4 10 VCTS CLR 30/ 25 72 2990 3400 434 DW AND NW
KFWB 200 2339 010/ 8 9 VCTS CLR 30/ 25 72 2990 3400 434 W AND NW
KFWB 200 2340 360/ 13G 22 9 VCTS CLR 30/ 25 72 2991 3400 434 DW AND NW
KFWB 200 2341 360/ 23G 37 9 VCTS CLR 30/ 24 72 2993 3400 434 DW AND NW
KFWB 200 2342 010/ 27G 37 9 VCTS FEW120 30/ 24 71 2994 3400 434 DW-N
KFWB 200 2343 360/ 25G 37 9 VCTS FEW120 30/ 23 68 2995 3400 434 DW-NE
KFWB 200 2344 360/ 30G 49 9 VCTS FEW120 30/ 23 65 2996 3400 340V 40 434 DW-NE
KFWB 200 2345 360/ 31G 49 8 VCTS FEW055 FEW120 29/ 21 61 2996 3200 340V 40 434 W-NE
KFWB 200 2346 350/ 25G 49 8 VCTS FEW055 FEW120 29/ 20 56 2996 3200 330V 40 434 DW-NE
KFWB 200 2347 340/ 27G 49 8 VCTS FEW055 SCT120 29/ 19 54 2997 3200 310V 20 434 DW-NE
KFWB 200 2348 340/ 27G 49 8 VCTS FEW055 SCT120 28/ 18 52 2997 3100 310V 20 434 W-NE
KFWB 200 2349 350/ 25G 49 8 VCTS SCT055 SCT120 28/ 17 51 2998 3100 310V 30 434 DW-NE
KFWB 200 2350 340/ 25G 49 8 VCTS SCT055 SCT120 28/ 17 51 3000 3100 310V 30 434 DW-NE
KFWB 200 2351 350/ 20G 49 7 VCTS SCT055 SCT065 SCT120 28/ 17 52 3001 3100 310V 10 434 DW-NE
KFWB 200 2352 340/ 18G 49 7 VCTS SCT055 SCT065 27/ 17 52 3000 2900 320V 30 434 DW-NE
KFWB 200 2353 330/ 21G 49 7 TS SCT055 BKN065 27/ 17 53 3000 2900 310V 30 434 DW-NE
KFWB 200 2354 340/ 25G 49 7 TS SCT055 BKN065 27/ 17 54 3000 2900 434 DW-NE
KFWB 200 2355 350/ 27G 45 7 TS SCT055 BKN065 27/ 17 55 3000 2900 434 DALQDS
KFWB 200 2356 350/ 27G 40 6 TS HZ SCT055 BKN065 26/ 17 56 3000 2800 434 DALQDS
KFWB 200 2357 360/ 28G 40 5 TS HZ SCT055 BKN065 26/ 17 58 3000 2800 434 ALQDS
KFWB 200 2358 350/ 28G 40 5 TS HZ SCT055 BKN065 25/ 17 61 3000 2800 434 D ALQDS
KFWB 200 2359 350/ 26G 40 4 TS HZ SCT055 BKN065 25/ 18 64 2999 2800 434 N
KFWB 201 0000 350/ 23G 40 3 TS HZ SCT055 BKN065 24/ 18 68 2999 2600 434 N
KFWB 201 0001 360/ 23G 40 3 TS HZ SCT055 BKN065 24/ 18 72 2999 2600 434 N
KFWB 201 0002 360/ 23G 40 2-1/2 TS HZ SCT055 BKN065 23/ 19 76 2998 2500 435 N
KFWB 201 0003 010/ 20G 40 2 TS HZ SCT041 BKN055 OVC065 23/ 19 79 2998 2500 435 N
KFWB 201 0004 010/ 20G 40 1-3/4 TS HZ SCT046 BKN055 OVC075 23/ 19 82 2998 2500 435 N
KFWB 201 0005 010/ 18G 40 1-1/2 TS HZ SCT046 BKN055 OVC075 22/ 19 84 2997 2400 435 N
KFWB 201 0006 020/ 16G 40 1-1/2 TS BR SCT046 BKN055 OVC075 22/ 19 86 2997 2400 435 N
KFWB 201 0007 020/ 15G 40 1-1/4 TS BR BKN046 BKN055 OVC075 22/ 19 88 2997 2400 435 N
KFWB 201 0008 020/ 15G 40 1-1/4 VCTS BR SCT040 OVC055 21/ 19 89 2997 435 N
KFWB 201 0009 020/ 16G 32 1-1/2 VCTS BR SCT040 OVC055 21/ 19 90 2996 435 N

KFWB 201 0010 030/ 15G 31 1-1/2 VCTS BR SCT040 OVC055 21/ 19 91 2996 435 N
KFWB 201 0011 030/ 14G 31 1-1/2 VCTS -RA SCT040 OVC055 21/ 19 91 2995 435 N
KFWB 201 0012 030/ 12G 27 1-3/4 VCTS RA SCT040 OVC055 20/ 19 91 2995 436 N
KFWB 201 0013 020/ 11G 27 2 VCTS RA SCT040 OVC055 20/ 19 91 2995 436 N
KFWB 201 0014 010/ 10G 27 2-1/2 VCTS RA FEW040 BKN055 OVC070 20/ 19 91 2995 436 N
KFWB 201 0015 010/ 9G 27 3 VCTS RA FEW040 BKN055 OVC070 20/ 19 91 2995 436 N
KFWB 201 0016 020/ 9G 23 3 VCTS -RA FEW040 BKN055 OVC070 20/ 19 91 2995 436 N ALQDS
KFWB 201 0017 030/ 8G 23 4 VCTS -RA FEW040 BKN055 OVC095 20/ 19 90 2994 350V 50 436 N ALQDS
KFWB 201 0018 030/ 7G 23 5 VCTS -RA FEW040 BKN055 OVC095 20/ 19 89 2994 436 N ALQDS
KFWB 201 0019 060/ 5G 23 5 VCTS -RA FEW040 BKN055 OVC095 20/ 19 89 2993 437 N ALQDS
KFWB 201 0020 130/ 4G 23 5 VCTS -RA FEW040 BKN055 OVC095 20/ 19 89 2993 437 D ALQDS
KFWB 201 0021 180/ 5G 16 7 VCTS -RA FEW040 BKN055 OVC095 20/ 19 89 2992 437 D ALQDS
KFWB 201 0022 210/ 4G 16 7 VCTS -RA FEW040 BKN055 OVC095 20/ 19 90 2992 437 D ALQDS
KFWB 201 0023 000/00 8 VCTS -RA FEW040 BKN055 OVC095 20/ 19 92 2992 437 D ALQDS
KFWB 201 0024 220/ 3G 15 9 VCTS -RA FEW040 BKN055 OVC095 20/ 19 93 2993 437 D ALQDS
KFWB 201 0025 220/ 4 10 VCTS -RA FEW040 BKN055 OVC095 20/ 19 94 2993 437 D ALQDS
KFWB 201 0026 220/ 4 10 VCTS -RA FEW040 BKN055 BKN075 20/ 19 95 2993 437 D ALQDS
KFWB 201 0027 210/ 5 10 VCTS FEW040 BKN055 BKN075 20/ 19 95 2992 437 D E-SW
KFWB 201 0028 200/ 5 10 VCTS FEW040 BKN055 BKN075 20/ 19 94 2992 437 D E-S
KFWB 201 0029 200/ 5 10 VCTS FEW040 BKN055 BKN075 20/ 19 94 2991 437 D E-S
KFWB 201 0030 190/ 5 10 VCTS FEW040 SCT055 BKN075 20/ 19 94 2990 437 D E-S
KFWB 201 0031 180/ 5 10 VCTS FEW040 SCT055 BKN075 20/ 19 94 2990 437 D E-S
KFWB 201 0032 170/ 5 10 VCTS FEW040 SCT055 BKN075 20/ 19 95 2990 437 D E-S
KFWB 201 0033 160/ 5 9 VCTS FEW040 SCT055 BKN100 20/ 19 96 2989 437 D E-S
KFWB 201 0034 140/ 4 9 VCTS FEW040 SCT055 BKN100 20/ 20 97 2989 437 D E-S
KFWB 201 0035 120/ 4 9 VCTS FEW040 SCT075 BKN100 20/ 20 98 2989 437 D E-S
KFWB 201 0036 110/ 3 10 VCTS FEW040 FEW055 SCT075 20/ 20 99 2989 437 D E-S
KFWB 201 0037 000/00 10 VCTS FEW040 FEW055 SCT075 20/ 20 99 2990 437 D E-S
KFWB 201 0038 000/00 10 VCTS FEW055 FEW075 SCT100 20/ 20 99 2990 437 D E-S
KFWB 201 0039 000/00 9 VCTS FEW055 FEW075 SCT100 20/ 20 99 2990 437 D E-S
KFWB 201 0040 060/ 3 9 VCTS FEW055 FEW075 SCT100 20/ 20 100 2991 437 D E-S
KFWB 201 0041 070/ 3 9 VCTS FEW055 FEW075 SCT100 20/ 20 100 2991 437 D E-S
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KFWB 201 0046 090/ 4 10 FEW055 20/ 19 95 2992 437 D E-S
KFWB 201 0047 110/ 4 10 FEW055 20/ 19 94 2992 437 D E-S
KFWB 201 0048 120/ 3 10 FEW055 20/ 19 94 2992 437 D E-S
KFWB 201 0049 000/00 10+ FEW055 20/ 19 94 2992 437 D E-S
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KFWB 201 0052 140/ 3 10+ CLR 20/ 20 97 2992 437 D SE AND S
KFWB 201 0053 140/ 3 10+ CLR 20/ 20 97 2992 437 D SE AND S
KFWB 201 0054 170/ 3 10+ CLR 20/ 20 97 2992 437 D SE AND S
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KFWB 201 0100 000/00 10+ CLR 20/ 20 95 2992 437 D
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KBBG 200 2303 120/ 4 10+ CLR 34/ 21 45 2989 3800 023 D NW
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KBBG 200 2305 090/ 5 10+ CLR 34/ 21 45 2988 3800 023 D NW
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KBBG 200 2314 000/00 10+ CLR 34/ 21 46 2988 3800 023 D NW
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KBBG 200 2318 080/ 3 10+ CLR 34/ 21 46 2988 3800 023 D NW

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KBBG 200 2340 110/ 3 10+ CLR 33/ 21 50 2989 3700 023 D NW
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KBBG 200 2342 000/00 10+ VCTS CLR 33/ 21 51 2989 3700 023 D NW
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KBBG 200 2349 000/00 10+ VCTS CLR 33/ 22 52 2989 3700 023 D W AND NW
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KBBG 200 2357 000/00 9 VCTS CLR 32/ 22 55 2988 3500 023 D W AND NW
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KBBG 200 2359 000/00 9 VCTS CLR 32/ 22 55 2989 3500 023 D W-NE
KBBG 201 0000 000/00 9 VCTS CLR 32/ 22 55 2989 3500 023 D W-NE
KBBG 201 0001 000/00 9 VCTS CLR 32/ 22 55 2990 3500 023 D W-NE
KBBG 201 0002 000/00 9 VCTS CLR 32/ 22 55 2990 3500 023 D W-NE
KBBG 201 0003 360/ 4 9 VCTS CLR 32/ 22 56 2991 3500 023 D W-NE
KBBG 201 0004 350/ 7 10 VCTS CLR 32/ 22 56 2992 3500 023 D W-NE
KBBG 201 0005 350/ 10G 16 10+ VCTS CLR 32/ 22 56 2993 3500 023 D W-NE
KBBG 201 0006 340/ 13G 21 10 VCTS CLR 32/ 22 57 2994 3500 023 D W-NE
KBBG 201 0007 350/ 19G 35 10 VCTS CLR 32/ 22 57 2995 3500 023 D W-NE
KBBG 201 0008 350/ 26G 35 9 VCTS FEW065 32/ 22 56 2996 3500 023 D W-NE
KBBG 201 0009 350/ 30G 36 9 VCTS FEW065 32/ 21 54 2997 3400 023 D W-NE
KBBG 201 0010 340/ 35G 43 8 VCTS FEW065 32/ 20 52 2997 3500 023 D W-NE
KBBG 201 0011 340/ 36G 43 8 VCTS FEW055 31/ 19 49 2997 3300 023 D W-NE
KBBG 201 0012 330/ 37G 43 8 VCTS SCT055 31/ 18 47 2998 3300 023 D ALQDS
KBBG 201 0013 330/ 34G 43 7 VCTS SCT055 30/ 17 46 2999 3200 023 D ALQDS
KBBG 201 0014 330/ 32G 43 7 VCTS SCT055 30/ 17 46 3000 3200 023 D ALQDS
KBBG 201 0015 000/00 MM MM/ MM MM MM 000
KBBG 201 0016 MM /MM MM MM MM MM/ MM MM MM 000 N
KBBG 201 0017 MM /MM MM MM MM MM MM/ MM MM MM 000 N
KBBG 201 0018 340/ 20G 25 MM MM MM MM/ MM MM 3002 000 N
KBBG 201 0019 350/ 19G 25 MM MM MM MM/ MM MM 3003 003 N
KBBG 201 0020 340/ 19G 25 MM MM +RA MM MM/ MM MM 3003 006 N
KBBG 201 0021 350/ 17G 25 MM MM +RA MM 25/ 18 67 3004 2600 009 N
KBBG 201 0022 360/ 14G 25 MM MM +RA MM 25/ 18 69 3004 2600 015 N
KBBG 201 0023 360/ 14G 25 MM MM +RA MM 24/ 19 73 3004 2500 020 N
KBBG 201 0024 010/ 12G 25 MM MM +RA MM 23/ 19 76 3004 2400 025 N
KBBG 201 0025 020/ 11G 25 1 MM +RA MM 23/ 19 78 3004 2400 330V 40 027 N
KBBG 201 0026 040/ 7G 25 1 MM +RA MM 22/ 19 81 3003 2300 027 N
KBBG 201 0027 050/ 6G 25 1-1/4 MM +RA MM 22/ 19 83 3002 2300 20V 80 029 N
KBBG 201 0028 050/ 8G 25 1-1/4 MM +RA MM 22/ 19 84 3001 2300 20V 80 029 N

KBBG 201 0029 030/ 9G 25 1-1/4 MM +RA MM 22/ 19 86 3001 2300 20V 80 029 N
KBBG 201 0030 030/ 9G 25 1-1/4 MM RA MM 21/ 19 87 3001 030 N
KBBG 201 0031 050/ 7G 25 1-1/2 MM RA MM 21/ 19 88 3001 10V 90 030 N
KBBG 201 0032 070/ 5G 23 1-3/4 MM RA MM 21/ 19 88 3000 20V110 031 N
KBBG 201 0033 070/ 6G 23 2 MM -RA MM 20/ 19 89 2999 3/4V5 031 N
KBBG 201 0034 070/ 6G 18 2-1/2 MM -RA MM 20/ 19 89 2998 1V5 031 N
KBBG 201 0035 070/ 7G 18 3 MM -RA MM 20/ 19 89 2998 031 N
KBBG 201 0036 070/ 7G 18 4 MM -RA 20/ 19 89 2998 031 N
KBBG 201 0037 060/ 6G 18 5 MM -RA FEW003 BKN026 OVC090 20/ 19 89 2997 031 N
KBBG 201 0038 040/ 6G 17 6 MM -RA FEW003 BKN026 OVC100 20/ 18 88 2997 031 N
KBBG 201 0039 040/ 6 7 MM -RA FEW003 BKN026 OVC100 20/ 18 87 2997 031 N
KBBG 201 0040 040/ 7 8 MM SCT026 BKN070 OVC100 20/ 18 86 2997 031 N
KBBG 201 0041 050/ 8 8 MM SCT026 BKN070 OVC100 21/ 18 85 2996 031 N
KBBG 201 0042 050/ 8 9 MM SCT026 SCT048 OVC100 21/ 18 84 2996 031 D
KBBG 201 0043 050/ 8 10+ MM SCT026 SCT048 OVC100 21/ 18 83 2995 031 D
KBBG 201 0044 040/ 7 10+ MM SCT026 SCT048 OVC100 21/ 18 83 2995 031 D
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KBBG 201 0048 080/ 4 10+ MM SCT026 BKN100 21/ 18 82 2995 031 D
KBBG 201 0049 000/00 10+ MM FEW026 BKN100 21/ 18 82 2994 031 D
KBBG 201 0050 090/ 3 10+ MM FEW026 BKN100 21/ 18 82 2994 031 D
KBBG 201 0051 080/ 6 10+ MM FEW026 BKN100 21/ 18 82 2994 031 D
KBBG 201 0052 070/ 6 10+ MM FEW026 BKN100 22/ 18 82 2993 2400 031 D
KBBG 201 0053 080/ 7 10+ MM FEW026 BKN100 22/ 18 82 2993 2400 031 D
KBBG 201 0054 080/ 7 10+ MM FEW026 BKN100 22/ 18 82 2993 2400 031 D
KBBG 201 0055 090/ 9 10+ MM FEW026 BKN100 22/ 18 82 2993 2400 031 D
KBBG 201 0056 100/ 10 10+ MM FEW026 BKN100 22/ 18 81 2992 2400 031 D
KBBG 201 0057 090/ 9 10+ MM FEW026 BKN100 22/ 18 81 2992 2400 031 D
KBBG 201 0058 090/ 8 10+ MM FEW026 SCT100 22/ 18 82 2992 2400 031 D
KBBG 201 0059 090/ 8 10+ MM FEW026 SCT100 22/ 18 82 2992 2400 031 D
KBBG 201 0100 090/ 8 10+ MM SCT100 22/ 18 82 2992 2400 031 D

Date	Time	Temp Out	Hi Temp	Low Temp	Out Hum	Dew Pt.	Wind Speed	Wind Dir	Wind Run	Hi Speed	Hi Dir	Wind Chill	Heat Index	THW Index	Bar	Rain	Rain Rate	Heat D-D	Cool D-D
7/19/18	12:30a	73.8	74.4	73.8	92	71.3	2.0	E	1.00	7.0	E	73.8	76.2	76.2	29.917	0.00	0.00	0.000	0.183
7/19/18	1:00a	73.4	73.8	73.4	93	71.3	3.0	ESE	1.50	7.0	E	73.4	75.8	75.8	29.914	0.00	0.00	0.000	0.175
7/19/18	1:30a	72.9	73.4	72.8	94	71.1	3.0	ESE	1.50	7.0	E	72.9	75.3	75.3	29.906	0.00	0.00	0.000	0.165
7/19/18	2:00a	72.4	72.8	72.4	94	70.6	5.0	E	2.50	9.0	E	72.4	74.8	74.8	29.906	0.00	0.00	0.000	0.154
7/19/18	2:30a	71.9	72.4	71.9	95	70.4	6.0	E	3.00	9.0	E	71.9	74.4	74.4	29.902	0.00	0.00	0.000	0.144
7/19/18	3:00a	71.8	71.9	71.8	95	70.3	5.0	ESE	2.50	8.0	E	71.8	74.3	74.3	29.890	0.00	0.00	0.000	0.142
7/19/18	3:30a	72.0	72.0	71.8	95	70.5	3.0	ESE	1.50	8.0	ESE	72.0	74.5	74.5	29.888	0.00	0.00	0.000	0.146
7/19/18	4:00a	72.3	72.3	72.0	95	70.8	5.0	ESE	2.50	9.0	E	72.3	74.8	74.8	29.890	0.00	0.00	0.000	0.152
7/19/18	4:30a	72.5	72.5	72.3	95	71.0	5.0	ESE	2.50	9.0	E	72.5	75.0	75.0	29.893	0.00	0.00	0.000	0.156
7/19/18	5:00a	72.8	72.8	72.5	95	71.3	3.0	ESE	1.50	6.0	ESE	72.8	75.3	75.3	29.891	0.00	0.00	0.000	0.163
7/19/18	5:30a	72.5	72.8	72.5	95	71.0	4.0	SE	2.00	11.0	SSE	72.5	75.0	75.0	29.889	0.00	0.00	0.000	0.156
7/19/18	6:00a	72.1	72.5	72.0	95	70.6	5.0	SE	2.50	11.0	SSE	72.1	74.6	74.6	29.887	0.00	0.00	0.000	0.148
7/19/18	6:30a	71.8	72.1	71.8	95	70.3	4.0	S	2.00	9.0	SSE	71.8	74.3	74.3	29.889	0.00	0.00	0.000	0.142
7/19/18	7:00a	71.9	71.9	71.7	96	70.7	3.0	SSE	1.50	8.0	S	71.9	74.5	74.5	29.898	0.00	0.00	0.000	0.144
7/19/18	7:30a	72.1	72.1	71.9	96	70.9	2.0	SE	1.00	7.0	SE	72.1	74.6	74.6	29.897	0.00	0.00	0.000	0.148
7/19/18	8:00a	72.5	72.5	72.1	96	71.3	2.0	S	1.00	8.0	SSE	72.5	75.1	75.1	29.897	0.00	0.00	0.000	0.156
7/19/18	8:30a	73.6	73.6	72.5	94	71.8	3.0	SSE	1.50	7.0	SE	73.6	76.1	76.1	29.887	0.00	0.00	0.000	0.179
7/19/18	9:00a	74.7	74.7	73.6	91	71.9	3.0	SSE	1.50	6.0	SSE	74.7	77.3	77.3	29.889	0.00	0.00	0.000	0.202
7/19/18	9:30a	76.5	76.5	74.7	87	72.3	4.0	S	2.00	9.0	WSW	76.5	79.6	79.6	29.877	0.00	0.00	0.000	0.240
7/19/18	10:00a	79.3	79.3	76.6	82	73.3	4.0	SE	2.00	10.0	SE	79.3	84.0	84.0	29.862	0.00	0.00	0.000	0.298
7/19/18	10:30a	81.5	81.5	79.3	79	74.4	3.0	SSW	1.50	7.0	ESE	81.5	88.0	88.0	29.859	0.00	0.00	0.000	0.344
7/19/18	11:00a	83.0	83.0	81.5	75	74.3	4.0	ESE	2.00	9.0	ESE	83.0	90.2	90.2	29.865	0.00	0.00	0.000	0.375
7/19/18	11:30a	84.9	84.9	83.0	71	74.4	3.0	ESE	1.50	8.0	ENE	84.9	93.2	93.2	29.861	0.00	0.00	0.000	0.415
7/19/18	12:00p	86.7	86.8	84.9	65	73.5	4.0	SE	2.00	9.0	SE	86.7	94.7	94.7	29.858	0.00	0.00	0.000	0.452
7/19/18	12:30p	89.1	89.2	86.7	62	74.4	3.0	WSW	1.50	10.0	WSW	89.1	98.8	98.8	29.852	0.00	0.00	0.000	0.502
7/19/18	1:00p	90.5	90.6	89.1	59	74.2	3.0	SSW	1.50	13.0	SW	90.5	100.5	100.5	29.841	0.00	0.00	0.000	0.531
7/19/18	1:30p	90.8	91.5	90.4	57	73.5	3.0	S	1.50	11.0	SSE	90.8	100.0	100.0	29.841	0.00	0.00	0.000	0.538
7/19/18	2:00p	91.9	91.9	90.5	52	71.8	4.0	E	2.00	10.0	SE	91.9	99.6	99.6	29.835	0.00	0.00	0.000	0.560
7/19/18	2:30p	92.3	92.6	91.9	52	72.1	4.0	W	2.00	11.0	W	92.3	100.5	100.5	29.819	0.00	0.00	0.000	0.569
7/19/18	3:00p	95.3	95.3	92.3	46	71.2	3.0	W	1.50	9.0	W	95.3	103.3	103.3	29.817	0.00	0.00	0.000	0.631
7/19/18	3:30p	93.8	95.7	93.3	51	72.9	4.0	E	2.00	10.0	E	93.8	103.2	103.2	29.827	0.00	0.00	0.000	0.600
7/19/18	4:00p	93.6	94.4	93.1	53	73.9	8.0	E	4.00	16.0	ENE	93.6	104.1	104.1	29.821	0.00	0.00	0.000	0.596
7/19/18	4:30p	94.3	94.4	93.5	50	72.8	6.0	ESE	3.00	14.0	ESE	94.3	103.7	103.7	29.805	0.00	0.00	0.000	0.610
7/19/18	5:00p	94.4	94.4	94.0	48	71.7	6.0	SE	3.00	12.0	SSE	94.4	102.7	102.7	29.809	0.00	0.00	0.000	0.613
7/19/18	5:30p	94.9	95.6	94.3	48	72.1	4.0	SSW	2.00	12.0	SE	94.9	103.8	103.8	29.803	0.00	0.00	0.000	0.623
7/19/18	6:00p	95.6	96.5	94.9	47	72.2	3.0	S	1.50	10.0	SSW	95.6	104.7	104.7	29.793	0.00	0.00	0.000	0.637
7/19/18	6:30p	93.8	95.5	93.8	49	71.7	3.0	SSE	1.50	9.0	SE	93.8	102.0	102.0	29.799	0.00	0.00	0.000	0.600
7/19/18	7:00p	90.6	93.9	90.6	44	65.7	6.0	N	3.00	41.0	N	90.6	93.4	93.4	29.866	0.00	0.00	0.000	0.533
7/19/18	7:30p	73.6	90.3	72.5	72	64.0	21.0	N	10.50	57.0	NNW	68.3	74.8	69.5	29.862	0.17	64.00	0.000	0.179
7/19/18	8:00p	70.2	73.6	70.0	84	65.1	8.0	S	4.00	19.0	ESE	69.7	71.8	71.3	29.831	0.00	0.00	0.000	0.108
7/19/18	8:30p	72.1	72.5	70.2	81	65.9	4.0	S	2.00	16.0	S	72.1	73.7	73.7	29.834	0.00	0.00	0.000	0.148
7/19/18	9:00p	72.6	72.7	71.8	79	65.7	2.0	SW	1.00	8.0	WSW	72.6	74.1	74.1	29.821	0.00	0.00	0.000	0.158
7/19/18	9:30p	72.1	72.7	72.1	81	65.9	6.0	SW	3.00	11.0	SW	72.1	73.7	73.7	29.808	0.00	0.00	0.000	0.148
7/19/18	10:00p	71.9	72.1	71.7	81	65.8	5.0	SW	2.50	10.0	WSW	71.9	73.5	73.5	29.820	0.00	0.00	0.000	0.144
7/19/18	10:30p	71.5	72.1	71.5	84	66.4	5.0	W	2.50	9.0	WSW	71.5	73.2	73.2	29.822	0.00	0.00	0.000	0.135
7/19/18	11:00p	71.4	71.5	71.3	83	66.0	3.0	W	1.50	8.0	WNW	71.4	73.1	73.1	29.829	0.00	0.00	0.000	0.133
7/19/18	11:30p	70.2	71.4	70.2	86	65.8	3.0	WNW	1.50	5.0	WNW	70.2	72.0	72.0	29.844	0.00	0.00	0.000	0.108
7/20/18	12:00a	70.0	70.2	70.0	86	65.6	3.0	WNW	1.50	5.0	NW	70.0	71.8	71.8	29.843	0.00	0.00	0.000	0.104

Date	Time	Temp Out	Hi Temp	Low Temp	Out Hum	Dew Pt.	Wind Speed	Wind Dir	Wind Run	Hi Speed	Hi Dir	Wind Chill	Heat Index	THW Index	Bar	Rain	Rain Rate	Heat D-D	Cool D-D
7/19/18	12:30a	74.0	74.9	74.0	88	70.2	0.0	---	0.00	0.0	---	74.0	76.2	76.2	28.911	0.00	0.00	0.000	0.188
7/19/18	1:00a	73.4	74.0	73.4	88	69.6	0.0	ESE	0.00	3.0	ESE	73.4	75.5	75.5	28.906	0.00	0.00	0.000	0.175
7/19/18	1:30a	73.0	73.4	73.0	87	68.9	0.0	ESE	0.00	2.0	ESE	73.0	75.0	75.0	28.898	0.00	0.00	0.000	0.167
7/19/18	2:00a	72.8	73.0	72.8	87	68.7	0.0	E	0.00	3.0	E	72.8	74.8	74.8	28.897	0.00	0.00	0.000	0.163
7/19/18	2:30a	72.3	72.8	72.3	86	67.9	1.0	E	0.50	4.0	ESE	72.3	74.2	74.2	28.893	0.00	0.00	0.000	0.152
7/19/18	3:00a	72.2	72.3	72.2	86	67.8	0.0	ESE	0.00	4.0	ENE	72.2	74.1	74.1	28.880	0.00	0.00	0.000	0.150
7/19/18	3:30a	72.6	72.6	72.2	86	68.2	2.0	ESE	1.00	8.0	ESE	72.6	74.5	74.5	28.880	0.00	0.00	0.000	0.158
7/19/18	4:00a	72.7	72.7	72.6	86	68.3	4.0	ESE	2.00	9.0	ESE	72.7	74.6	74.6	28.881	0.00	0.00	0.000	0.160
7/19/18	4:30a	72.9	72.9	72.7	86	68.5	3.0	ESE	1.50	8.0	E	72.9	74.8	74.8	28.883	0.00	0.00	0.000	0.165
7/19/18	5:00a	72.9	73.0	72.9	86	68.5	3.0	ESE	1.50	8.0	ESE	72.9	74.8	74.8	28.884	0.00	0.00	0.000	0.165
7/19/18	5:30a	72.5	73.0	72.4	86	68.1	4.0	ESE	2.00	10.0	ESE	72.5	74.4	74.4	28.881	0.00	0.00	0.000	0.156
7/19/18	6:00a	72.0	72.5	72.0	86	67.6	5.0	ESE	2.50	10.0	SE	72.0	73.9	73.9	28.879	0.00	0.00	0.000	0.146
7/19/18	6:30a	71.9	72.1	71.9	84	66.8	3.0	SE	1.50	7.0	SE	71.9	73.6	73.6	28.881	0.00	0.00	0.000	0.144
7/19/18	7:00a	72.1	72.1	71.9	83	66.6	2.0	SE	1.00	7.0	SSW	72.1	73.8	73.8	28.890	0.00	0.00	0.000	0.148
7/19/18	7:30a	72.5	72.5	72.1	83	67.0	2.0	ESE	1.00	6.0	ESE	72.5	74.3	74.3	28.888	0.00	0.00	0.000	0.156
7/19/18	8:00a	72.9	72.9	72.4	85	68.1	2.0	SE	1.00	8.0	SE	72.9	74.8	74.8	28.887	0.00	0.00	0.000	0.165
7/19/18	8:30a	74.1	74.1	72.9	89	70.6	2.0	ESE	1.00	7.0	ESE	74.1	76.3	76.3	28.881	0.00	0.00	0.000	0.190
7/19/18	9:00a	75.4	75.4	74.1	89	71.9	3.0	ESE	1.50	7.0	ESE	75.4	78.1	78.1	28.882	0.00	0.00	0.000	0.217
7/19/18	9:30a	77.3	77.3	75.4	87	73.1	2.0	SSE	1.00	7.0	SE	77.3	80.9	80.9	28.870	0.00	0.00	0.000	0.256
7/19/18	10:00a	79.9	79.9	77.3	82	73.9	2.0	S	1.00	5.0	WSW	79.9	85.2	85.2	28.858	0.00	0.00	0.000	0.310
7/19/18	10:30a	81.5	81.5	79.4	79	74.4	2.0	SE	1.00	5.0	SE	81.5	88.0	88.0	28.852	0.00	0.00	0.000	0.344
7/19/18	11:00a	85.5	85.5	81.5	72	75.4	2.0	ESE	1.00	6.0	SSE	85.5	95.0	95.0	28.854	0.00	0.00	0.000	0.427
7/19/18	11:30a	86.9	86.9	85.4	68	75.1	3.0	ESE	1.50	8.0	SSE	86.9	96.6	96.6	28.856	0.00	0.00	0.000	0.456
7/19/18	12:00p	88.8	88.8	86.9	64	75.0	2.0	ESE	1.00	8.0	ESE	88.8	99.2	99.2	28.854	0.00	0.00	0.000	0.496
7/19/18	12:30p	89.2	90.6	88.9	61	74.0	3.0	SW	1.50	8.0	SSW	89.2	98.5	98.5	28.850	0.00	0.00	0.000	0.504
7/19/18	1:00p	90.5	90.6	89.0	59	74.2	2.0	SW	1.00	6.0	SSW	90.5	100.5	100.5	28.837	0.00	0.00	0.000	0.531
7/19/18	1:30p	93.1	93.1	90.5	53	73.4	2.0	SE	1.00	8.0	ESE	93.1	102.9	102.9	28.838	0.00	0.00	0.000	0.585
7/19/18	2:00p	92.9	93.5	92.7	52	72.7	3.0	W	1.50	9.0	SSE	92.9	101.8	101.8	28.830	0.00	0.00	0.000	0.581
7/19/18	2:30p	93.1	93.1	92.3	51	72.3	3.0	SSE	1.50	8.0	WSW	93.1	101.6	101.6	28.818	0.00	0.00	0.000	0.585
7/19/18	3:00p	96.1	96.1	93.2	47	72.6	3.0	SE	1.50	9.0	ESE	96.1	105.8	105.8	28.818	0.00	0.00	0.000	0.648
7/19/18	3:30p	97.2	97.2	94.9	46	73.0	3.0	SSW	1.50	7.0	SSE	97.2	107.6	107.6	28.826	0.00	0.00	0.000	0.671
7/19/18	4:00p	94.5	97.9	94.4	52	74.2	4.0	E	2.00	11.0	ESE	94.5	105.6	105.6	28.818	0.00	0.00	0.000	0.615
7/19/18	4:30p	94.6	95.1	94.2	49	72.5	4.0	E	2.00	12.0	SE	94.6	103.7	103.7	28.805	0.00	0.00	0.000	0.617
7/19/18	5:00p	95.7	96.0	94.7	48	72.9	4.0	E	2.00	12.0	SE	95.7	105.6	105.6	28.808	0.00	0.00	0.000	0.640
7/19/18	5:30p	95.4	95.7	94.8	49	73.2	4.0	ESE	2.00	14.0	SSE	95.4	105.6	105.6	28.800	0.00	0.00	0.000	0.633
7/19/18	6:00p	95.6	96.1	95.0	47	72.2	3.0	ESE	1.50	9.0	E	95.6	104.7	104.7	28.795	0.00	0.00	0.000	0.637
7/19/18	6:30p	94.4	95.6	94.4	48	71.7	3.0	SSE	1.50	10.0	E	94.4	102.7	102.7	28.797	0.00	0.00	0.000	0.613
7/19/18	7:00p	92.1	94.4	92.1	47	69.0	2.0	SSE	1.00	23.0	NNE	92.1	97.4	97.4	28.838	0.00	0.00	0.000	0.565
7/19/18	7:30p	71.0	91.9	71.0	83	65.6	10.0	NNW	5.00	43.0	NNW	68.9	72.7	70.6	28.877	0.00	0.00	0.000	0.125
7/19/18	8:00p	72.8	72.8	70.7	77	65.2	6.0	ESE	3.00	18.0	SSE	72.8	74.2	74.2	28.832	0.00	0.00	0.000	0.163
7/19/18	8:30p	72.6	73.6	72.6	79	65.7	4.0	ESE	2.00	16.0	SE	72.6	74.1	74.1	28.829	0.00	0.00	0.000	0.158
7/19/18	9:00p	72.1	73.0	72.1	81	65.9	3.0	SSW	1.50	10.0	WSW	72.1	73.7	73.7	28.822	0.00	0.00	0.000	0.148
7/19/18	9:30p	70.5	72.1	70.5	86	66.1	5.0	SW	2.50	10.0	SW	70.5	72.3	72.3	28.813	0.00	0.00	0.000	0.115
7/19/18	10:00p	70.2	70.5	70.1	85	65.5	4.0	SW	2.00	10.0	SW	70.2	71.9	71.9	28.822	0.00	0.00	0.000	0.108
7/19/18	10:30p	70.7	70.7	70.2	85	66.0	3.0	WSW	1.50	8.0	WSW	70.7	72.5	72.5	28.820	0.00	0.00	0.000	0.119
7/19/18	11:00p	71.8	71.8	70.7	81	65.7	3.0	WSW	1.50	8.0	WSW	71.8	73.4	73.4	28.828	0.00	0.00	0.000	0.142
7/19/18	11:30p	71.5	71.8	71.5	82	65.7	2.0	WSW	1.00	9.0	W	71.5	73.1	73.1	28.840	0.00	0.00	0.000	0.135
7/20/18	12:00a	70.8	71.5	70.7	86	66.4	0.0	W	0.00	4.0	WSW	70.8	72.6	72.6	28.841	0.00	0.00	0.000	0.121