Fire Weather Climatology

and

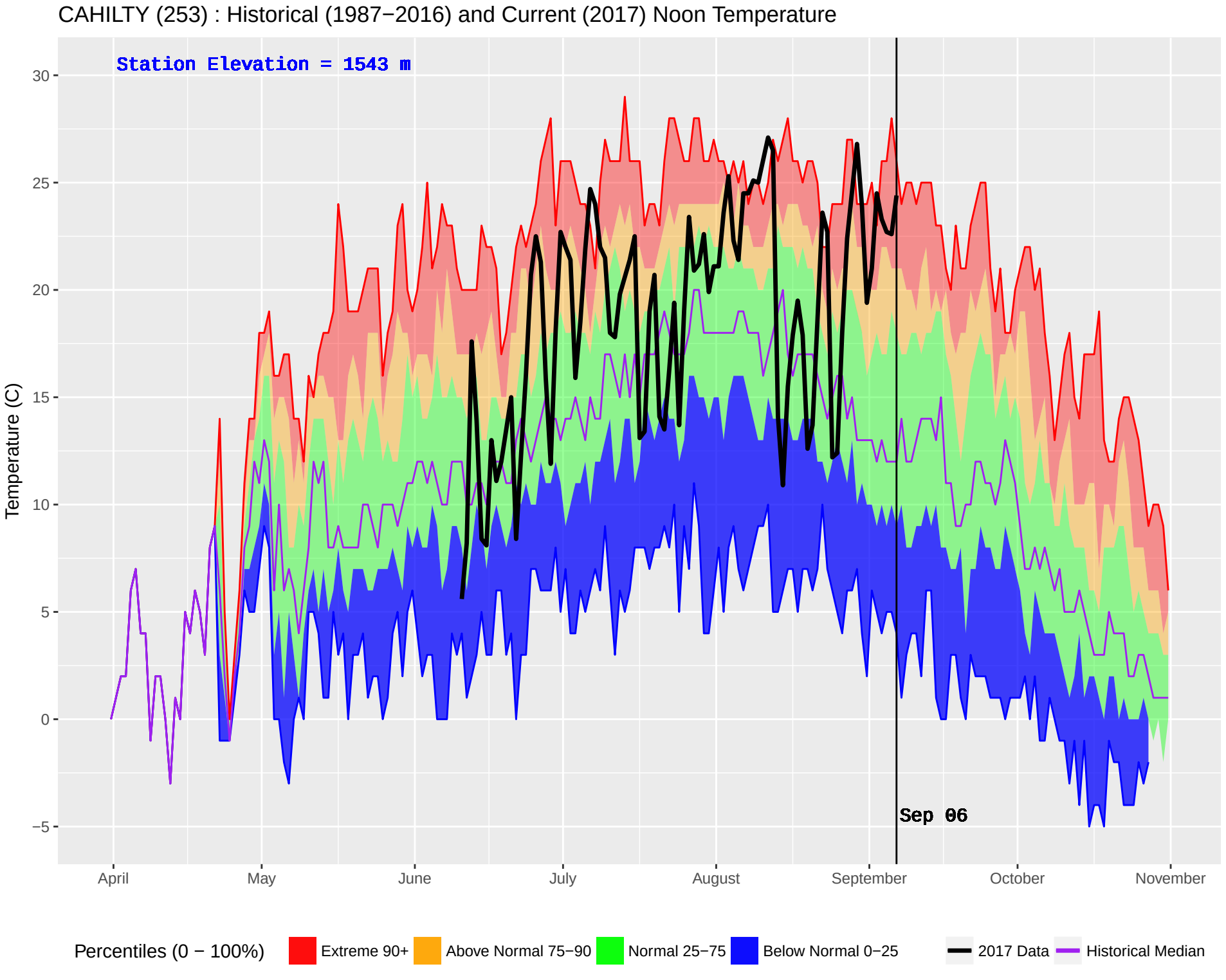
Current (2017) Conditions

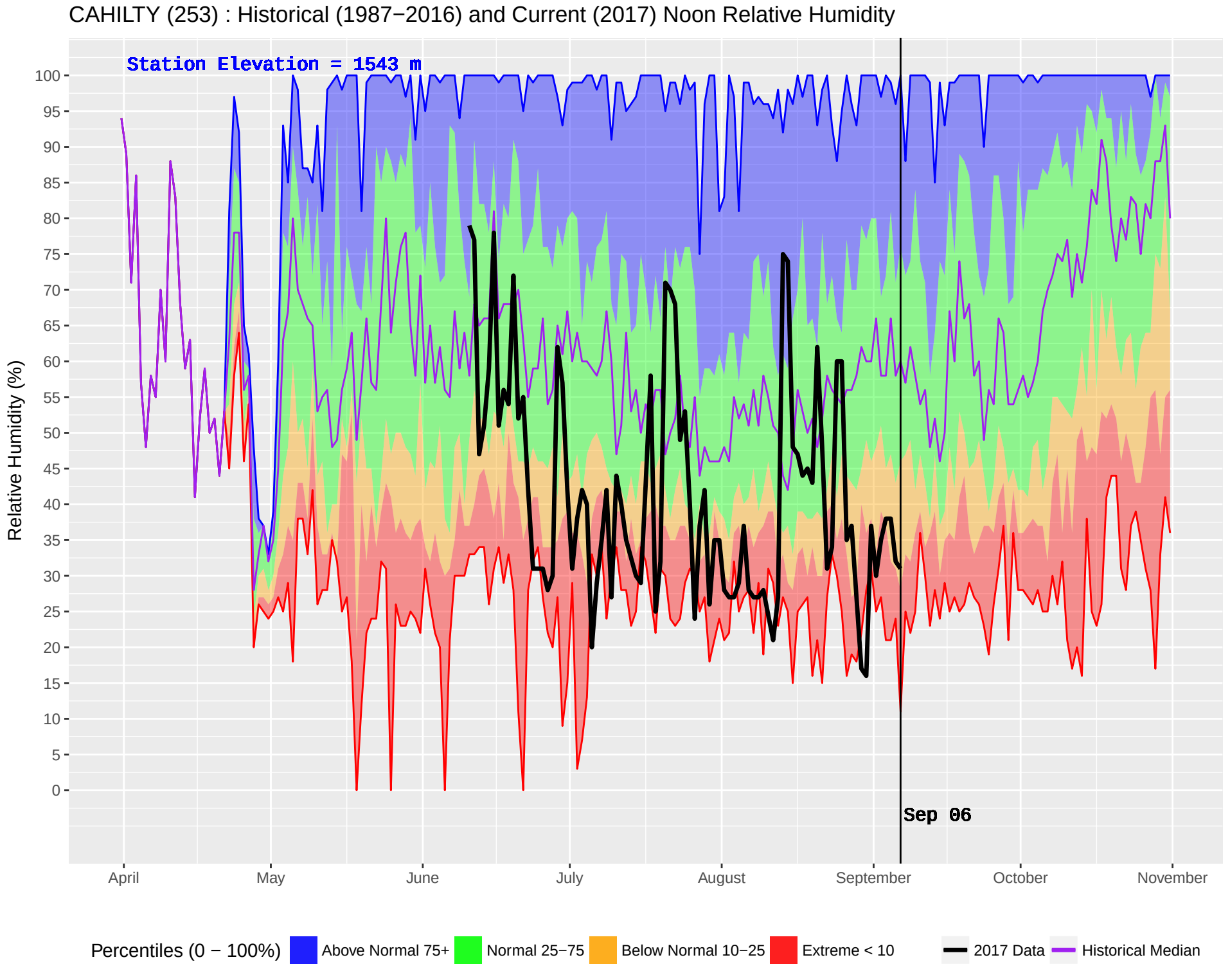
for

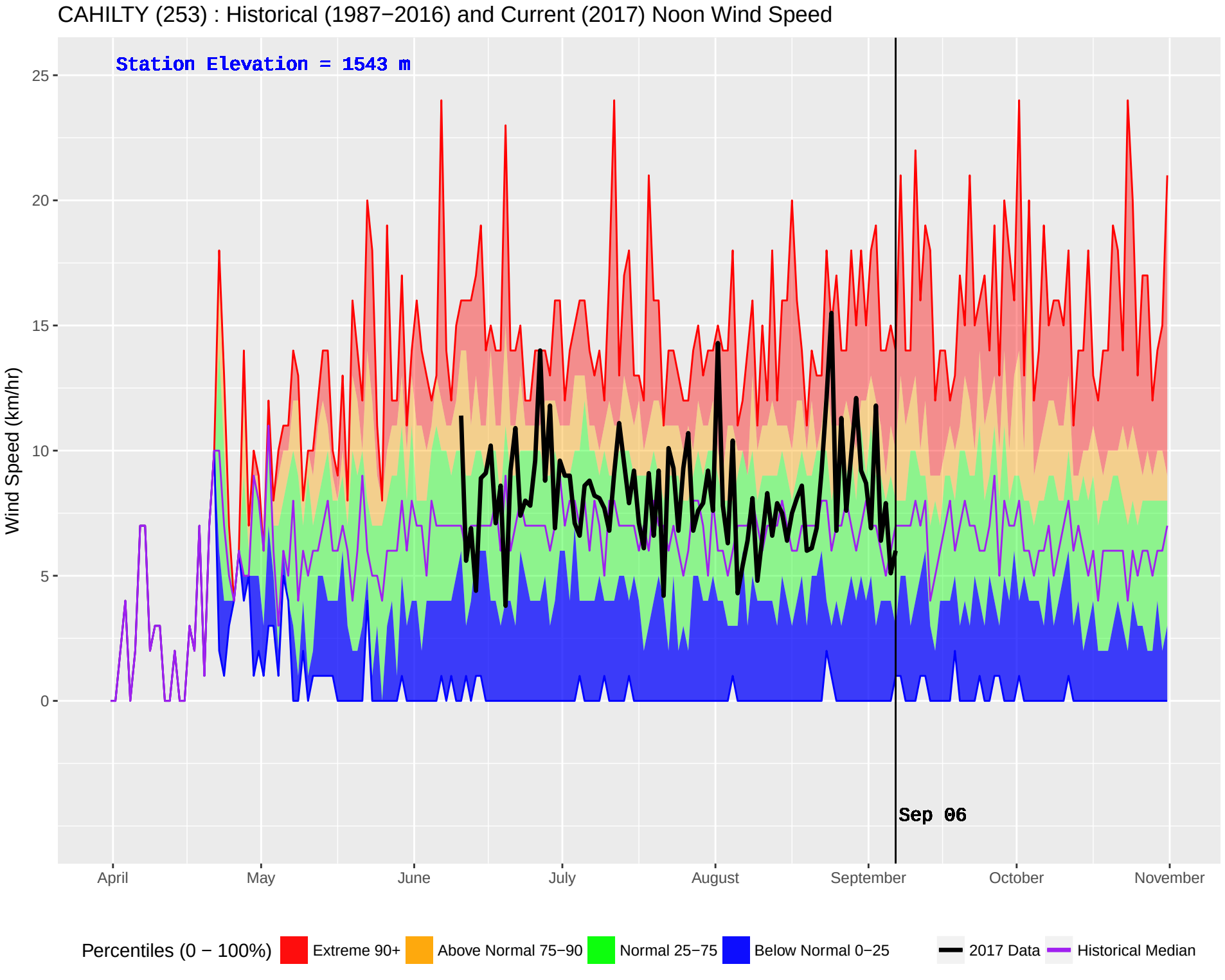
BC: CAHILTY Weather Station

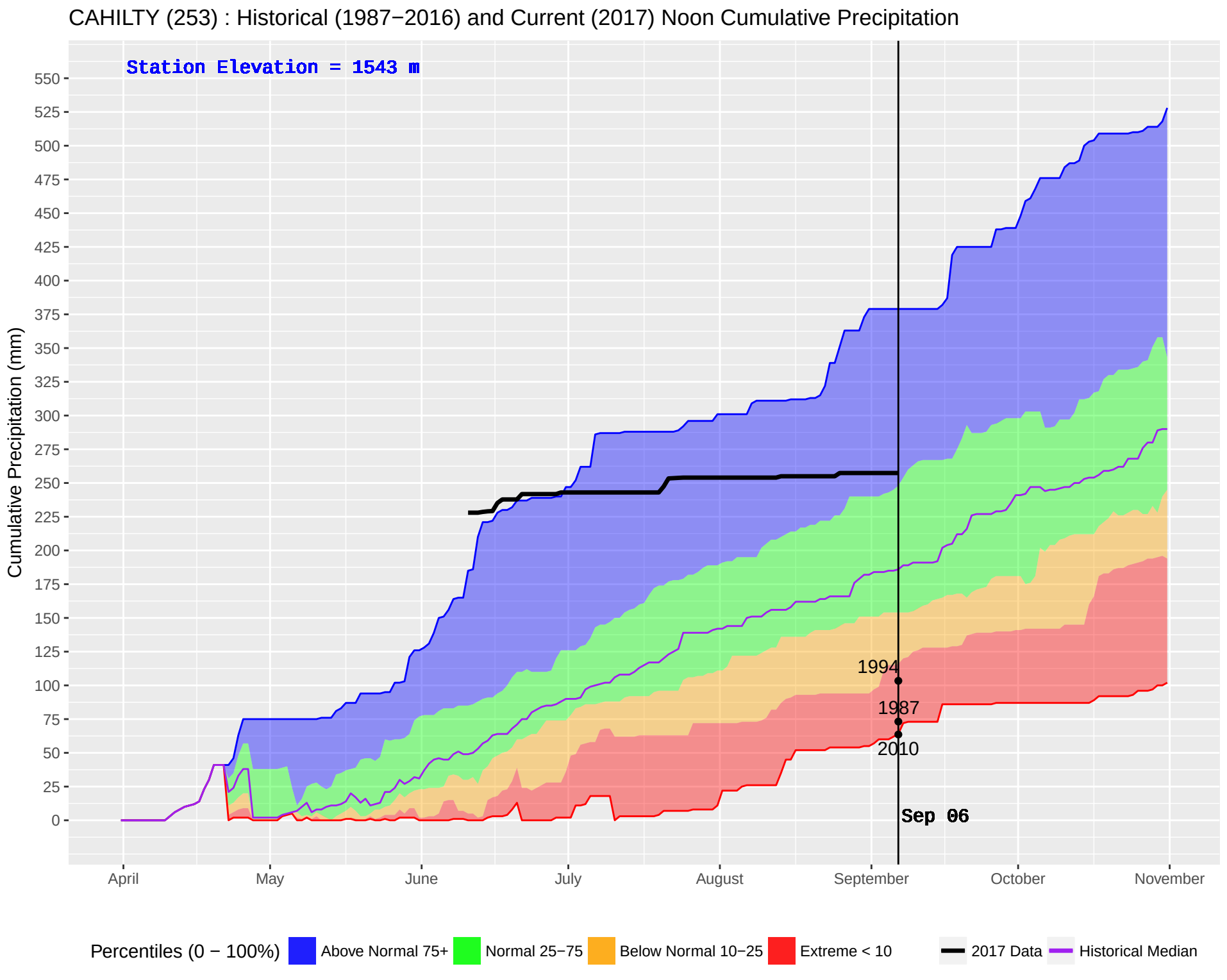
as of

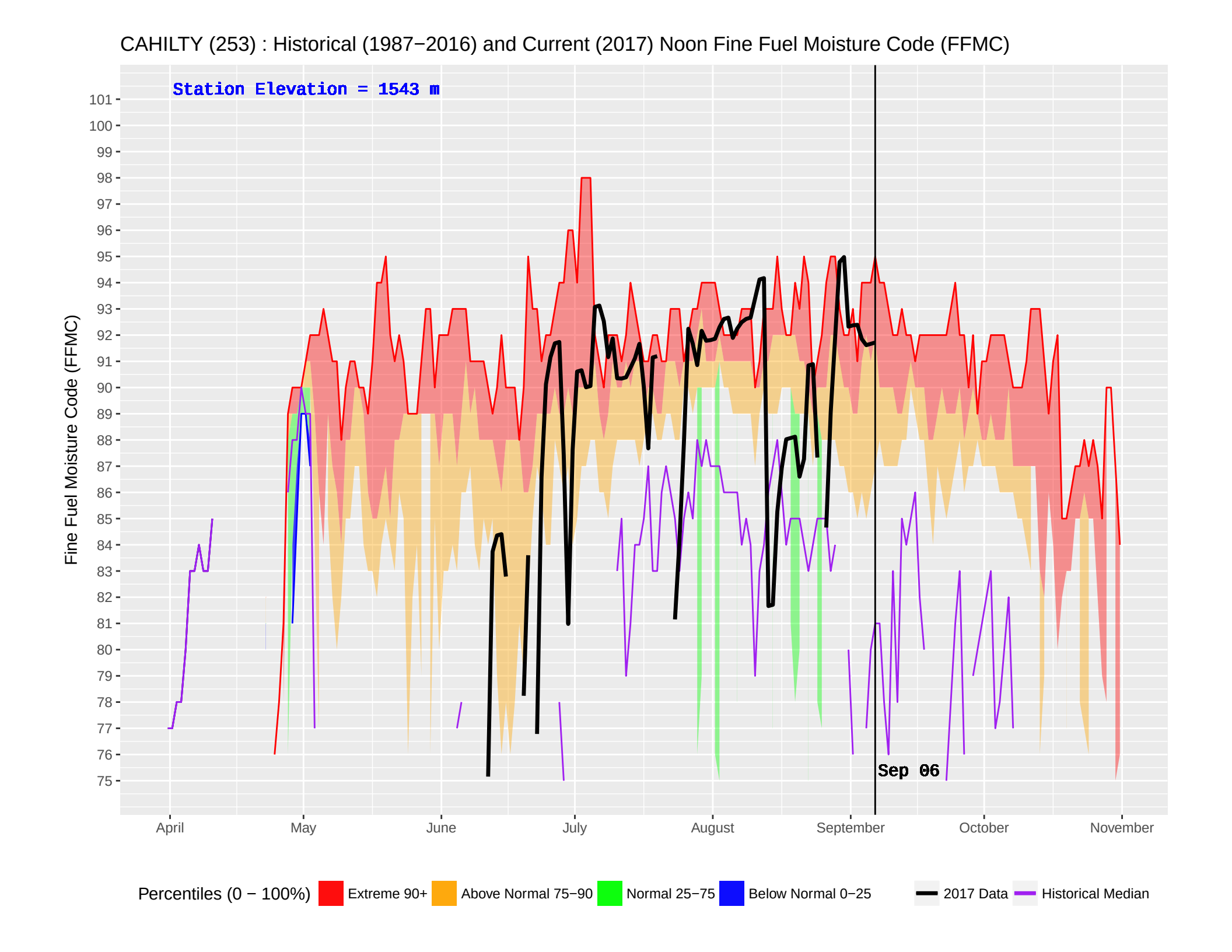
September 06, 2017

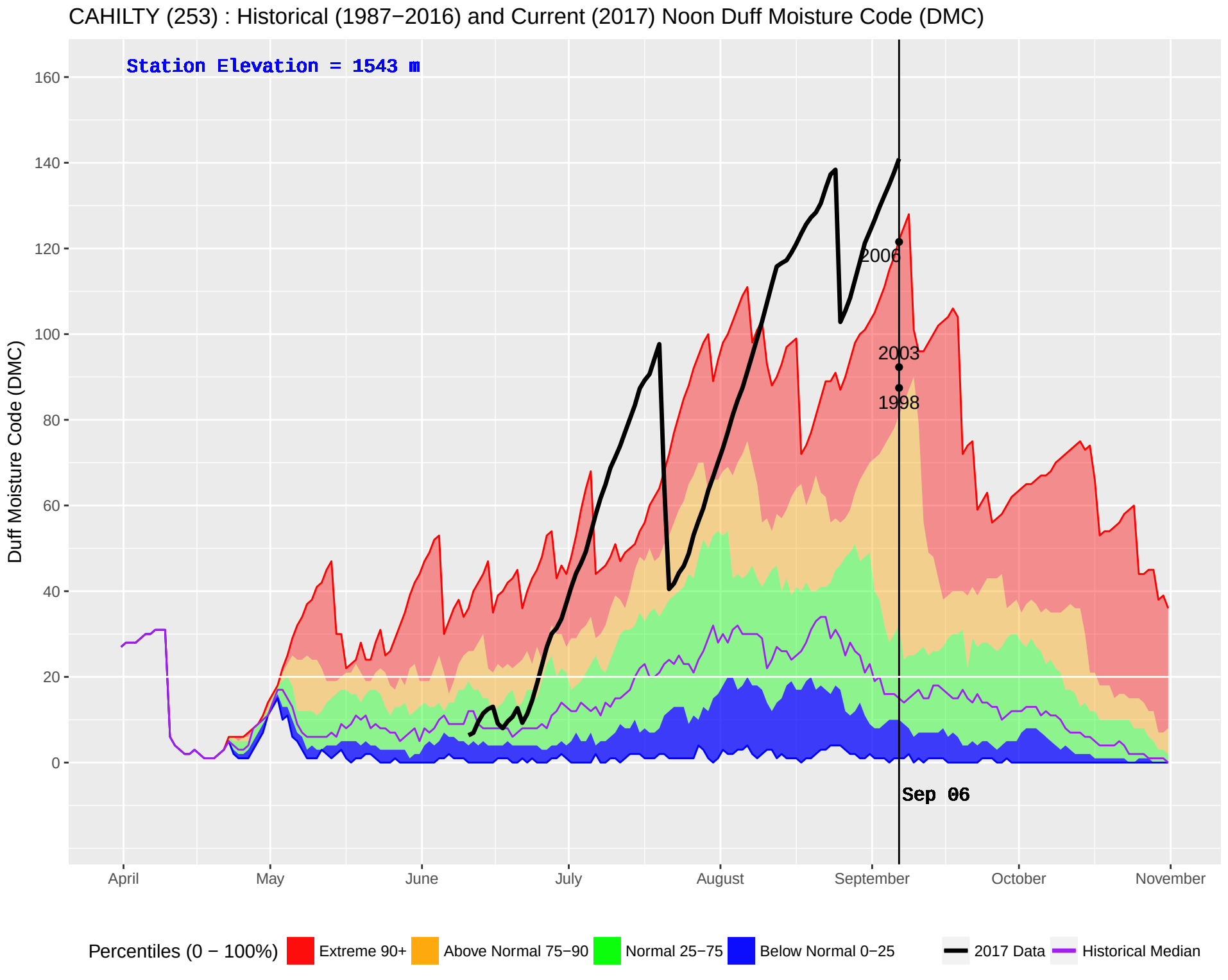

CAHILTY (253) : Historical (1987−2016) and Current (2017) Noon Temperature
Station Elevation = 1543 m
Temperature (C)
30
25
20
15
10
5
0
−5
April
May
June
July
August
September
October
November
Sep 06
Percentiles (0 − 100%)
Extreme 90+
Above Normal 75−90
Normal 25−75
Below Normal 0−25
2017 Data
Historical Median

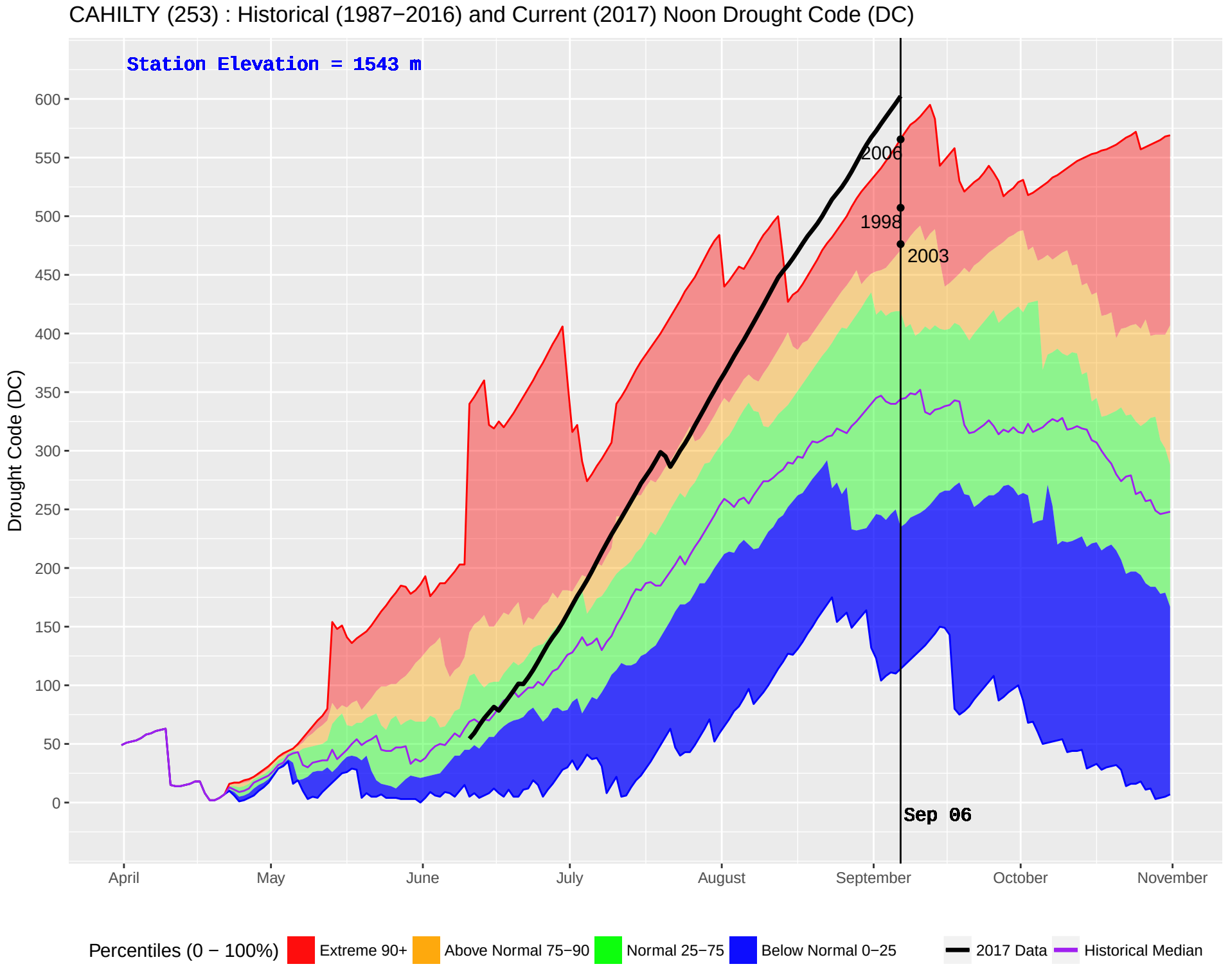

CAHILTY (253) : Historical (1987−2016) and Current (2017) Noon Relative Humidity
Station Elevation = 1543 m
Relative Humidity (%)
100
95
90
85
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
Sep 06
April
May
June
July
August
September
October
November
Percentiles (0 − 100%)
Above Normal 75+
Normal 25−75
Below Normal 10−25
Extreme < 10
2017 Data
Historical Median

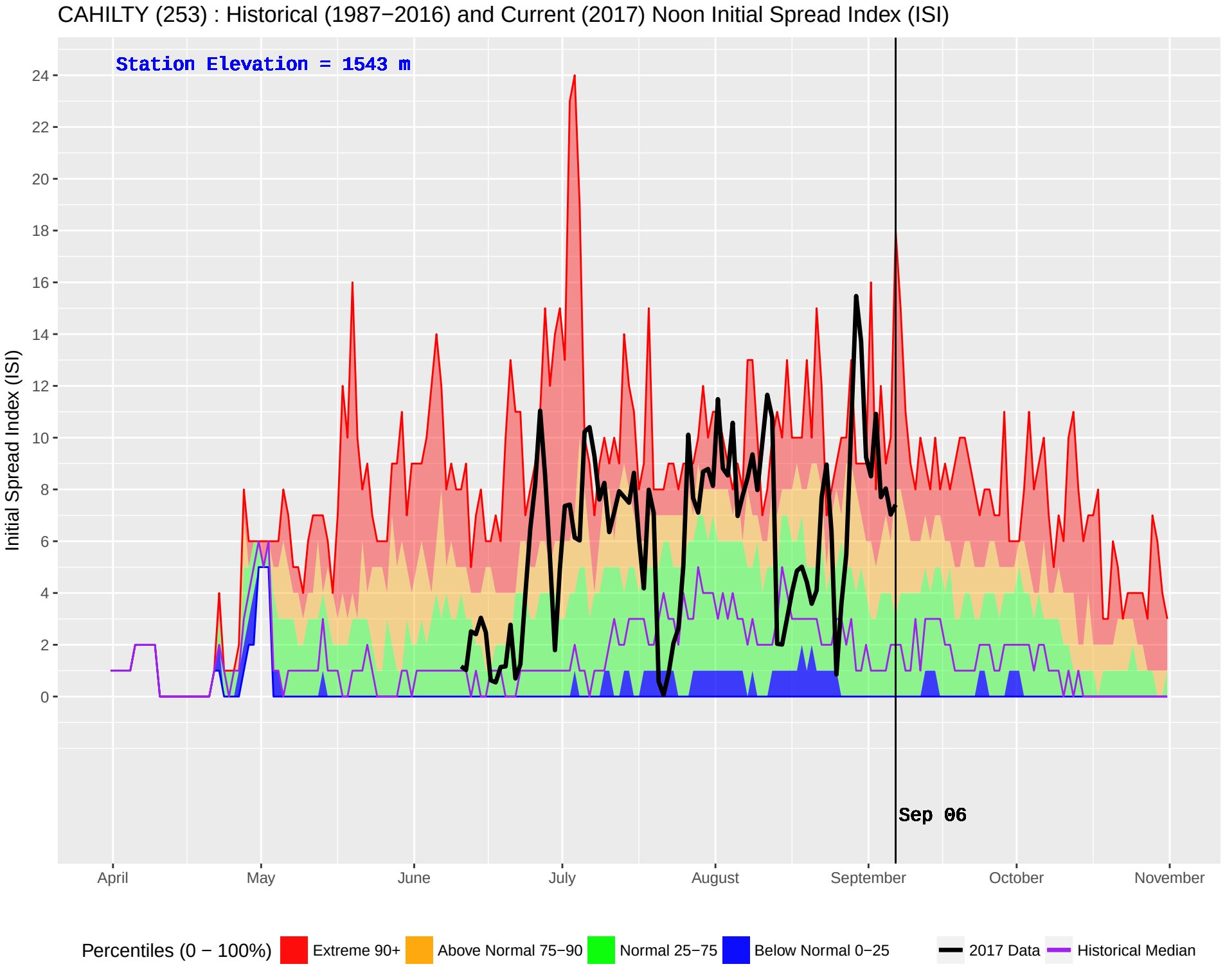

CAHILTY (253) : Historical (1987−2016) and Current (2017) Noon Wind Speed
Station Elevation = 1543 m
Wind Speed (km/hr)
25
20
15
10
5
0
Sep 06
April
May
June
July
August
September
October
November
Percentiles (0 − 100%)
Extreme 90+
Above Normal 75−90
Normal 25−75
Below Normal 0−25
2017 Data
Historical Median

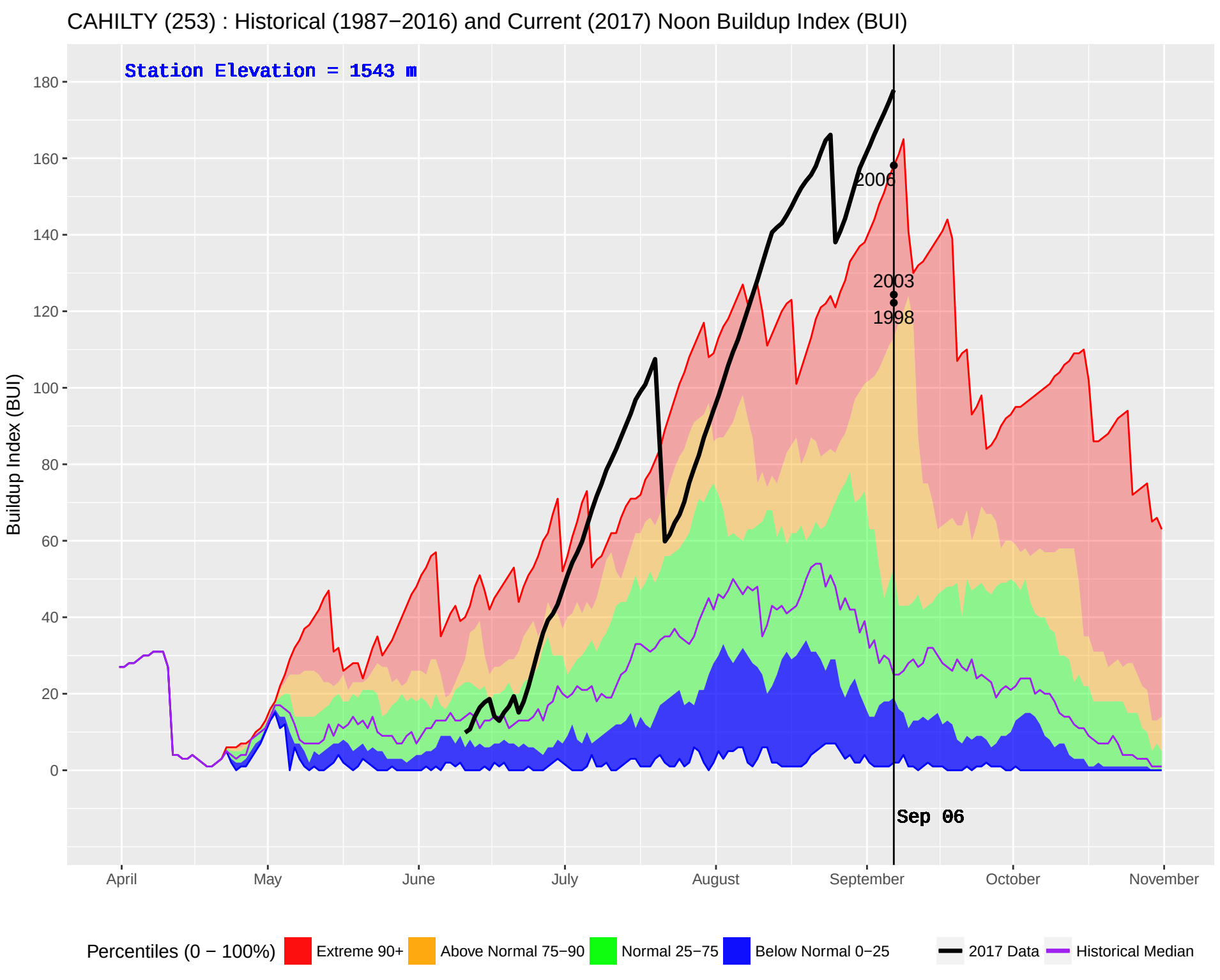

CAHILTY (253) : Historical (1987−2016) and Current (2017) Noon Cumulative Precipitation
Station Elevation = 1543 m
Cumulative Precipitation (mm)
550
525
500
475
450
425
400
375
350
325
300
275
250
225
200
175
150
125
100
75
50
25
0
April
May
June
July
August
September
October
November
1994
1987
2010
Sep 06
Percentiles (0 − 100%)
Above Normal 75+
Normal 25−75
Below Normal 10−25
Extreme < 10
2017 Data
Historical Median

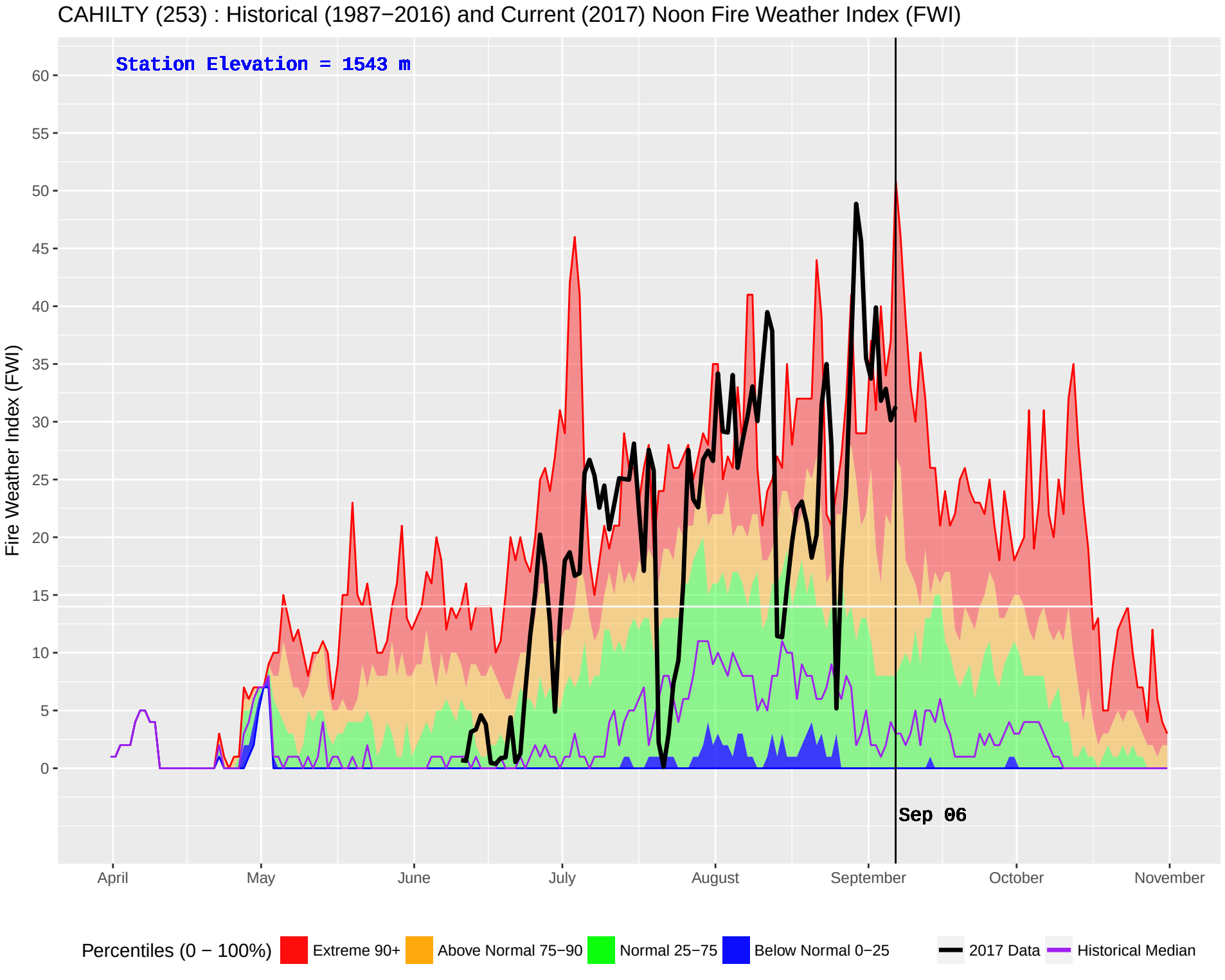

CAHILTY (253) : Historical (1987−2016) and Current (2017) Noon Fine Fuel Moisture Code (FFMC)
Station Elevation = 1543 m
Fine Fuel Moisture Code (FFMC)
101
100
99
98
97
96
95
94
93
92
91
90
89
88
87
86
85
84
83
82
81
80
79
78
77
76
75
April
May
June
July
August
September
October
November
Sep 06
Percentiles (0 − 100%)
Extreme 90+
Above Normal 75−90
Normal 25−75
Below Normal 0−25
2017 Data
Historical Median


CAHILTY (253) : Historical (1987−2016) and Current (2017) Noon Duff Moisture Code (DMC)
Station Elevation = 1543 m
Duff Moisture Code (DMC)
160
140
120
100
80
60
40
20
0
2006
2003
1998
Sep 06
April
May
June
July
August
September
October
November
Percentiles (0 − 100%)
Extreme 90+
Above Normal 75−90
Normal 25−75
Below Normal 0−25
2017 Data
Historical Median


CAHILTY (253) : Historical (1987−2016) and Current (2017) Noon Drought Code (DC)
Station Elevation = 1543 m
Drought Code (DC)
600
550
500
450
400
350
300
250
200
150
100
50
0
2006
1998
2003
Sep 06
April
May
June
July
August
September
October
November
Percentiles (0 − 100%)
Extreme 90+
Above Normal 75−90
Normal 25−75
Below Normal 0−25
2017 Data
Historical Median


CAHILTY (253) : Historical (1987−2016) and Current (2017) Noon Initial Spread Index (ISI)
Station Elevation = 1543 m
Initial Spread Index (ISI)
0
2
4
6
8
10
12
14
16
18
20
22
24
April
May
June
July
August
September
October
November
Sep 06
Percentiles (0 − 100%)
Extreme 90+
Above Normal 75−90
Normal 25−75
Below Normal 0−25
2017 Data
Historical Median


CAHILTY (253) : Historical (1987−2016) and Current (2017) Noon Buildup Index (BUI)
Station Elevation = 1543 m
Buildup Index (BUI)
180
160
140
120
100
80
60
40
20
0
2006
2003
1998
Sep 06
April
May
June
July
August
September
October
November
Percentiles (0 − 100%)
Extreme 90+
Above Normal 75−90
Normal 25−75
Below Normal 0−25
2017 Data
Historical Median


CAHILTY (253) : Historical (1987−2016) and Current (2017) Noon Fire Weather Index (FWI)
Station Elevation = 1543 m
Fire Weather Index (FWI)
60
55
50
45
40
35
30
25
20
15
10
5
0
Sep 06
April
May
June
July
August
September
October
November
Percentiles (0 − 100%)
Extreme 90+
Above Normal 75−90
Normal 25−75
Below Normal 0−25
2017 Data
Historical Median

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