Fire Weather Climatology

and

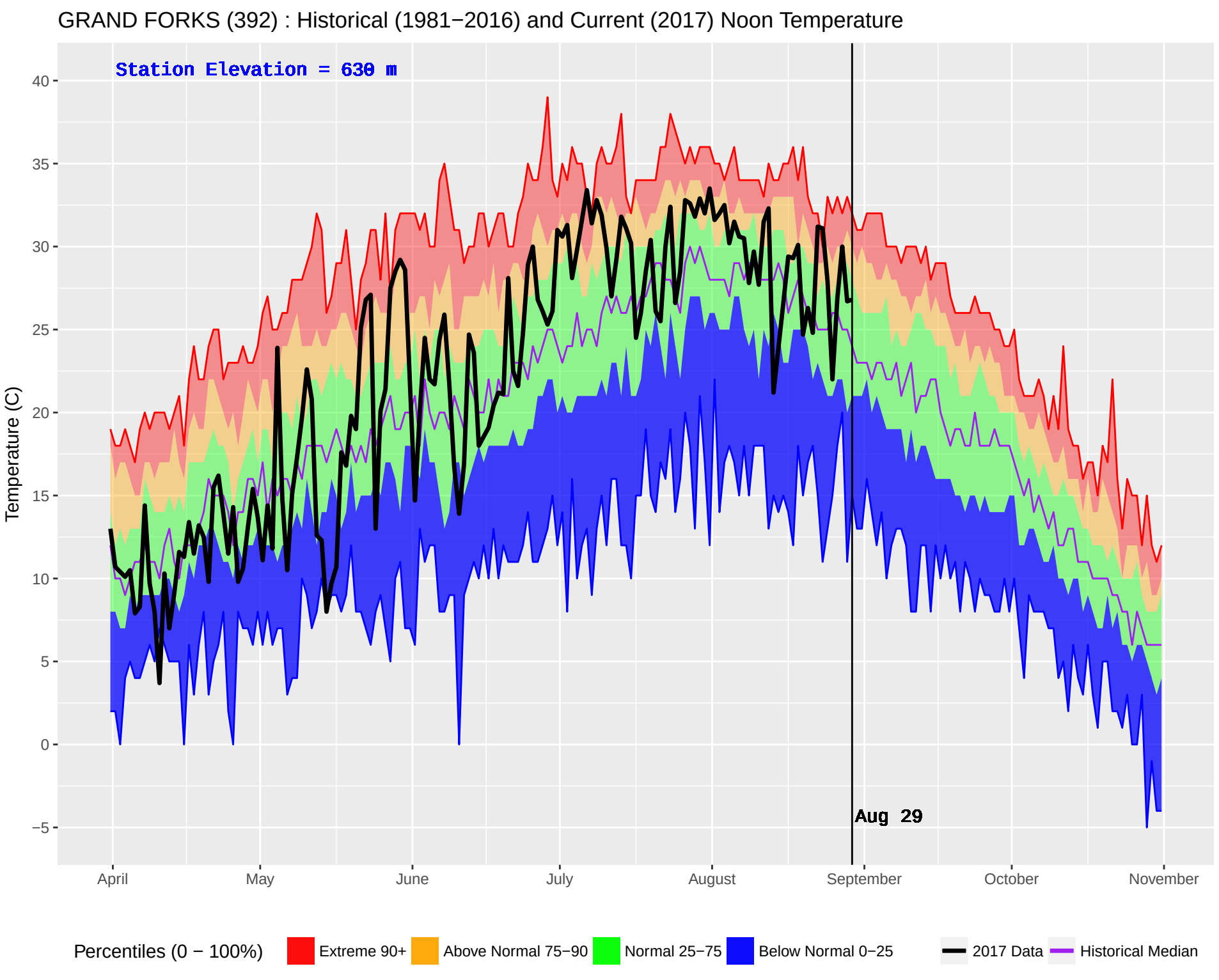
Current (2017) Conditions

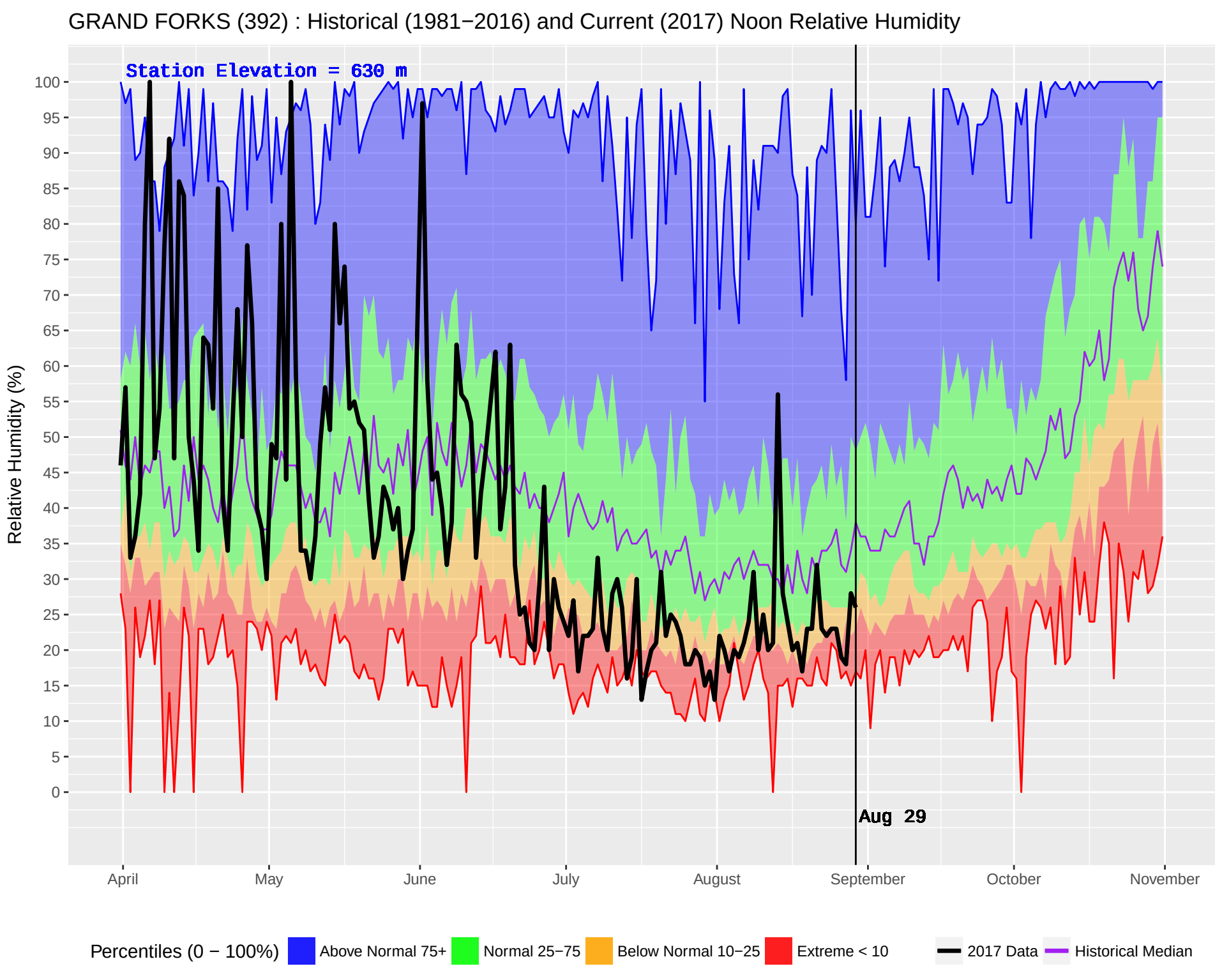
for

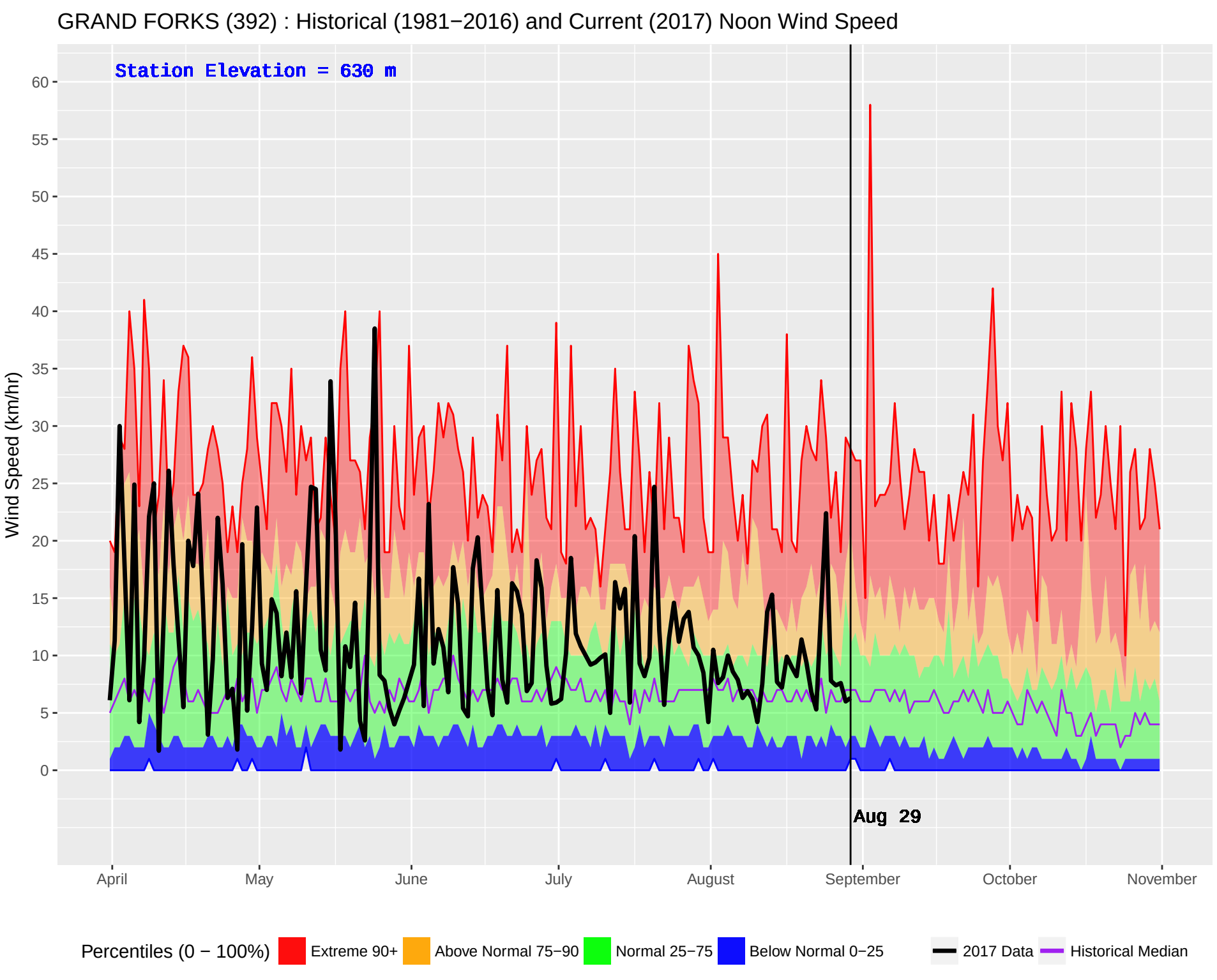
BC: GRAND FORKS Weather Station

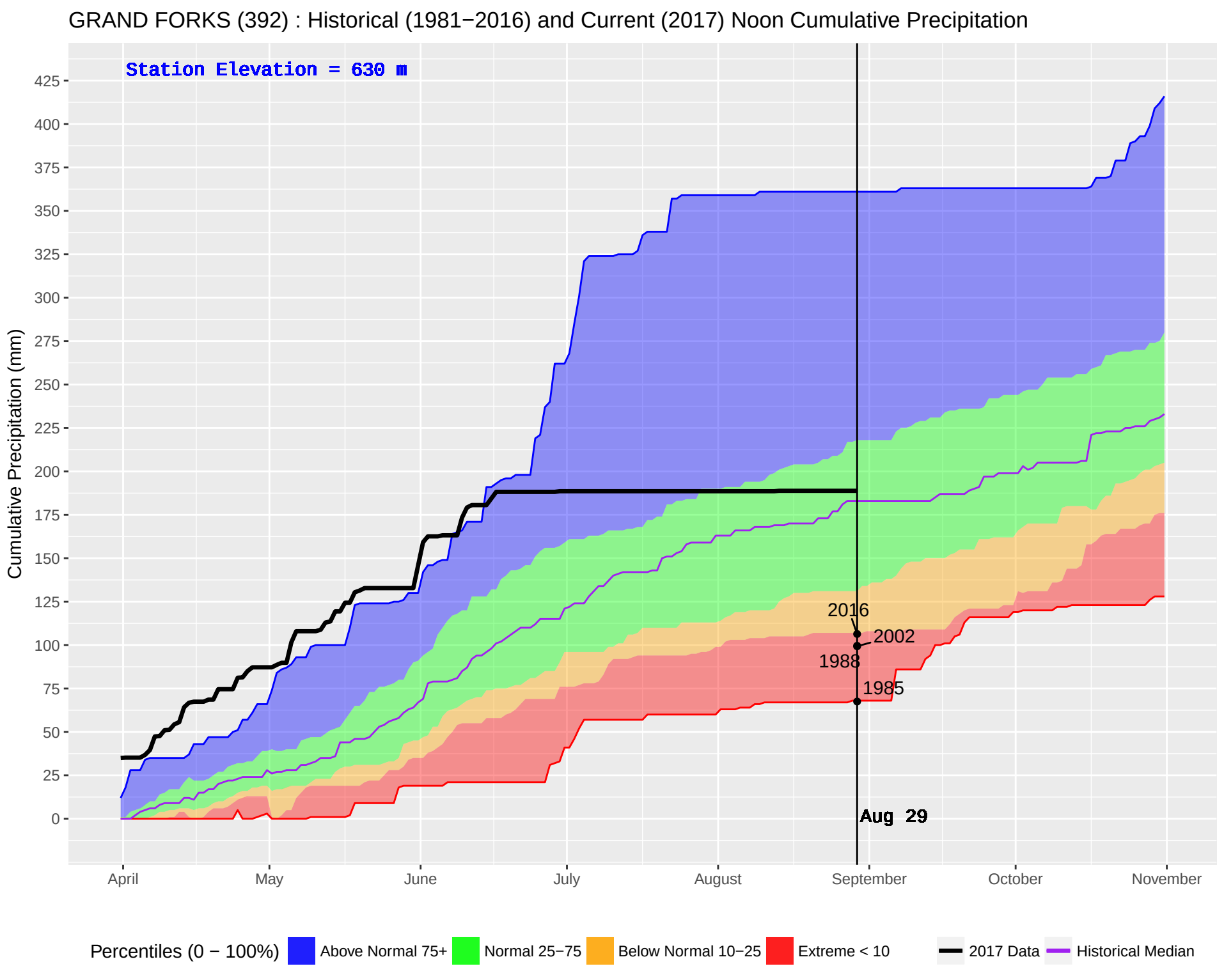
as of

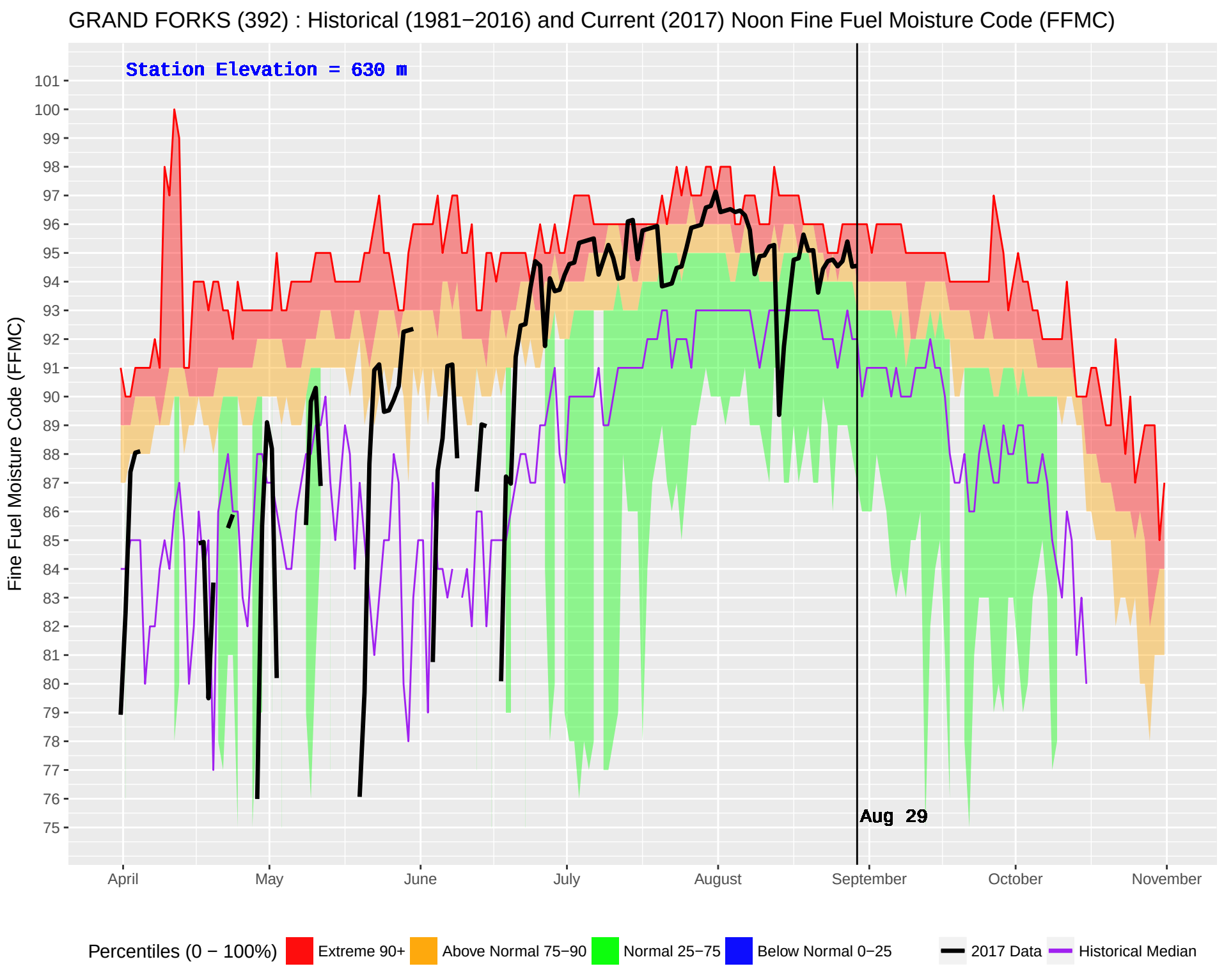
August 29, 2017

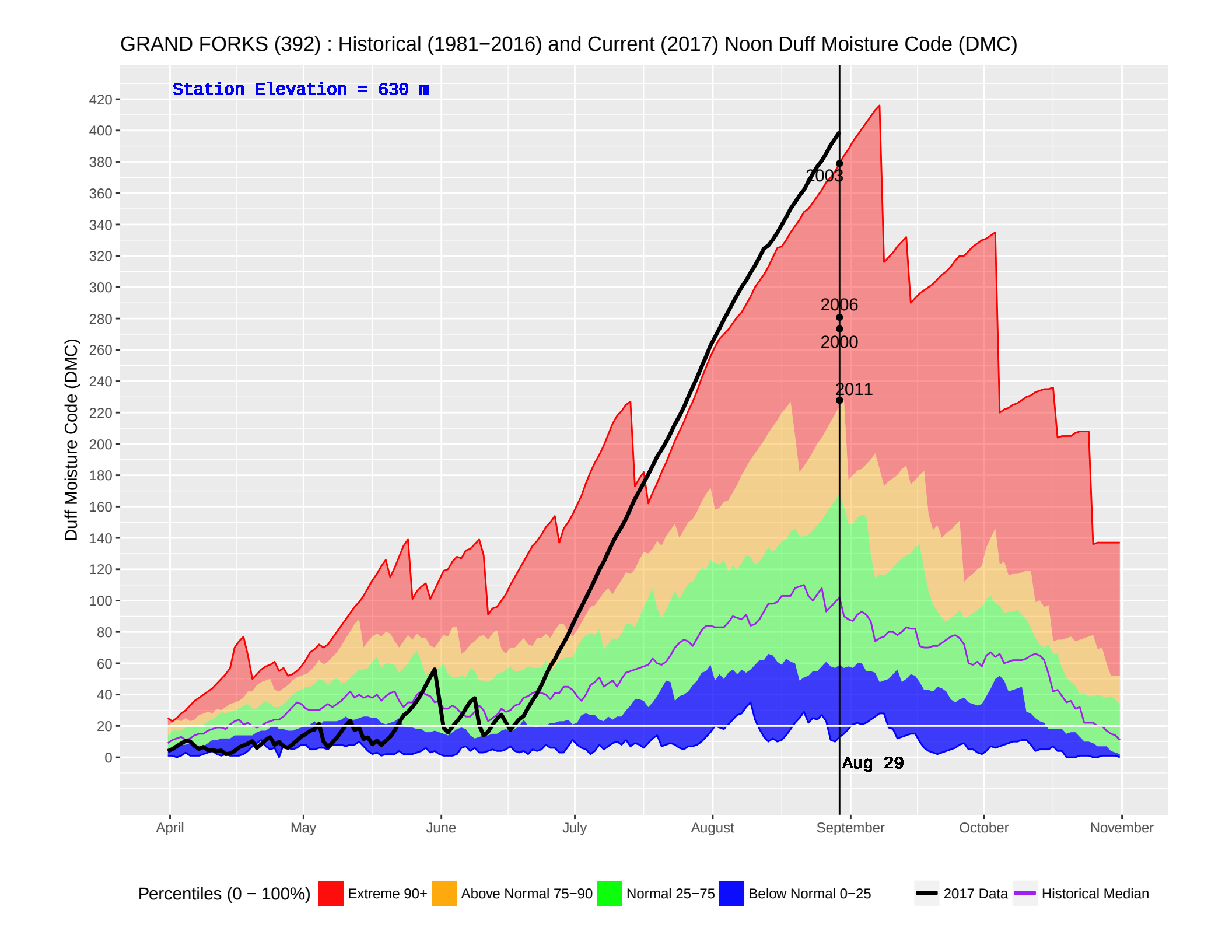

GRAND FORKS (392) : Historical (1981−2016) and Current (2017) Noon Temperature
Station Elevation = 630 m
Temperature (C)
40
35
30
25
20
15
10
5
0
−5
April
May
June
July
August
September
October
November
Aug 29
Percentiles (0 − 100%)
Extreme 90+
Above Normal 75−90
Normal 25−75
Below Normal 0−25
2017 Data
Historical Median

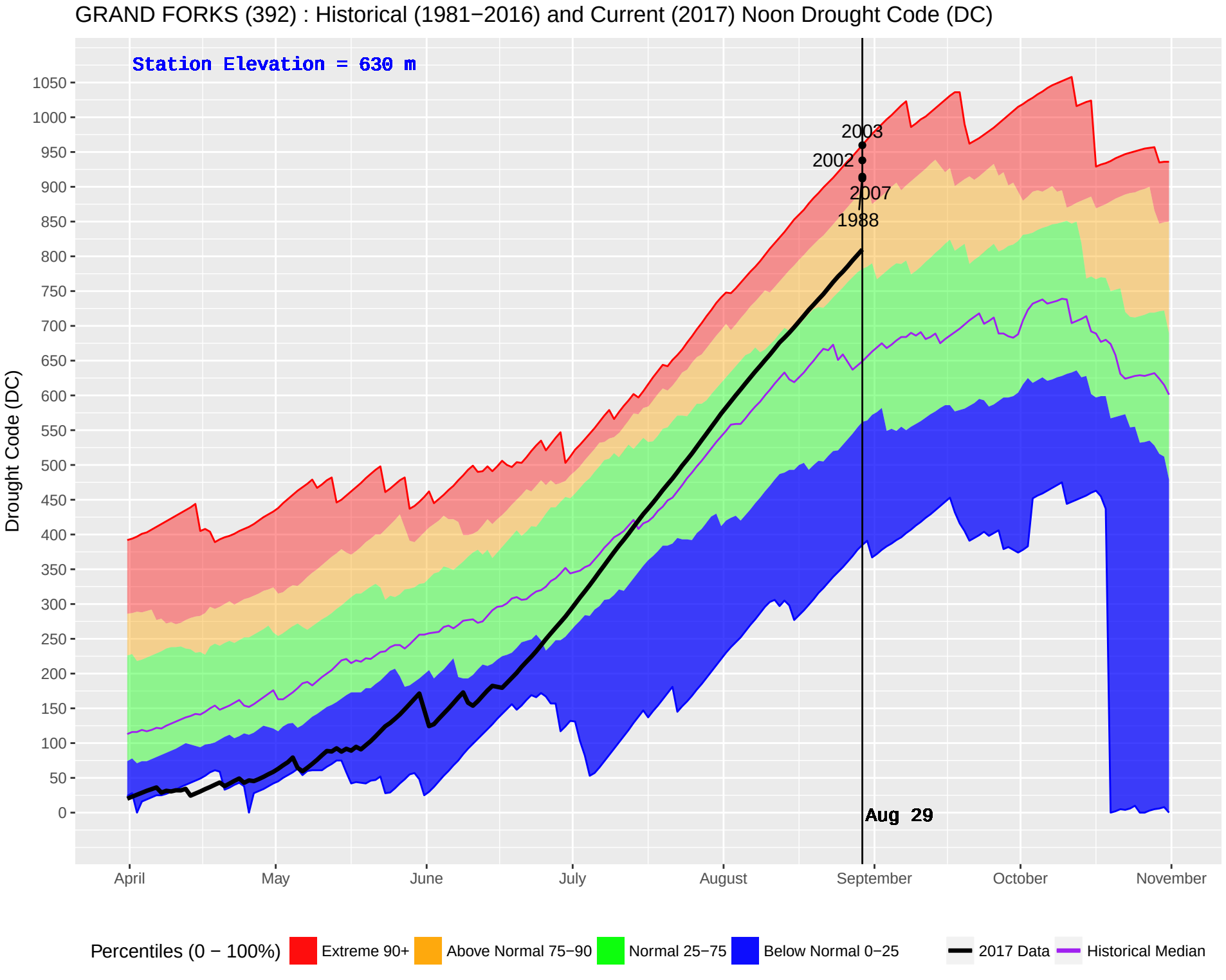

GRAND FORKS (392) : Historical (1981−2016) and Current (2017) Noon Relative Humidity
Station Elevation = 630 m
Relative Humidity (%)
100
95
90
85
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
Aug 29
April
May
June
July
August
September
October
November
Percentiles (0 − 100%)
Above Normal 75+
Normal 25−75
Below Normal 10−25
Extreme < 10
2017 Data
Historical Median

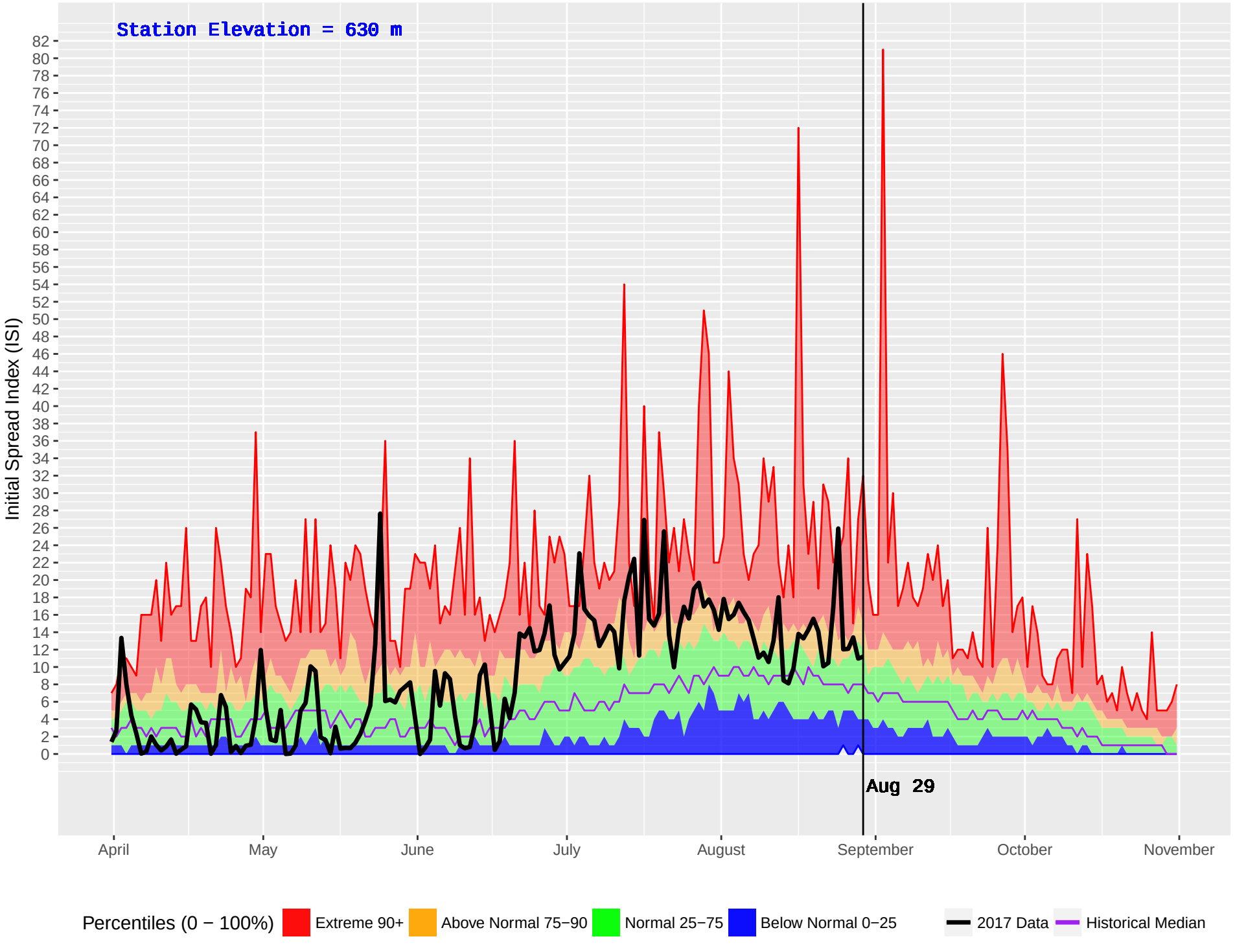

GRAND FORKS (392) : Historical (1981−2016) and Current (2017) Noon Wind Speed
Station Elevation = 630 m
Wind Speed (km/hr)
60
55
50
45
40
35
30
25
20
15
10
5
0
Aug 29
April
May
June
July
August
September
October
November
Percentiles (0 − 100%)
Extreme 90+
Above Normal 75−90
Normal 25−75
Below Normal 0−25
2017 Data
Historical Median

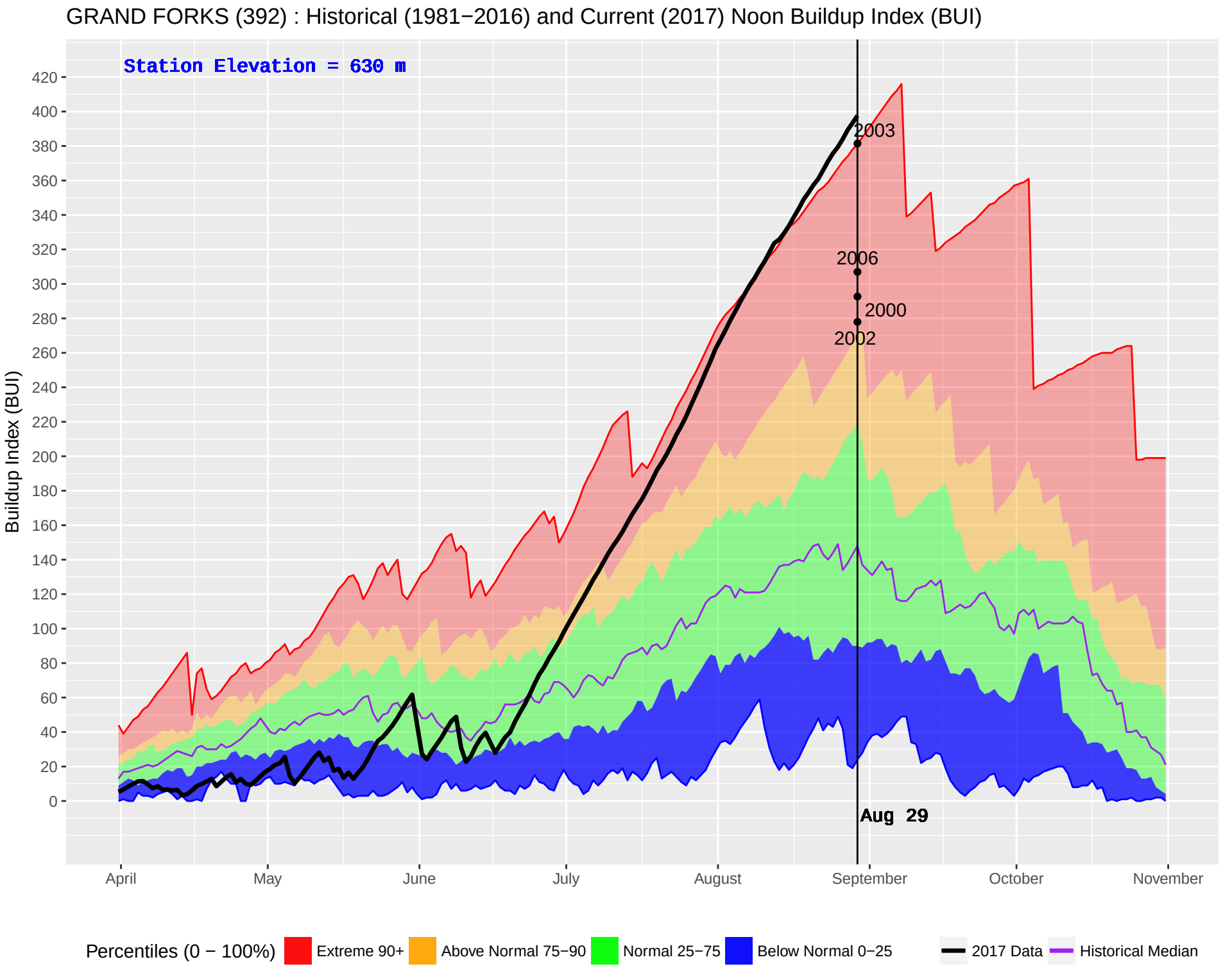

GRAND FORKS (392) : Historical (1981−2016) and Current (2017) Noon Cumulative Precipitation
Station Elevation = 630 m
Cumulative Precipitation (mm)
425
400
375
350
325
300
275
250
225
200
175
150
125
100
75
50
25
0
April
May
June
July
August
September
October
November
2016
2002
1988
1985
Aug 29
Percentiles (0 − 100%)
Above Normal 75+
Normal 25−75
Below Normal 10−25
Extreme < 10
2017 Data
Historical Median

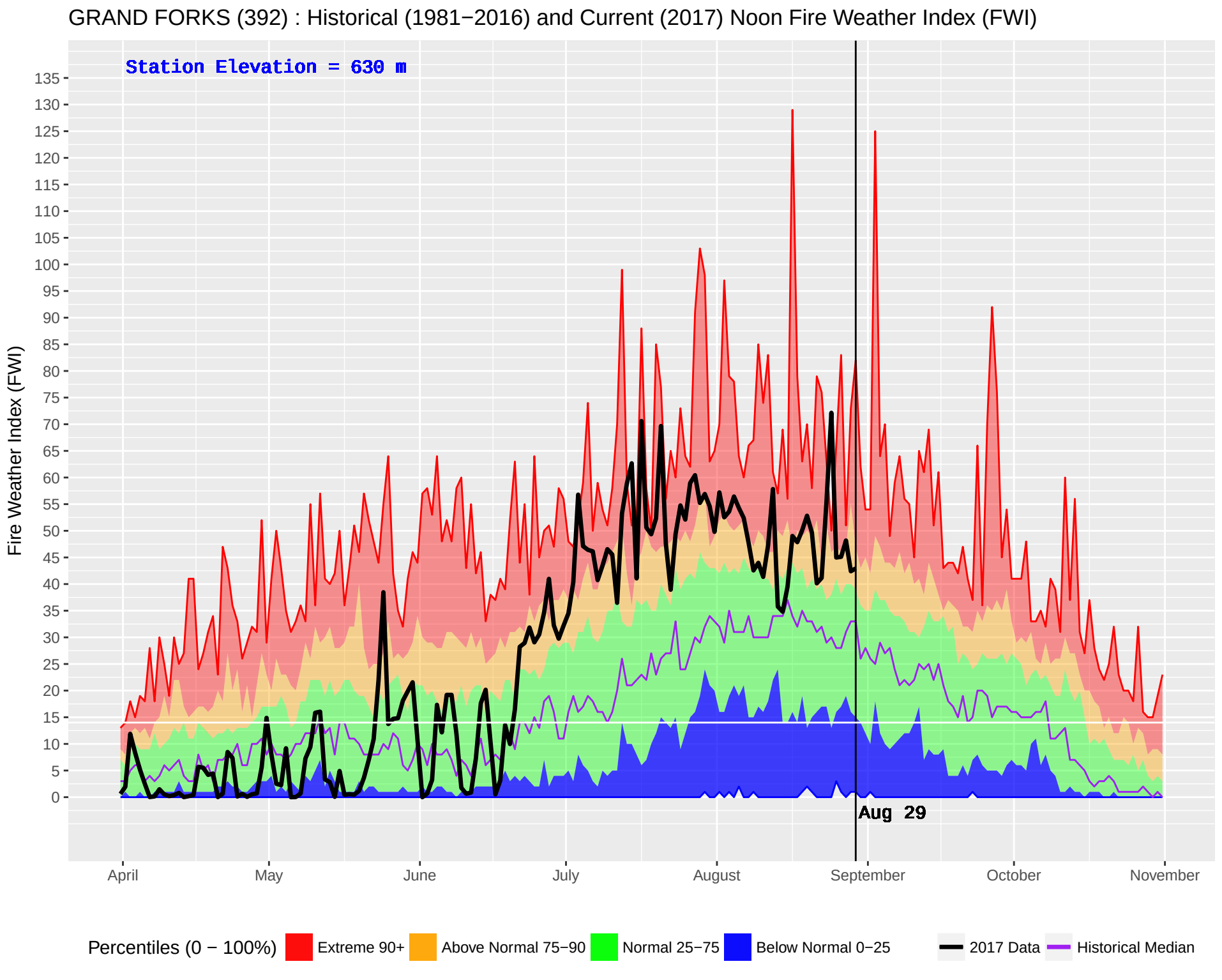

GRAND FORKS (392) : Historical (1981−2016) and Current (2017) Noon Fine Fuel Moisture Code (FFMC)
Station Elevation = 630 m
Fine Fuel Moisture Code (FFMC)
101
100
99
98
97
96
95
94
93
92
91
90
89
88
87
86
85
84
83
82
81
80
79
78
77
76
75
April
May
June
July
August
September
October
November
Aug 29
Percentiles (0 − 100%)
Extreme 90+
Above Normal 75−90
Normal 25−75
Below Normal 0−25
2017 Data
Historical Median


GRAND FORKS (392) : Historical (1981−2016) and Current (2017) Noon Duff Moisture Code (DMC)
Station Elevation = 630 m
Duff Moisture Code (DMC)
420
400
380
360
340
320
300
280
260
240
220
200
180
160
140
120
100
80
60
40
20
0
2003
2006
2000
2011
Aug 29
April
May
June
July
August
September
October
November
Percentiles (0 − 100%)
Extreme 90+
Above Normal 75−90
Normal 25−75
Below Normal 0−25
2017 Data
Historical Median


GRAND FORKS (392) : Historical (1981−2016) and Current (2017) Noon Drought Code (DC)
Station Elevation = 630 m
Drought Code (DC)
1050
1000
950
900
850
800
750
700
650
600
550
500
450
400
350
300
250
200
150
100
50
0
2003
2002
2007
1988
Aug 29
April
May
June
July
August
September
October
November
Percentiles (0 − 100%)
Extreme 90+
Above Normal 75−90
Normal 25−75
Below Normal 0−25
2017 Data
Historical Median


GRAND FORKS (392) : Historical (1981−2016) and Current (2017) Noon Initial Spread Index (ISI)
Station Elevation = 630 m
Initial Spread Index (ISI)
0
2
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
34
36
38
40
42
44
46
48
50
52
54
56
58
60
62
64
66
68
70
72
74
76
78
80
82
Aug 29
April
May
June
July
August
September
October
November
Percentiles (0 − 100%)
Extreme 90+
Above Normal 75−90
Normal 25−75
Below Normal 0−25
2017 Data
Historical Median


GRAND FORKS (392) : Historical (1981−2016) and Current (2017) Noon Buildup Index (BUI)
Station Elevation = 630 m
Buildup Index (BUI)
420
400
380
360
340
320
300
280
260
240
220
200
180
160
140
120
100
80
60
40
20
0
2003
2006
2000
2002
Aug 29
April
May
June
July
August
September
October
November
Percentiles (0 − 100%)
Extreme 90+
Above Normal 75−90
Normal 25−75
Below Normal 0−25
2017 Data
Historical Median


GRAND FORKS (392) : Historical (1981−2016) and Current (2017) Noon Fire Weather Index (FWI)
Station Elevation = 630 m
Fire Weather Index (FWI)
135
130
125
120
115
110
105
100
95
90
85
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
Aug 29
April
May
June
July
August
September
October
November
Percentiles (0 − 100%)
Extreme 90+
Above Normal 75−90
Normal 25−75
Below Normal 0−25
2017 Data
Historical Median

For Questions/Comments/Suggestions Contact:
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