Fire Weather Climatology

and

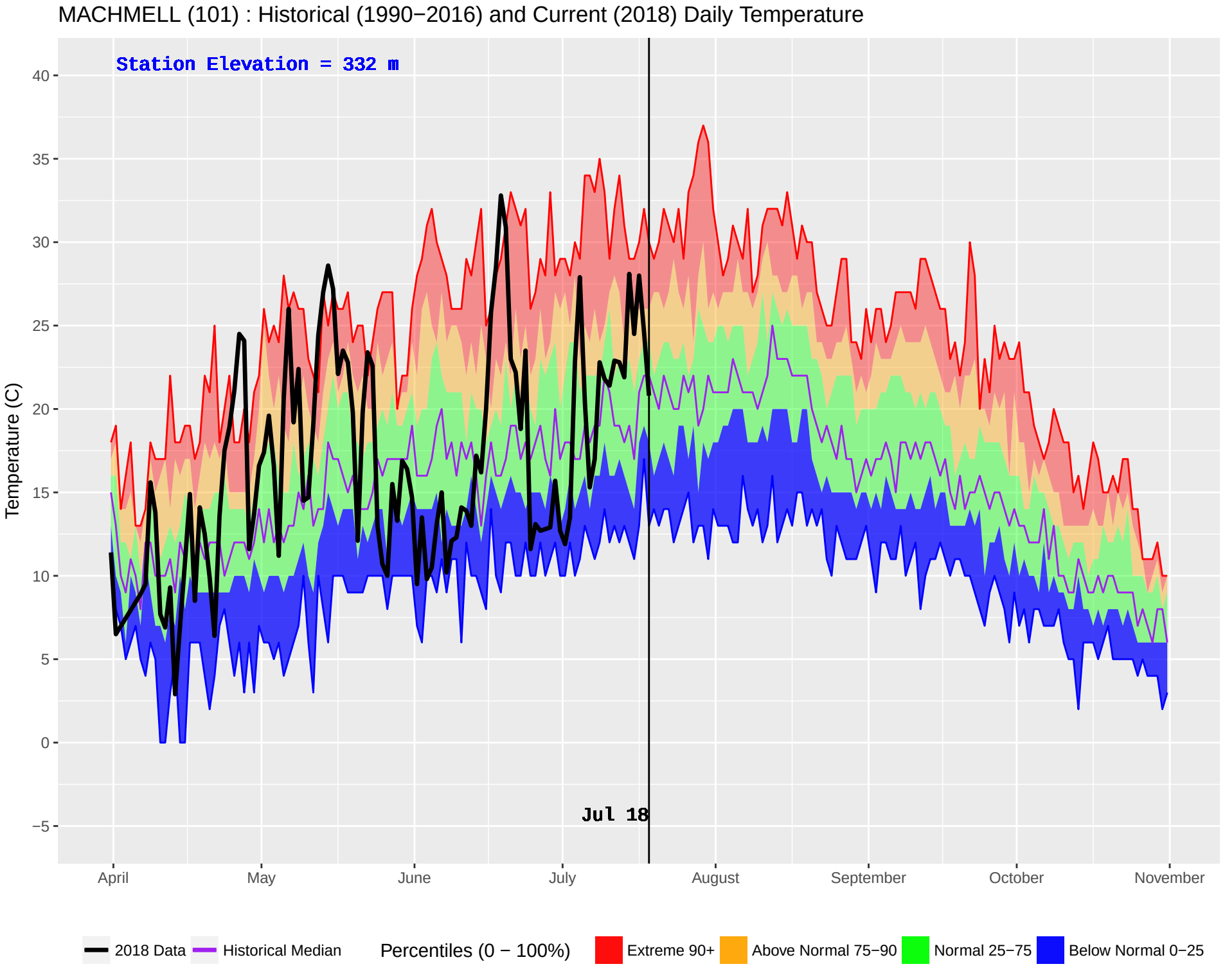
Current (2018) Conditions

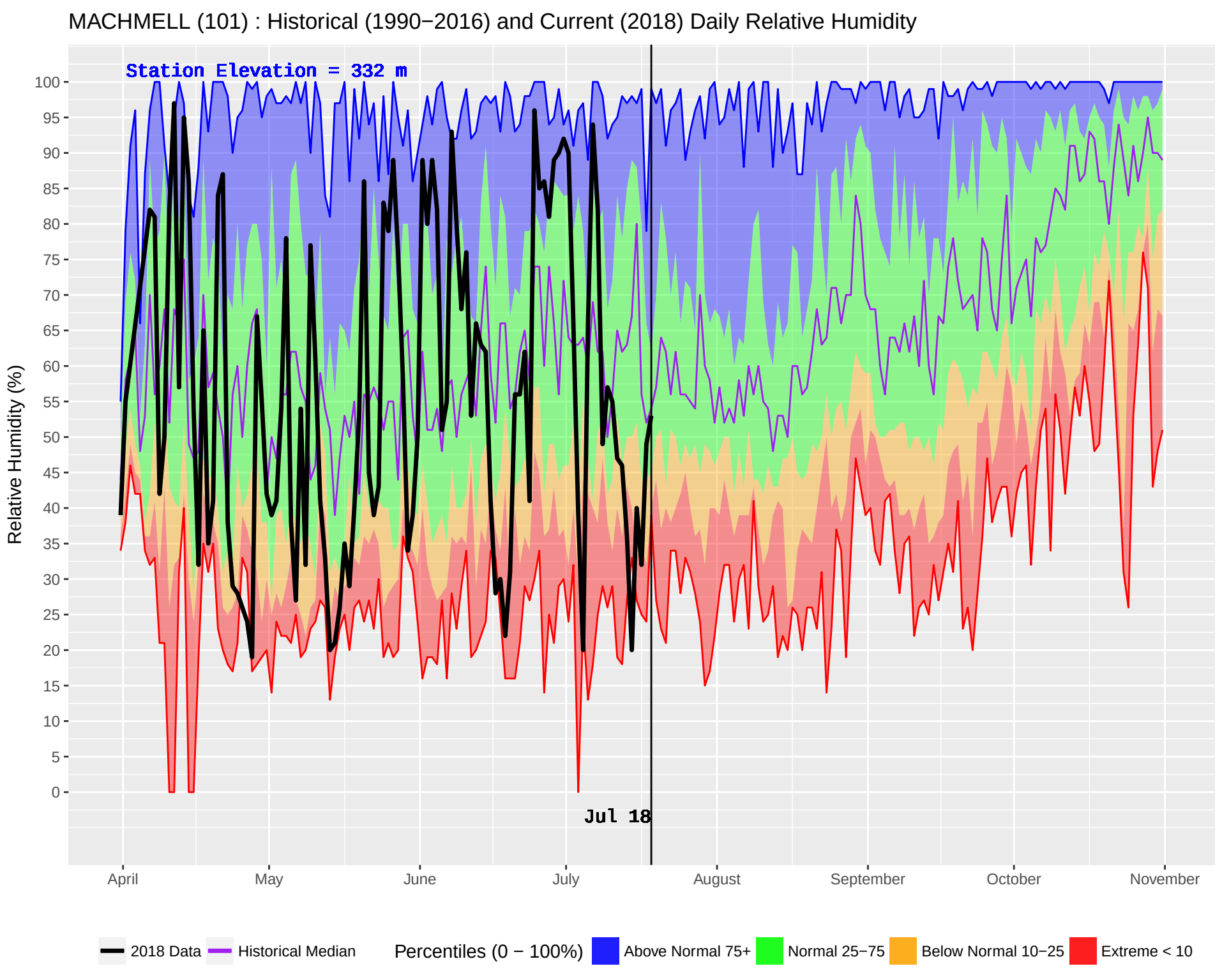
for

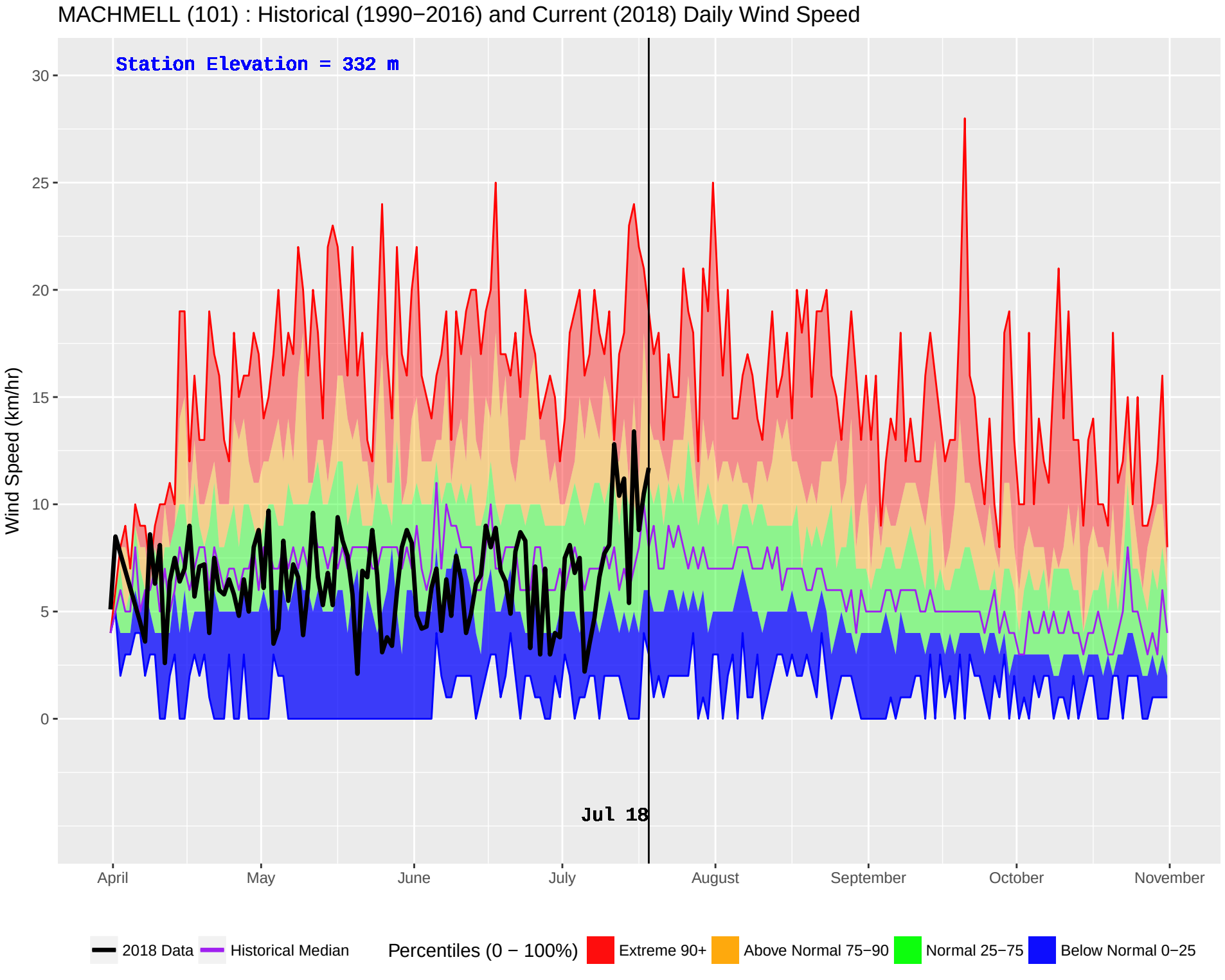
BC: MACHMELL Weather Station

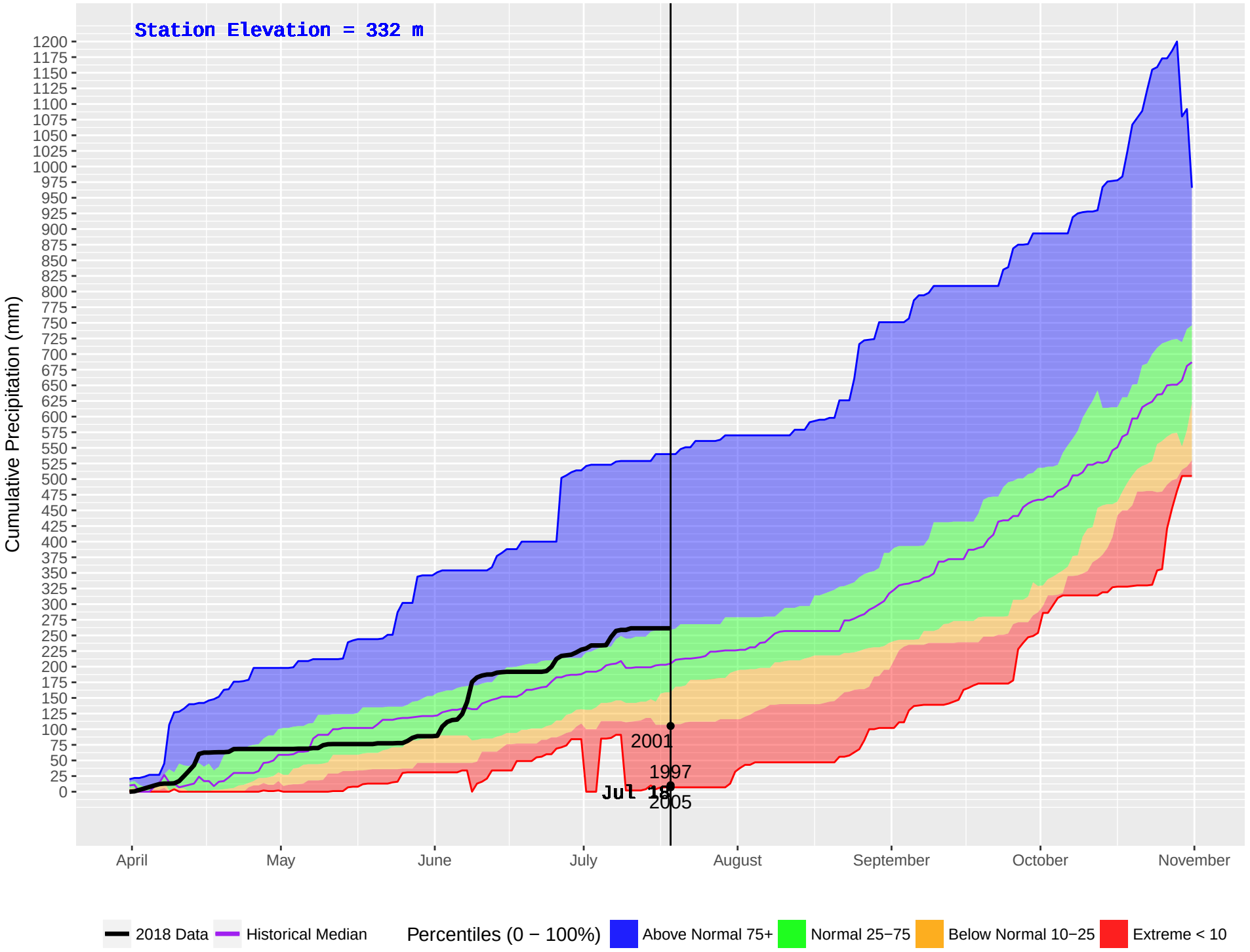
as of

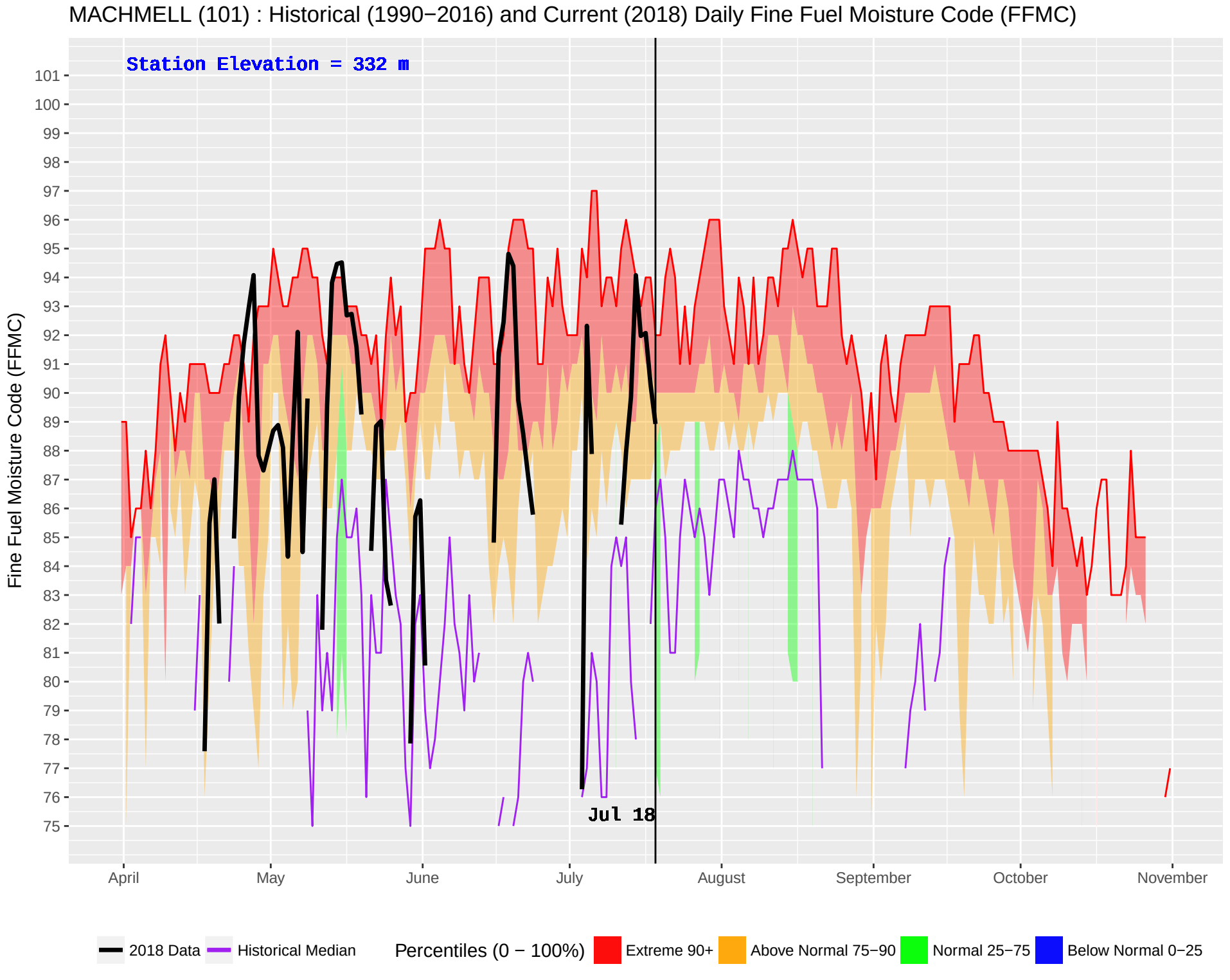
July 18, 2018

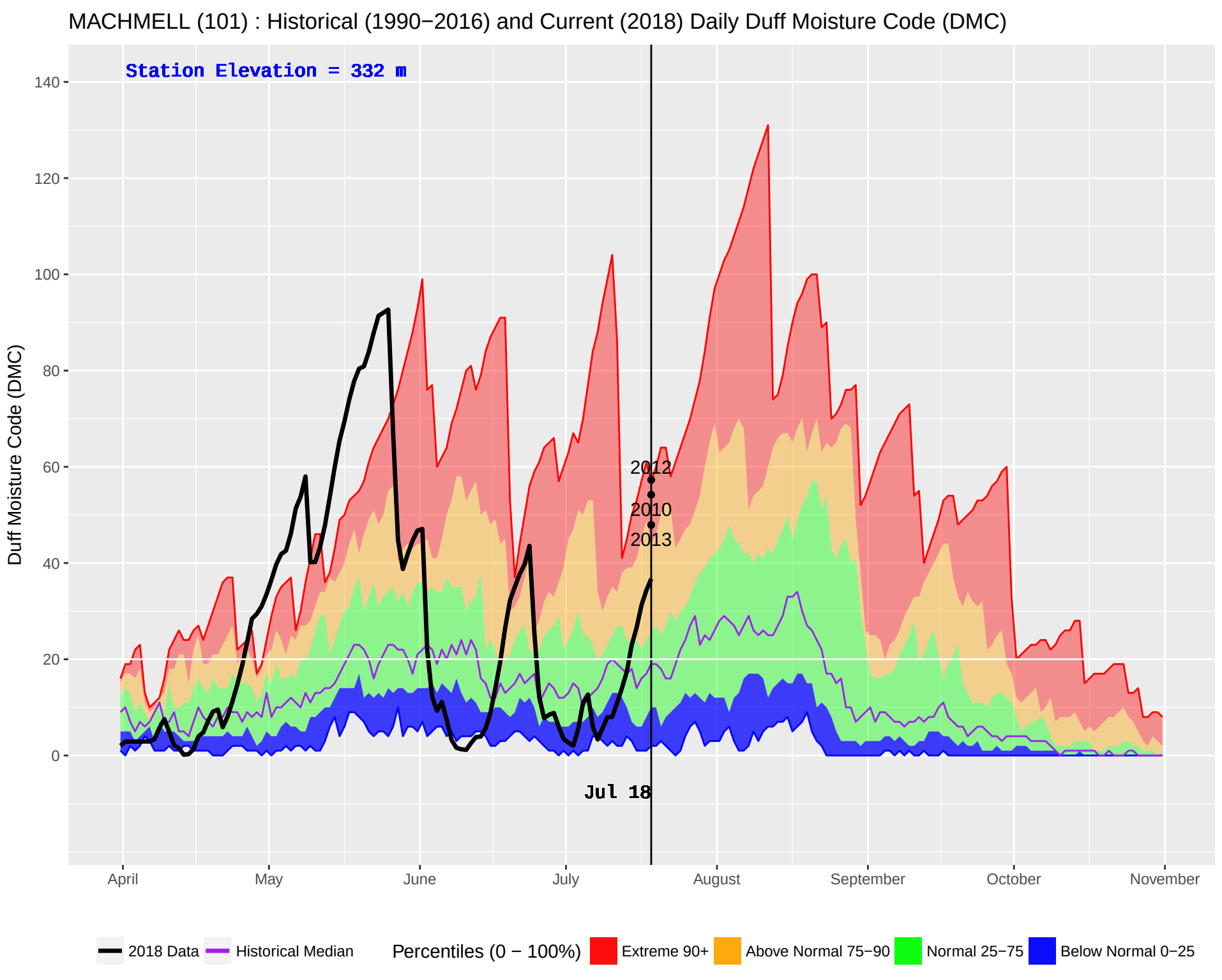

MACHMELL (101) : Historical (1990−2016) and Current (2018) Daily Temperature
Station Elevation = 332 m
Temperature (C)
40
35
30
25
20
15
10
5
0
−5
Jul 18
April
May
June
July
August
September
October
November
2018 Data
Historical Median
Percentiles (0 − 100%)
Extreme 90+
Above Normal 75−90
Normal 25−75
Below Normal 0−25

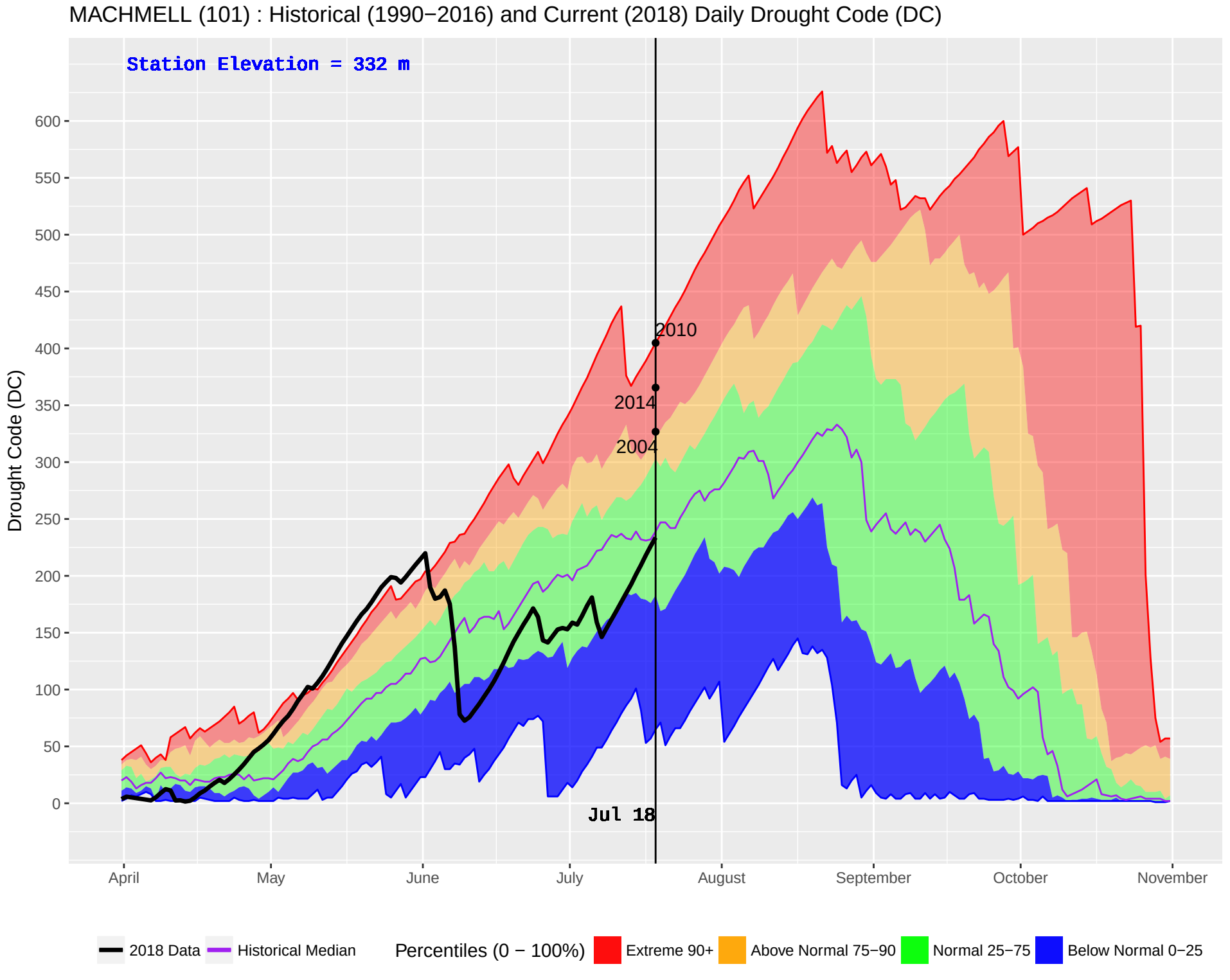

MACHMELL (101) : Historical (1990−2016) and Current (2018) Daily Relative Humidity
Station Elevation = 332 m
Relative Humidity (%)
100
95
90
85
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
Jul 18
April
May
June
July
August
September
October
November
2018 Data
Historical Median
Percentiles (0 − 100%)
Above Normal 75+
Normal 25−75
Below Normal 10−25
Extreme < 10

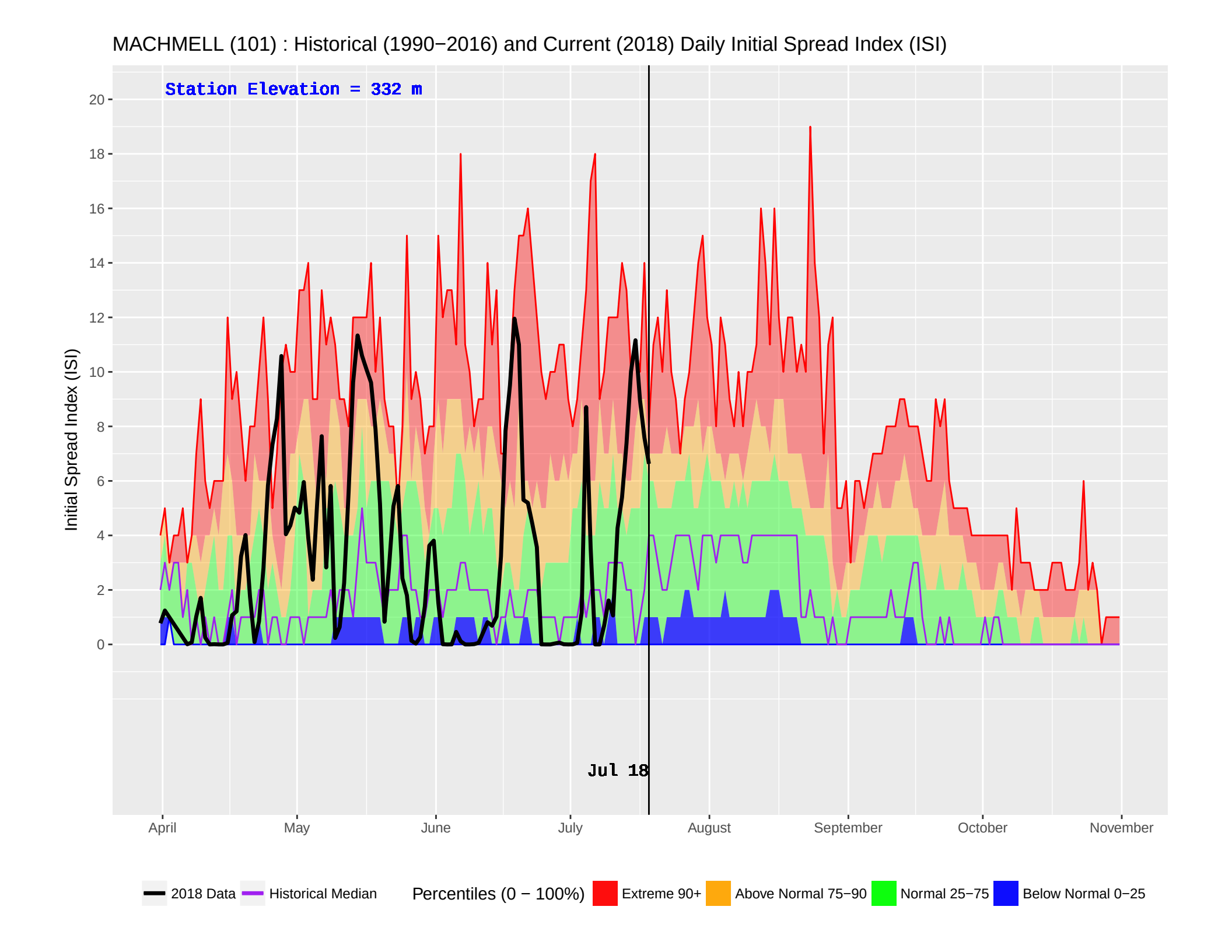

MACHMELL (101) : Historical (1990−2016) and Current (2018) Daily Wind Speed
Station Elevation = 332 m
Wind Speed (km/hr)
30
25
20
15
10
5
0
Jul 18
April
May
June
July
August
September
October
November
2018 Data
Historical Median
Percentiles (0 − 100%)
Extreme 90+
Above Normal 75−90
Normal 25−75
Below Normal 0−25

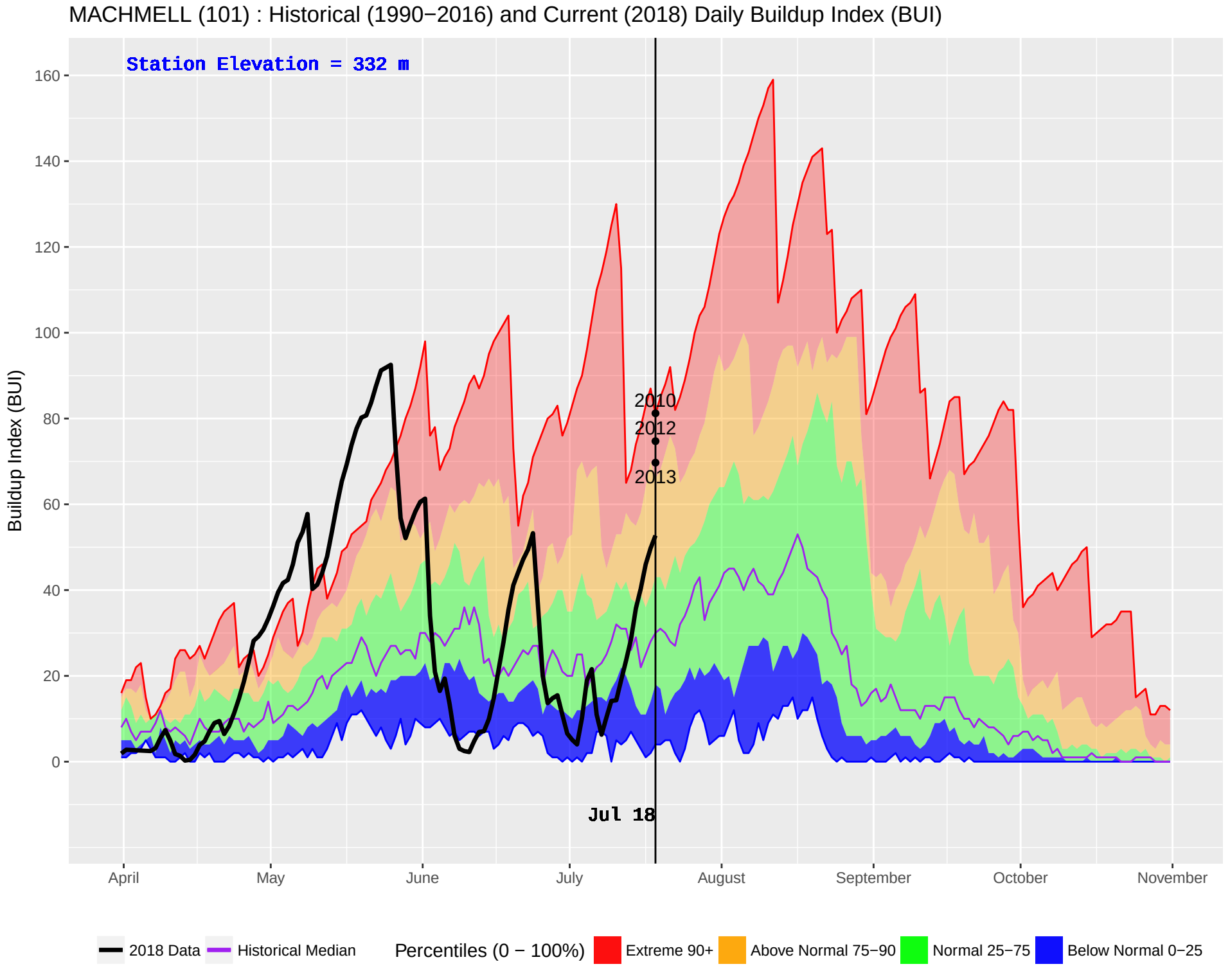

MACHMELL (101) : Historical (1990−2016) and Current (2018) Daily Cumulative Precipitation
Station Elevation = 332 m
Cumulative Precipitation (mm)
1200
1175
1150
1125
1100
1075
1050
1025
1000
975
950
925
900
875
850
825
800
775
750
725
700
675
650
625
600
575
550
525
500
475
450
425
400
375
350
325
300
275
250
225
200
175
150
125
100
75
50
25
0
2001
1997
Jul 18
2005
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

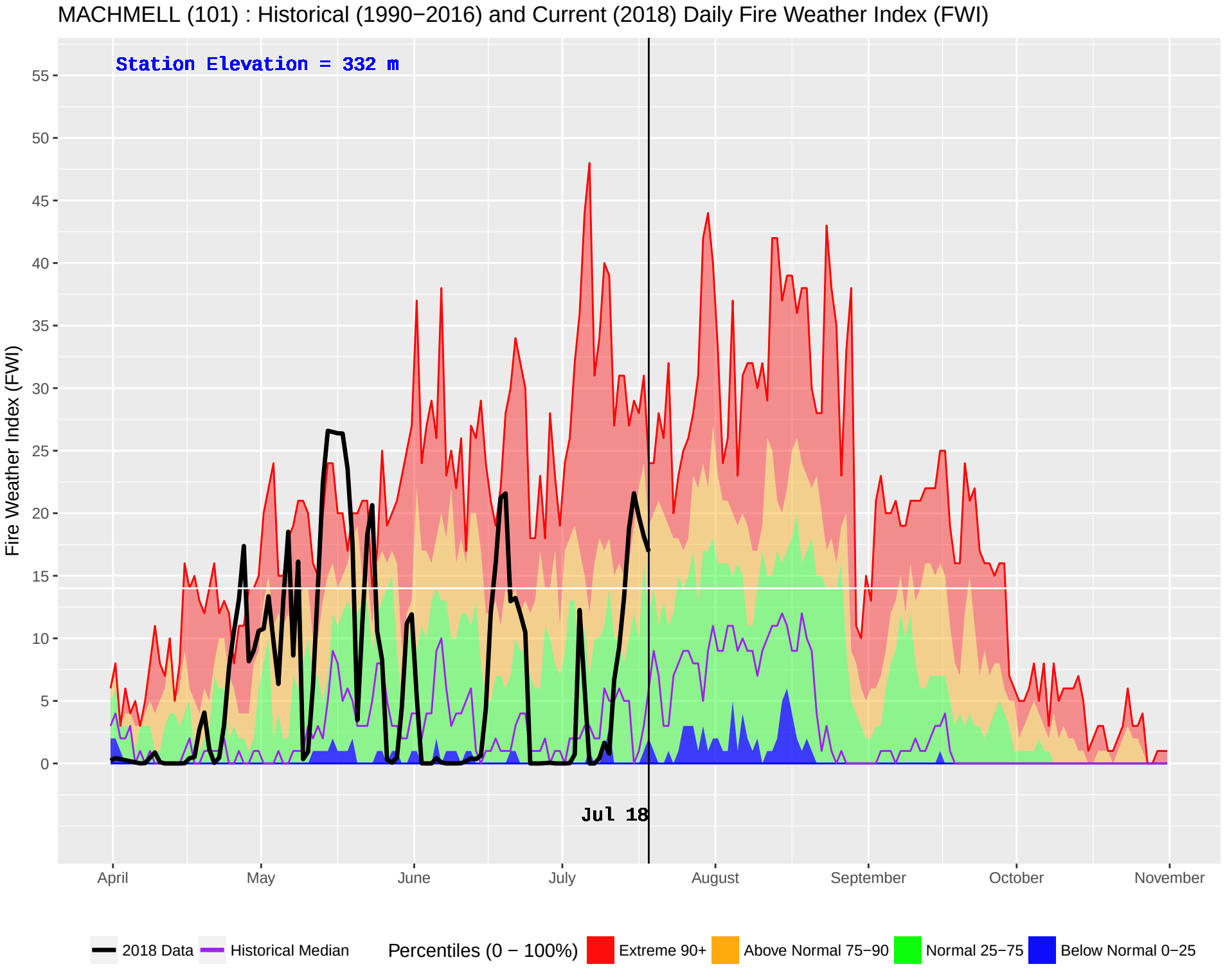

MACHMELL (101) : Historical (1990−2016) and Current (2018) Daily Fine Fuel Moisture Code (FFMC)
Station Elevation = 332 m
Fine Fuel Moisture Code (FFMC)
101
100
99
98
97
96
95
94
93
92
91
90
89
88
87
86
85
84
83
82
81
80
79
78
77
76
75
Jul 18
April
May
June
July
August
September
October
November
2018 Data
Historical Median
Percentiles (0 − 100%)
Extreme 90+
Above Normal 75−90
Normal 25−75
Below Normal 0−25


MACHMELL (101) : Historical (1990−2016) and Current (2018) Daily Duff Moisture Code (DMC)
Station Elevation = 332 m
Duff Moisture Code (DMC)
140
120
100
80
60
40
20
0
2012
2010
2013
Jul 18
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


MACHMELL (101) : Historical (1990−2016) and Current (2018) Daily Drought Code (DC)
Station Elevation = 332 m
Drought Code (DC)
600
550
500
450
400
350
300
250
200
150
100
50
0
2010
2014
2004
Jul 18
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


MACHMELL (101) : Historical (1990−2016) and Current (2018) Daily Initial Spread Index (ISI)
Station Elevation = 332 m
Initial Spread Index (ISI)
0
2
4
6
8
10
12
14
16
18
20
Jul 18
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


MACHMELL (101) : Historical (1990−2016) and Current (2018) Daily Buildup Index (BUI)
Station Elevation = 332 m
Buildup Index (BUI)
160
140
120
100
80
60
40
20
0
2010
2012
2013
Jul 18
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


MACHMELL (101) : Historical (1990−2016) and Current (2018) Daily Fire Weather Index (FWI)
Station Elevation = 332 m
Fire Weather Index (FWI)
55
50
45
40
35
30
25
20
15
10
5
0
Jul 18
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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