Fire Weather Climatology

and

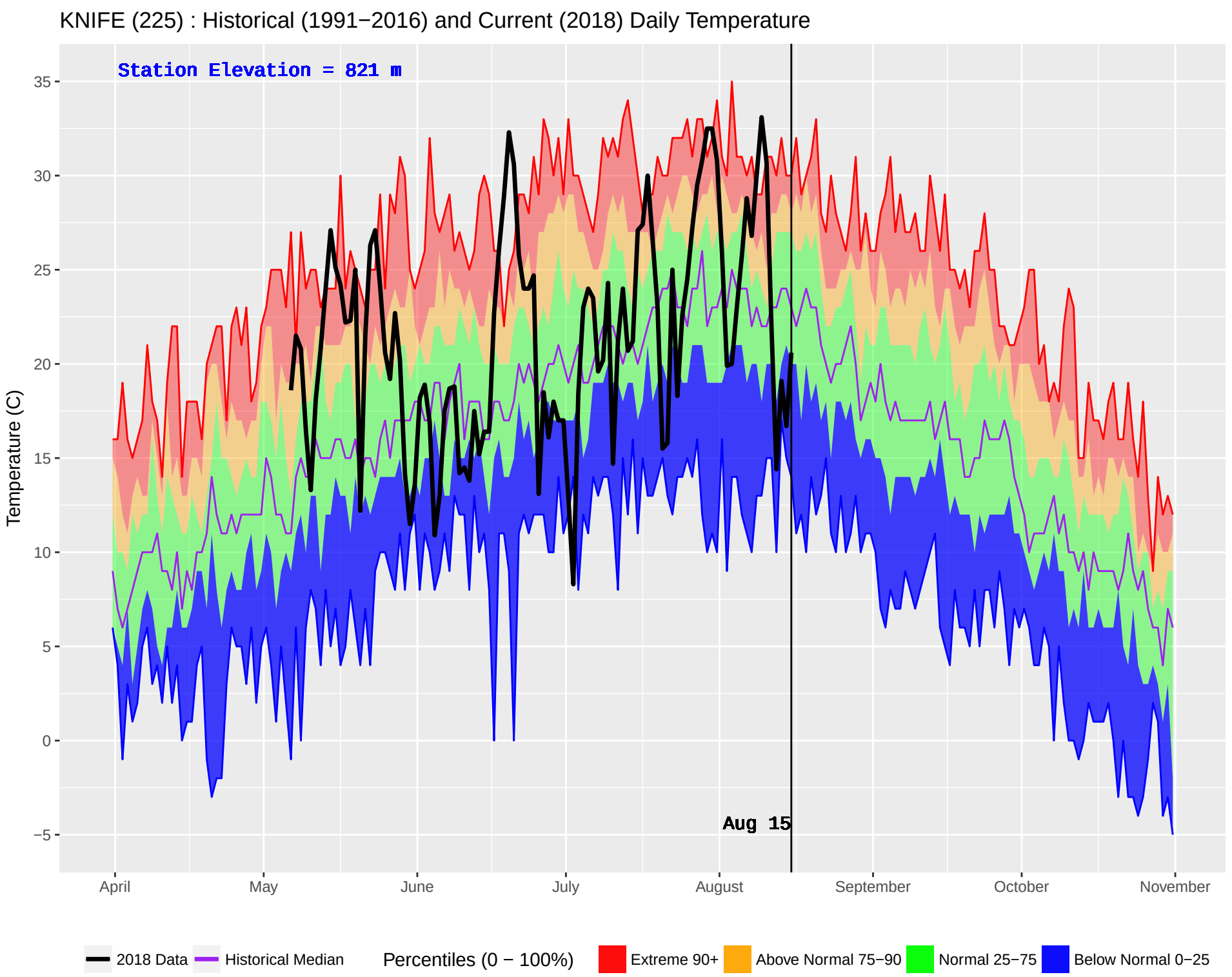
Current (2018) Conditions

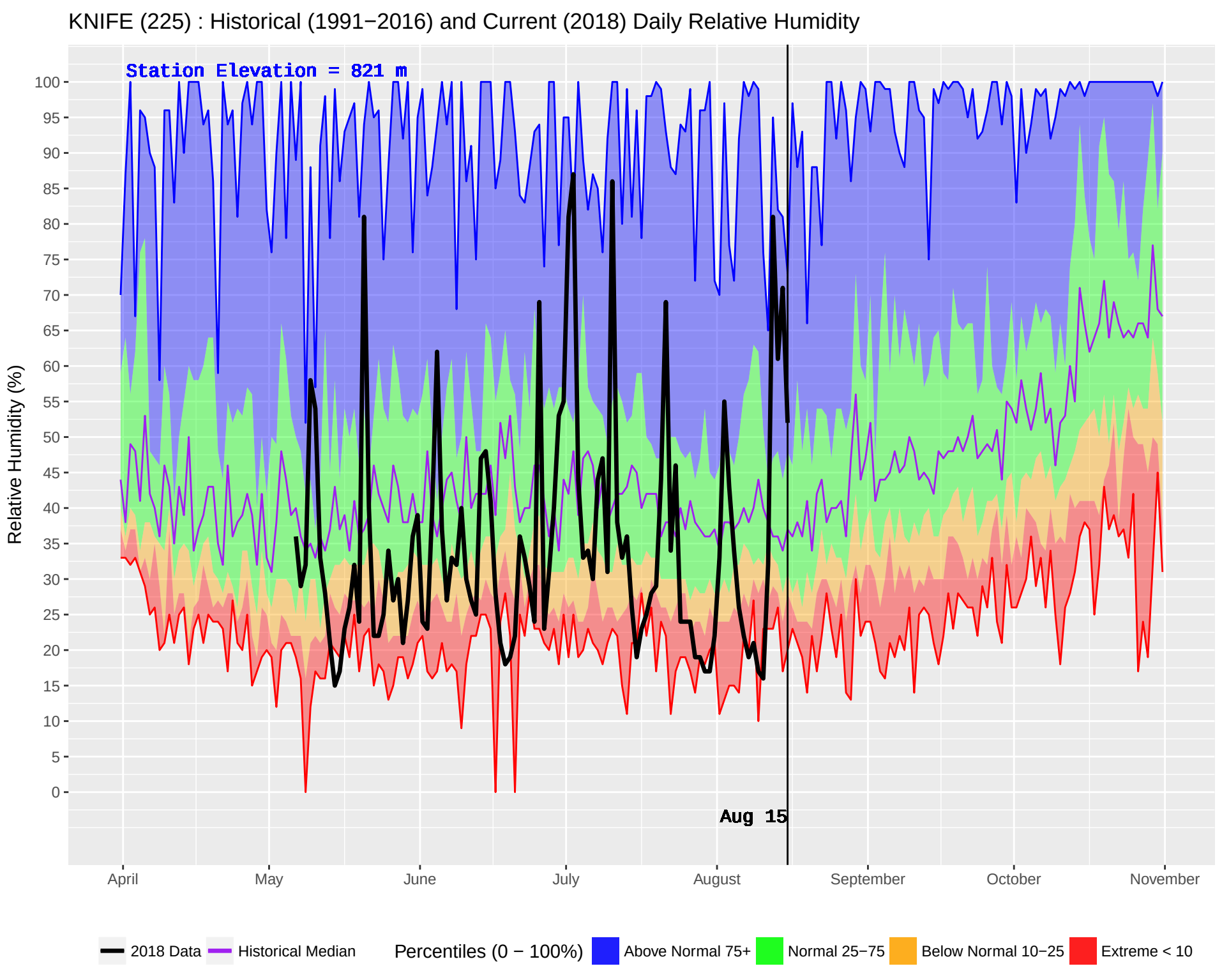
for

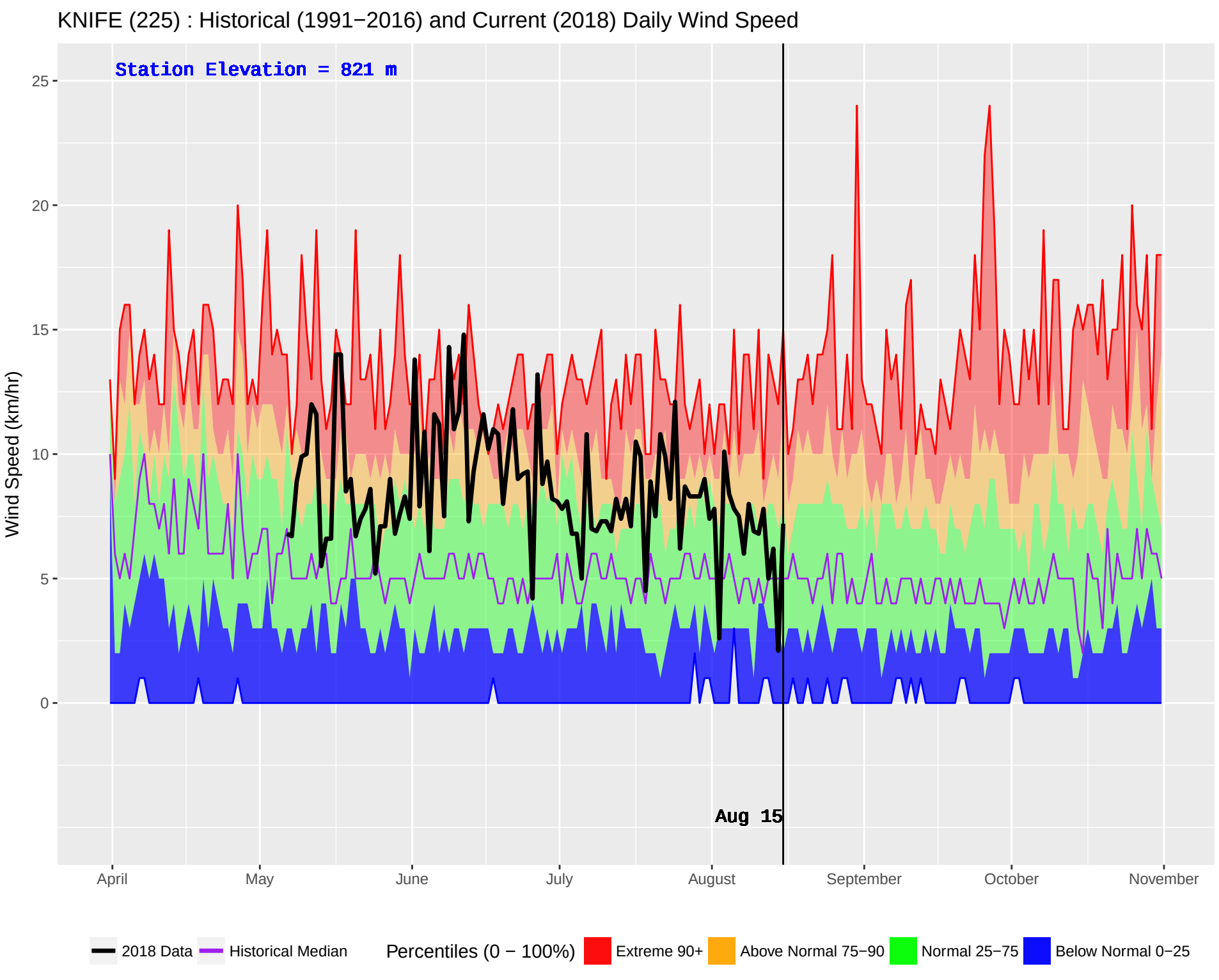
BC: KNIFE Weather Station

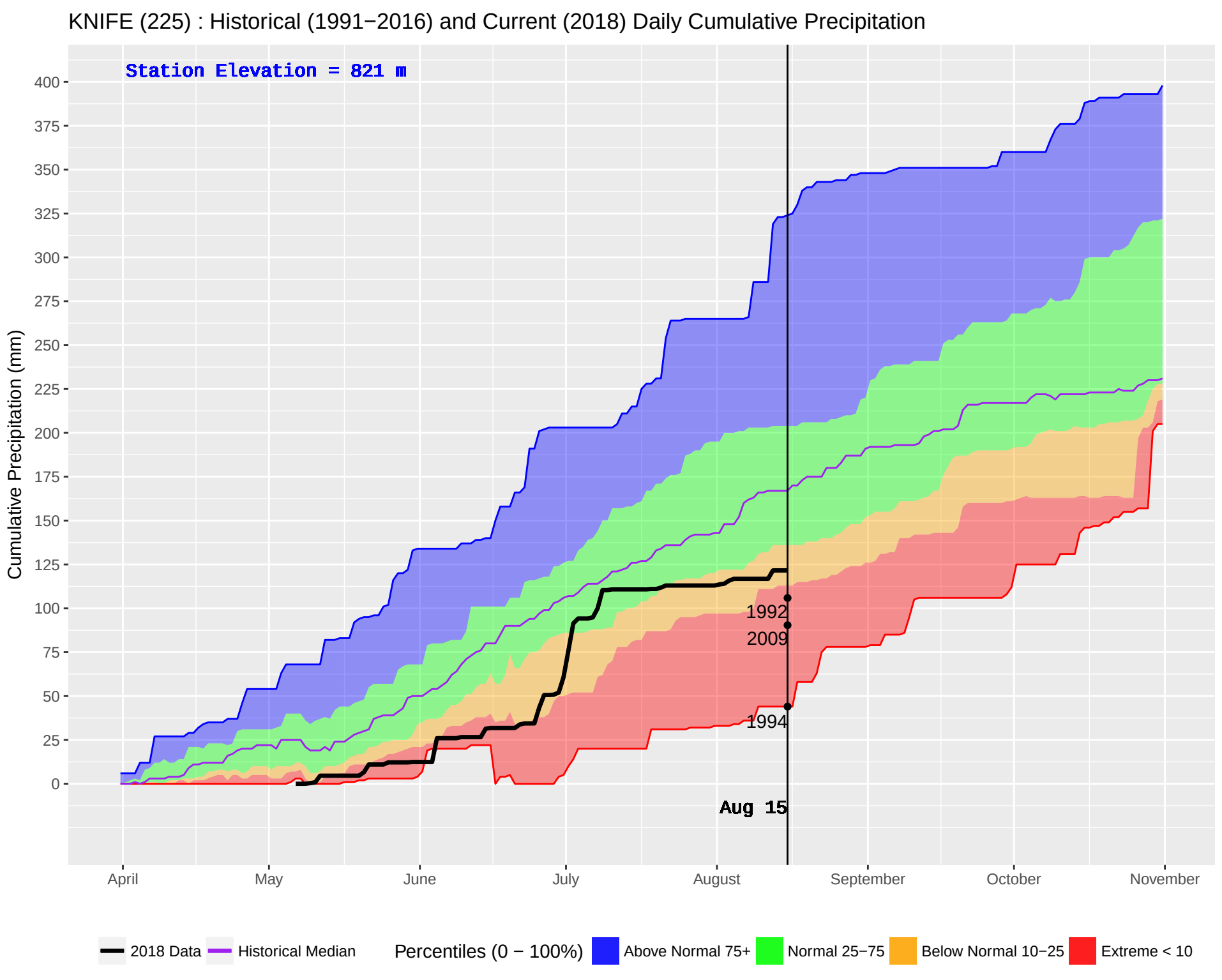
as of

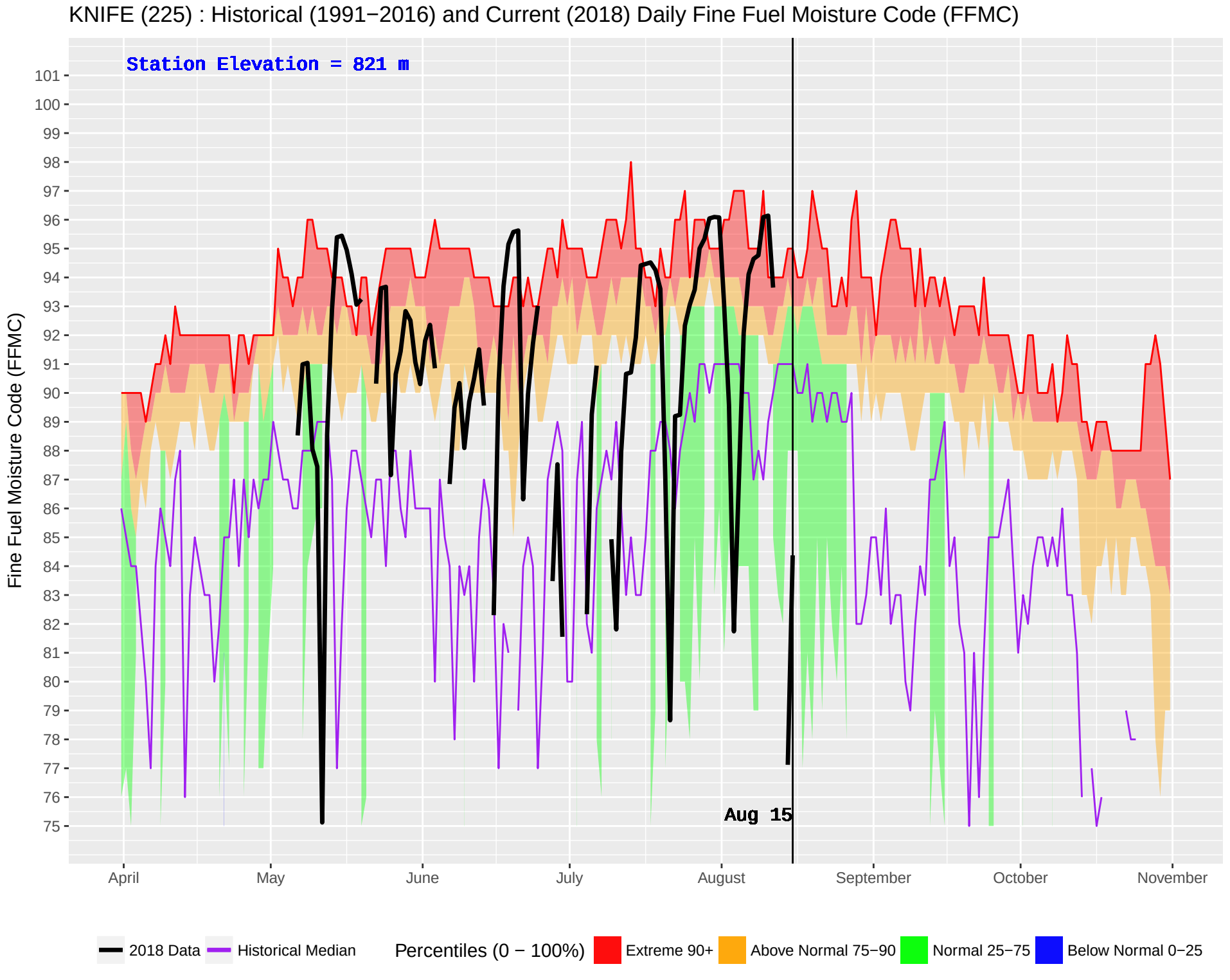
August 15, 2018

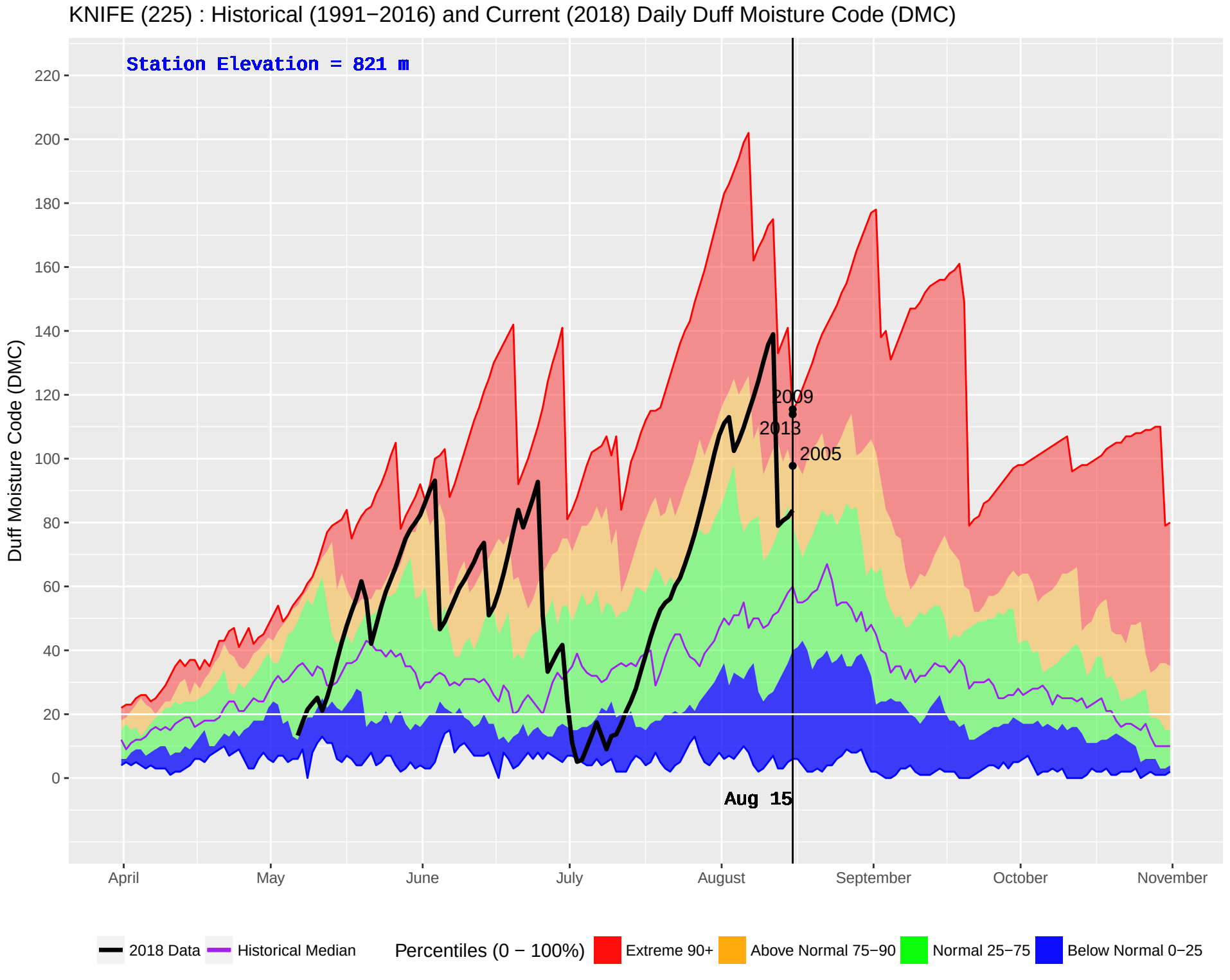

KNIFE (225) : Historical (1991−2016) and Current (2018) Daily Temperature
Station Elevation = 821 m
Temperature (C)
35
30
25
20
15
10
5
0
−5
April
May
June
July
August
September
October
November
Aug 15
2018 Data
Historical Median
Percentiles (0 − 100%)
Extreme 90+
Above Normal 75−90
Normal 25−75
Below Normal 0−25

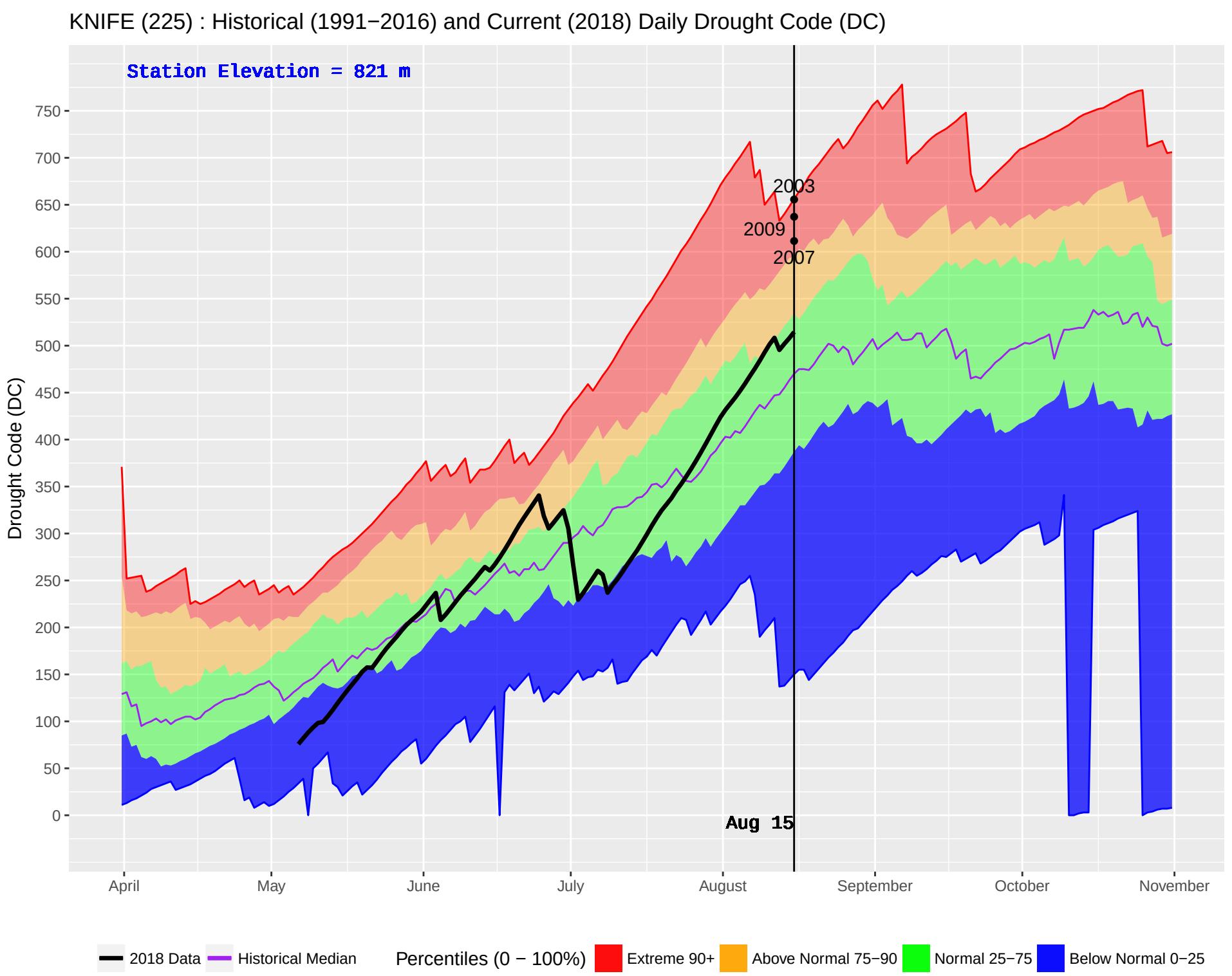

KNIFE (225) : Historical (1991−2016) and Current (2018) Daily Relative Humidity
Station Elevation = 821 m
Relative Humidity (%)
100
95
90
85
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
Aug 15
April
May
June
July
August
September
October
November
2018 Data
Historical Median
Percentiles (0 − 100%)
Above Normal 75+
Normal 25−75
Below Normal 10−25
Extreme < 10

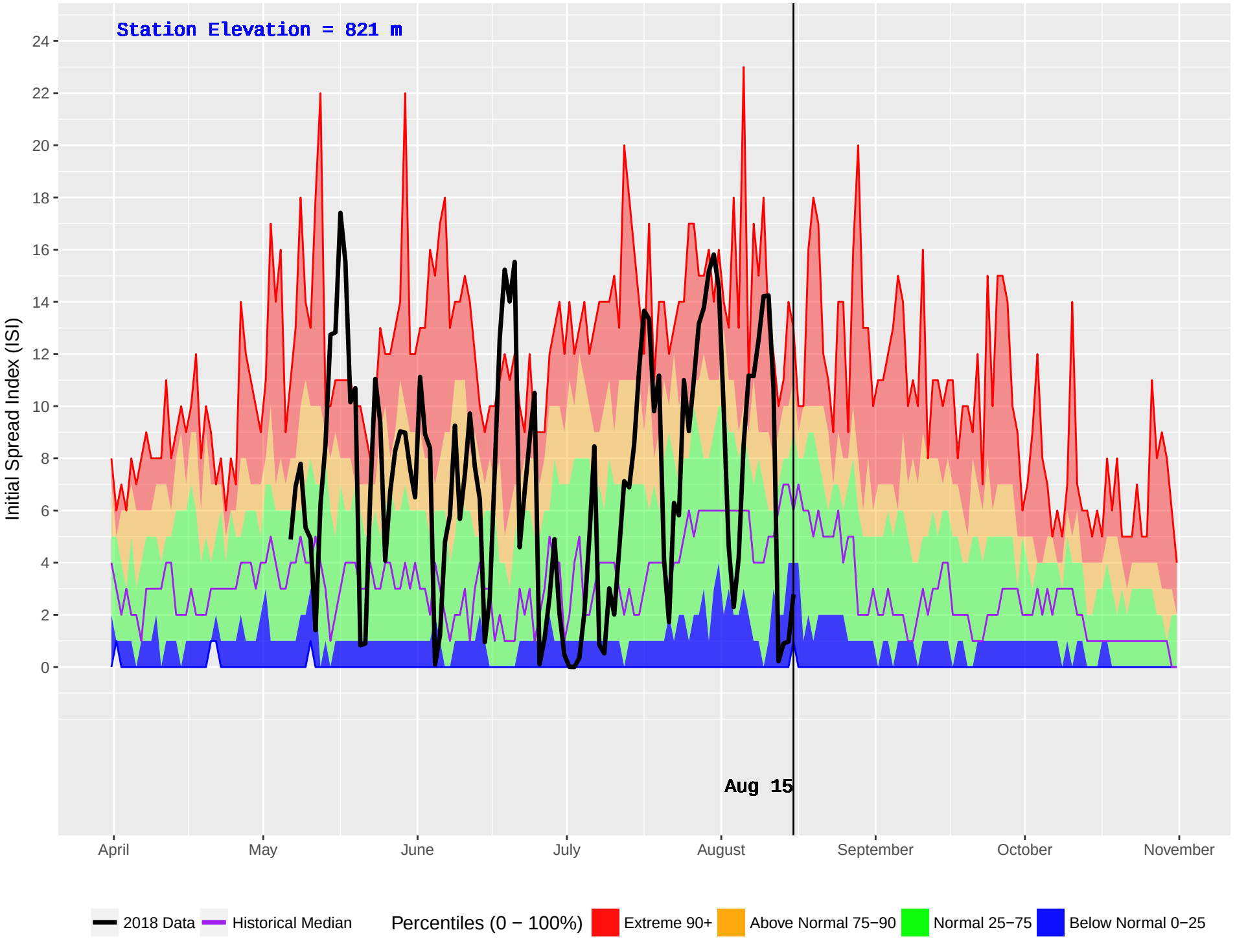

KNIFE (225) : Historical (1991−2016) and Current (2018) Daily Wind Speed
Station Elevation = 821 m
Wind Speed (km/hr)
25
20
15
10
5
0
Aug 15
April
May
June
July
August
September
October
November
2018 Data
Historical Median
Percentiles (0 − 100%)
Extreme 90+
Above Normal 75−90
Normal 25−75
Below Normal 0−25

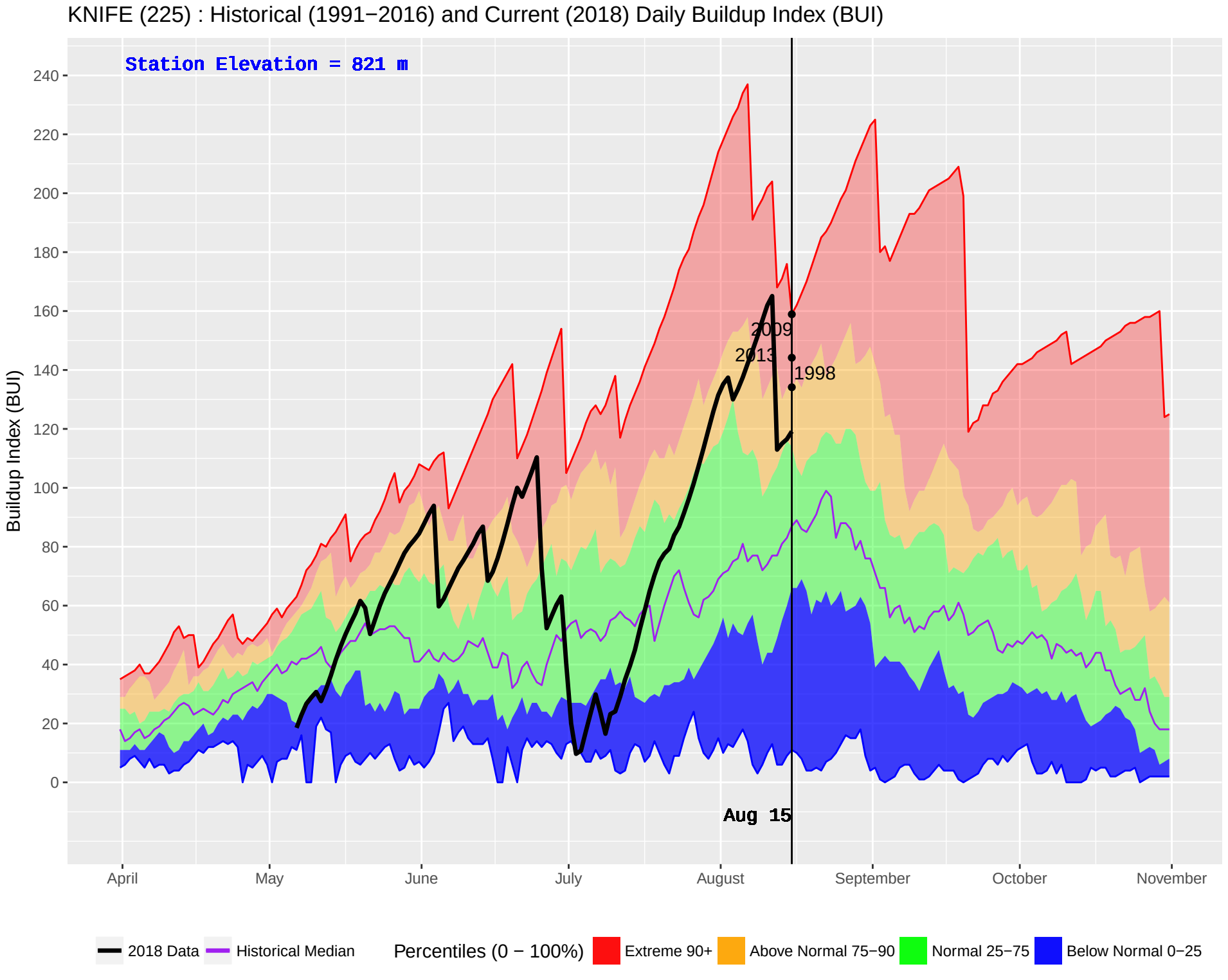

KNIFE (225) : Historical (1991−2016) and Current (2018) Daily Cumulative Precipitation
Station Elevation = 821 m
Cumulative Precipitation (mm)
400
375
350
325
300
275
250
225
200
175
150
125
100
75
50
25
0
April
May
June
July
August
September
October
November
1992
2009
1994
Aug 15
2018 Data
Historical Median
Percentiles (0 − 100%)
Above Normal 75+
Normal 25−75
Below Normal 10−25
Extreme < 10

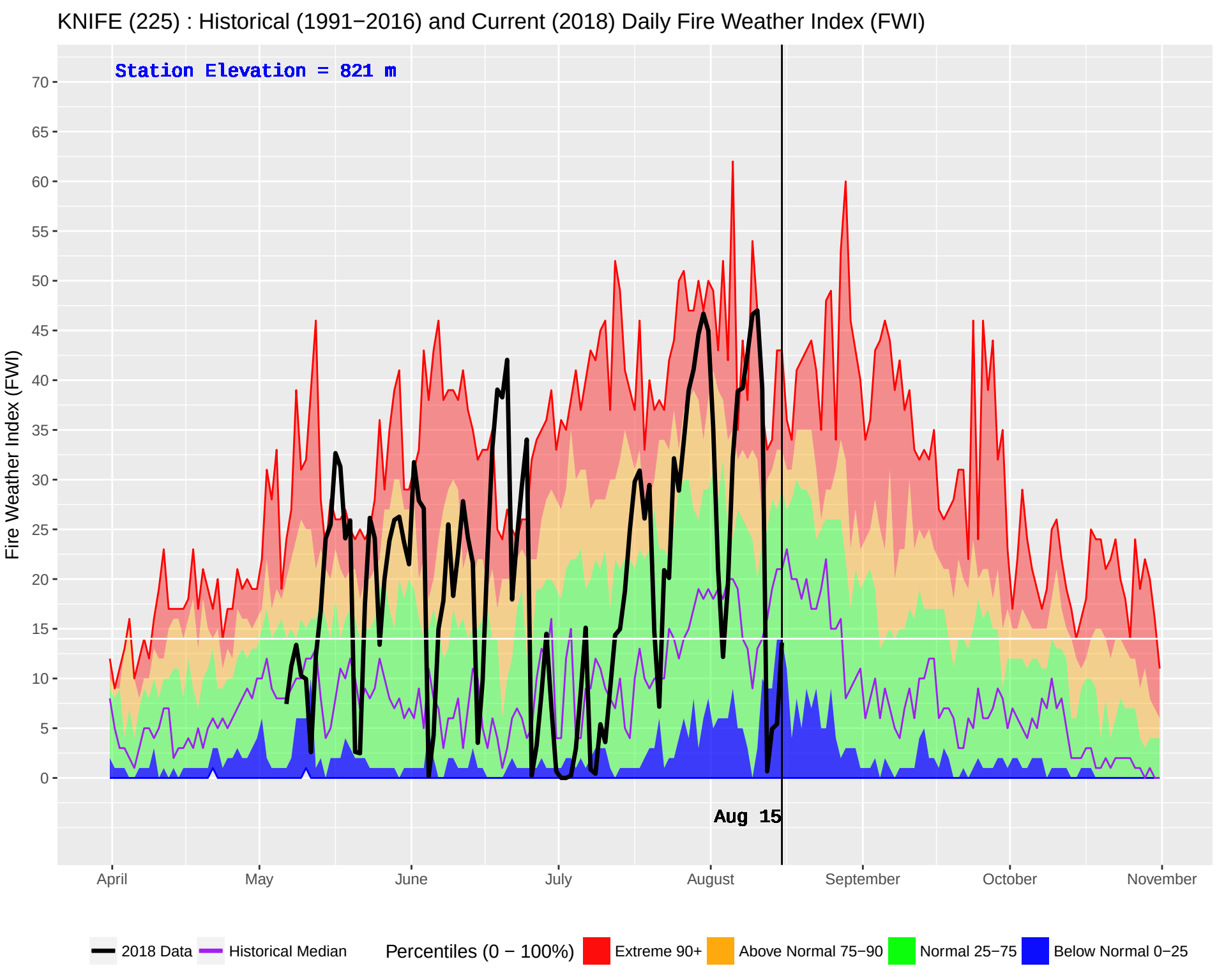

KNIFE (225) : Historical (1991−2016) and Current (2018) Daily Fine Fuel Moisture Code (FFMC)
Station Elevation = 821 m
Fine Fuel Moisture Code (FFMC)
101
100
99
98
97
96
95
94
93
92
91
90
89
88
87
86
85
84
83
82
81
80
79
78
77
76
75
Aug 15
April
May
June
July
August
September
October
November
2018 Data
Historical Median
Percentiles (0 − 100%)
Extreme 90+
Above Normal 75−90
Normal 25−75
Below Normal 0−25


KNIFE (225) : Historical (1991−2016) and Current (2018) Daily Duff Moisture Code (DMC)
Station Elevation = 821 m
Duff Moisture Code (DMC)
220
200
180
160
140
120
100
80
60
40
20
0
2009
2013
2005
Aug 15
April
May
June
July
August
September
October
November
2018 Data
Historical Median
Percentiles (0 − 100%)
Extreme 90+
Above Normal 75−90
Normal 25−75
Below Normal 0−25


KNIFE (225) : Historical (1991−2016) and Current (2018) Daily Drought Code (DC)
Station Elevation = 821 m
Drought Code (DC)
0
50
100
150
200
250
300
350
400
450
500
550
600
650
700
750
2003
2009
2007
Aug 15
April
May
June
July
August
September
October
November
2018 Data
Historical Median
Percentiles (0 − 100%)
Extreme 90+
Above Normal 75−90
Normal 25−75
Below Normal 0−25


KNIFE (225) : Historical (1991−2016) and Current (2018) Daily Initial Spread Index (ISI)
Station Elevation = 821 m
Initial Spread Index (ISI)
0
2
4
6
8
10
12
14
16
18
20
22
24
Aug 15
April
May
June
July
August
September
October
November
2018 Data
Historical Median
Percentiles (0 − 100%)
Extreme 90+
Above Normal 75−90
Normal 25−75
Below Normal 0−25


KNIFE (225) : Historical (1991−2016) and Current (2018) Daily Buildup Index (BUI)
Station Elevation = 821 m
Buildup Index (BUI)
240
220
200
180
160
140
120
100
80
60
40
20
0
2009
2013
1998
Aug 15
April
May
June
July
August
September
October
November
2018 Data
Historical Median
Percentiles (0 − 100%)
Extreme 90+
Above Normal 75−90
Normal 25−75
Below Normal 0−25


KNIFE (225) : Historical (1991−2016) and Current (2018) Daily Fire Weather Index (FWI)
Station Elevation = 821 m
Fire Weather Index (FWI)
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
Aug 15
April
May
June
July
August
September
October
November
2018 Data
Historical Median
Percentiles (0 − 100%)
Extreme 90+
Above Normal 75−90
Normal 25−75
Below Normal 0−25

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