Fire Weather Climatology

and

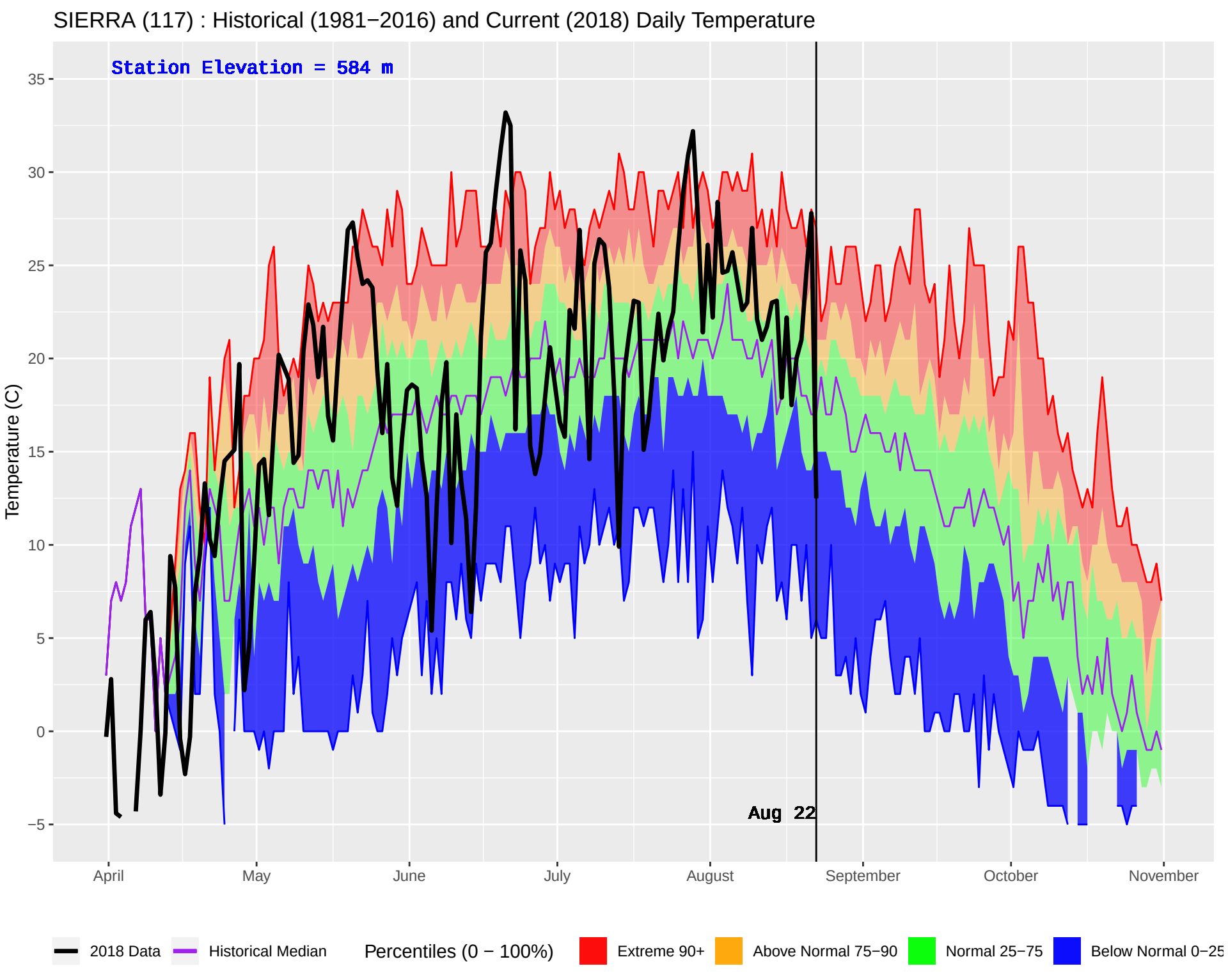
Current (2018) Conditions

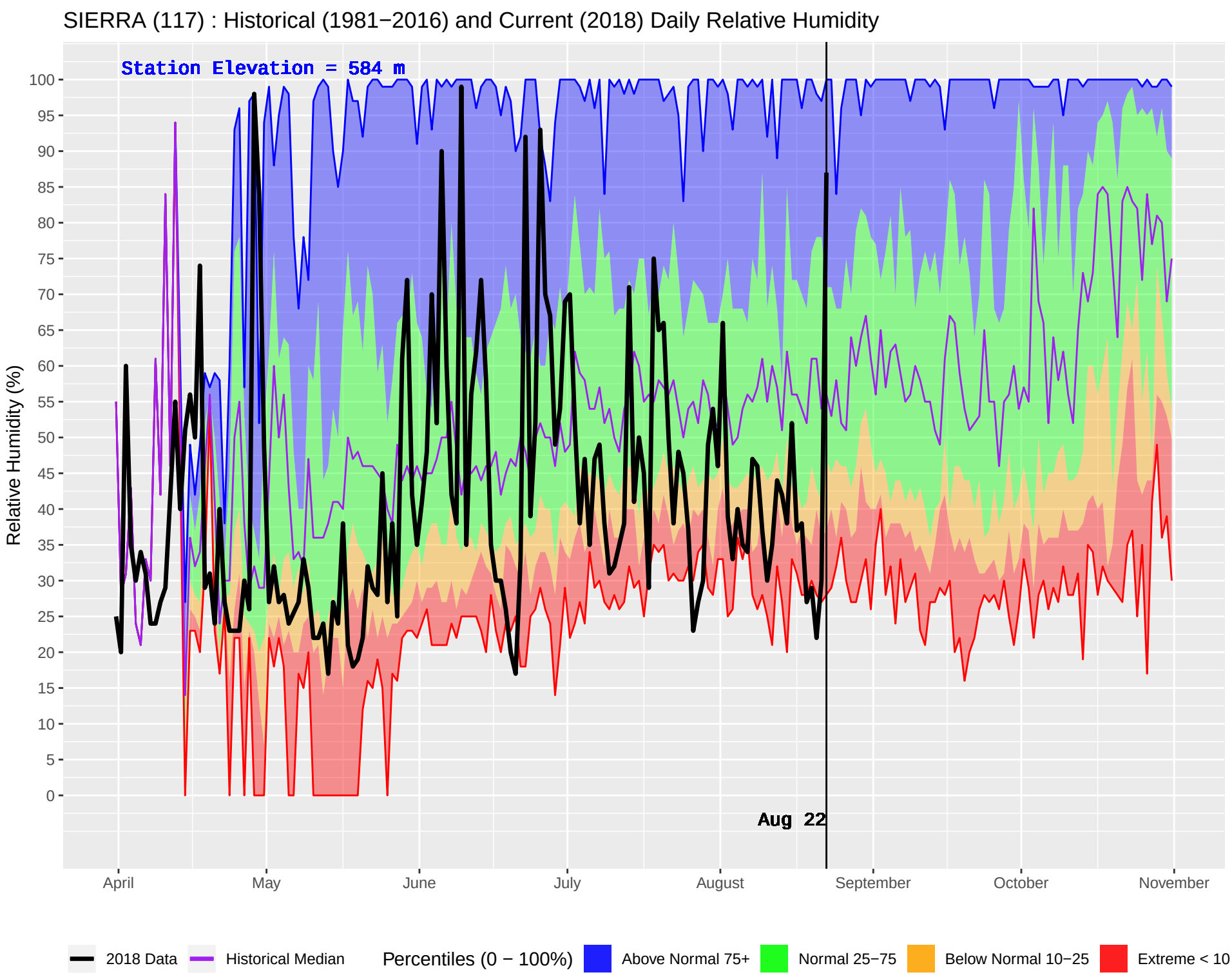
for

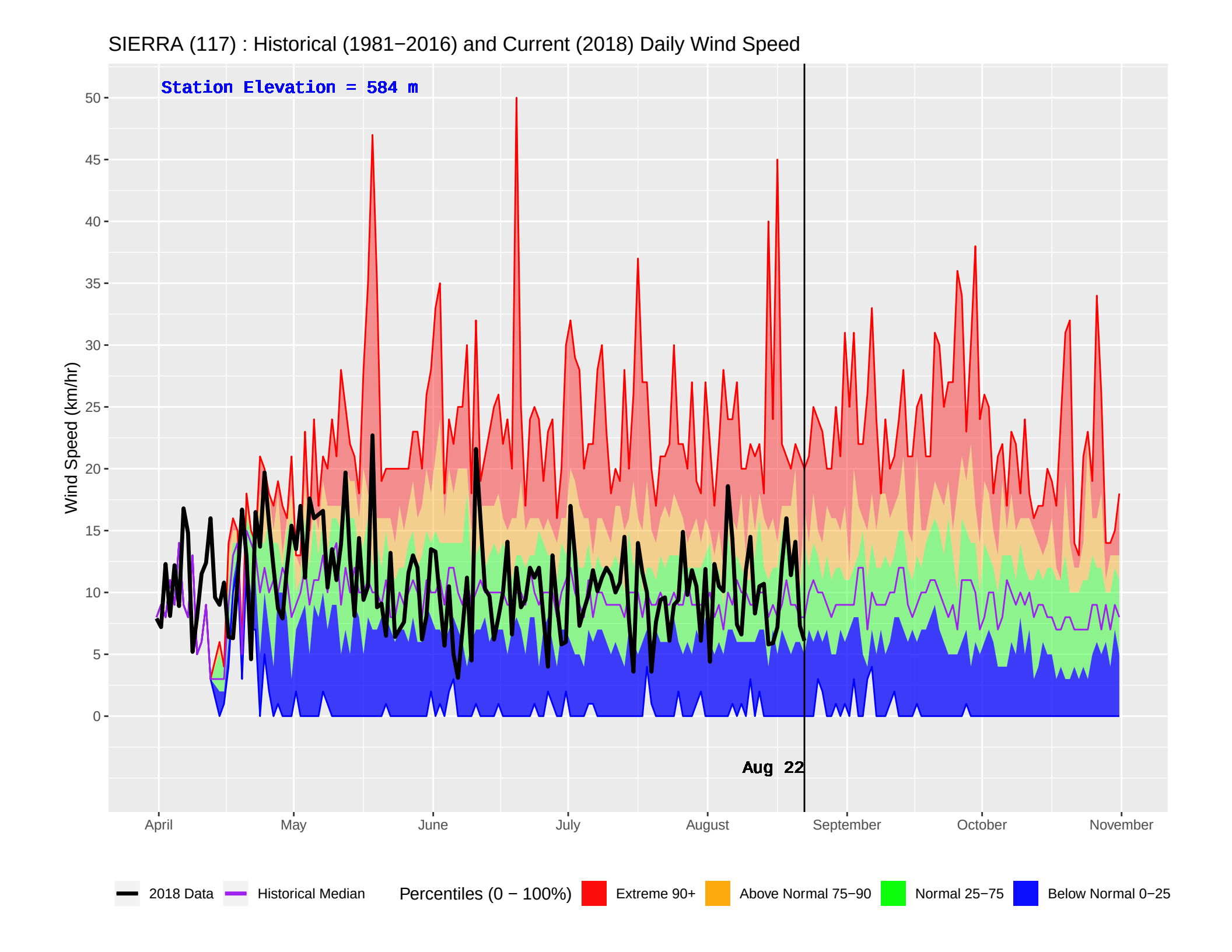
BC: SIERRA Weather Station

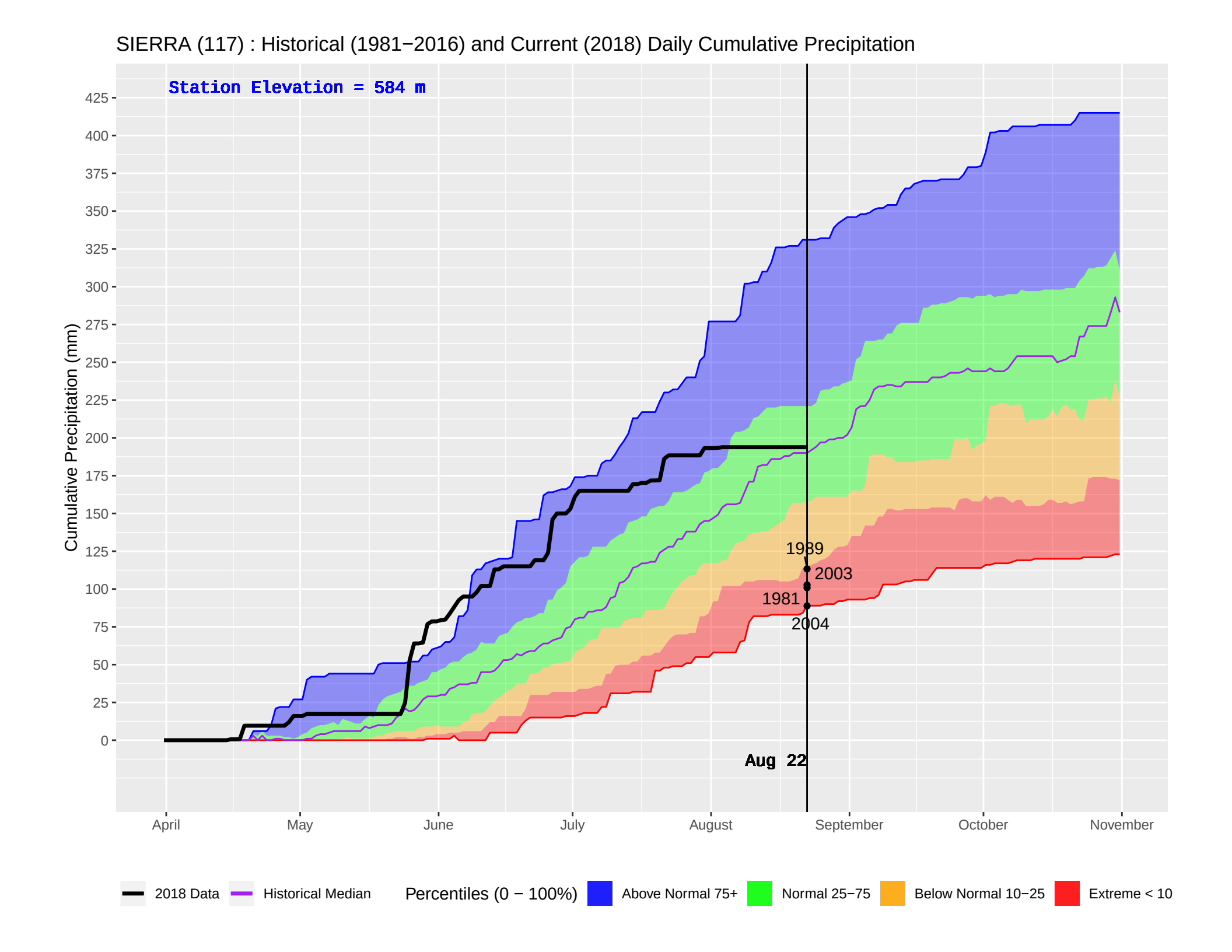
as of

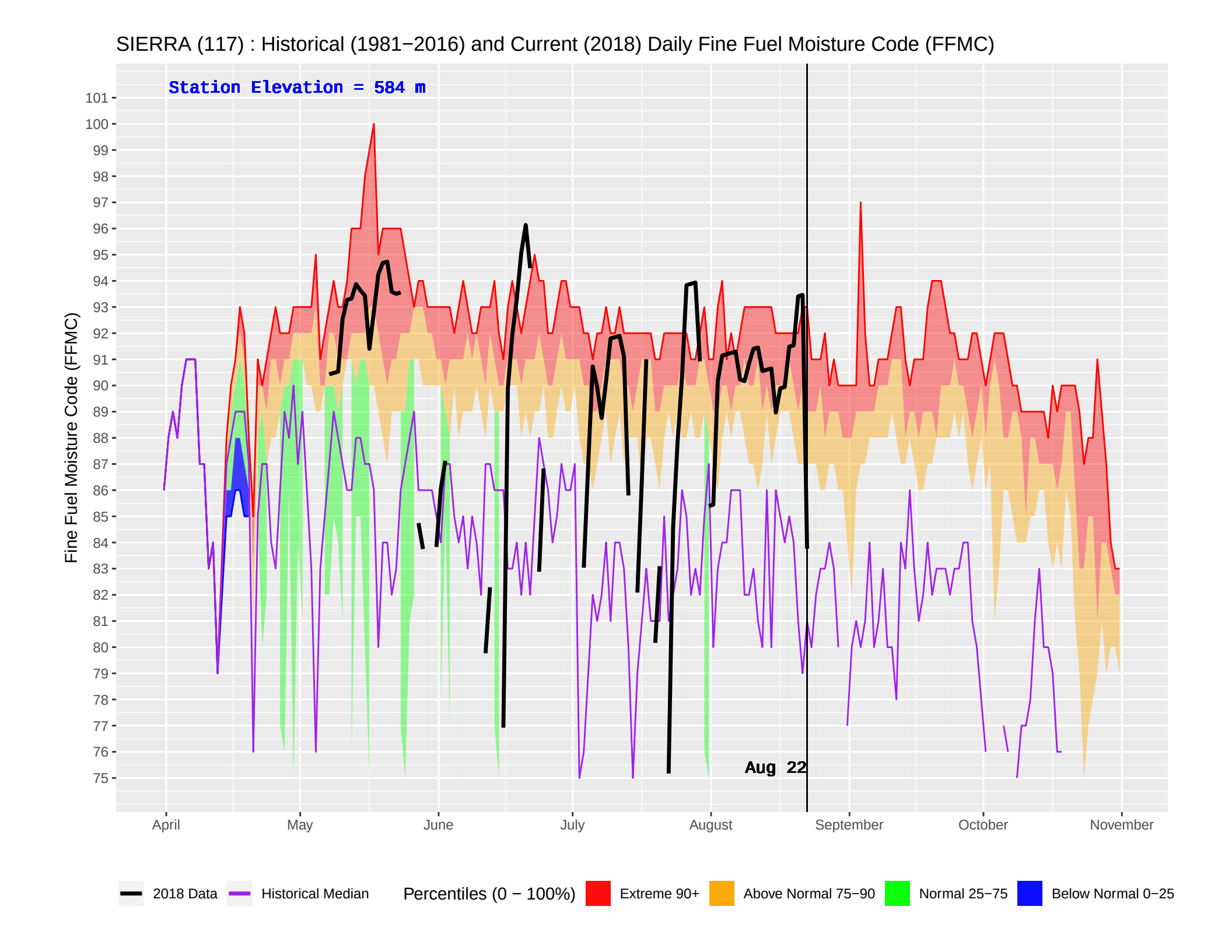
August 22, 2018

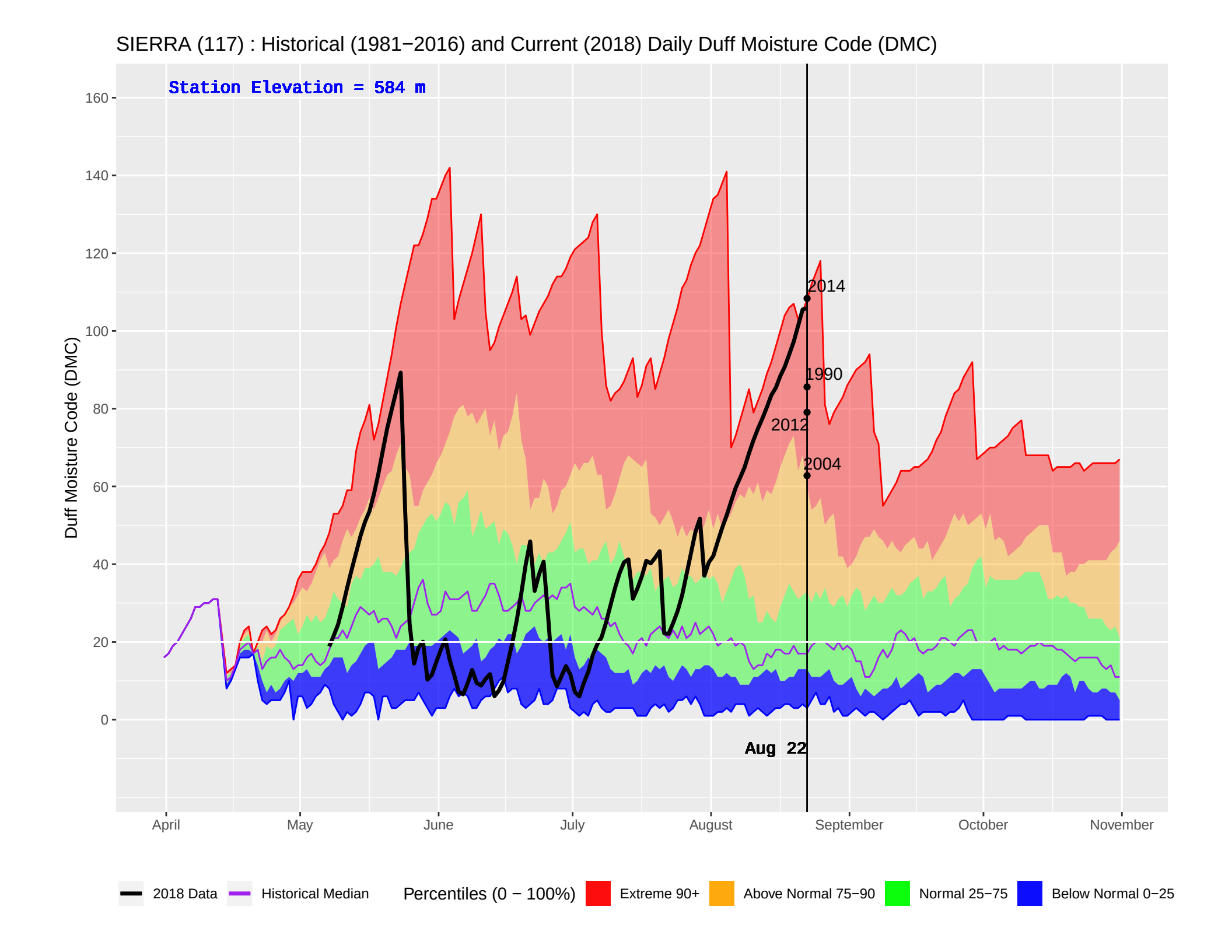

SIERRA (117) : Historical (1981−2016) and Current (2018) Daily Temperature
Station Elevation = 584 m
Temperature (C)
35
30
25
20
15
10
5
0
−5
April
May
June
July
August
September
October
November
Aug 22
2018 Data
Historical Median
Percentiles (0 − 100%)
Extreme 90+
Above Normal 75−90
Normal 25−75
Below Normal 0−25

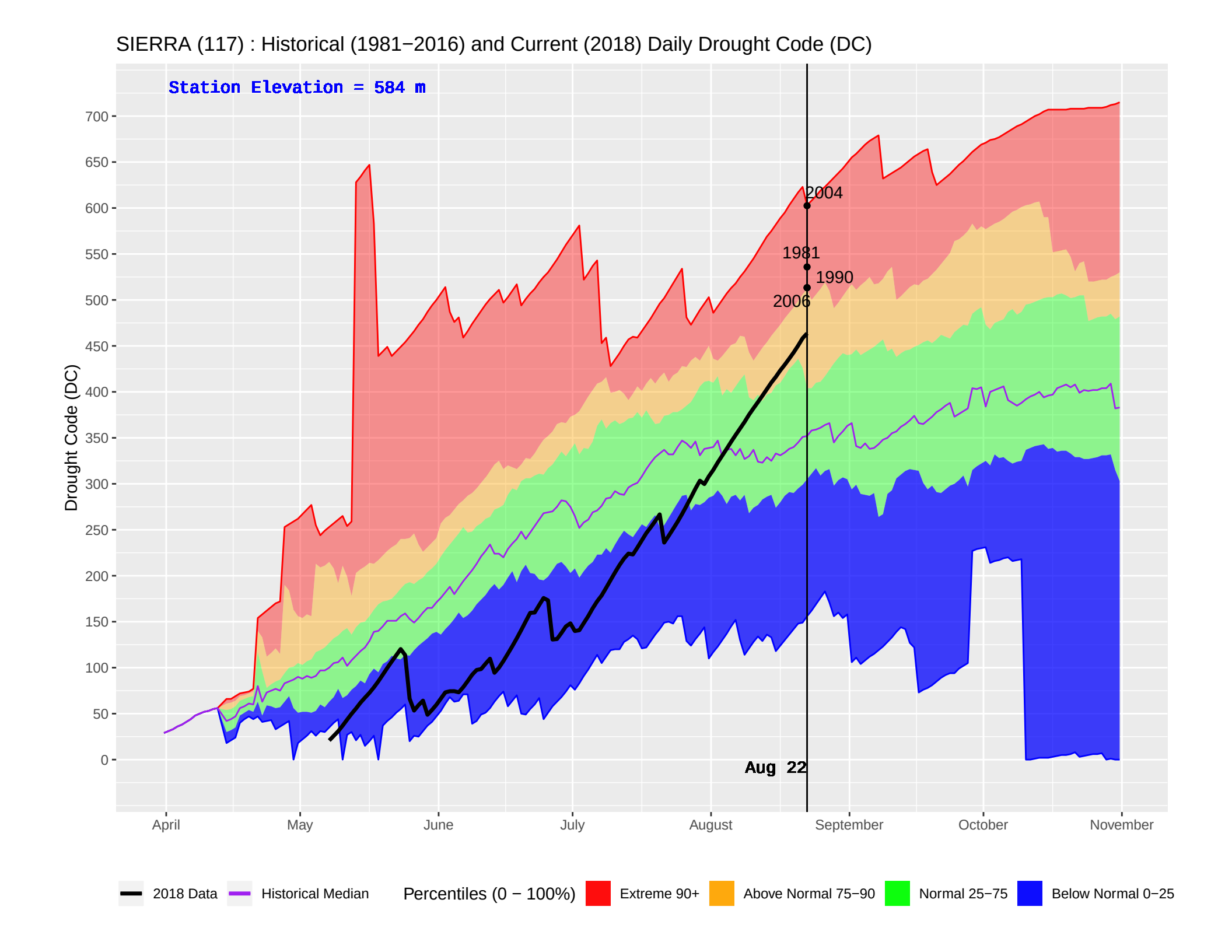

SIERRA (117) : Historical (1981−2016) and Current (2018) Daily Relative Humidity
Station Elevation = 584 m
Relative Humidity (%)
100
95
90
85
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
Aug 22
April
May
June
July
August
September
October
November
2018 Data
Historical Median
Percentiles (0 − 100%)
Above Normal 75+
Normal 25−75
Below Normal 10−25
Extreme < 10

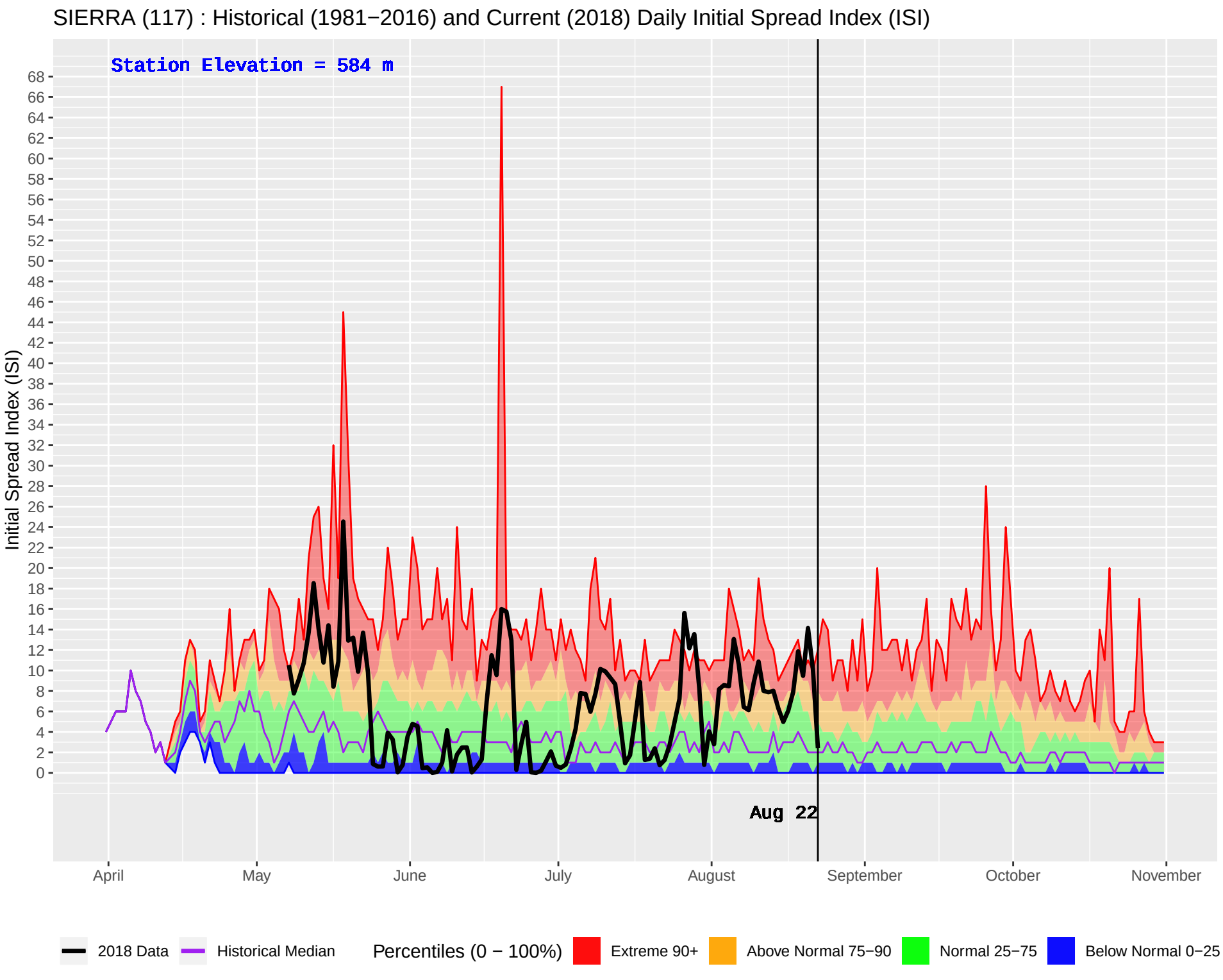

SIERRA (117) : Historical (1981−2016) and Current (2018) Daily Wind Speed
Station Elevation = 584 m
Wind Speed (km/hr)
50
45
40
35
30
25
20
15
10
5
0
Aug 22
April
May
June
July
August
September
October
November
2018 Data
Historical Median
Percentiles (0 − 100%)
Extreme 90+
Above Normal 75−90
Normal 25−75
Below Normal 0−25

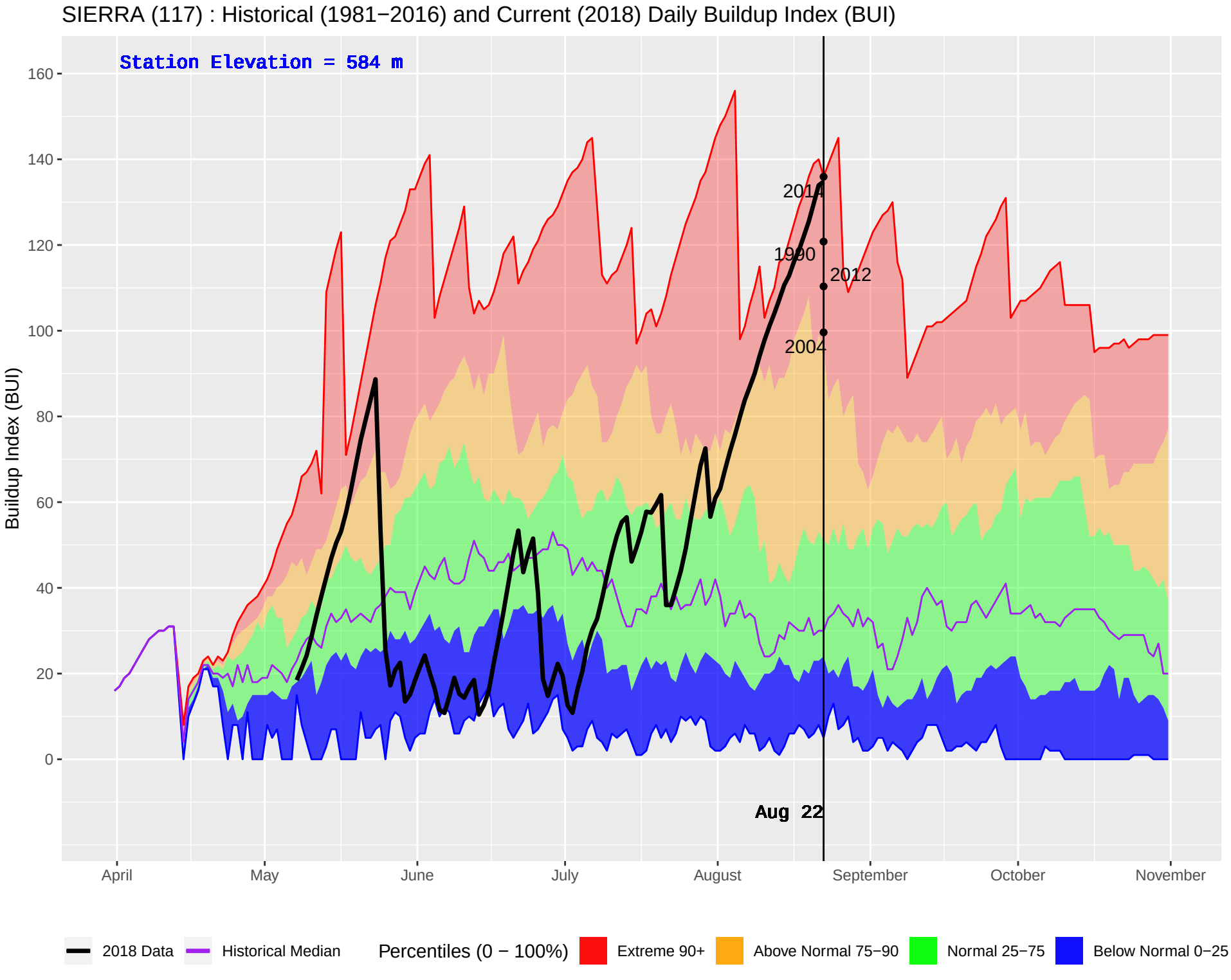

SIERRA (117) : Historical (1981−2016) and Current (2018) Daily Cumulative Precipitation
Station Elevation = 584 m
Cumulative Precipitation (mm)
425
400
375
350
325
300
275
250
225
200
175
150
125
100
75
50
25
0
April
May
June
July
August
September
October
November
1989
2003
1981
2004
Aug 22
2018 Data
Historical Median
Percentiles (0 − 100%)
Above Normal 75+
Normal 25−75
Below Normal 10−25
Extreme < 10

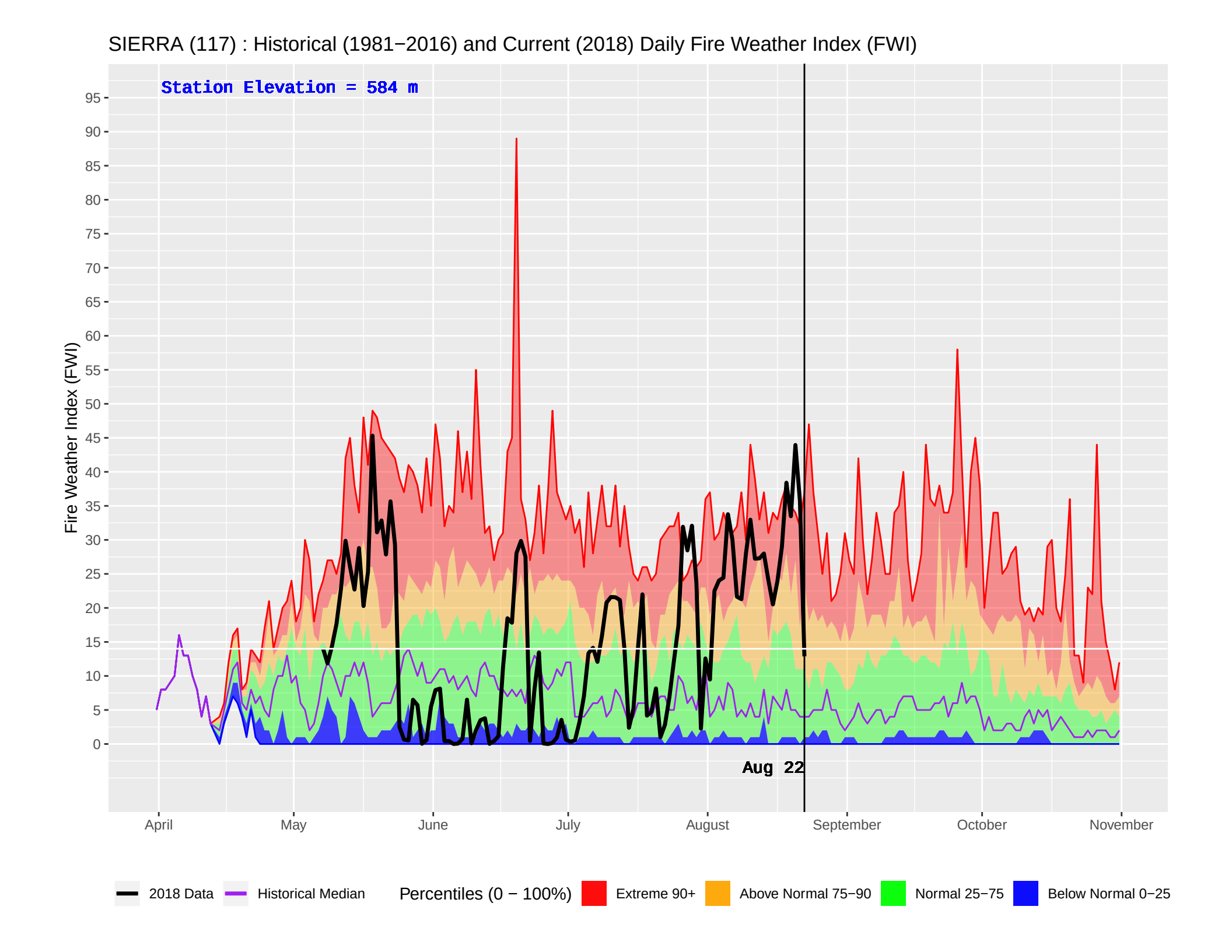

SIERRA (117) : Historical (1981−2016) and Current (2018) Daily Fine Fuel Moisture Code (FFMC)
Station Elevation = 584 m
Fine Fuel Moisture Code (FFMC)
101
100
99
98
97
96
95
94
93
92
91
90
89
88
87
86
85
84
83
82
81
80
79
78
77
76
75
April
May
June
July
August
September
October
November
Aug 22
2018 Data
Historical Median
Percentiles (0 − 100%)
Extreme 90+
Above Normal 75−90
Normal 25−75
Below Normal 0−25


SIERRA (117) : Historical (1981−2016) and Current (2018) Daily Duff Moisture Code (DMC)
Station Elevation = 584 m
Duff Moisture Code (DMC)
160
140
120
100
80
60
40
20
0
2014
1990
2012
2004
Aug 22
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


SIERRA (117) : Historical (1981−2016) and Current (2018) Daily Drought Code (DC)
Station Elevation = 584 m
Drought Code (DC)
700
650
600
550
500
450
400
350
300
250
200
150
100
50
0
2004
1981
1990
2006
Aug 22
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


SIERRA (117) : Historical (1981−2016) and Current (2018) Daily Initial Spread Index (ISI)
Station Elevation = 584 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
Aug 22
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


SIERRA (117) : Historical (1981−2016) and Current (2018) Daily Buildup Index (BUI)
Station Elevation = 584 m
Buildup Index (BUI)
160
140
120
100
80
60
40
20
0
2014
1990
2012
2004
Aug 22
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


SIERRA (117) : Historical (1981−2016) and Current (2018) Daily Fire Weather Index (FWI)
Station Elevation = 584 m
Fire Weather Index (FWI)
95
90
85
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
Aug 22
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

For Questions/Comments/Suggestions Contact:
Brad Armitage
Ember Research Services Ltd.
(250) 213−2600
Brad.Armitage@EmberResearch.com