Fire Weather Climatology

and

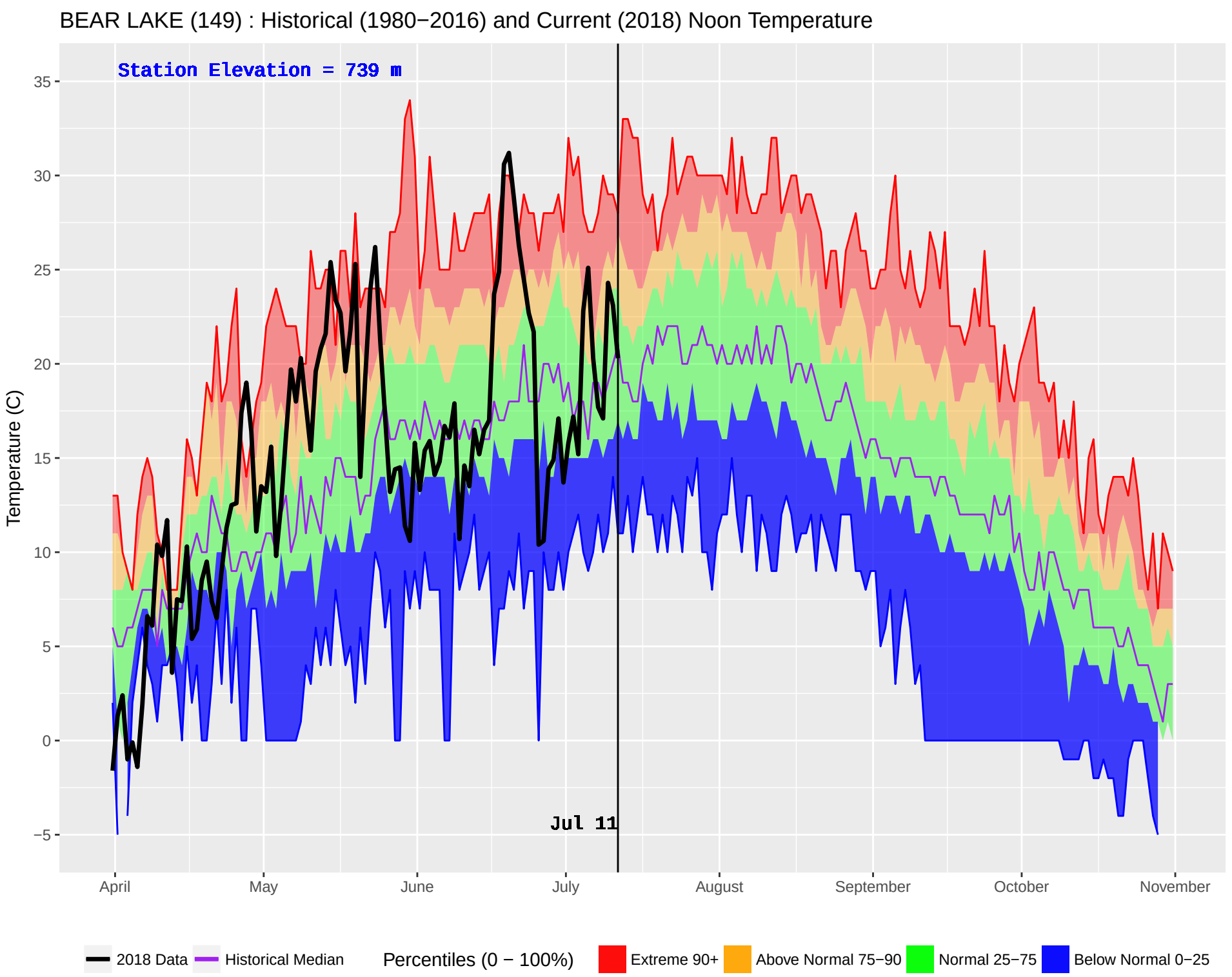
Current (2018) Conditions

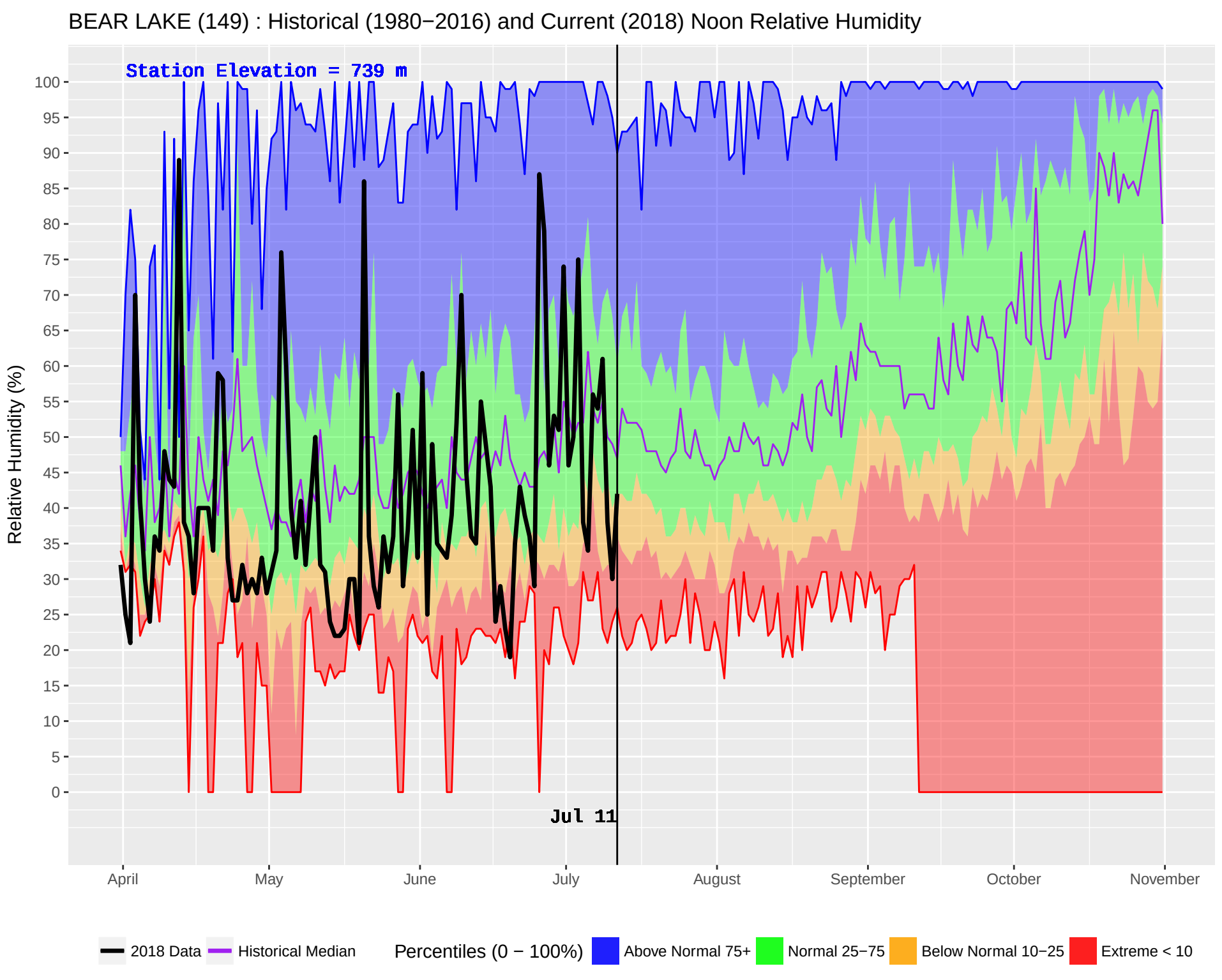
for

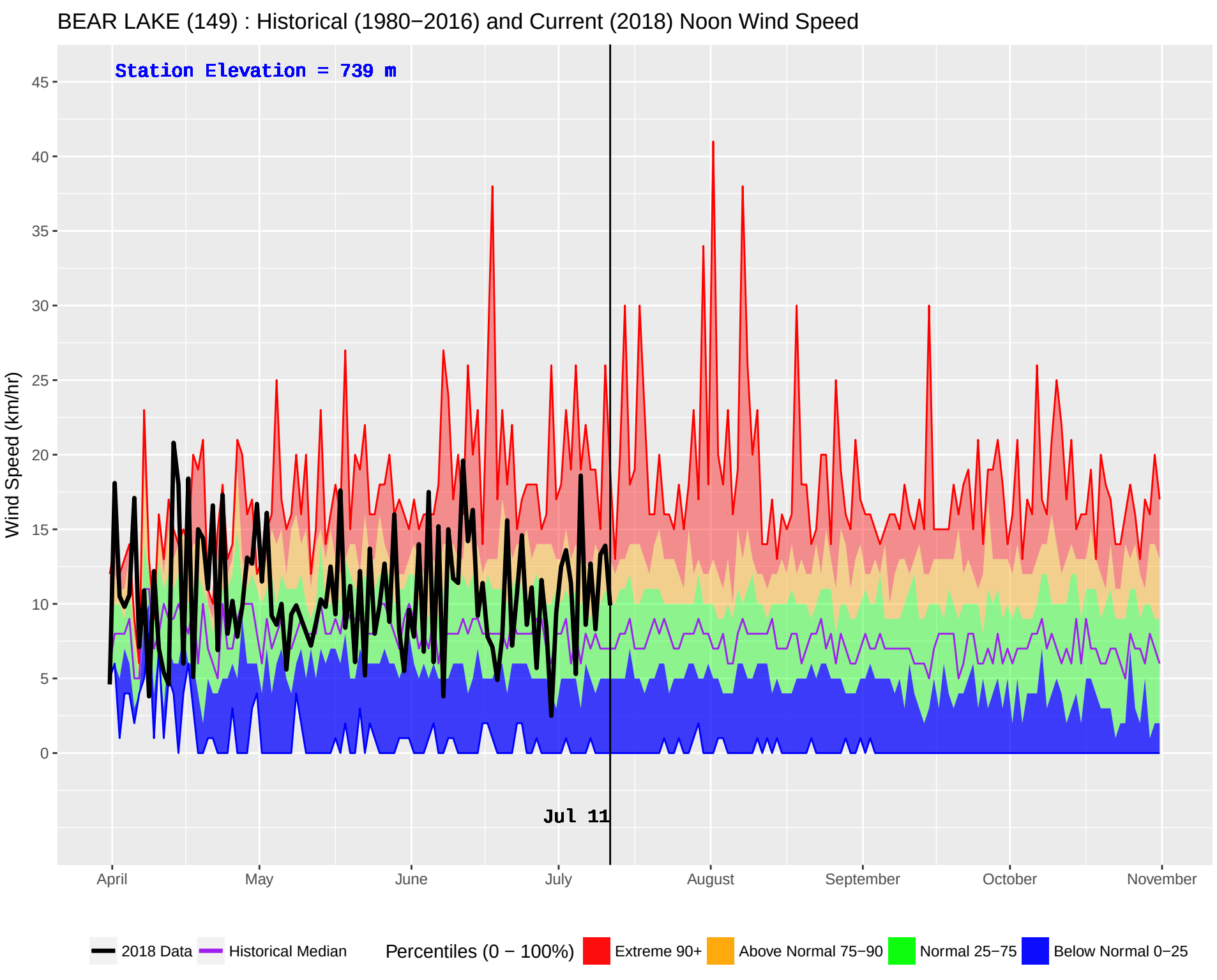
BC: BEAR LAKE Weather Station

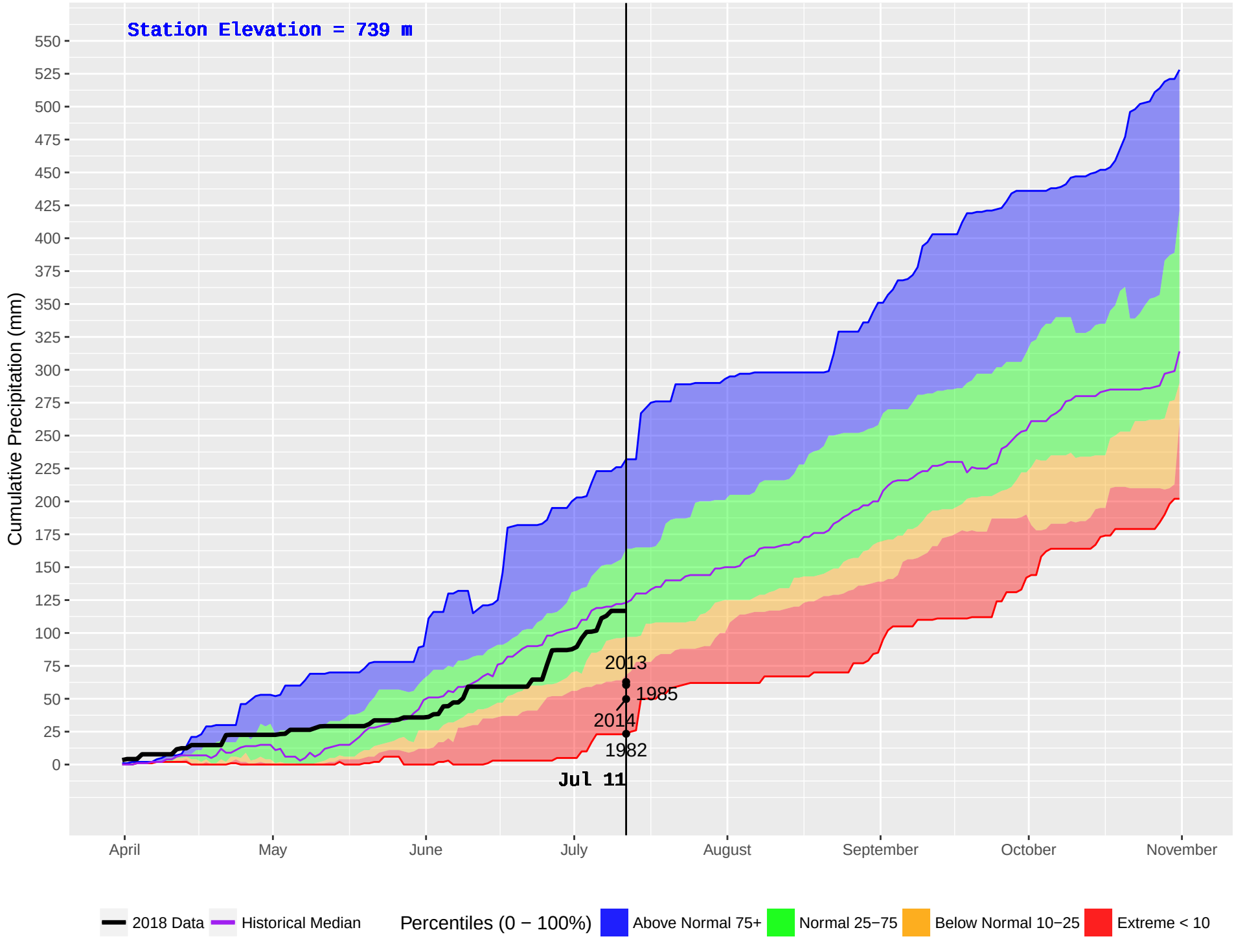
as of

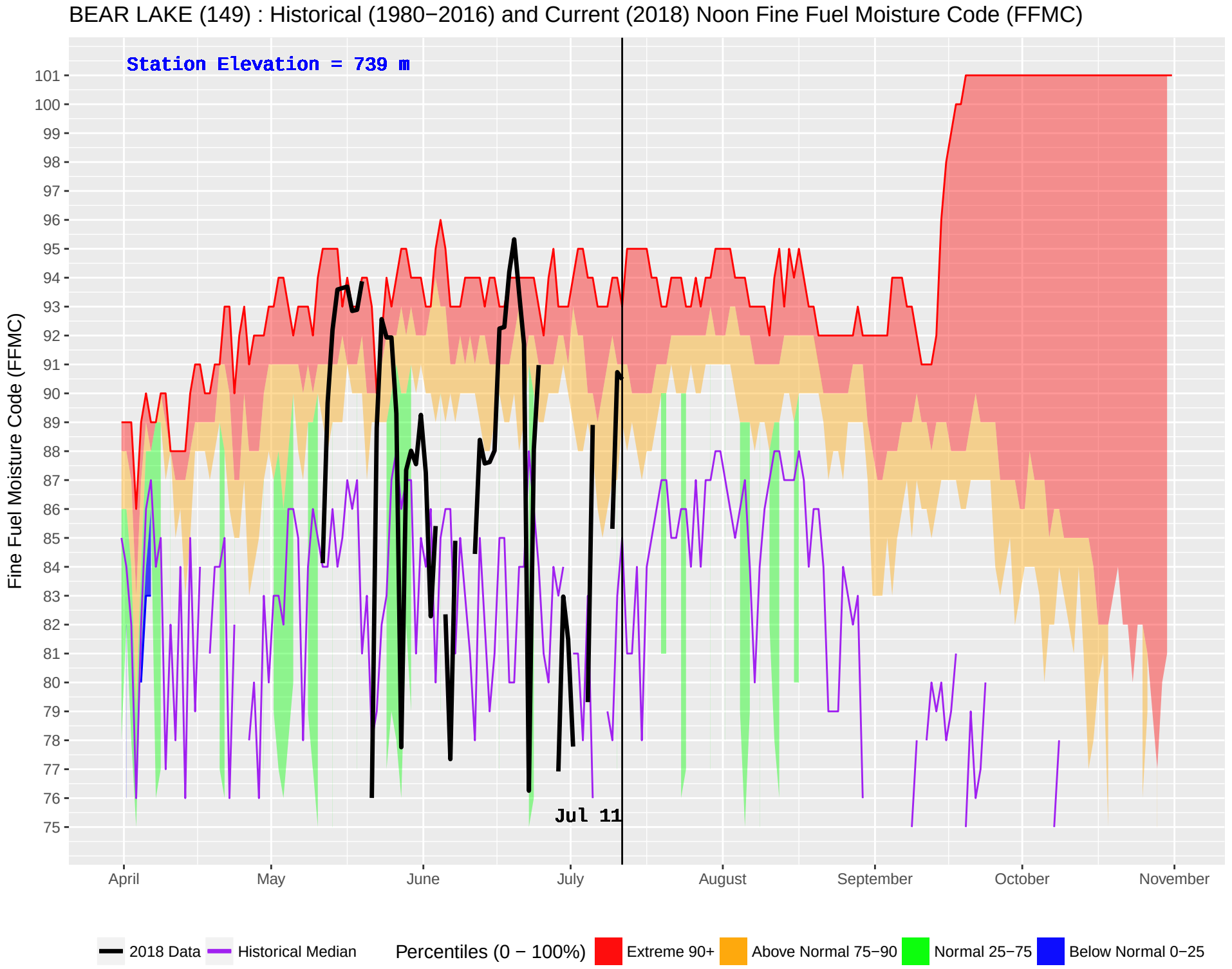
July 11, 2018

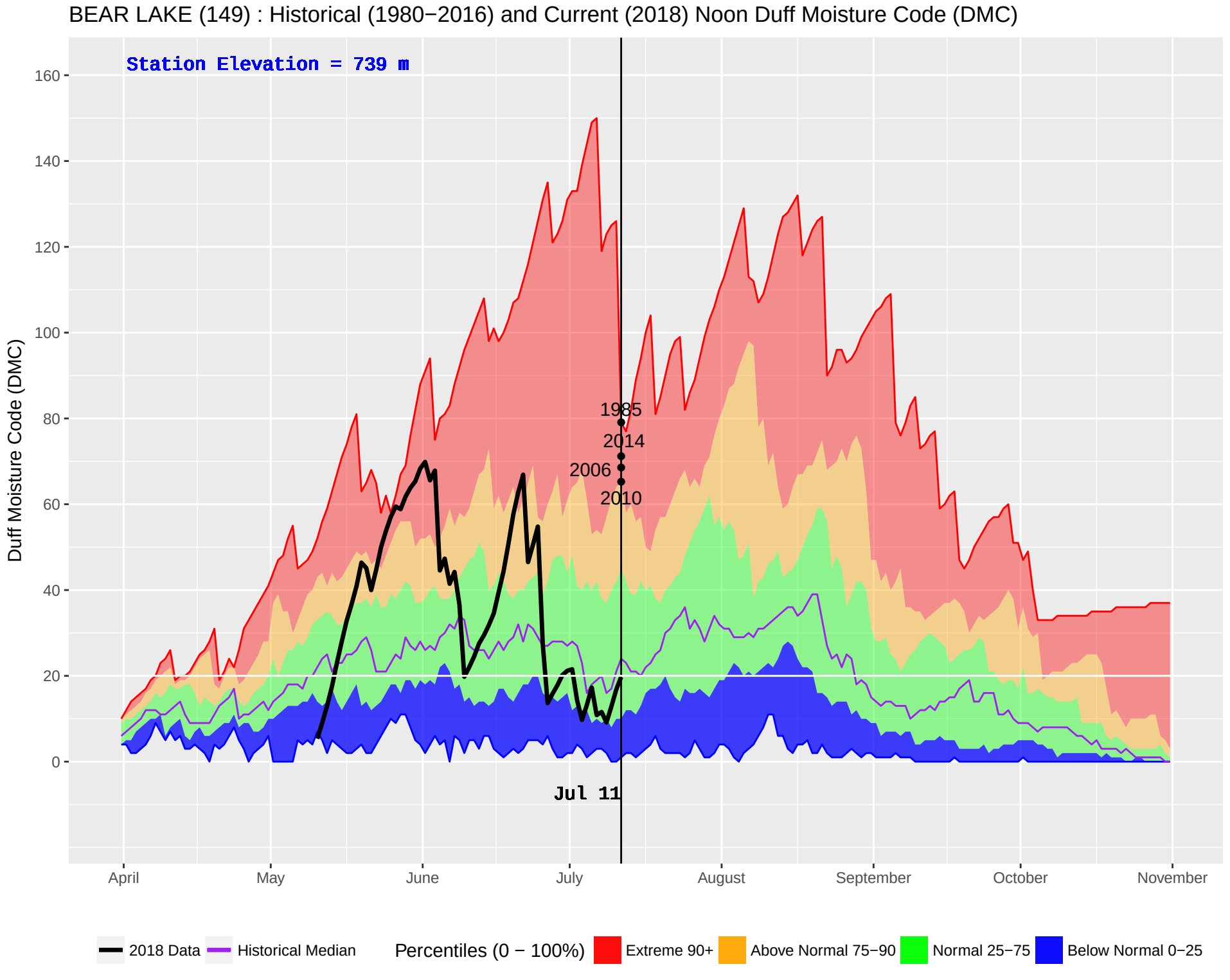

BEAR LAKE (149) : Historical (1980−2016) and Current (2018) Noon Temperature
Station Elevation = 739 m
Temperature (C)
35
30
25
20
15
10
5
0
−5
Jul 11
April
May
June
July
August
September
October
November
2018 Data
Historical Median
Percentiles (0 − 100%)
Extreme 90+
Above Normal 75−90
Normal 25−75
Below Normal 0−25

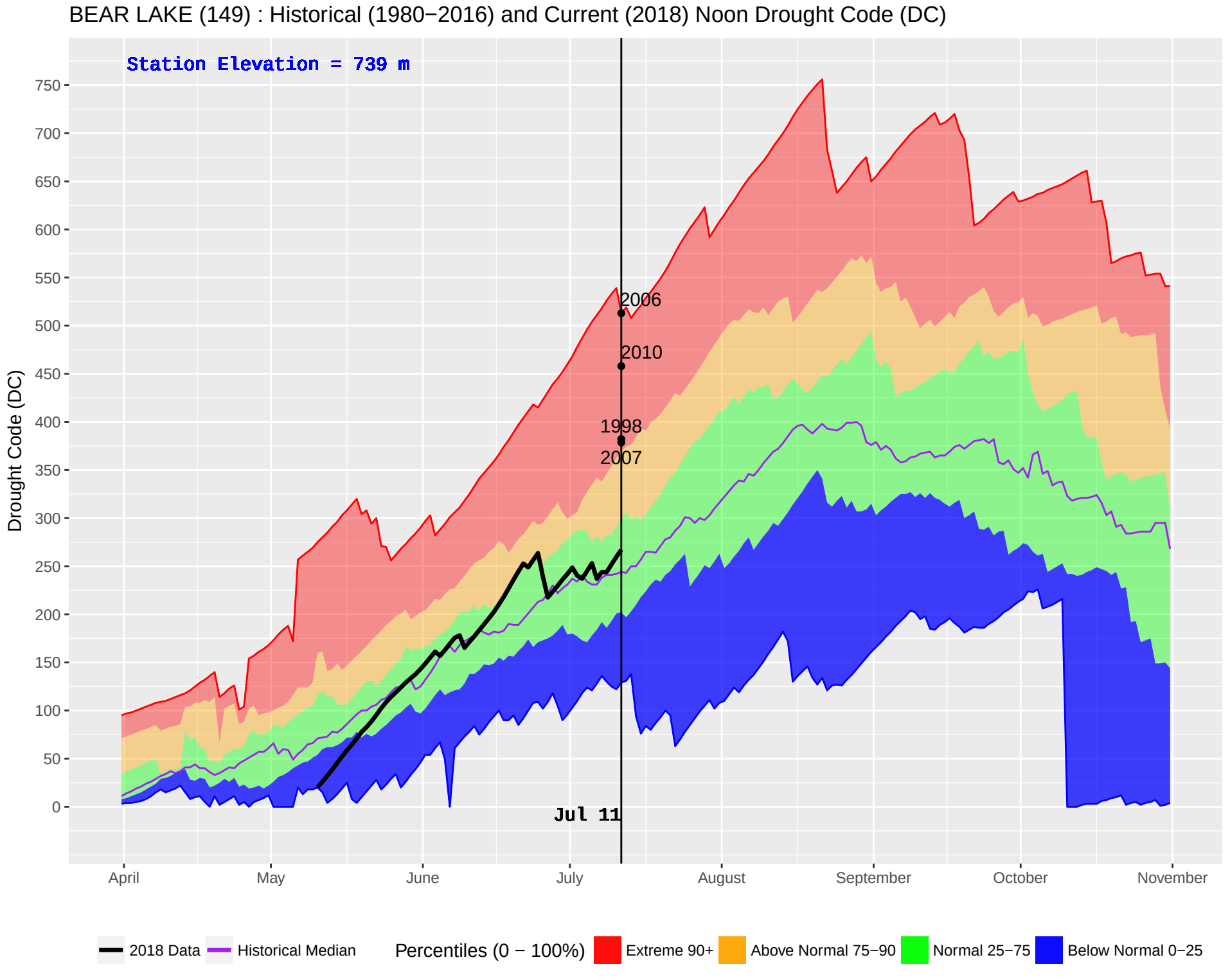

BEAR LAKE (149) : Historical (1980−2016) and Current (2018) Noon Relative Humidity
Station Elevation = 739 m
Relative Humidity (%)
100
95
90
85
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
Jul 11
April
May
June
July
August
September
October
November
2018 Data
Historical Median
Percentiles (0 − 100%)
Above Normal 75+
Normal 25−75
Below Normal 10−25
Extreme < 10

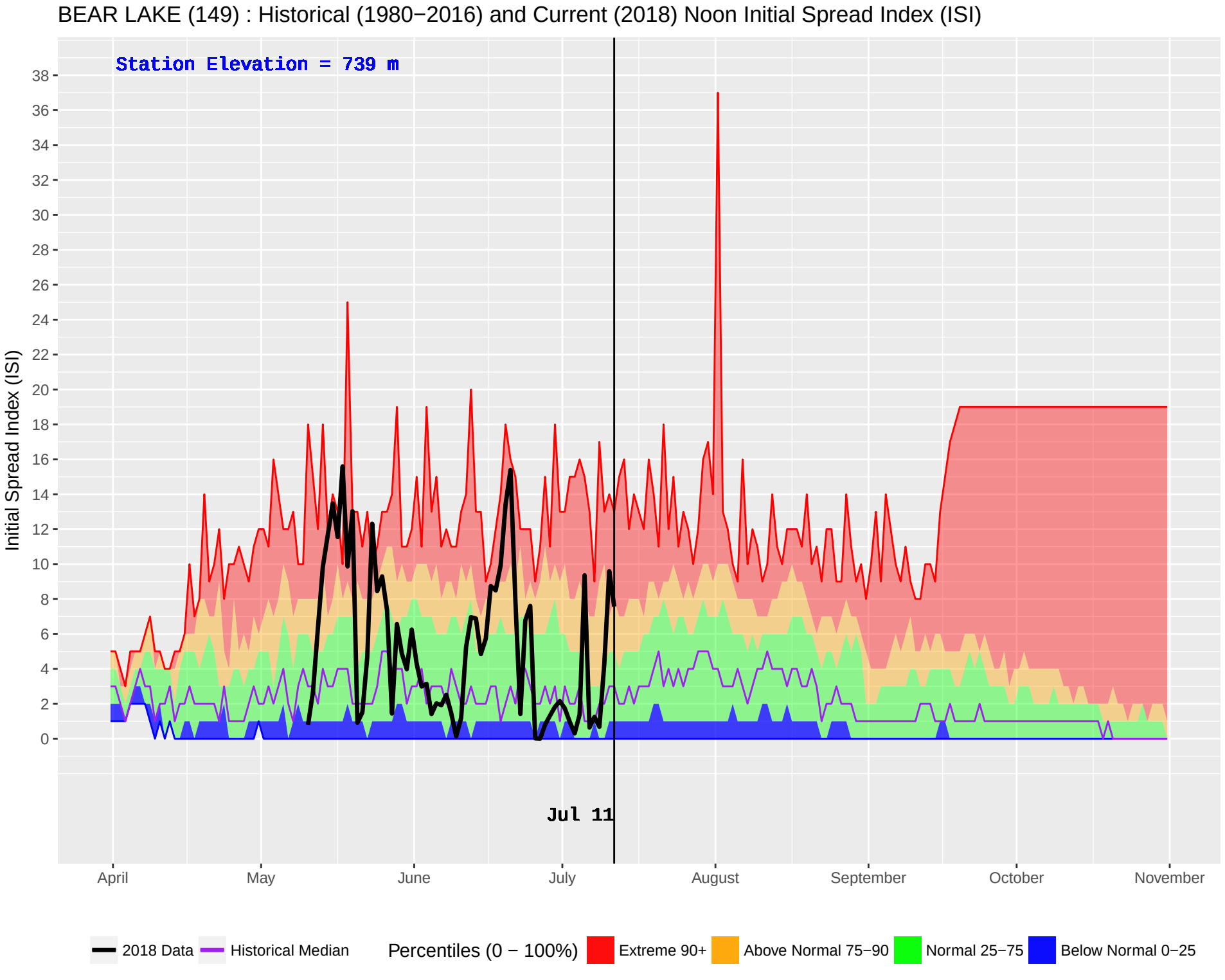

BEAR LAKE (149) : Historical (1980−2016) and Current (2018) Noon Wind Speed
Station Elevation = 739 m
Wind Speed (km/hr)
45
40
35
30
25
20
15
10
5
0
Jul 11
April
May
June
July
August
September
October
November
2018 Data
Historical Median
Percentiles (0 − 100%)
Extreme 90+
Above Normal 75−90
Normal 25−75
Below Normal 0−25

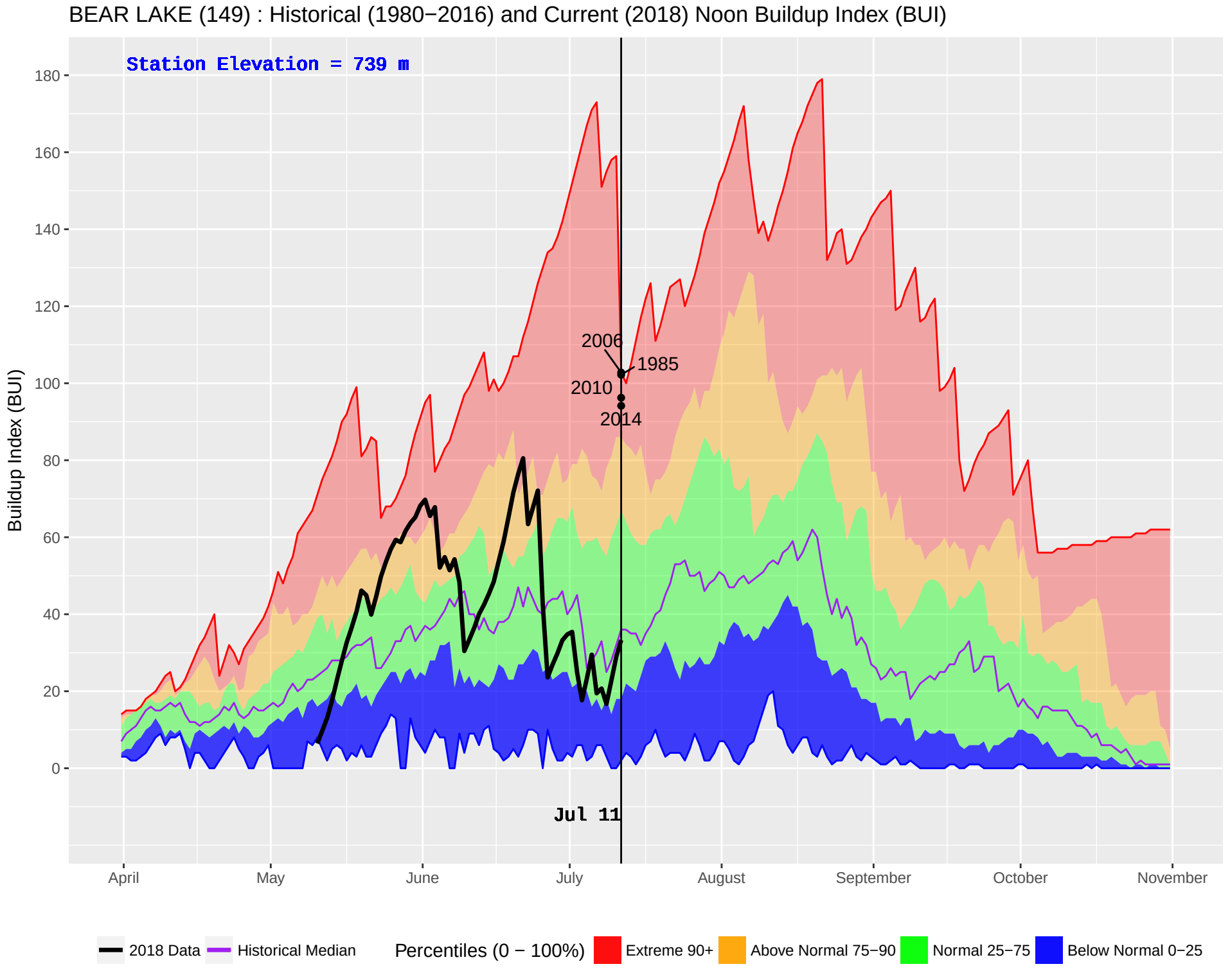

BEAR LAKE (149) : Historical (1980−2016) and Current (2018) Noon Cumulative Precipitation
Station Elevation = 739 m
Cumulative Precipitation (mm)
550
525
500
475
450
425
400
375
350
325
300
275
250
225
200
175
150
125
100
75
50
25
0
April
May
June
July
August
September
October
November
2013
1985
2014
1982
Jul 11
2018 Data
Historical Median
Percentiles (0 − 100%)
Above Normal 75+
Normal 25−75
Below Normal 10−25
Extreme < 10

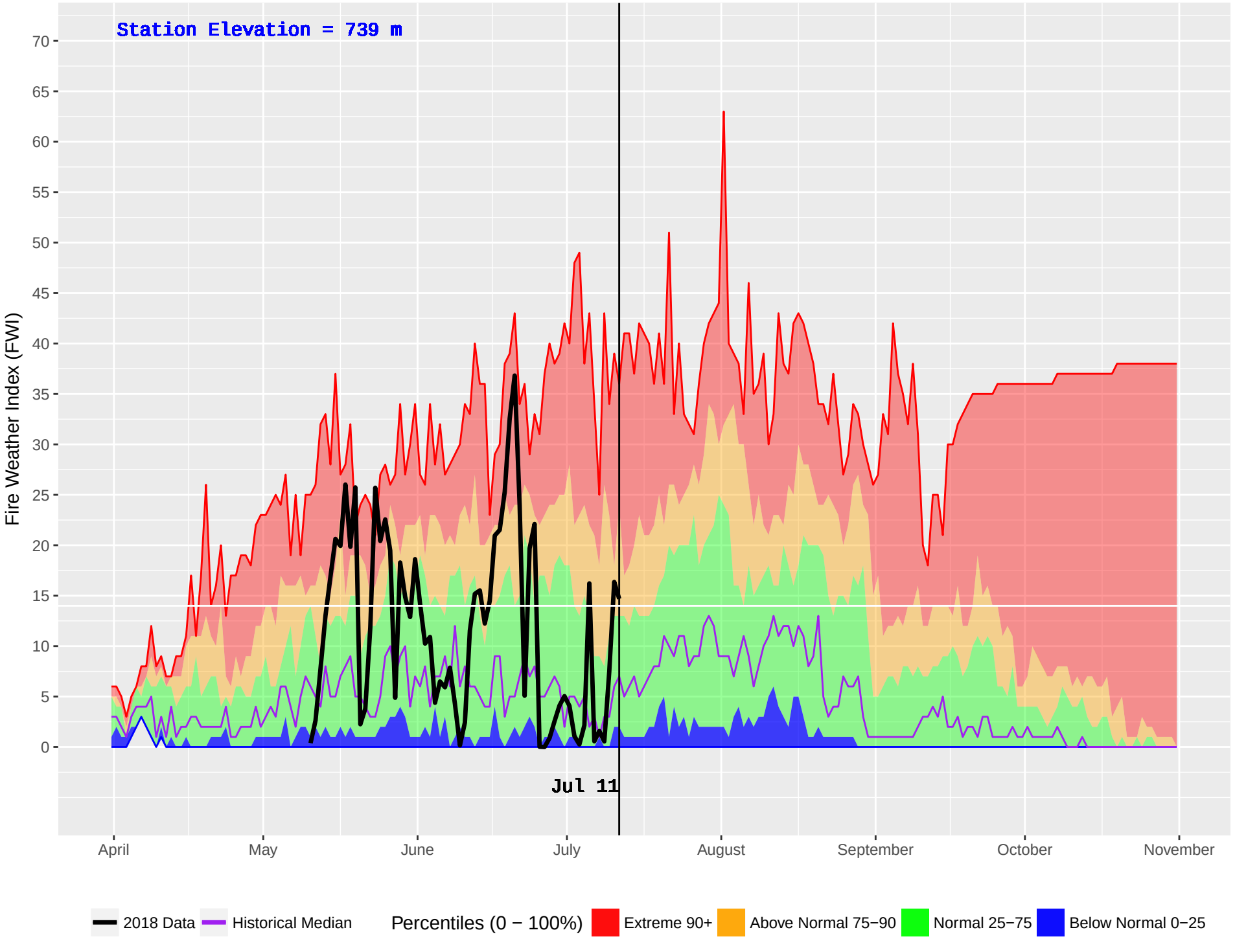

BEAR LAKE (149) : Historical (1980−2016) and Current (2018) Noon Fine Fuel Moisture Code (FFMC)
Station Elevation = 739 m
Fine Fuel Moisture Code (FFMC)
101
100
99
98
97
96
95
94
93
92
91
90
89
88
87
86
85
84
83
82
81
80
79
78
77
76
75
Jul 11
April
May
June
July
August
September
October
November
2018 Data
Historical Median
Percentiles (0 − 100%)
Extreme 90+
Above Normal 75−90
Normal 25−75
Below Normal 0−25


BEAR LAKE (149) : Historical (1980−2016) and Current (2018) Noon Duff Moisture Code (DMC)
Station Elevation = 739 m
Duff Moisture Code (DMC)
160
140
120
100
80
60
40
20
0
1985
2014
2006
2010
Jul 11
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


BEAR LAKE (149) : Historical (1980−2016) and Current (2018) Noon Drought Code (DC)
Station Elevation = 739 m
Drought Code (DC)
750
700
650
600
550
500
450
400
350
300
250
200
150
100
50
0
2006
2010
1998
2007
Jul 11
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


BEAR LAKE (149) : Historical (1980−2016) and Current (2018) Noon Initial Spread Index (ISI)
Station Elevation = 739 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
Jul 11
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


BEAR LAKE (149) : Historical (1980−2016) and Current (2018) Noon Buildup Index (BUI)
Station Elevation = 739 m
Buildup Index (BUI)
180
160
140
120
100
80
60
40
20
0
2006
1985
2010
2014
Jul 11
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


BEAR LAKE (149) : Historical (1980−2016) and Current (2018) Noon Fire Weather Index (FWI)
Station Elevation = 739 m
Fire Weather Index (FWI)
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
Jul 11
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