Fire Weather Climatology

and

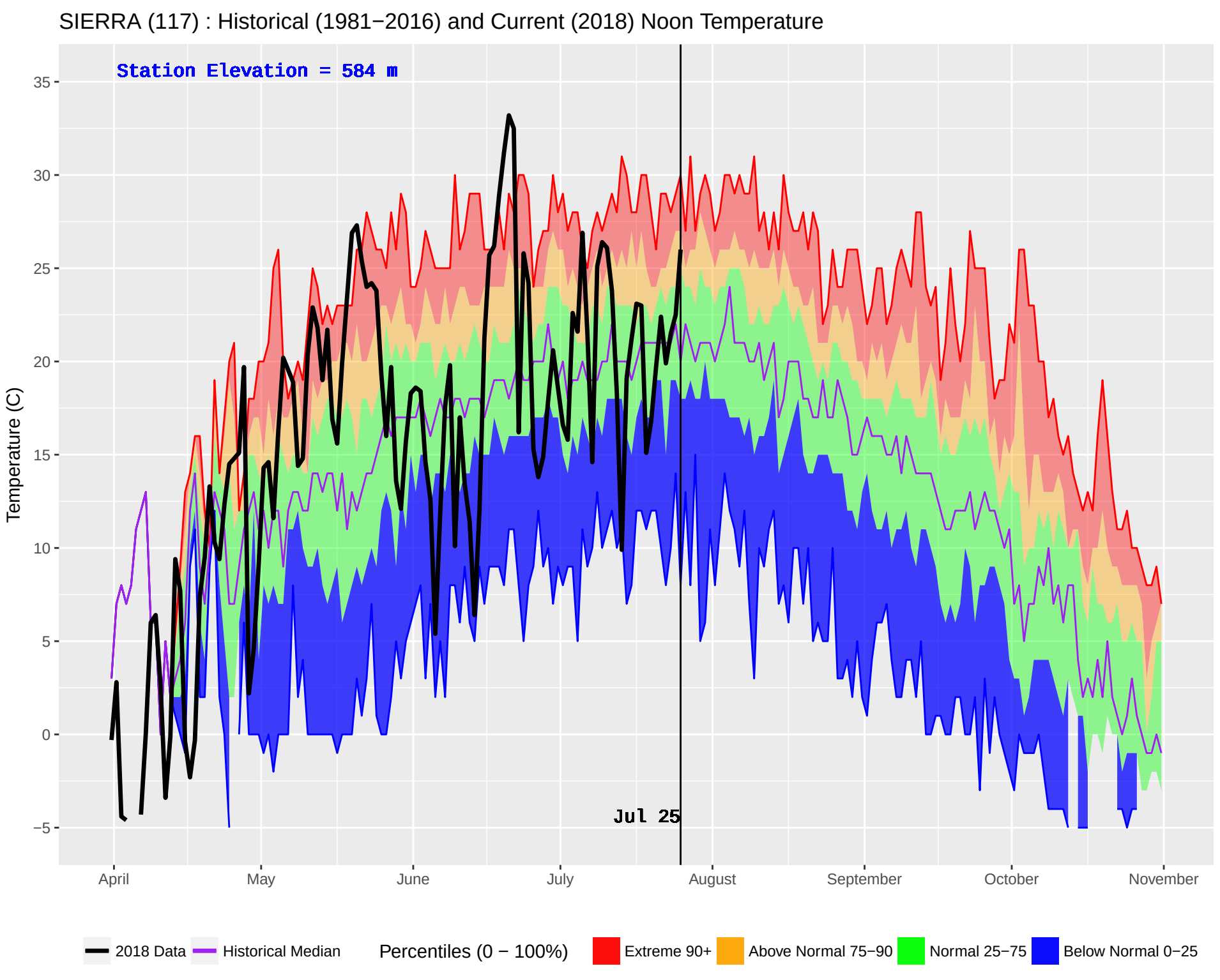
Current (2018) Conditions

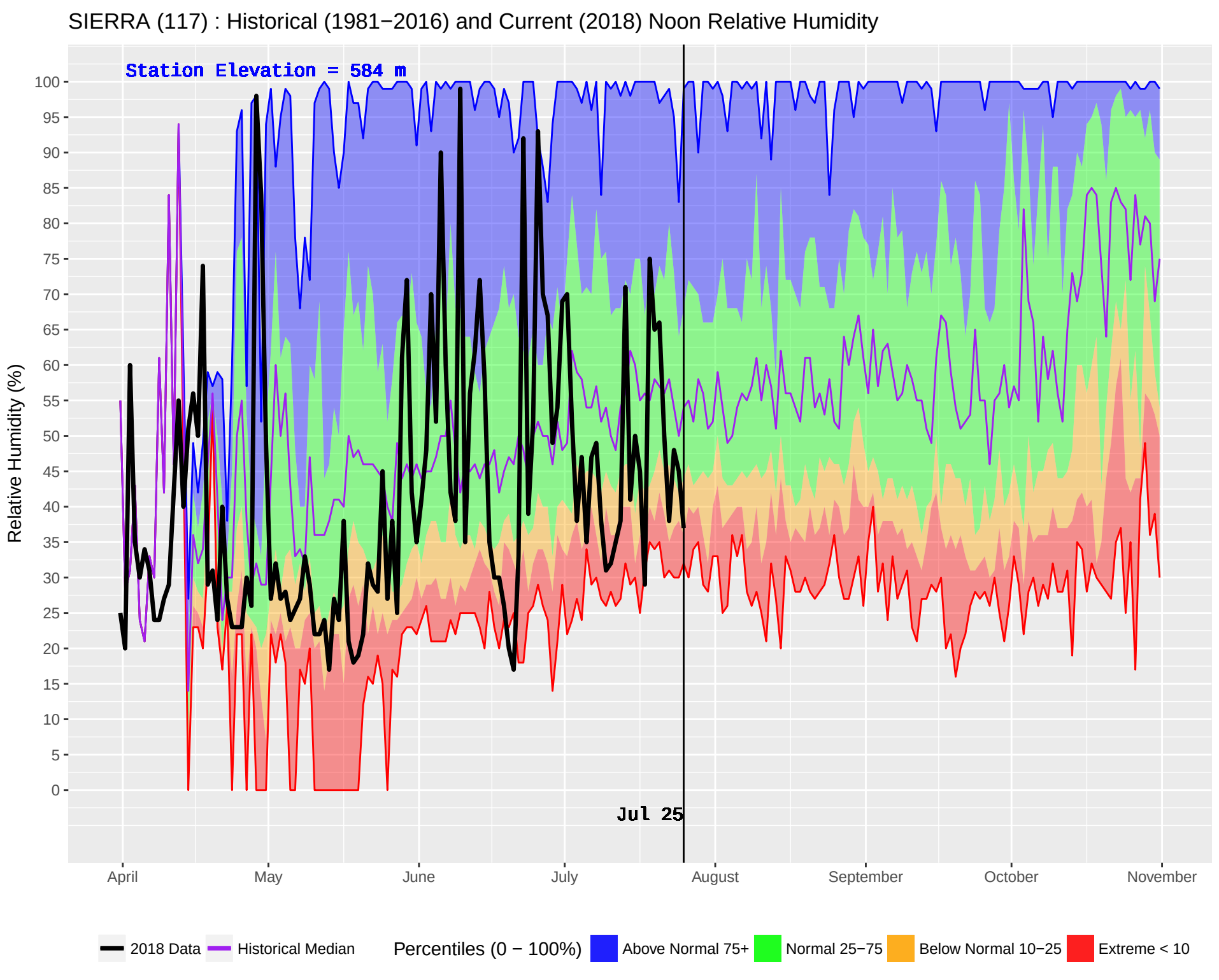
for

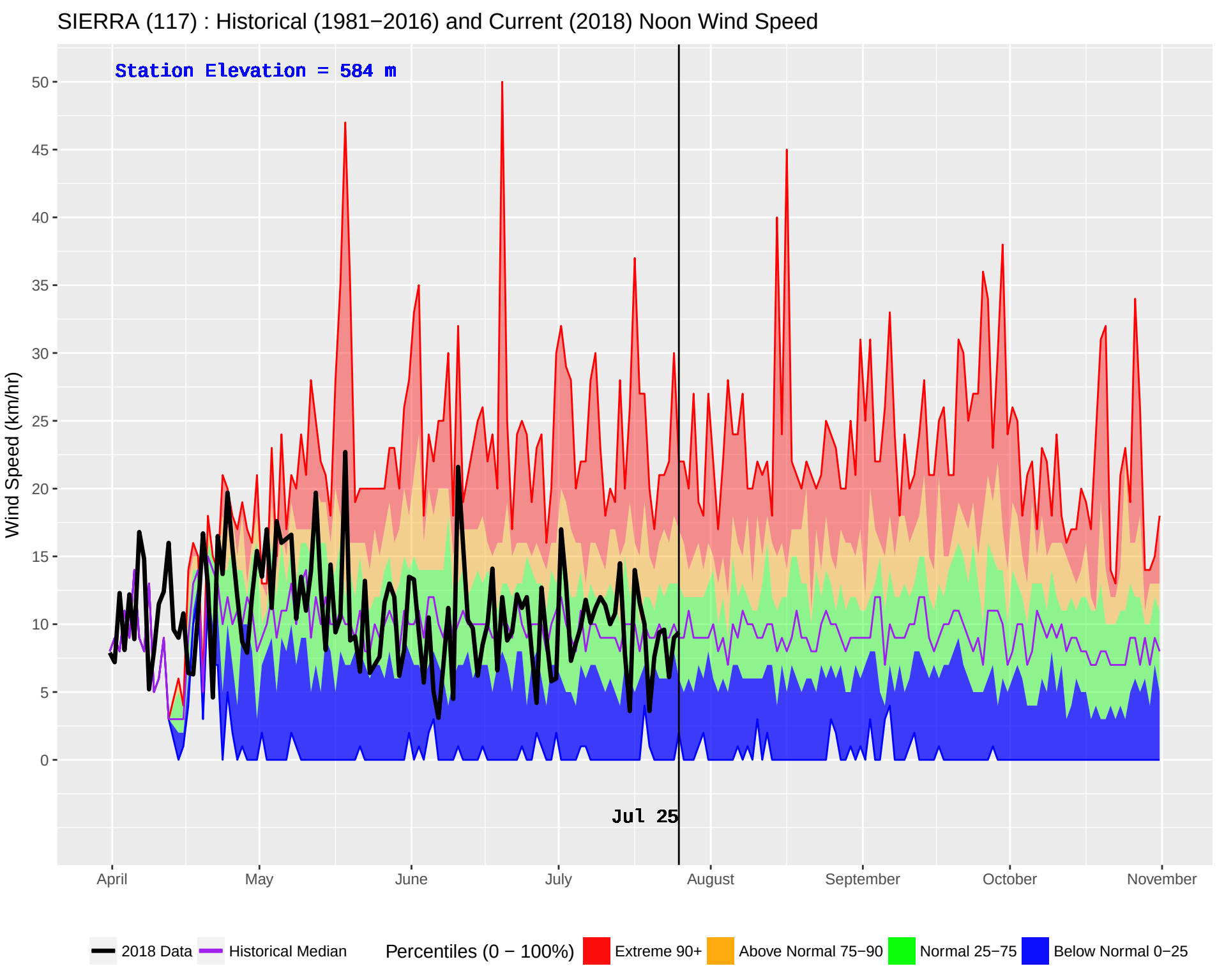
BC: SIERRA Weather Station

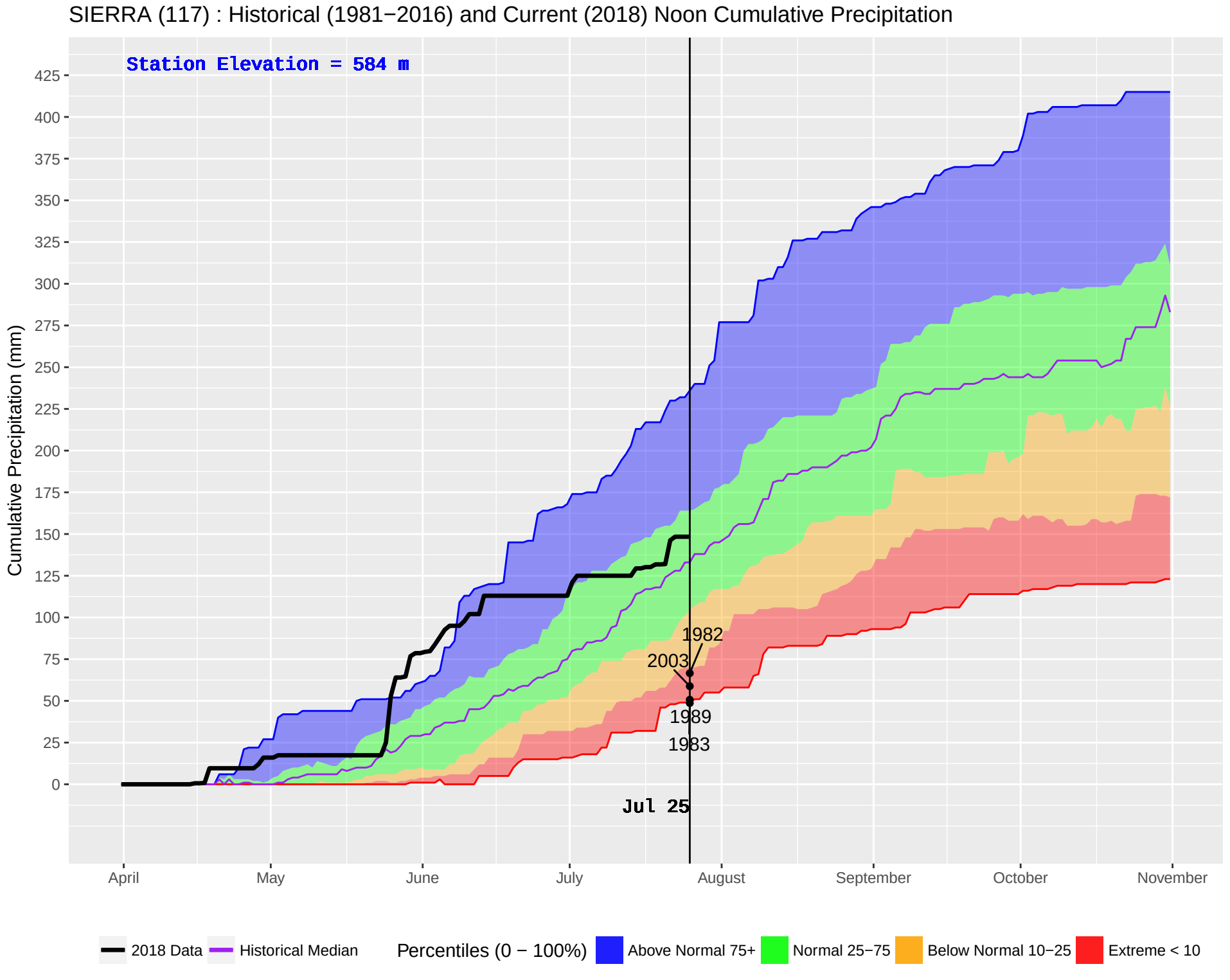
as of

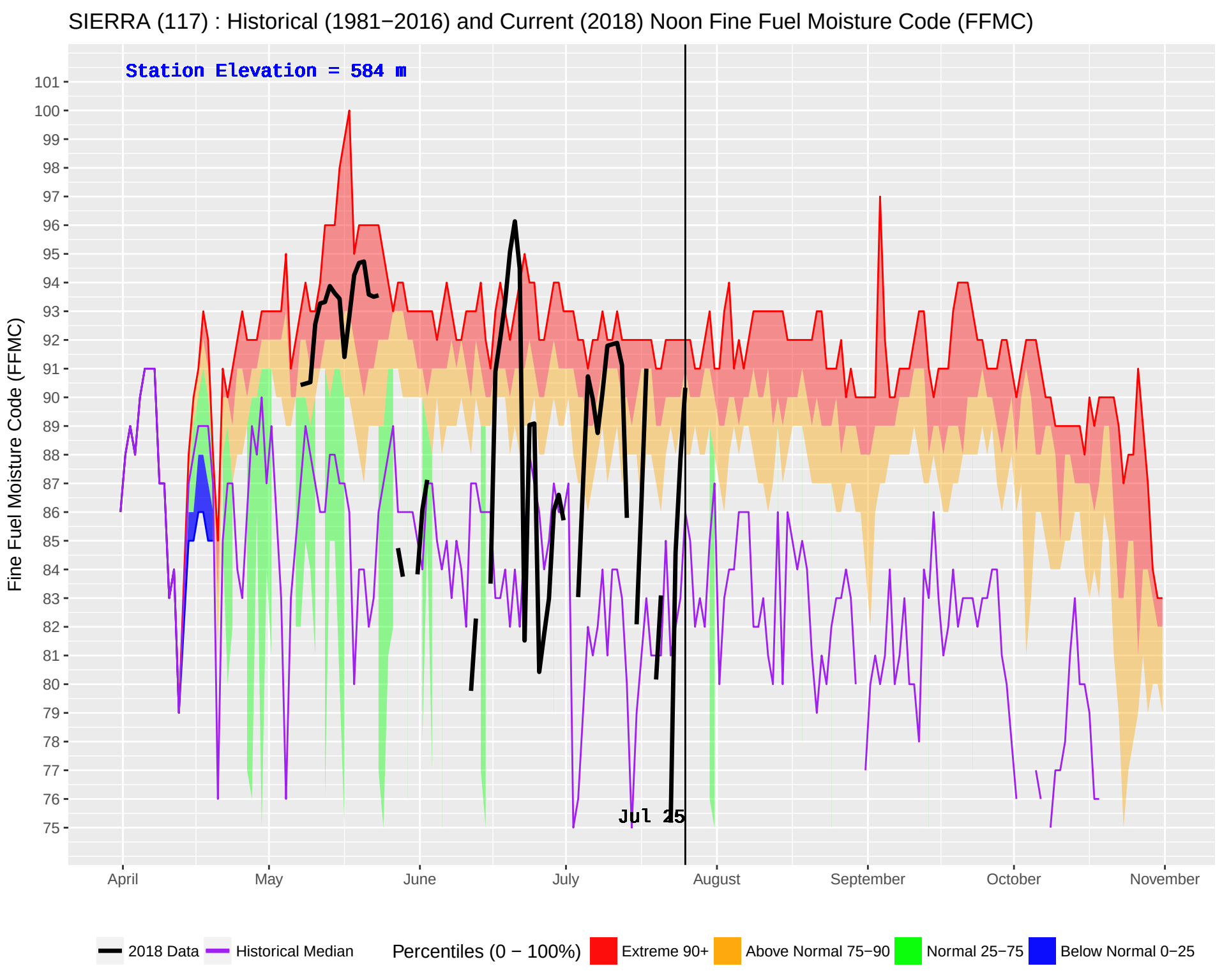
July 25, 2018

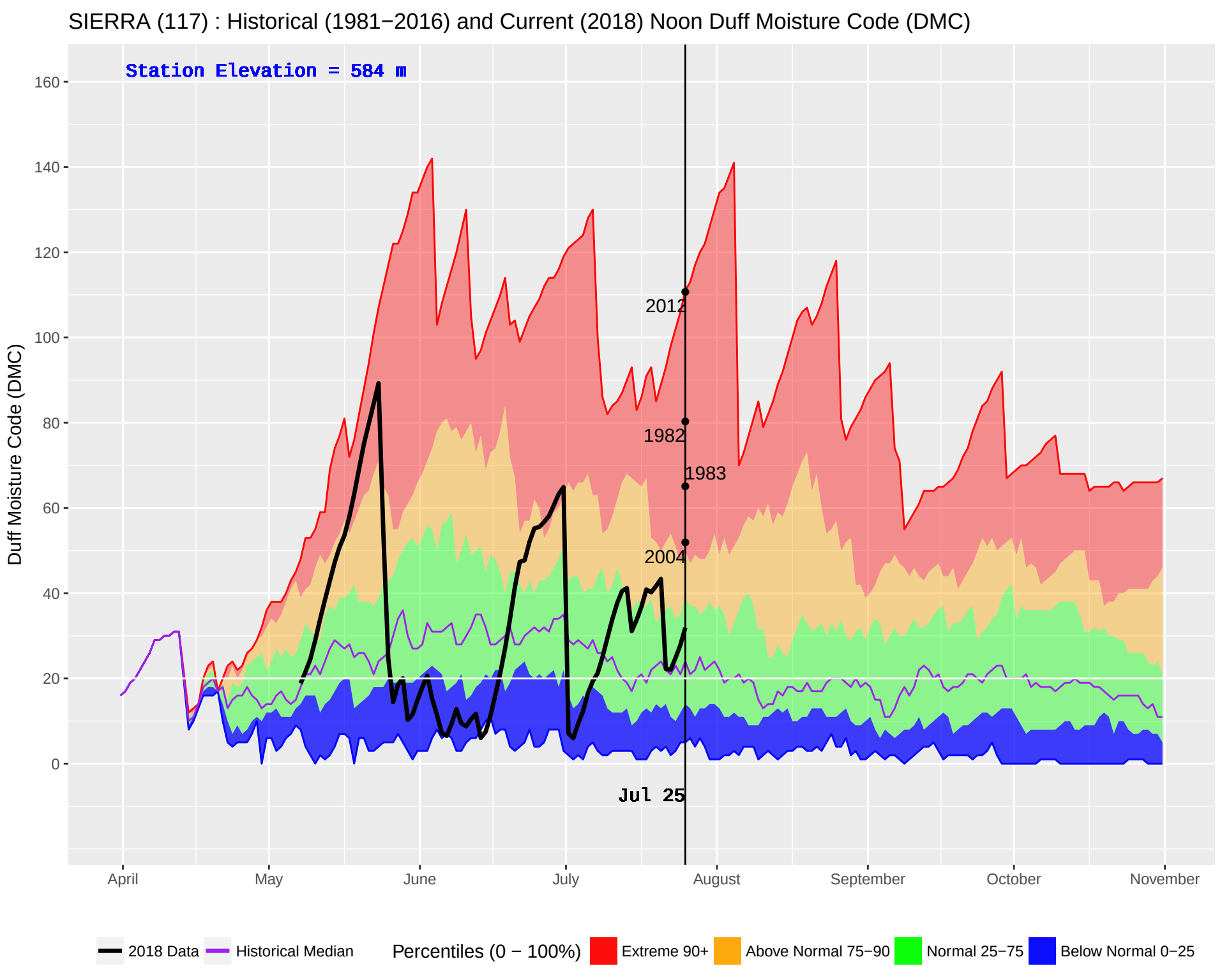

SIERRA (117) : Historical (1981−2016) and Current (2018) Noon Temperature
Station Elevation = 584 m
Temperature (C)
35
30
25
20
15
10
5
0
−5
Jul 25
April
May
June
July
August
September
October
November
2018 Data
Historical Median
Percentiles (0 − 100%)
Extreme 90+
Above Normal 75−90
Normal 25−75
Below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

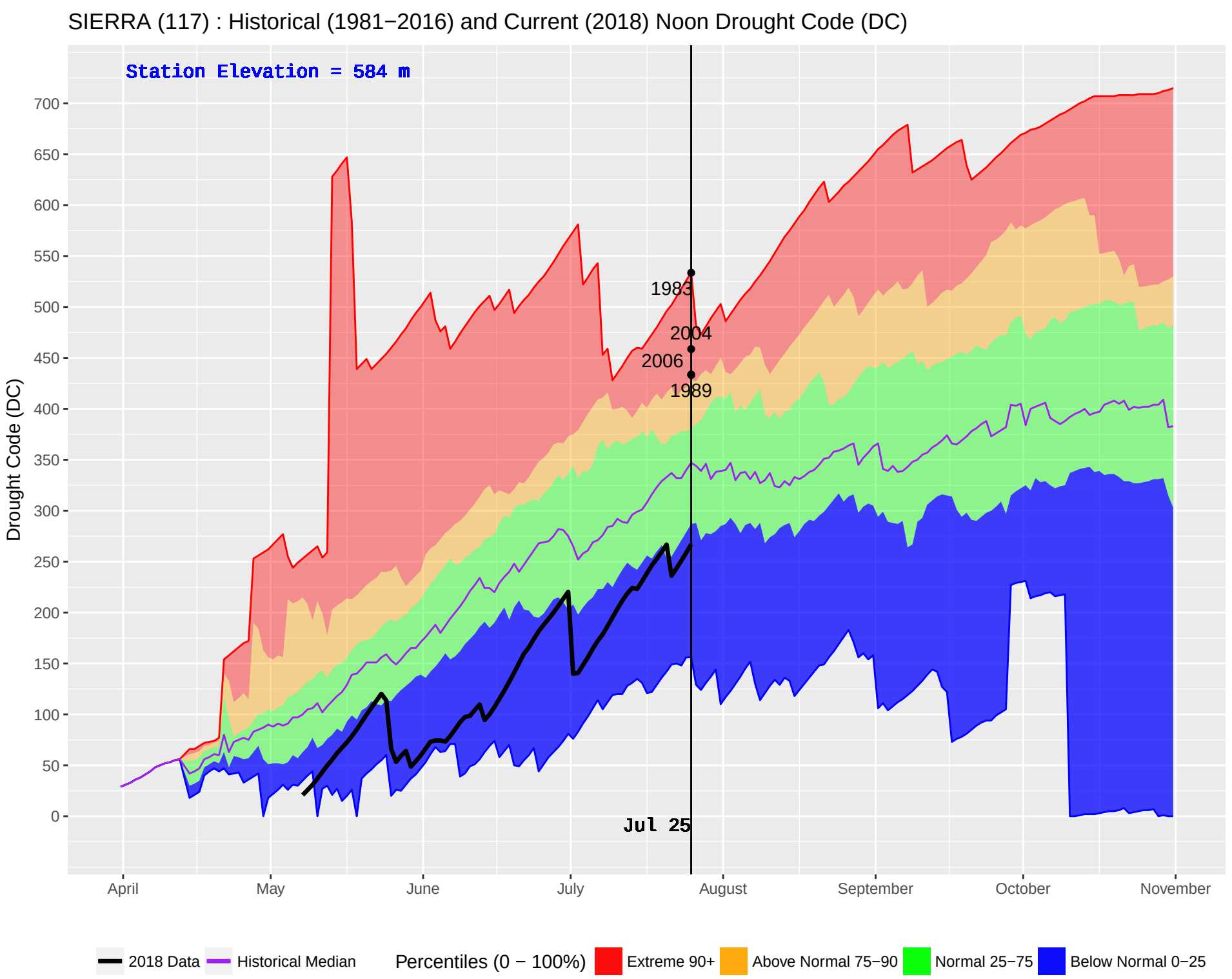

SIERRA (117) : Historical (1981−2016) and Current (2018) Noon Relative Humidity
Station Elevation = 584 m
Jul 25
Relative Humidity (%)
100
95
90
85
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
April
May
June
July
August
September
October
November
2018 Data
Historical Median
Percentiles (0 − 100%)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

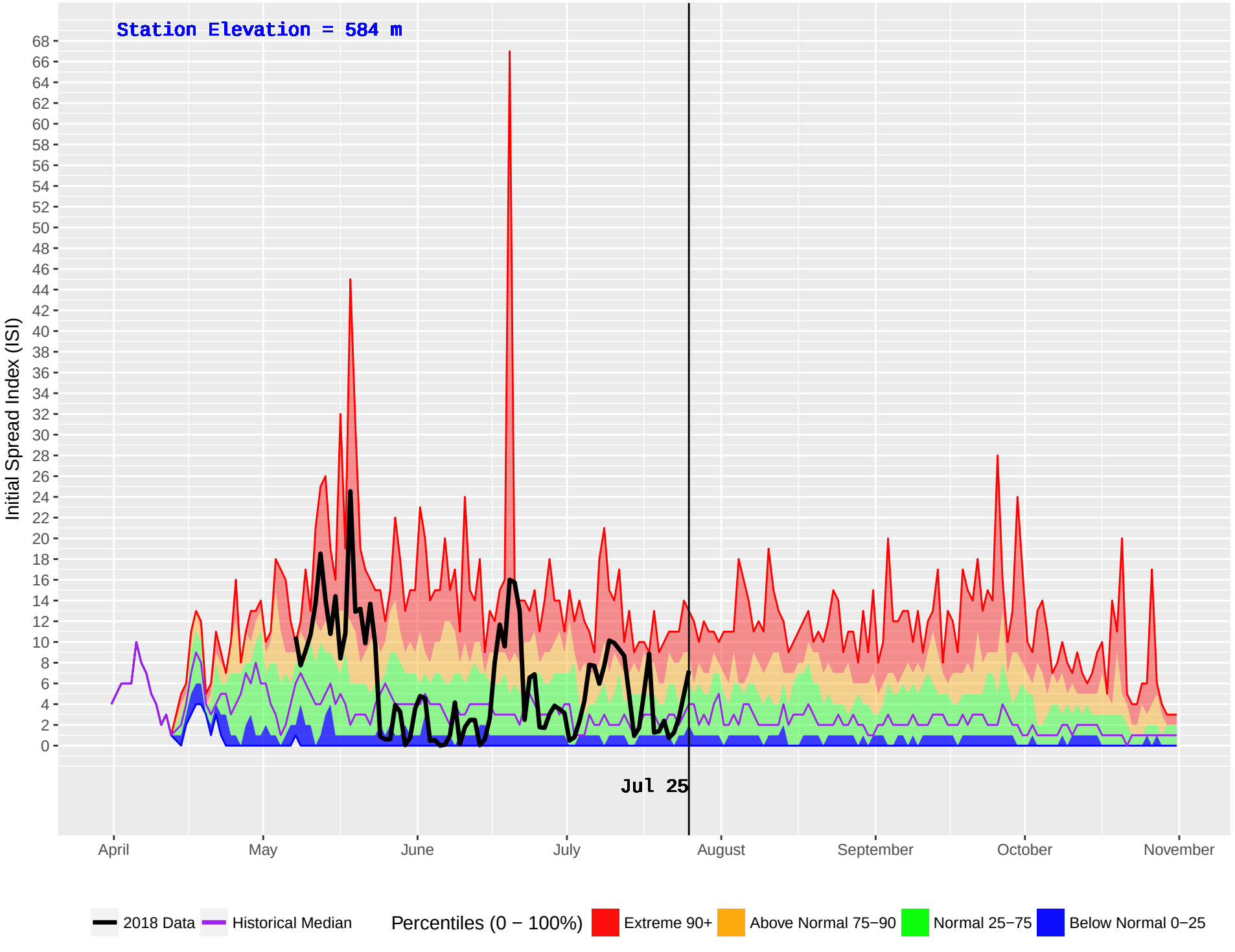

SIERRA (117) : Historical (1981−2016) and Current (2018) Noon Wind Speed
Station Elevation = 584 m
Wind Speed (km/hr)
50
45
40
35
30
25
20
15
10
5
0
Jul 25
April
May
June
July
August
September
October
November
2018 Data
Historical Median
Percentiles (0 − 100%)
Extreme 90+
Above Normal 75−90
Normal 25−75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

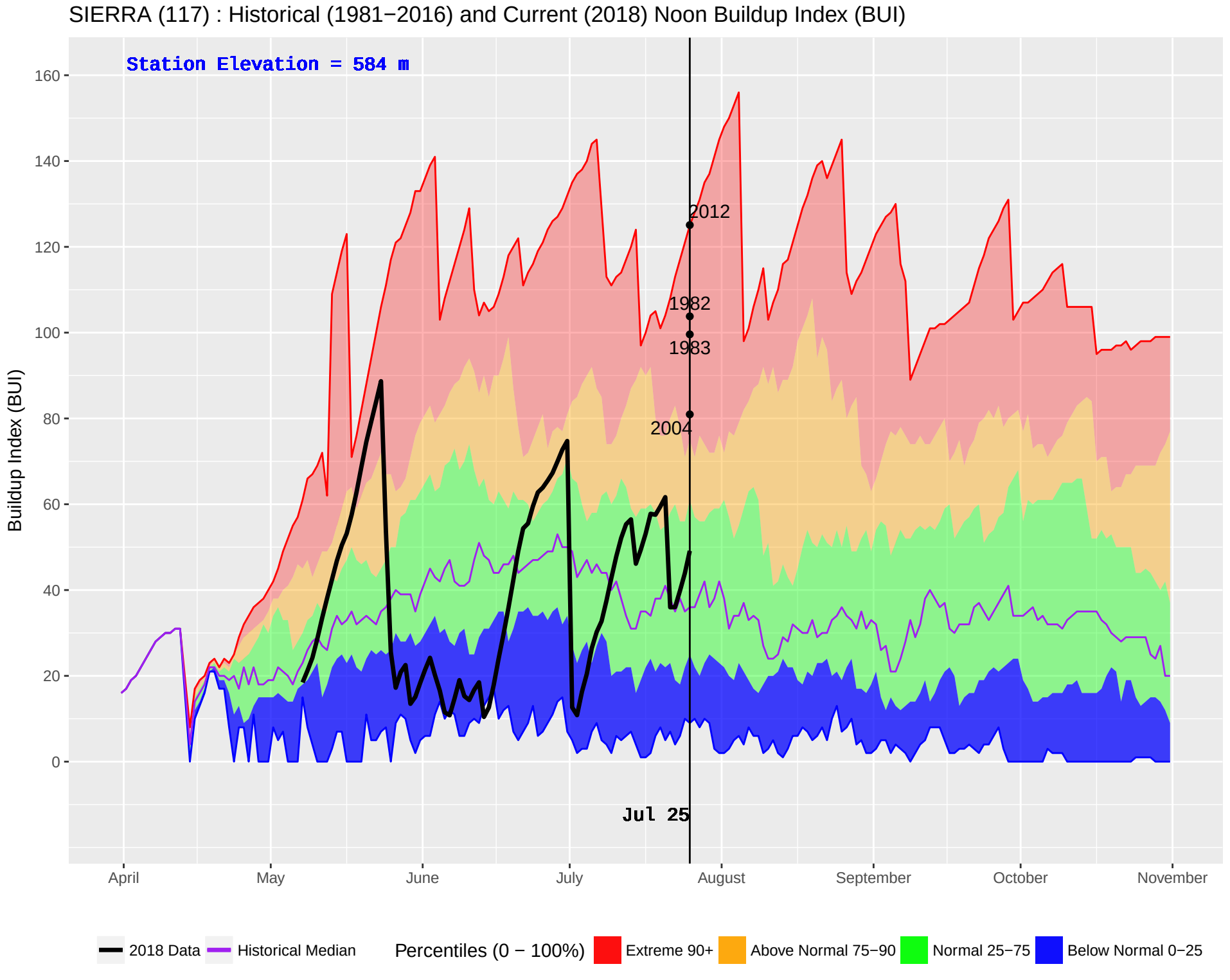

SIERRA (117) : Historical (1981−2016) and Current (2018) Noon Cumulative Precipitation
Station Elevation = 584 m
Cumulative Precipitation (mm)
425
400
375
350
325
300
275
250
225
200
175
150
125
100
75
50
25
0
April
May
June
July
August
September
October
November
1982
2003
1989
1983
Jul 25
2018 Data
Historical Median
Percentiles (0 − 100%)
Above Normal 75+
Normal 25−75
Below Normal 10−25
Extreme < 10

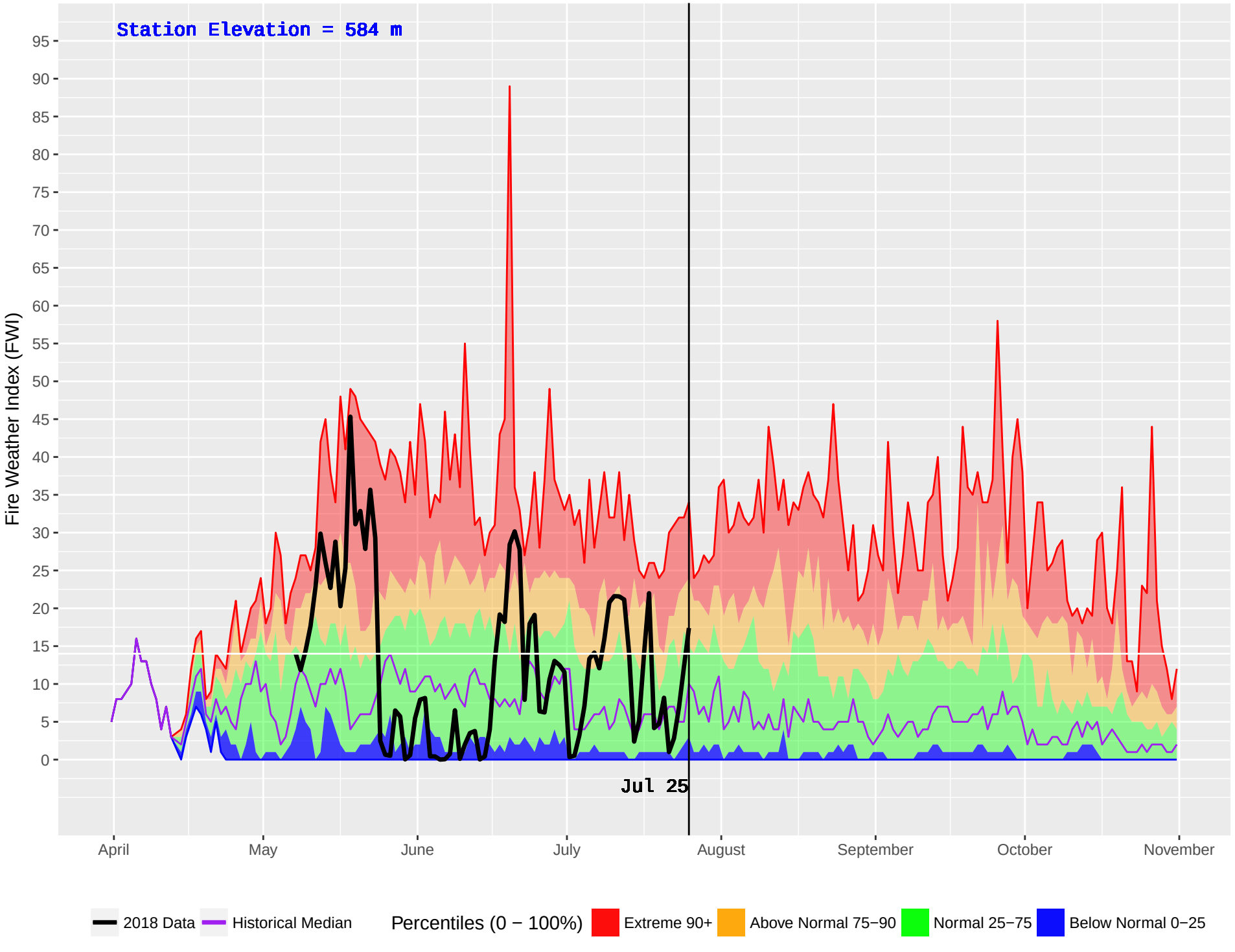

SIERRA (117) : Historical (1981−2016) and Current (2018) Noon Fine Fuel Moisture Code (FFMC)
Station Elevation = 584 m
Fine Fuel Moisture Code (FFMC)
101
100
99
98
97
96
95
94
93
92
91
90
89
88
87
86
85
84
83
82
81
80
79
78
77
76
75
Jul 25
April
May
June
July
August
September
October
November
2018 Data
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) Noon Duff Moisture Code (DMC)
Station Elevation = 584 m
Duff Moisture Code (DMC)
160
140
120
100
80
60
40
20
0
2012
1982
1983
2004
Jul 25
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) Noon 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
1983
2004
2006
1989
Jul 25
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) Noon 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
Jul 25
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) Noon Buildup Index (BUI)
Station Elevation = 584 m
Buildup Index (BUI)
160
140
120
100
80
60
40
20
0
2012
1982
1983
2004
Jul 25
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) Noon 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
Jul 25
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