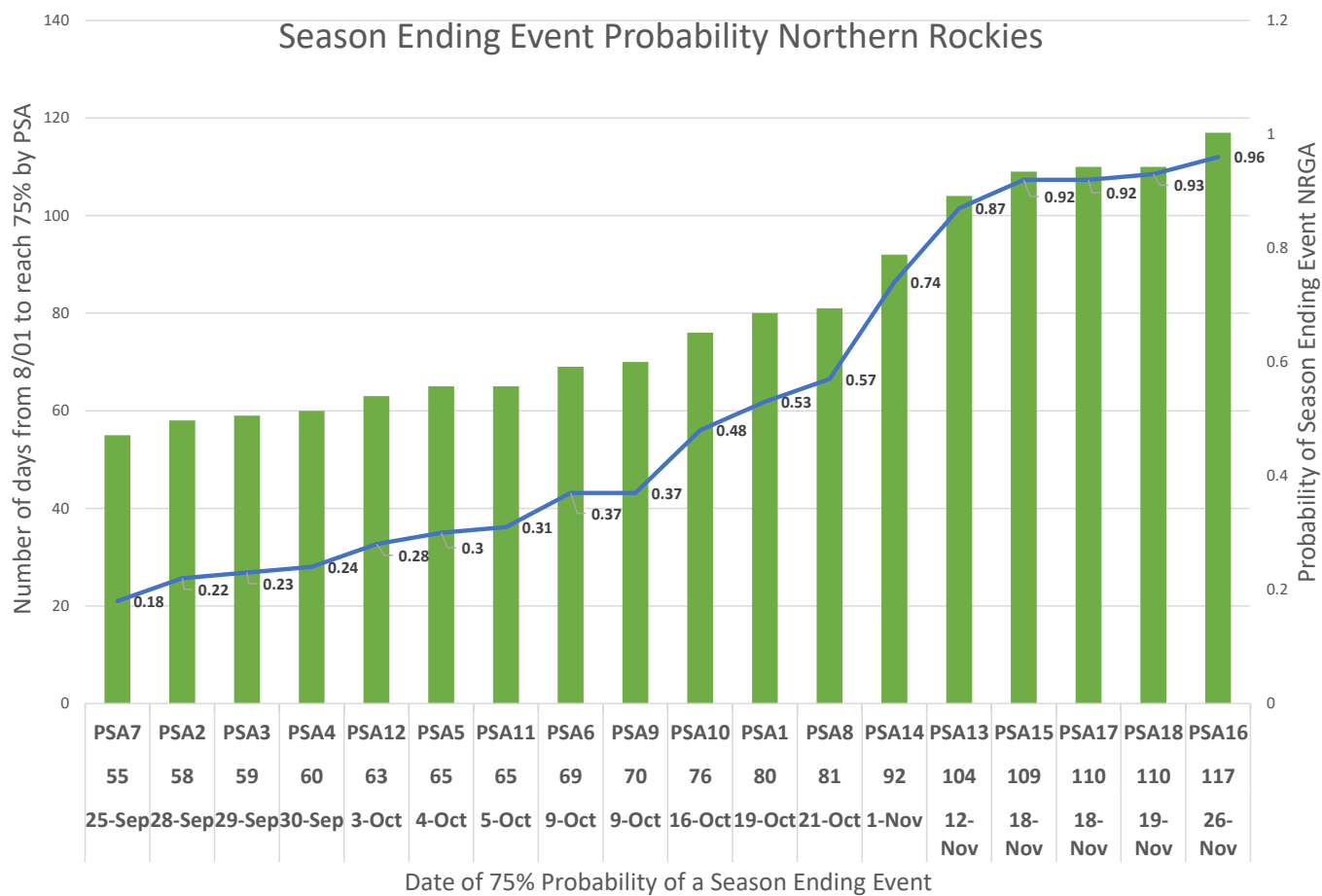


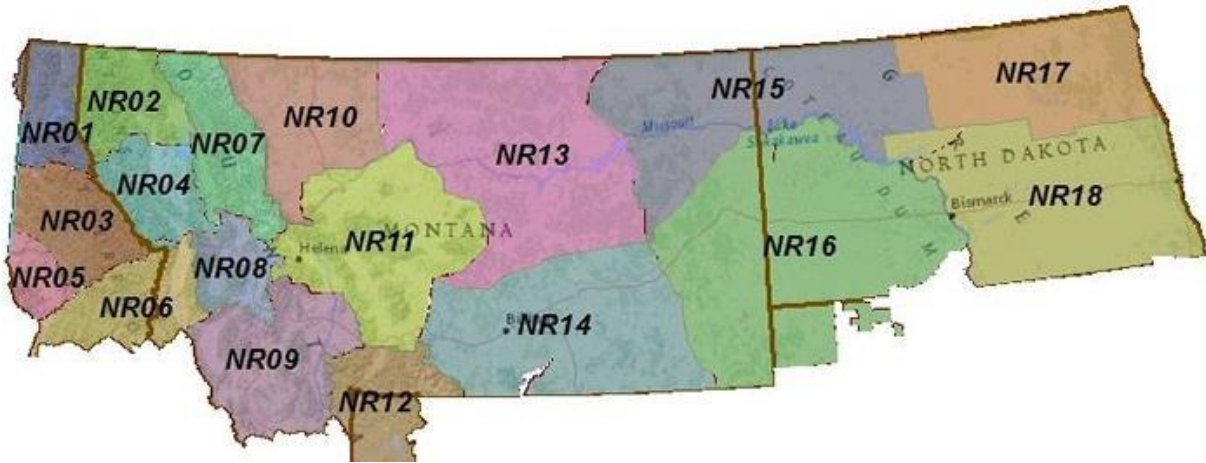
The Northern Rockies Season Ending Chart was developed by selecting the date from each PSA term file that the 75 percentile of a season ending event would occur. Using Fire Family Plus the dates were added to a term file to determine the probability of season ending event for the Northern Rockies Geographic Area. Fuel Model Y and a start date of August 1 as the beginning of the term was used for the analysis. The term report and graph were used to determine the % probability and the number of days past August 1 for each PSA.

The X axis of the chart is the PSA and Date the 75% was reached.

The Y axis is the number of days from August 1 that each individual PSA reached its 75 percentile and is represented by the Green bars.

The Z axis is the probability of a season ending event occurring across the NRGAs as a whole and is represented by the Blue Line.





PSA# PSA NAME

- [NR01 Northern Idaho Panhandle](#)
- [NR02 Northwestern Montana](#)
- [NR03 Southern Idaho Panhandle](#)
- [NR04 Western Montana](#)
- [NR05 Camas Prairie Idaho](#)
- [NR06 North Central Idaho & Bitterroot/Sapphire Mountains](#)
- [NR07 Glacier National Park & Wilderness Areas](#)
- [NR08 Southwest Montana, West of Continental Divide](#)
- [NR09 Big Hole- Southwest Montana, East of Continental Divide](#)
- [NR10 Northern Front Range](#)
- [NR11 West Central Montana](#)
- [NR12 South Central Montana & Yellowstone National Park](#)
- [NR13 Northern Plains & Missouri River Breaks](#)
- [NR14 Southern Montana \(Bighorn/Powder River\)](#)
- [NR15 Northeastern Montana & Northwestern North Dakota](#)
- [NR16 Southeastern Montana & Southwestern North Dakota](#)
- [NR17 Northeastern North Dakota](#)
- [NR18 Southeastern North Dakota](#)

NR01 Northern Idaho Panhandle Season Ending Graph and Report

FireFamily Plus Term Report

Station: SIG - NR01

Term Name: NR01y Season Ending

Season Start Day: 8\1

Data Years: 2002 - 2017

Alpha: 6.006158

Beta: 0.013504

R-Squared: 0.979467

Comment:

Fuel Model Y Timber used for season ending. Date selected when ERC reached the 60th Percentile and did not recover for the given year

Term Dates

Year Day #Days Comment

| | | | |
|------|-------|----|--|
| 2002 | 10/26 | 86 | |
| 2003 | 10/11 | 71 | |
| 2004 | 8/20 | 20 | |
| 2005 | 9/29 | 59 | |
| 2006 | 10/14 | 74 | |
| 2007 | 9/29 | 59 | |
| 2008 | 10/29 | 90 | |
| 2009 | 10/11 | 71 | |
| 2010 | 10/17 | 77 | |
| 2011 | 10/ 2 | 62 | |
| 2012 | 9/14 | 45 | |
| 2013 | 10/11 | 71 | |
| 2014 | 10/11 | 71 | |
| 2015 | 10/23 | 83 | |
| 2016 | 9/29 | 60 | |
| 2017 | 10/17 | 77 | |

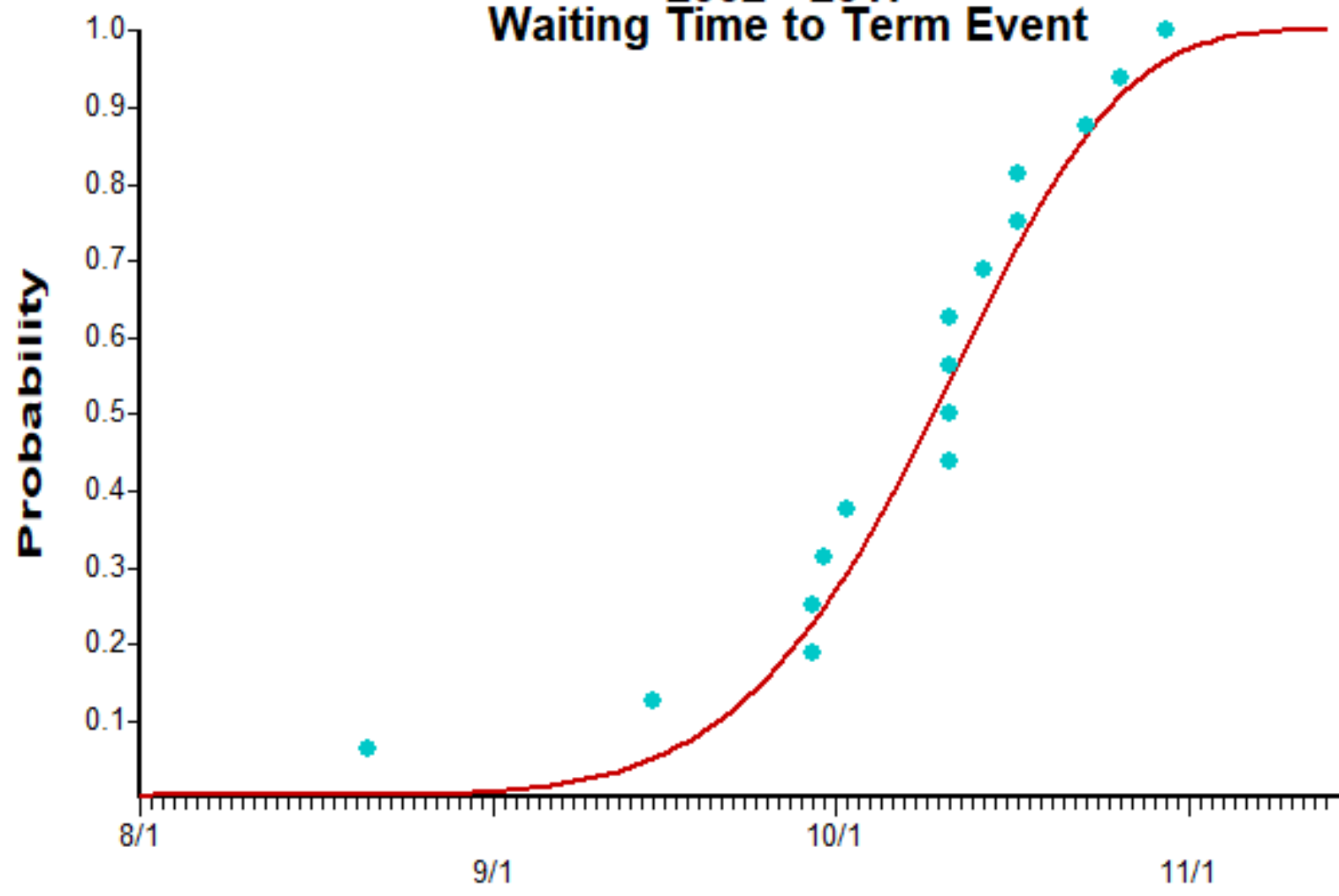
Key Probabilities

Probability Date

| | |
|------|-------------|
| 0.25 | October 01 |
| 0.50 | October 10 |
| 0.75 | October 19 |
| 0.90 | October 26 |
| 0.99 | November 05 |

FF+5.0 build 20191211 08/23/2019-13:16

SIG - NR01
2002 - 2017
Waiting Time to Term Event



● Empirical
— Estimated

NR02 Northwestern Montana Season Ending Graph and Report

FireFamily Plus Term Report

Station: SIG - NR02_2

Term Name: NR02 Season Ending

Season Start Day: 8\1

Data Years: 2001 - 2017

Alpha: 2.097626

Beta: 0.020444

R-Squared: 0.965566

Comment:

Did not use BC Baldy in this data set.

Term Dates

| Year | Day | #Days | Comment |
|------|-------|-------|---------|
| 2001 | 10/ 8 | 68 | |
| 2002 | 9/14 | 44 | |
| 2003 | 10/ 5 | 65 | |
| 2004 | 8/17 | 17 | |
| 2005 | 9/ 8 | 38 | |
| 2006 | 9/14 | 44 | |
| 2007 | 9/20 | 50 | |
| 2008 | 8/17 | 17 | |
| 2009 | 10/ 5 | 65 | |
| 2010 | 8/26 | 25 | |
| 2011 | 9/17 | 47 | |
| 2012 | 10/ 8 | 69 | |
| 2013 | 8/23 | 22 | |
| 2014 | 8/11 | 10 | |
| 2015 | 10/ 5 | 65 | |
| 2016 | 9/ 2 | 33 | |
| 2017 | 9/17 | 47 | |

Key Probabilities

| Probability | Date |
|-------------|------|
|-------------|------|

| | |
|------|-----------|
| 0.25 | August 29 |
|------|-----------|

| | |
|------|--------------|
| 0.50 | September 12 |
|------|--------------|

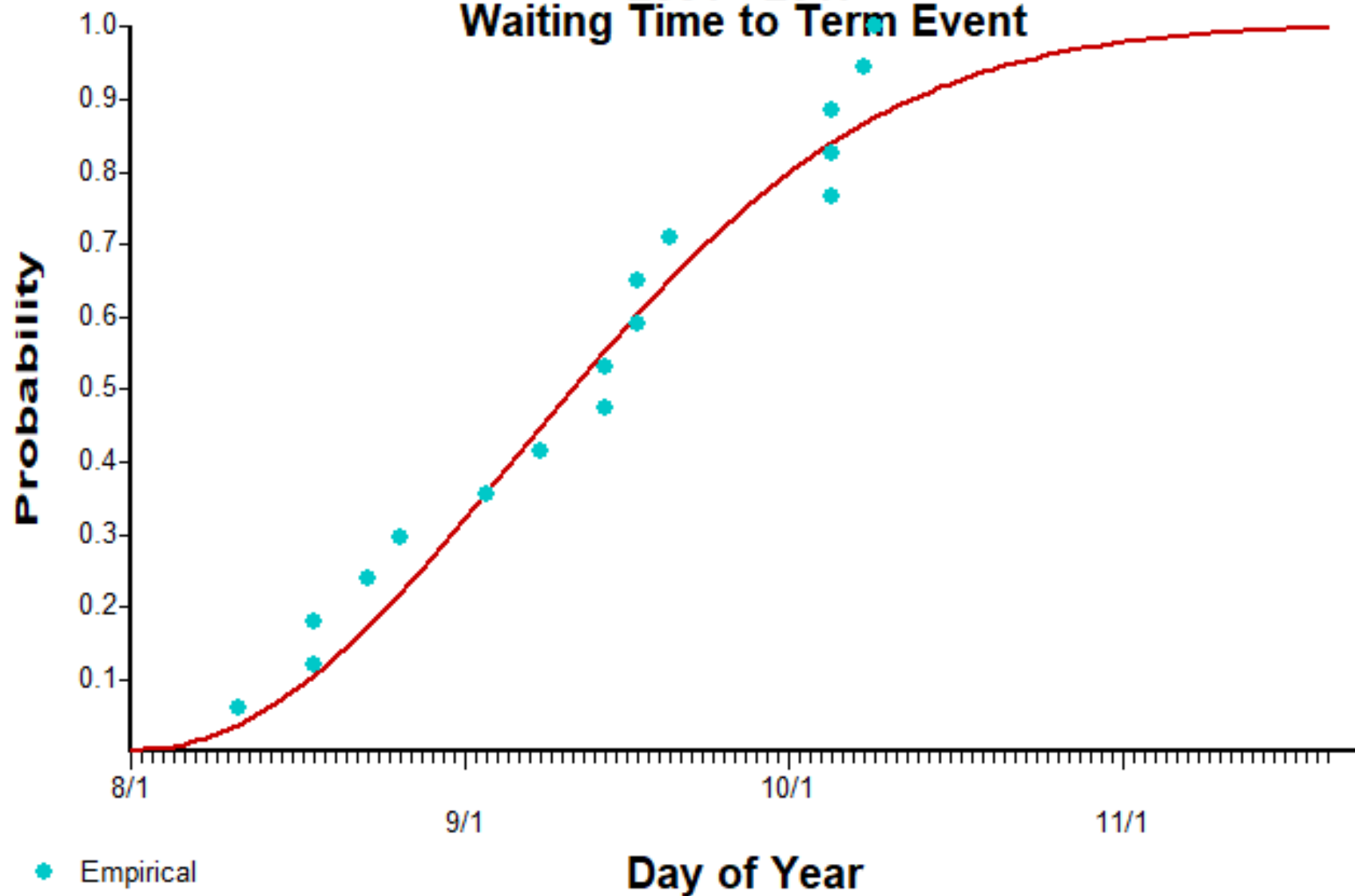
| | |
|------|--------------|
| 0.75 | September 28 |
|------|--------------|

| | |
|------|------------|
| 0.90 | October 13 |
|------|------------|

| | |
|------|-------------|
| 0.99 | November 11 |
|------|-------------|

FF+5.0 build 20191211 08/13/2019-14:32

SIG - NR02_2
2001 - 2017
Waiting Time to Term Event



NR03 Southern Idaho Panhandle Season Ending Graph and Report

FireFamily Plus Term Report

Station: SIG - NR03
Term Name: NR03
Season Start Day: 8\1
Data Years: 2001 - 2017
Alpha: 3.687816
Beta: 0.018747
R-Squared: 0.985300

Comment:

3 day period and the 60th percentile was used to select the date that the ERC did not recover above for each year

Term Dates

Year Day #Days Comment

| | | |
|------|-------|----|
| 2001 | 10/ 5 | 65 |
| 2002 | 9/14 | 44 |
| 2003 | 10/ 8 | 68 |
| 2004 | 8/20 | 20 |
| 2005 | 9/ 8 | 38 |
| 2006 | 9/17 | 47 |
| 2007 | 9/26 | 56 |
| 2008 | 9/17 | 48 |
| 2009 | 9/26 | 56 |
| 2010 | 8/29 | 28 |
| 2011 | 9/23 | 53 |
| 2012 | 10/11 | 72 |
| 2013 | 9/11 | 41 |
| 2014 | 9/17 | 47 |
| 2015 | 10/ 5 | 65 |
| 2016 | 8/29 | 29 |
| 2017 | 9/14 | 44 |

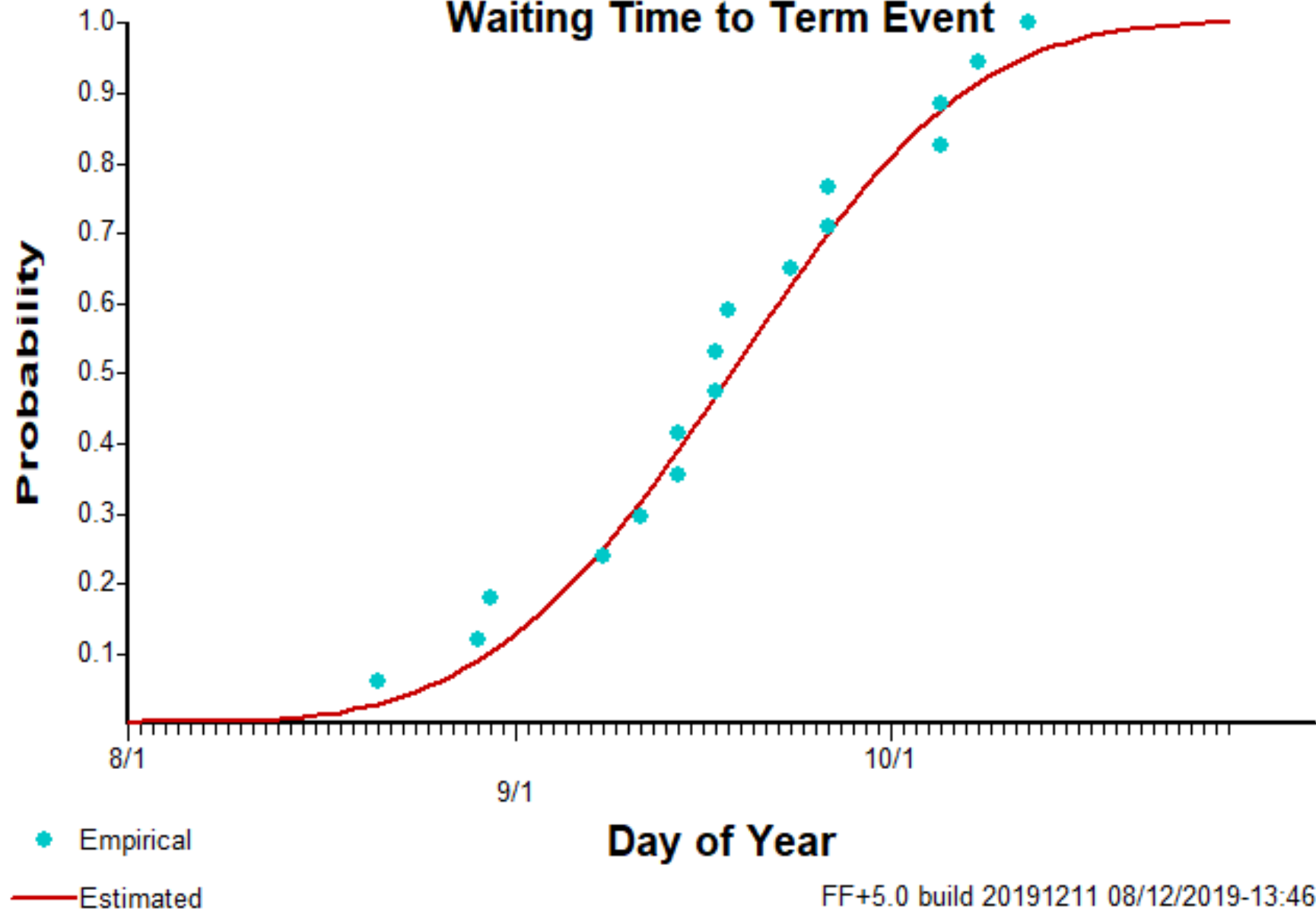
Key Probabilities

Probability Date

| | |
|------|--------------|
| 0.25 | September 09 |
| 0.50 | September 19 |
| 0.75 | September 29 |
| 0.90 | October 07 |
| 0.99 | October 21 |

FF+5.0 build 20191211 08/12/2019-13:46

SIG - NR03
2001 - 2017
Waiting Time to Term Event



NR04 Western Montana Season Ending Graph and Report

FireFamily Plus Term Report

Station: SIG - NR04

Term Name: NR04 Season Ending

Season Start Day: 8\1

Data Years: 2001 - 2017

Alpha: 2.308094

Beta: 0.019366

R-Squared: 0.958008

Comment:

Season ending Date selected where ERC did not recover above the 60th percentile

Term Dates

Year Day #Days Comment

| | | |
|------|-------|----|
| 2001 | 10/ 8 | 68 |
| 2002 | 8/20 | 19 |
| 2003 | 10/ 8 | 68 |
| 2004 | 8/17 | 17 |
| 2005 | 9/ 8 | 38 |
| 2006 | 9/11 | 41 |
| 2007 | 9/17 | 47 |
| 2008 | 8/17 | 17 |
| 2009 | 10/ 5 | 65 |
| 2010 | 8/26 | 25 |
| 2011 | 10/ 2 | 62 |
| 2012 | 10/11 | 72 |
| 2013 | 9/11 | 41 |
| 2014 | 9/23 | 53 |
| 2015 | 10/ 5 | 65 |
| 2016 | 9/ 2 | 33 |
| 2017 | 9/12 | 42 |

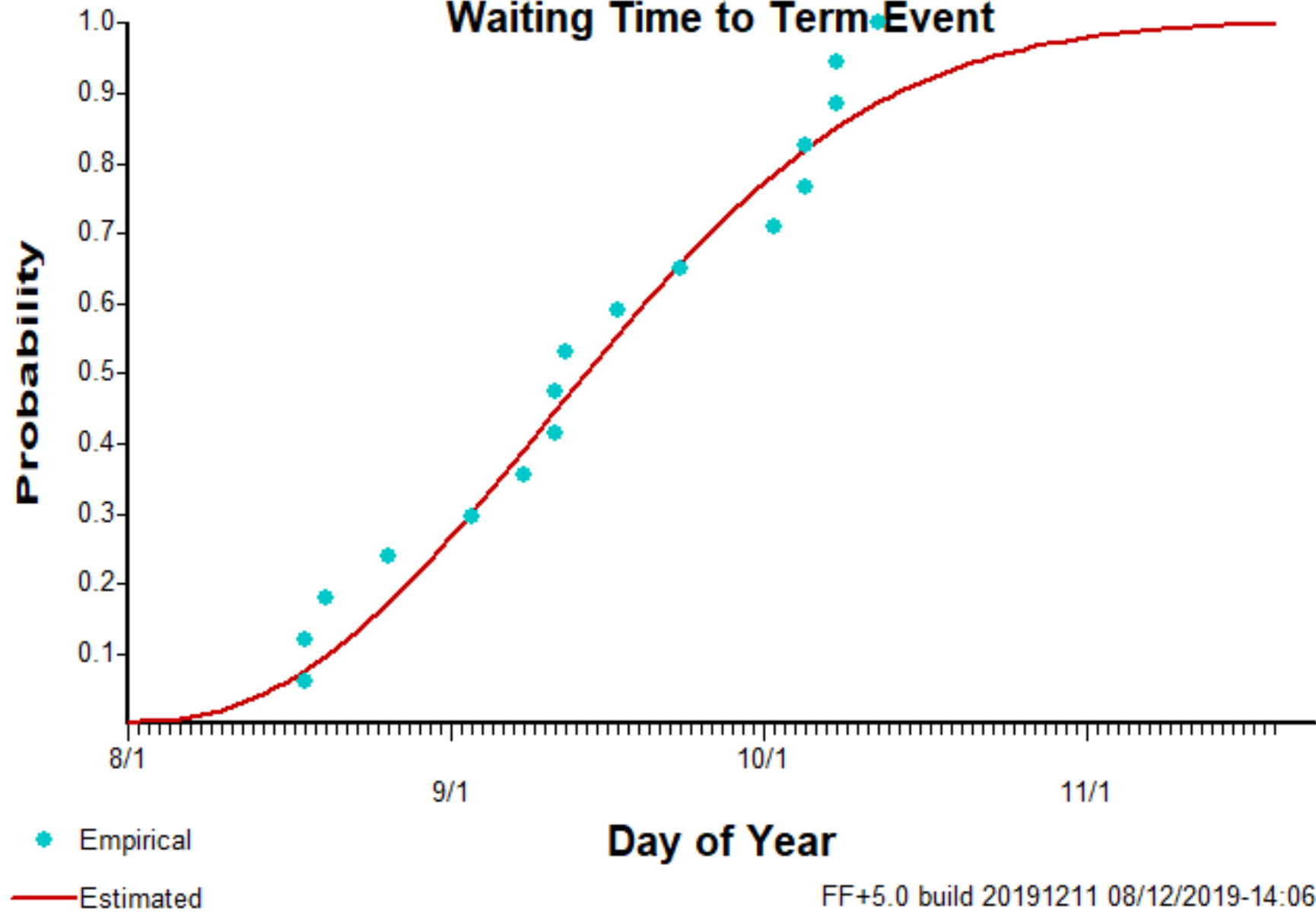
Key Probabilities

Probability Date

| | |
|------|--------------|
| 0.25 | September 01 |
| 0.50 | September 15 |
| 0.75 | September 30 |
| 0.90 | October 15 |
| 0.99 | November 10 |

FF+5.0 build 20191211 08/12/2019-14:06

SIG - NR04
2001 - 2017
Waiting Time to Term Event



NR05 Camas Prairie of Idaho

Season Ending Graph and Report

FireFamily Plus Term Report

Station: SIG - NR05

Term Name: NR05 Season Ending

Season Start Day: 8\1

Data Years: 2001 - 2017

Alpha: 3.716620

Beta: 0.017085

R-Squared: 0.981326

Comment:

Season Ending analysis the date selected when the ERC reached 60 percentile and did not recover. August 1 through October 31

Term Dates

Year Day #Days Comment

| | | |
|------|-------|----|
| 2001 | 10/ 5 | 65 |
| 2002 | 10/26 | 86 |
| 2003 | 10/29 | 89 |
| 2004 | 8/20 | 20 |
| 2005 | 9/17 | 47 |
| 2006 | 9/14 | 44 |
| 2007 | 9/18 | 48 |
| 2008 | 9/20 | 51 |
| 2009 | 9/29 | 59 |
| 2010 | 8/29 | 28 |
| 2011 | 10/ 2 | 62 |
| 2012 | 10/11 | 72 |
| 2013 | 9/14 | 44 |
| 2014 | 9/23 | 53 |
| 2015 | 10/ 5 | 65 |
| 2016 | 9/14 | 45 |
| 2017 | 9/14 | 44 |

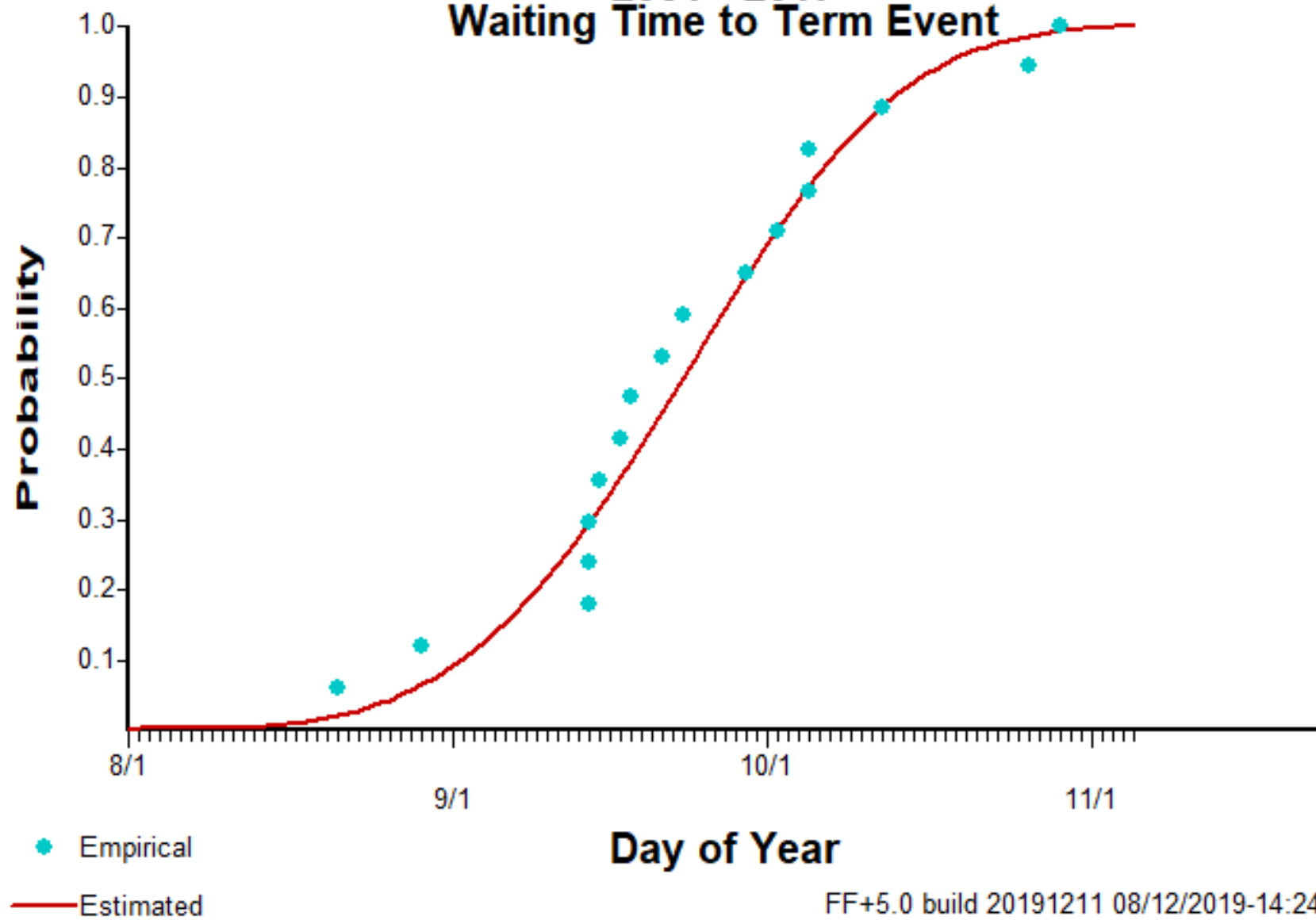
Key Probabilities

Probability Date

| | |
|------|--------------|
| 0.25 | September 12 |
| 0.50 | September 24 |
| 0.75 | October 04 |
| 0.90 | October 14 |
| 0.99 | October 29 |

FF+5.0 build 20191211 08/12/2019-14:24

SIG - NR05
2001 - 2017
Waiting Time to Term Event



NR06 North Central Idaho & Bitterroot/Sapphire Mountains

Season Ending Graph and Report

FireFamily Plus Term Report

Station: SIG - NR06

Term Name: NR06

Season Start Day: 8\1

Data Years: 2000 - 2017

Alpha: 5.578070

Beta: 0.015498

R-Squared: 0.978654

Comment:

Fuel Model Y timber was used. A 3 day analysis period and selected date when the indices did not recover above the 60th percentile for the given year

Term Dates

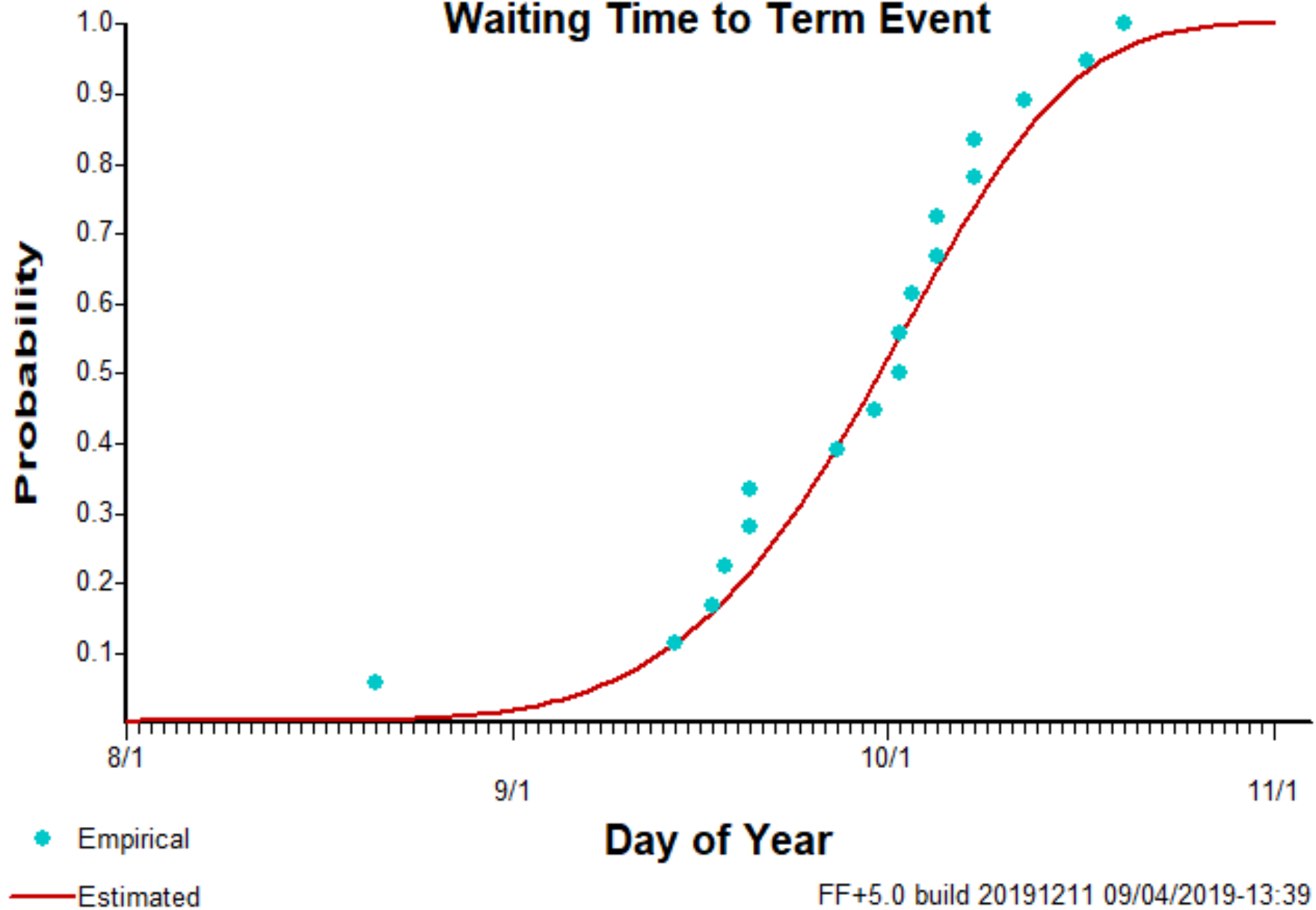
| Year | Day | #Days | Comment |
|------|-------|-------|---------|
| 2000 | 9/26 | 57 | |
| 2001 | 10/ 8 | 68 | |
| 2002 | 10/20 | 80 | |
| 2003 | 10/ 8 | 68 | |
| 2004 | 8/20 | 20 | ERC |
| 2005 | 9/14 | 44 | |
| 2006 | 10/ 2 | 62 | |
| 2007 | 9/20 | 50 | |
| 2008 | 9/29 | 60 | |
| 2009 | 10/ 5 | 65 | |
| 2010 | 10/ 2 | 62 | |
| 2011 | 10/ 3 | 63 | |
| 2012 | 10/11 | 72 | |
| 2013 | 9/20 | 50 | |
| 2014 | 10/ 5 | 65 | |
| 2015 | 10/17 | 77 | |
| 2016 | 9/17 | 48 | |
| 2017 | 9/17 | 47 | |

Key Probabilities

| Probability | Date |
|-------------|--------------|
| 0.25 | September 22 |
| 0.50 | October 01 |
| 0.75 | October 09 |
| 0.90 | October 15 |
| 0.99 | October 25 |

FF+5.0 build 20191211 09/04/2019-13:39

SIG - NR06
2000 - 2017
Waiting Time to Term Event



NR07 Glacier NP & Wilderness Areas

Season Ending Graph and Report

FireFamily Plus Term Report

Station: SIG - NR07

Term Name: NR Season Ending

Season Start Day: 8\1

Data Years: 2001 - 2017

Alpha: 1.985802

Beta: 0.021497

R-Squared: 0.972627

Comment:

3 day period for ERC season ending dates where the indice reaches the 60th percentile and does not recover for a given year

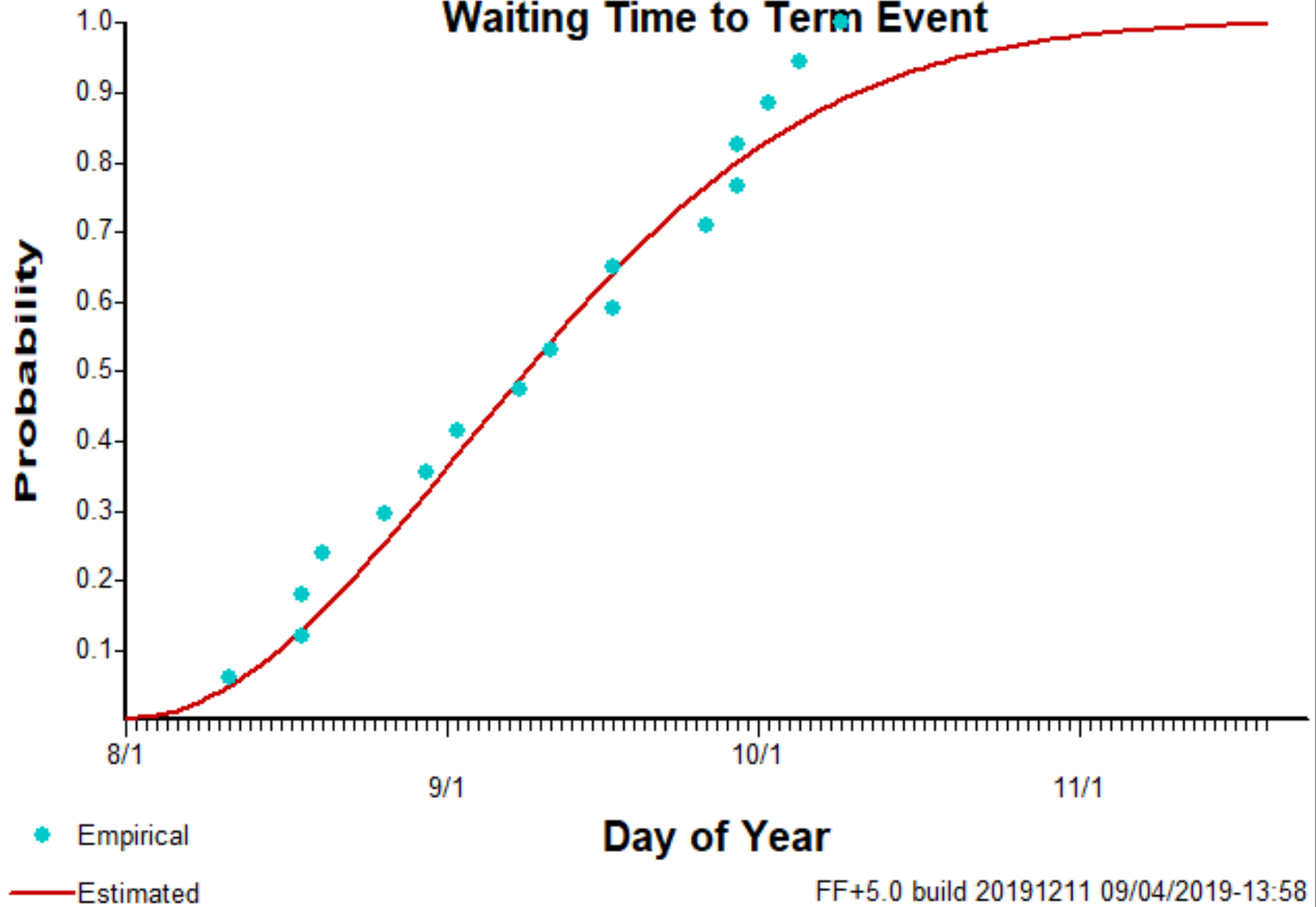
Term Dates

| Year | Day | #Days | Comment |
|------|-------|-------|---------|
| 2001 | 9/26 | 56 | |
| 2002 | 8/20 | 19 | |
| 2003 | 10/ 5 | 65 | |
| 2004 | 8/17 | 17 | |
| 2005 | 9/ 8 | 38 | |
| 2006 | 9/11 | 41 | |
| 2007 | 9/17 | 47 | |
| 2008 | 8/17 | 17 | |
| 2009 | 9/29 | 59 | |
| 2010 | 8/26 | 25 | |
| 2011 | 9/29 | 59 | |
| 2012 | 10/ 8 | 69 | |
| 2013 | 9/ 2 | 32 | |
| 2014 | 8/11 | 10 | |
| 2015 | 10/ 2 | 62 | |
| 2016 | 8/29 | 29 | |
| 2017 | 9/17 | 47 | |

Key Probabilities

| Probability | Date |
|-------------|--------------|
| 0.25 | August 26 |
| 0.50 | September 09 |
| 0.75 | September 25 |
| 0.90 | October 11 |
| 0.99 | November 10 |

SIG - NR07
2001 - 2017
Waiting Time to Term Event



NR08 Southwest Montana, West of Continental Divide

Season Ending Graph and Report

FireFamily Plus Term Report

Station: SIG - NR08

Term Name: NR08 Season Ending

Season Start Day: 8\1

Data Years: 2002 - 2017

Alpha: 3.794203

Beta: 0.013592

R-Squared: 0.935354

Comment:

Season ending 3 day analysis of ERC date selected when the indices reached 60 percentile and did not recover

Term Dates

Year Day #Days Comment

| | | |
|------|-------|----|
| 2002 | 10/20 | 80 |
| 2003 | 10/26 | 86 |
| 2004 | 8/17 | 17 |
| 2005 | 9/11 | 41 |
| 2006 | 10/ 2 | 62 |
| 2007 | 9/17 | 47 |
| 2008 | 8/17 | 17 |
| 2009 | 10/ 2 | 62 |
| 2010 | 10/17 | 77 |
| 2011 | 10/ 2 | 62 |
| 2012 | 10/17 | 78 |
| 2013 | 10/26 | 86 |
| 2014 | 10/17 | 77 |
| 2015 | 10/17 | 77 |
| 2016 | 9/29 | 60 |
| 2017 | 10/29 | 89 |

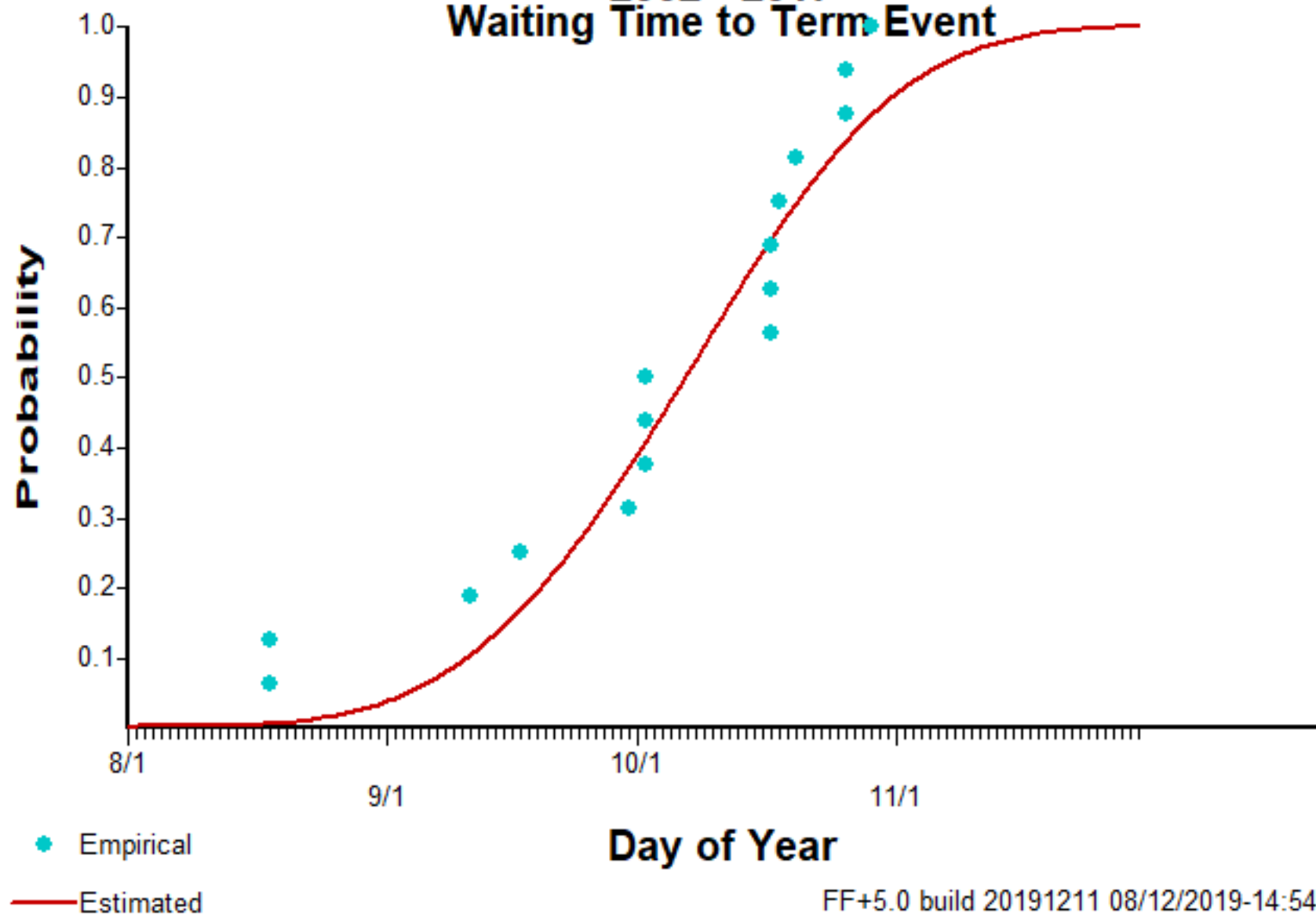
Key Probabilities

Probability Date

| | |
|-------------|---------------------|
| 0.25 | September 23 |
| 0.50 | October 07 |
| 0.75 | October 21 |
| 0.90 | November 01 |
| 0.99 | November 20 |

FF+5.0 build 20191211 08/12/2019-14:54

SIG - NR08
2002 - 2017
Waiting Time to Term Event



NR09w Big Hole-SW Montana, East of Continental Divide

Season Ending Graph and Report

FireFamily Plus Term Report

Station: SIG - NR09
Term Name: NR09w_SeasonEnding
Season Start Day: 10\1
Data Years: 2001 - 2017
Alpha: 4.894432
Beta: 0.021229
R-Squared: 0.972991

Comment:

Fuel Model w season ending in the non timbered areas of NR09 Combination of BI, 100 hr fm, and last large fire for given year. The latest date reached by the indicator.
BI 60% (18) reached and did not recover
100 hr fuel moisture above the 60% (8) and did not decline
Last large fire over 5 acres

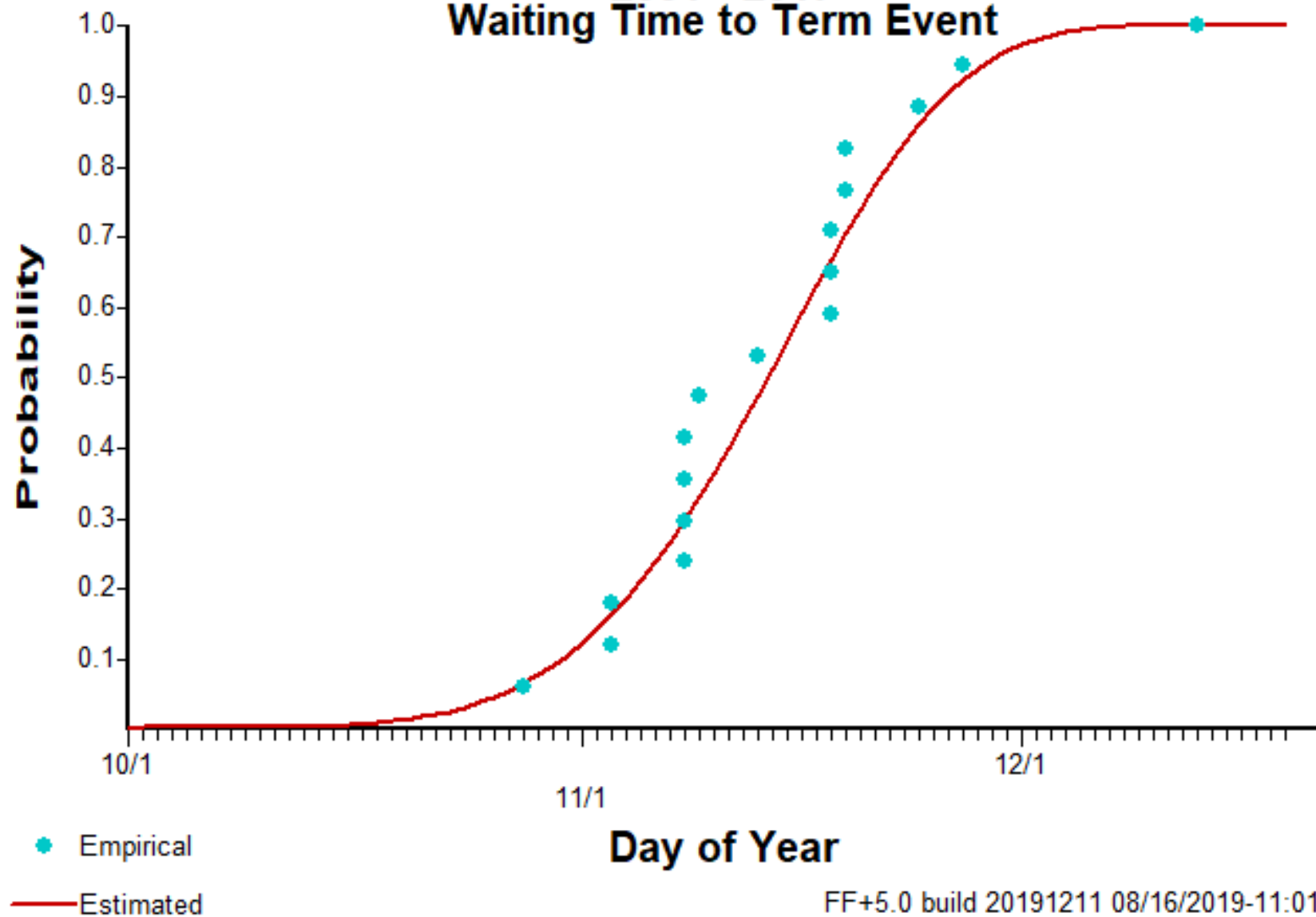
Term Dates

| Year | Day | #Days | Comment |
|------|-------|-------|-----------------------------|
| 2001 | 11/18 | 48 | BI and 100 hr fuel moisture |
| 2002 | 11/18 | 48 | BI used |
| 2003 | 11/27 | 57 | BI used |
| 2004 | 11/18 | 49 | 100 hr fuel moisture |
| 2005 | 11/ 3 | 33 | BI used |
| 2006 | 11/ 8 | 38 | 100 hr fuel moisture |
| 2007 | 11/18 | 48 | 100 hr fuel moisture |
| 2008 | 11/18 | 49 | BI used |
| 2009 | 11/ 8 | 38 | BI used |
| 2010 | 11/ 8 | 38 | 100 hr fuel moisture |
| 2011 | 11/ 3 | 33 | BI and 100 hr Fuel moisture |
| 2012 | 11/ 8 | 39 | BI and 100 hr fuel moisture |
| 2013 | 11/ 8 | 38 | BI used |
| 2014 | 11/13 | 43 | 100 hr fuel moisture |
| 2015 | 10/28 | 27 | 100 hr fuel moisture |
| 2016 | 11/23 | 54 | 100 hr fuel moisture |
| 2017 | 12/13 | 73 | BI used |

Key Probabilities

| Probability | Date |
|-------------|--------------------|
| 0.25 | November 07 |
| 0.50 | November 14 |
| 0.75 | November 21 |
| 0.90 | November 26 |
| 0.99 | December 05 |

SIG - NR09
2001 - 2017
Waiting Time to Term Event



NR09y Big Hole-SW Montana, East of Continental Divide

Season Ending Graph and Report

FireFamily Plus Term Report

Station: SIG - NR09

Term Name: NR09 Season Ending y

Season Start Day: 8\1

Data Years: 2001 - 2017

Alpha: 2.178381

Beta: 0.016880

R-Squared: 0.965614

Comment:

Fuel model Y-Timber. Selected date that the ERC reached the 60th percentile and did not recover for a given year

Term Dates

Year Day #Days Comment

| | | | |
|------|-------|----|--|
| 2001 | 10/ 2 | 62 | |
| 2002 | 8/20 | 19 | |
| 2003 | 10/26 | 86 | |
| 2004 | 8/14 | 14 | |
| 2005 | 9/14 | 44 | |
| 2006 | 9/14 | 44 | |
| 2007 | 9/14 | 44 | |
| 2008 | 10/ 2 | 63 | |
| 2009 | 9/29 | 59 | |
| 2010 | 10/ 2 | 62 | |
| 2011 | 10/ 2 | 62 | |
| 2012 | 10/14 | 75 | |
| 2013 | 9/ 2 | 32 | |
| 2014 | 8/11 | 10 | |
| 2015 | 10/14 | 74 | |
| 2016 | 9/ 2 | 33 | |
| 2017 | 10/31 | 91 | |

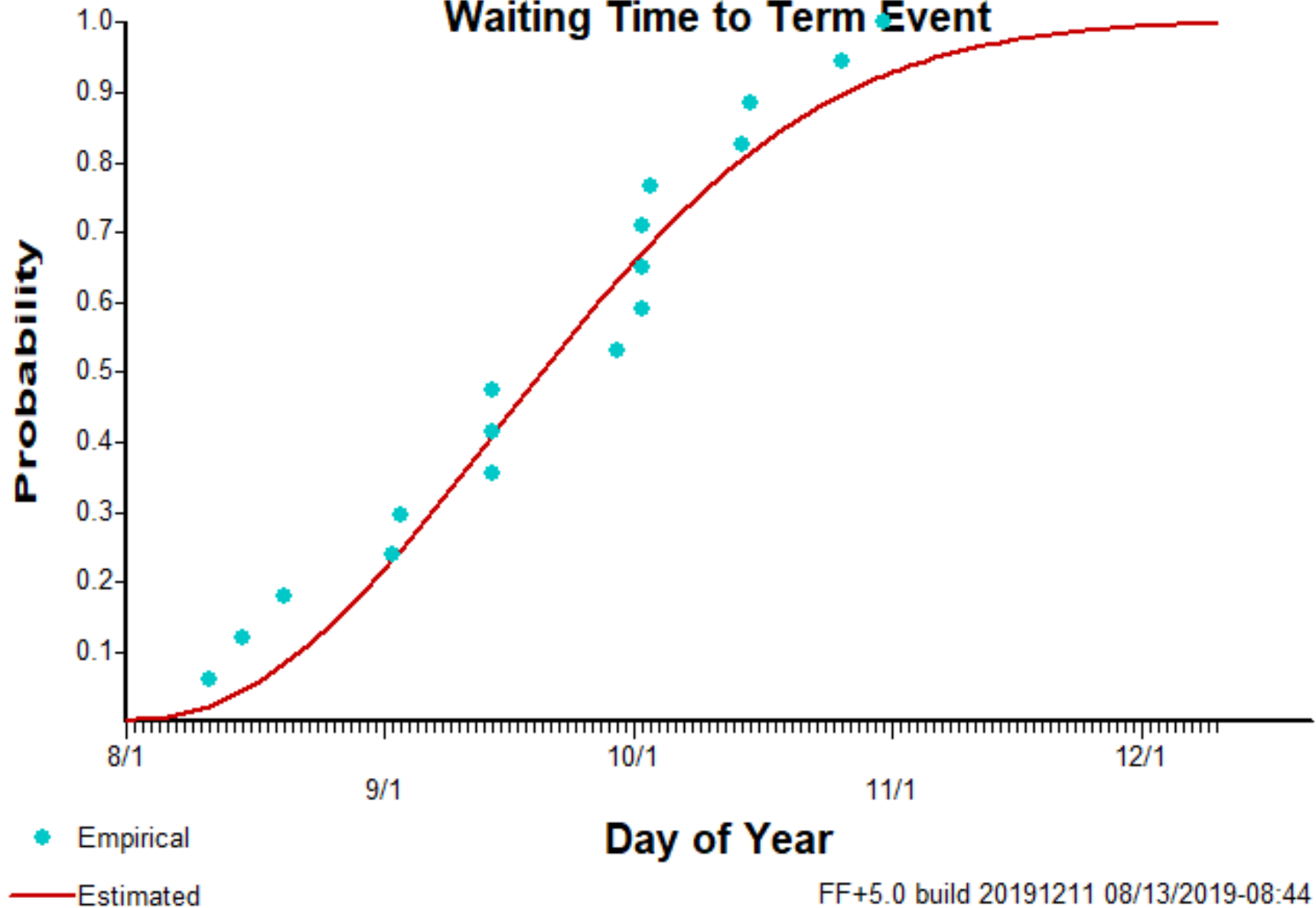
Key Probabilities

Probability Date

| | |
|------|--------------|
| 0.25 | September 04 |
| 0.50 | September 21 |
| 0.75 | October 09 |
| 0.90 | October 27 |
| 0.99 | November 29 |

FF+5.0 build 20191211 08/13/2019-08:44

SIG - NR09
2001 - 2017
Waiting Time to Term Event



NR10w Northern Front Range Season Ending Graph and Report

FireFamily Plus Term Report

Station: SIG - NR10
Term Name: NR10w_SeasonEnding
Season Start Day: 10\1
Data Years: 2002 - 2017
Alpha: 2.635148
Beta: 0.019736
R-Squared: 0.976487

Comment:

Determine season ending used a combination of BI, 100 hr fuel moisture, and last large fire. Used Fuel Model W
BI below 60%(7) and did not recover
100 Hr fuel
moisture above the 60% (18) and did not lower
Last larger fire over 5 acres

Term Dates

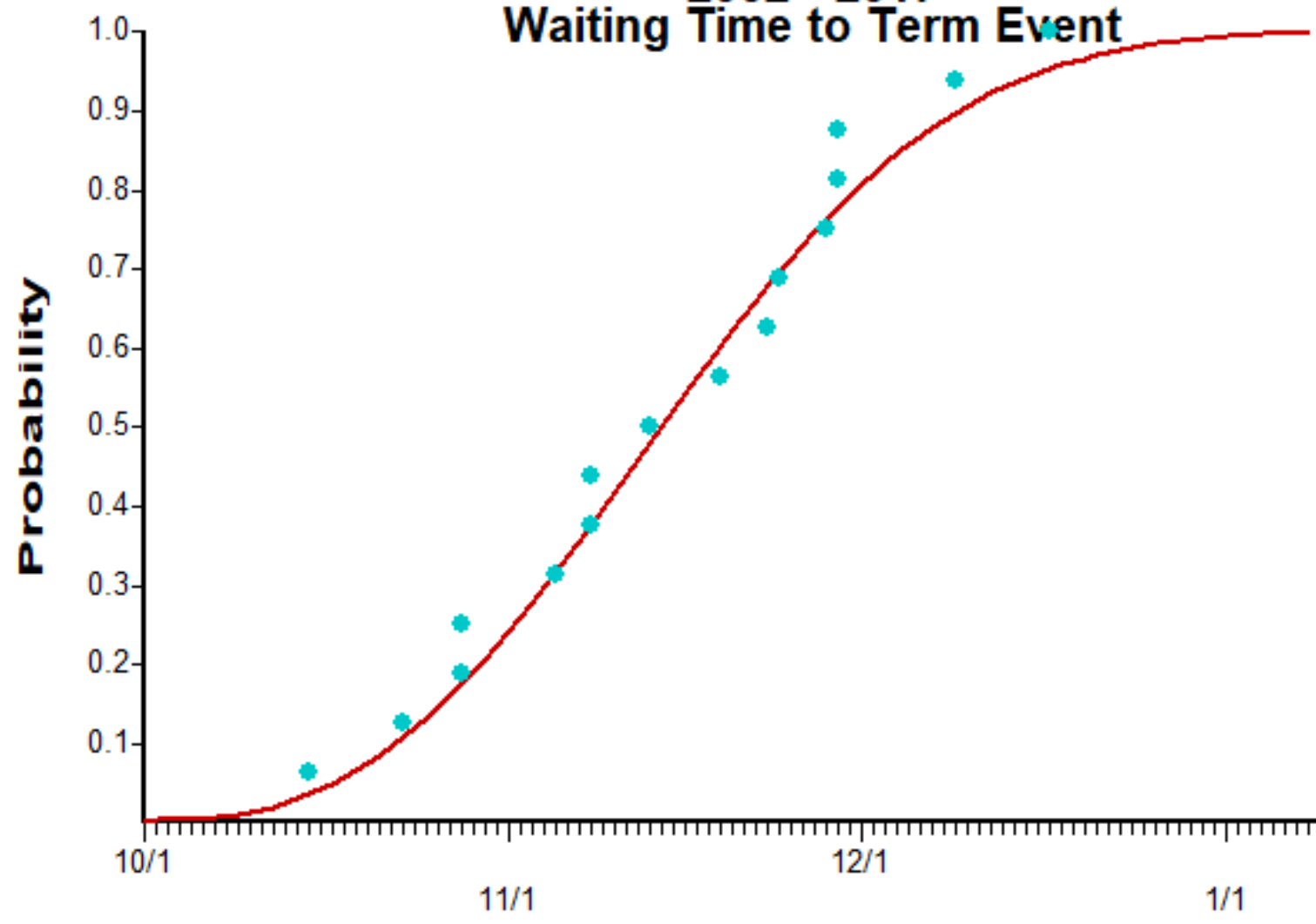
| Year | Day | #Days | Comment |
|------|-------|-------|-----------------------|
| 2002 | 11/28 | 58 | BI used |
| 2003 | 10/28 | 27 | BI and 100 hr fm used |
| 2004 | 10/14 | 14 | 100 hr fuel moisture |
| 2005 | 10/28 | 27 | 100 hr fuel moisture |
| 2006 | 11/23 | 53 | Last large fire |
| 2007 | 11/29 | 59 | Last large fire |
| 2008 | 11/23 | 54 | BI used |
| 2009 | 11/ 8 | 38 | Last large fire |
| 2010 | 11/13 | 43 | BI and 100 hr fm used |
| 2011 | 10/23 | 22 | BI and 100 hr fm used |
| 2012 | 11/ 4 | 35 | Last large fire |
| 2013 | 11/19 | 49 | Last large fire |
| 2014 | 11/ 8 | 38 | BI used |
| 2015 | 12/ 9 | 69 | Last large fire |
| 2016 | 11/28 | 59 | BI used |
| 2017 | 12/17 | 77 | Last large fire |

Key Probabilities

| Probability | Date |
|-------------|-------------|
| 0.25 | November 02 |
| 0.50 | November 15 |
| 0.75 | November 28 |
| 0.90 | December 10 |
| 0.99 | December 31 |

FF+5.0 build 20191211 08/16/2019-09:42

SIG - NR10
2002 - 2017
Waiting Time to Term Event



● Empirical
— Estimated

NR10y Northern Front Range Season Ending Graph and Report

FireFamily Plus Term Report

Station: SIG - NR10

Term Name: NR10y Season Ending

Season Start Day: 7\15

Data Years: 2000 - 2017

Alpha: 3.071394

Beta: 0.011998

R-Squared: 0.989879

Comment:

Fuel model y-timber Selected date when the ERC dropped to 60% and did not recover

Term Dates

| Year | Day | #Days | Comment |
|------|-----|-------|---------|
|------|-----|-------|---------|

| | | | |
|------|-------|-----|--|
| 2000 | 8/26 | 43 | |
| 2001 | 10/ 8 | 85 | |
| 2002 | 7/29 | 14 | |
| 2003 | 10/26 | 103 | |
| 2004 | 10/11 | 89 | |
| 2005 | 9/ 8 | 55 | |
| 2006 | 9/11 | 58 | |
| 2007 | 9/17 | 64 | |
| 2008 | 10/29 | 107 | |
| 2009 | 9/29 | 76 | |
| 2010 | 10/23 | 100 | |
| 2011 | 10/ 2 | 79 | |
| 2012 | 10/ 2 | 80 | |
| 2013 | 9/ 2 | 49 | |
| 2014 | 9/23 | 70 | |
| 2015 | 10/23 | 100 | |
| 2016 | 9/ 2 | 50 | |
| 2017 | 11/14 | 122 | |

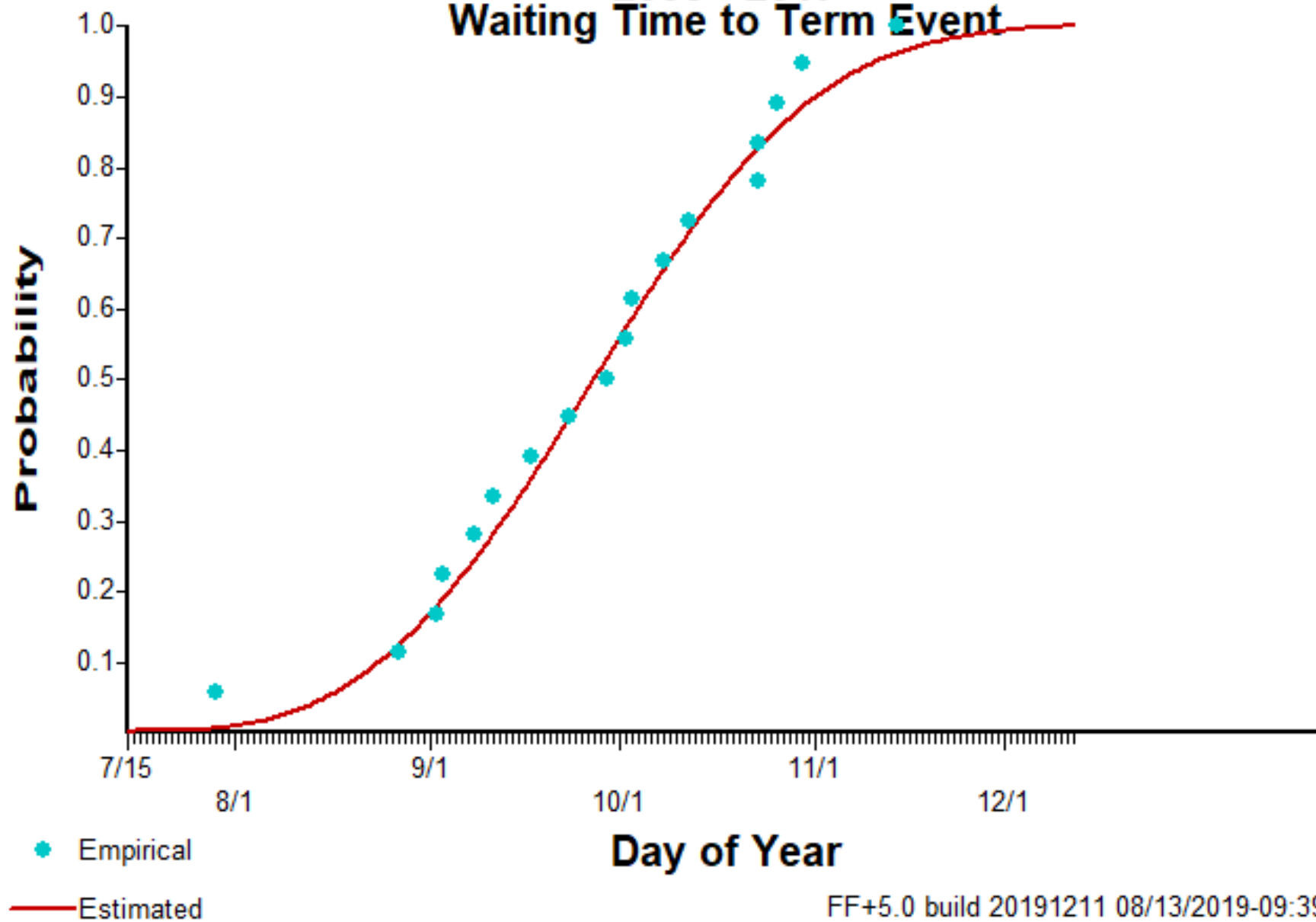
Key Probabilities

| Probability | Date |
|-------------|------|
|-------------|------|

| | |
|------|--------------|
| 0.25 | September 09 |
| 0.50 | September 27 |
| 0.75 | October 16 |
| 0.90 | November 02 |
| 0.99 | November 30 |

FF+5.0 build 20191211 08/13/2019-09:39

SIG - NR10
2000 - 2017
Waiting Time to Term Event



NR11y West Central Montana Season Ending Graph and Report

FireFamily Plus Term Report

Station: SIG - NR11

Term Name: NR11 Season Ending

Season Start Day: 7\15

Data Years: 2001 - 2017

Alpha: 3.415043

Beta: 0.013437

R-Squared: 0.970433

Comment:

Selected the date that the ERC reached the 60th percentile and did not recover

Term Dates

Year Day #Days Comment

| | | |
|------|-------|-----|
| 2001 | 10/ 2 | 79 |
| 2002 | 8/ 2 | 18 |
| 2003 | 10/ 8 | 85 |
| 2004 | 8/14 | 31 |
| 2005 | 9/14 | 61 |
| 2006 | 9/14 | 61 |
| 2007 | 9/17 | 64 |
| 2008 | 10/ 2 | 80 |
| 2009 | 9/29 | 76 |
| 2010 | 8/26 | 42 |
| 2011 | 10/ 5 | 82 |
| 2012 | 10/ 8 | 86 |
| 2013 | 9/14 | 61 |
| 2014 | 9/ 8 | 55 |
| 2015 | 10/15 | 92 |
| 2016 | 9/ 2 | 50 |
| 2017 | 10/23 | 100 |

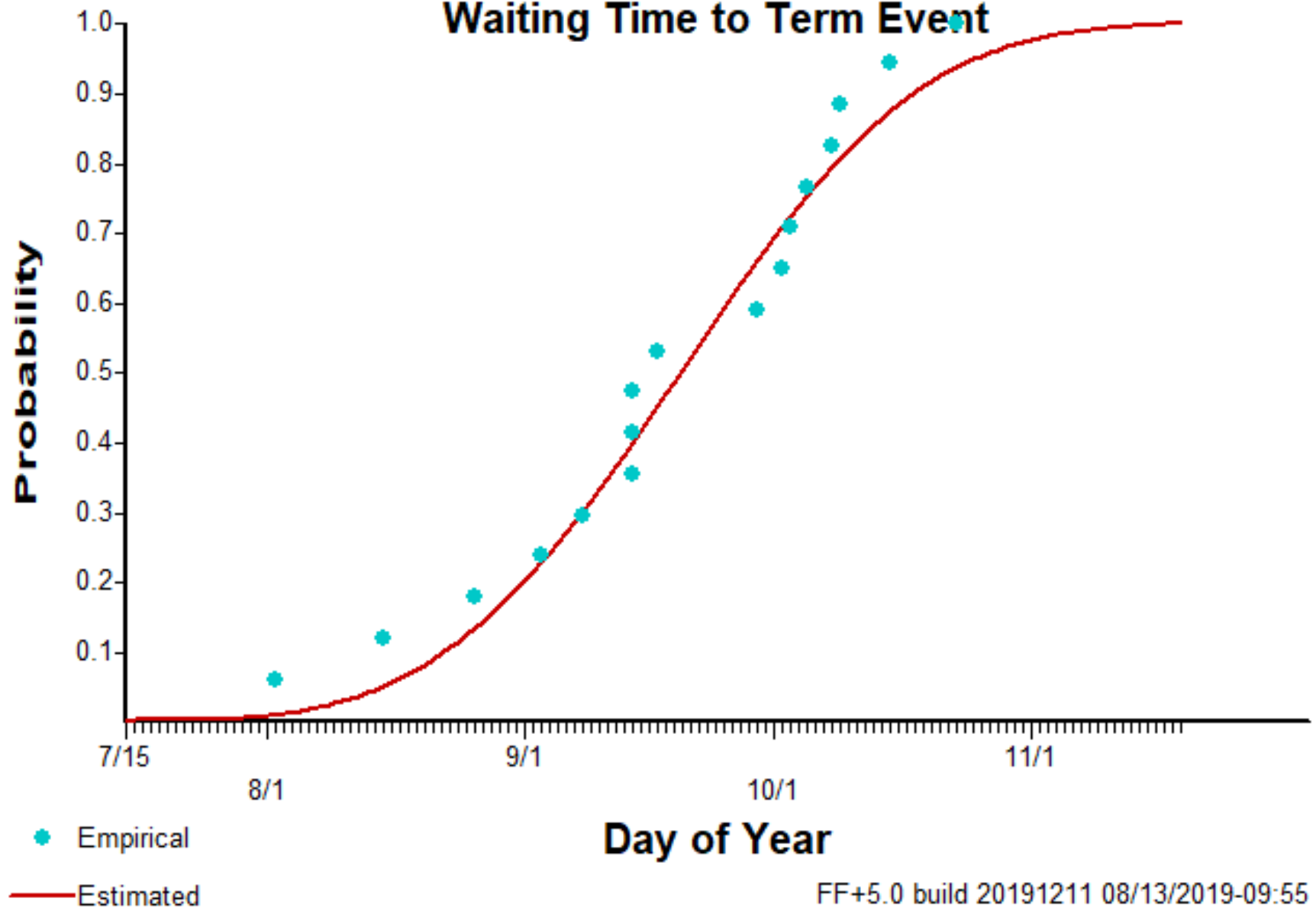
Key Probabilities

Probability Date

| | |
|-------------|---------------------|
| 0.25 | September 05 |
| 0.50 | September 20 |
| 0.75 | October 05 |
| 0.90 | October 19 |
| 0.99 | November 09 |

FF+5.0 build 20191211 08/13/2019-09:55

SIG - NR11
2001 - 2017
Waiting Time to Term Event



NR12y South Central Montana & Yellowstone NP Season Ending Graph and Report

FireFamily Plus Term Report

Station: SIG - NR12

Term Name: NR12 SeasonEnding

Season Start Day: 7\15

Data Years: 2001 - 2017

Alpha: 3.696294

Beta: 0.013766

R-Squared: 0.975820

Comment:

Data set 2001-2017 Selected the date that the ERC reached 60 percentile and did not recover

Term Dates

Year Day #Days Comment

| | | |
|------|-------|-----|
| 2001 | 10/ 2 | 79 |
| 2002 | 9/ 5 | 52 |
| 2003 | 10/23 | 100 |
| 2004 | 8/14 | 31 |
| 2005 | 9/ 8 | 55 |
| 2006 | 9/14 | 61 |
| 2007 | 9/17 | 64 |
| 2008 | 10/ 2 | 80 |
| 2009 | 9/29 | 76 |
| 2010 | 10/ 5 | 82 |
| 2011 | 10/ 2 | 79 |
| 2012 | 10/11 | 89 |
| 2013 | 9/ 2 | 49 |
| 2014 | 8/ 2 | 18 |
| 2015 | 9/29 | 76 |
| 2016 | 9/ 8 | 56 |
| 2017 | 9/11 | 58 |

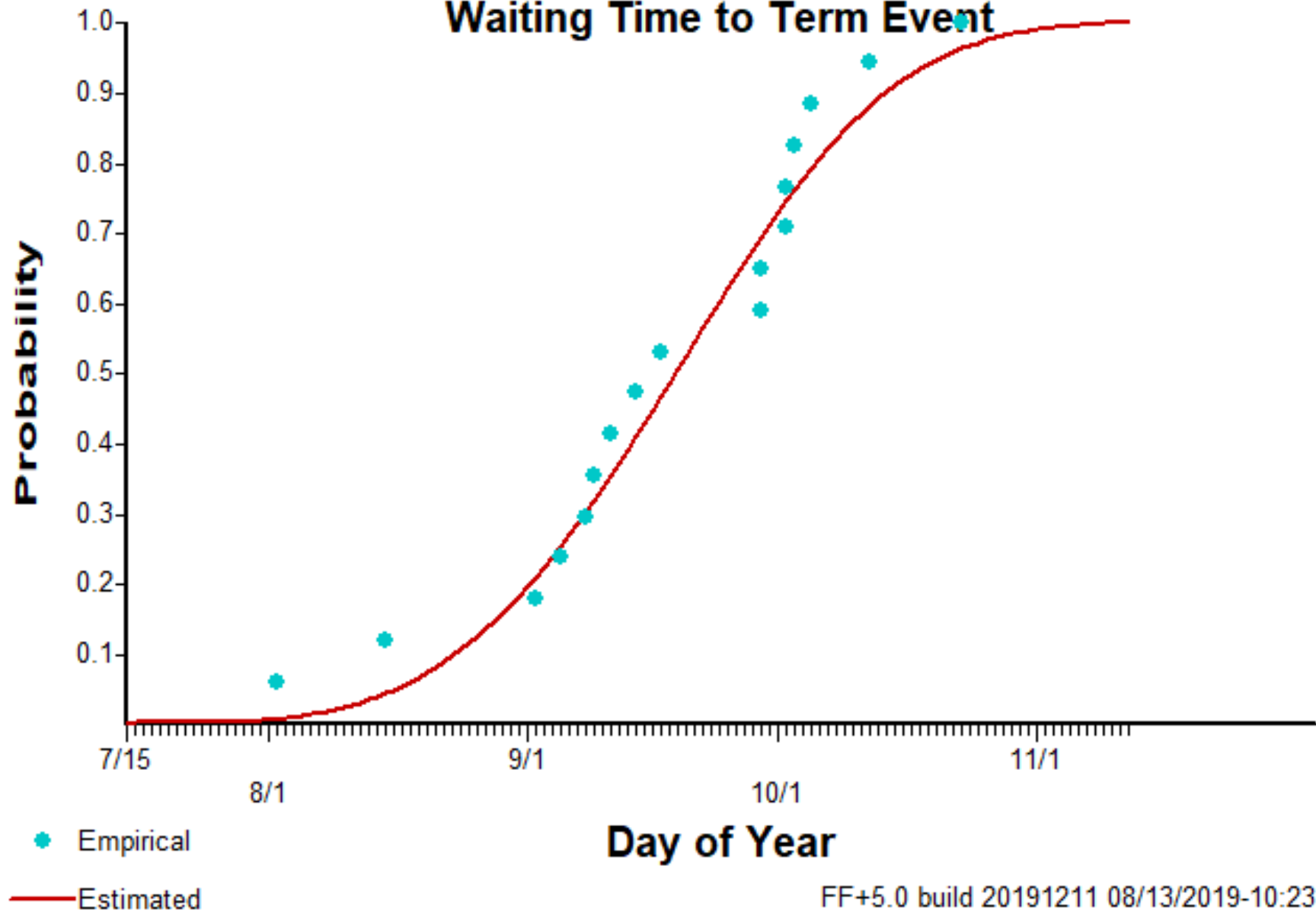
Key Probabilities

Probability Date

| | |
|------|--------------|
| 0.25 | September 05 |
| 0.50 | September 19 |
| 0.75 | October 03 |
| 0.90 | October 15 |
| 0.99 | November 02 |

FF+5.0 build 20191211 08/13/2019-10:23

SIG - NR12
2001 - 2017
Waiting Time to Term Event



NR13w Northern Plains & Missouri Breaks Season Ending Graph and Report

FireFamily Plus Term Report

Station: SIG - NR13
Term Name: NR13_SeasonEnding_G
Season Start Day: 10\1
Data Years: 2002 - 2017
Alpha: 3.805209
Beta: 0.018497
R-Squared: 0.934678

Comment:

For grass fuel types used a combination of BI 100 hr fuel moistures and last large fire over 5 acres
BI reached the 60th percentile (7) and did not recover for the year
Fuel Moistures reached the 60th percentile and did not recover
Last fire that reached 5 acres or more for the given year
Used the latest date

Term Dates

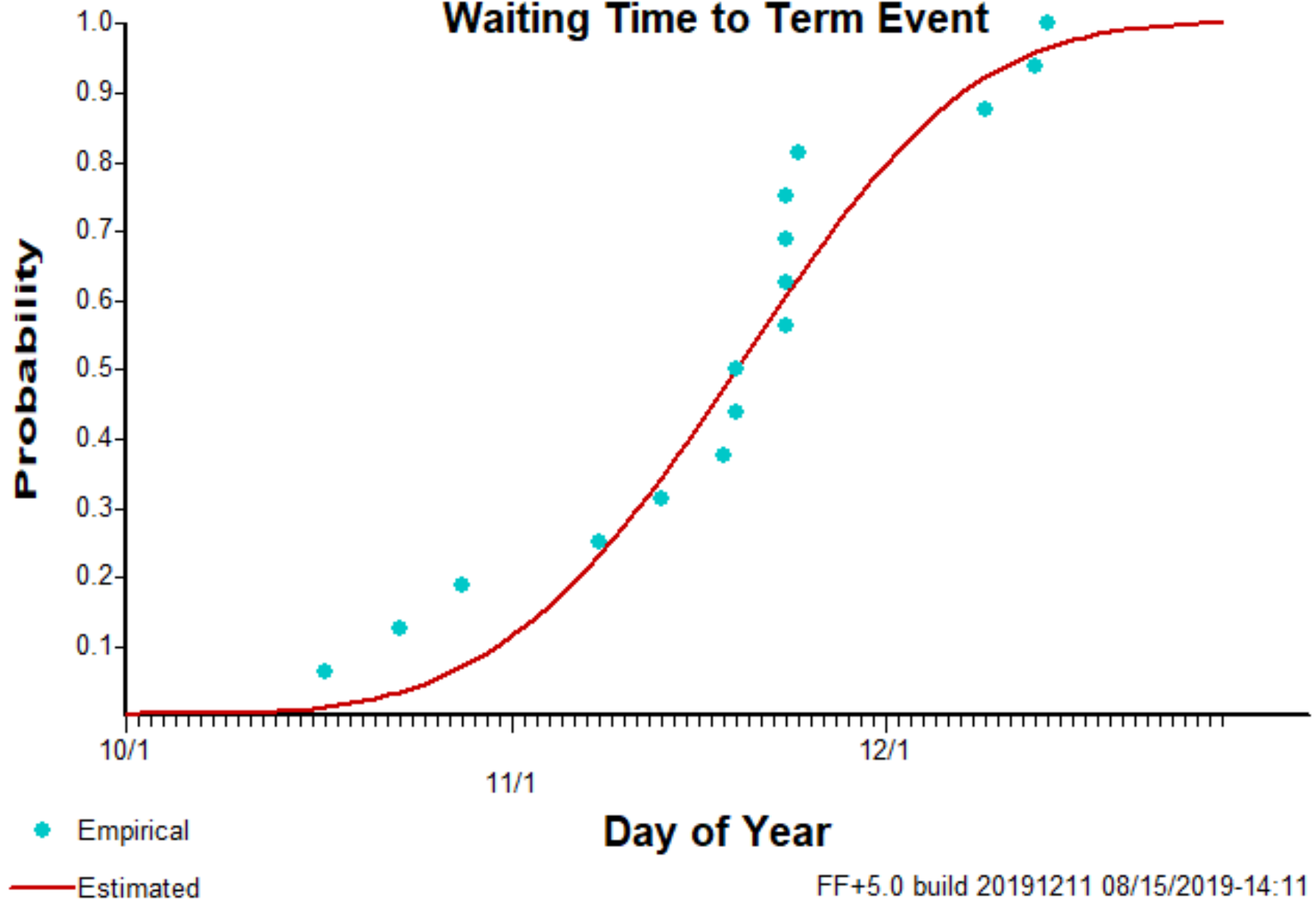
| Year | Day | #Days | Comment |
|------|-------|-------|------------------------|
| 2002 | 12/13 | 73 | 100 hr fuel above 60% |
| 2003 | 10/28 | 27 | 100 hr fuel above 60% |
| 2004 | 11/18 | 49 | BI below 60% |
| 2005 | 11/23 | 53 | Bi below 60% |
| 2006 | 11/23 | 53 | last fire over 5 acres |
| 2007 | 11/23 | 53 | 100 hr fuel above 60% |
| 2008 | 11/ 7 | 38 | BI below 60% |
| 2009 | 10/23 | 22 | 100 hr fuel above 60% |
| 2010 | 11/18 | 48 | 100 hr fuel above 60% |
| 2011 | 11/13 | 43 | BI below 60% |
| 2012 | 12/13 | 74 | 100 hr fuel above 60% |
| 2013 | 11/19 | 49 | Last fire over 5 acres |
| 2014 | 11/23 | 53 | Last fire over 5 acres |
| 2015 | 12/ 9 | 69 | BI below 60% |
| 2016 | 11/23 | 54 | BI below 60% |
| 2017 | 10/17 | 16 | Last fire over 5 acres |

Key Probabilities

| Probability | Date |
|-------------|-------------|
| 0.25 | November 09 |
| 0.50 | November 20 |
| 0.75 | November 29 |
| 0.90 | December 08 |
| 0.99 | December 21 |

FF+5.0 build 20191211 08/15/2019-14:11

SIG - NR13
2002 - 2017
Waiting Time to Term Event



NR13y Northern Plains & Missouri Breaks Season Ending Graph and Report

FireFamily Plus Term Report

Station: SIG - NR13
Term Name: NR13y_SeasonEnding
Season Start Day: 8\1
Data Years: 2000 - 2017
Alpha: 3.523538
Beta: 0.010704
R-Squared: 0.978104

Comment:

Season ending using the Y timber model. Date selected when the ERC hit the 60th percentile and did not recover.

Term Dates

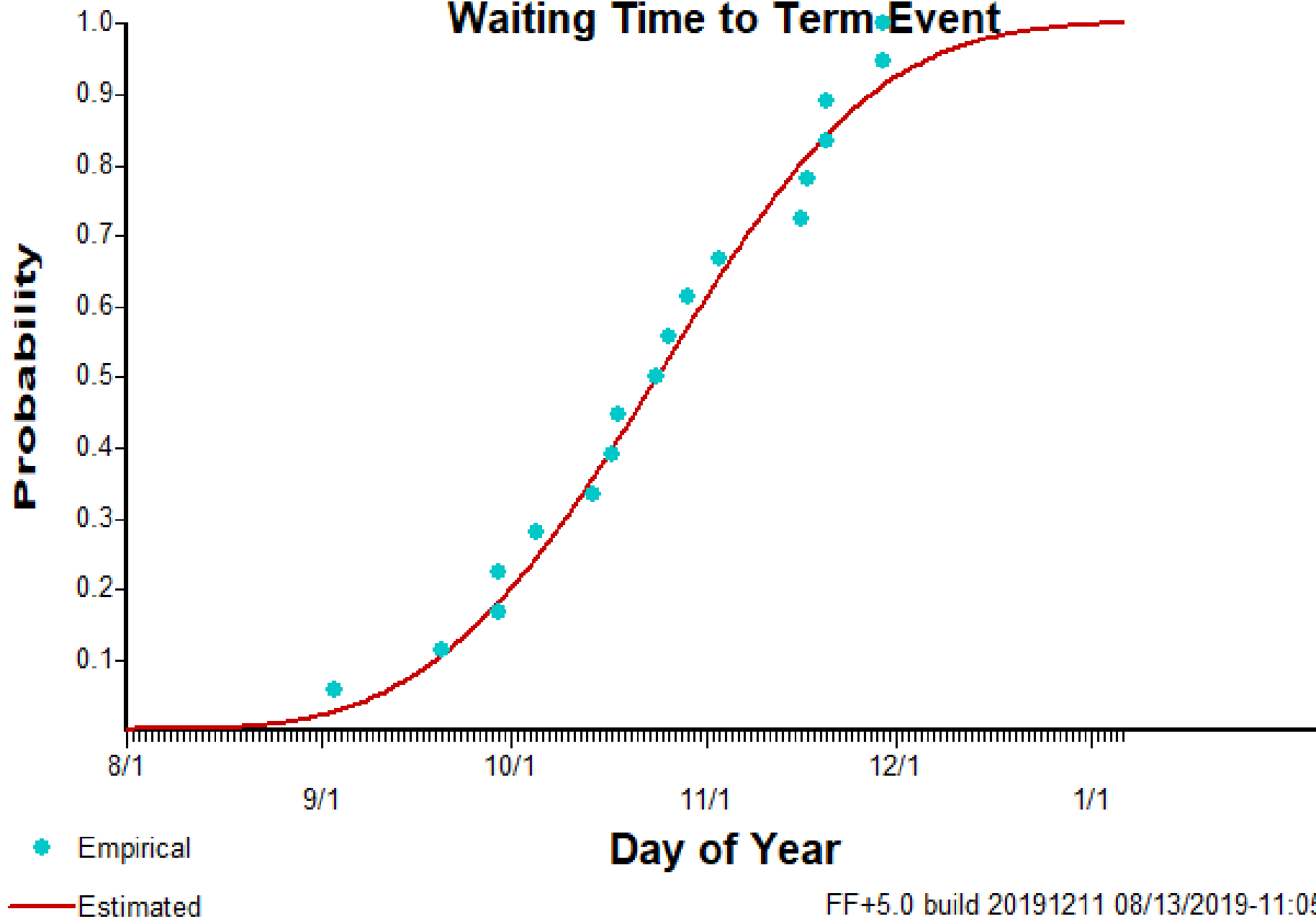
| Year | Day | #Days | Comment |
|------|-------|-------|---------|
| 2000 | 10/23 | 84 | |
| 2001 | 11/20 | 111 | |
| 2002 | 9/29 | 59 | |
| 2003 | 10/26 | 86 | |
| 2004 | 11/15 | 107 | |
| 2005 | 9/29 | 59 | |
| 2006 | 11/20 | 111 | |
| 2007 | 11/17 | 108 | |
| 2008 | 11/ 2 | 94 | |
| 2009 | 11/29 | 120 | |
| 2010 | 11/29 | 120 | |
| 2011 | 10/ 5 | 65 | |
| 2012 | 10/17 | 78 | |
| 2013 | 10/14 | 74 | |
| 2014 | 9/20 | 50 | |
| 2015 | 10/17 | 77 | |
| 2016 | 9/ 2 | 33 | |
| 2017 | 10/29 | 89 | |

Key Probabilities

| Probability | Date |
|-------------|--------------------|
| 0.25 | October 06 |
| 0.50 | October 25 |
| 0.75 | November 12 |
| 0.90 | November 28 |
| 0.99 | December 24 |

FF+5.0 build 20191211 08/13/2019-11:05

SIG - NR13
2000 - 2017
Waiting Time to Term Event



NR14w Southern Montana (Big Horn/Powder River)

Season Ending Graph and Report

Station: SIG - NR14

Term Name: NR14w_SeasonEnding

Season Start Day: 10\1

Data Years: 2001 - 2017

Alpha: 3.592761

Beta: 0.019225

R-Squared: 0.971726

Comment:

Fuel Model w used a combination of BI, 100 hr fuel moistures and last large fire

BI reached the 60% (24) and did not recover

100 Hr fuel moisture 60% (18) and did not drop below

Last larger fire over 5 acres in size

Term Dates

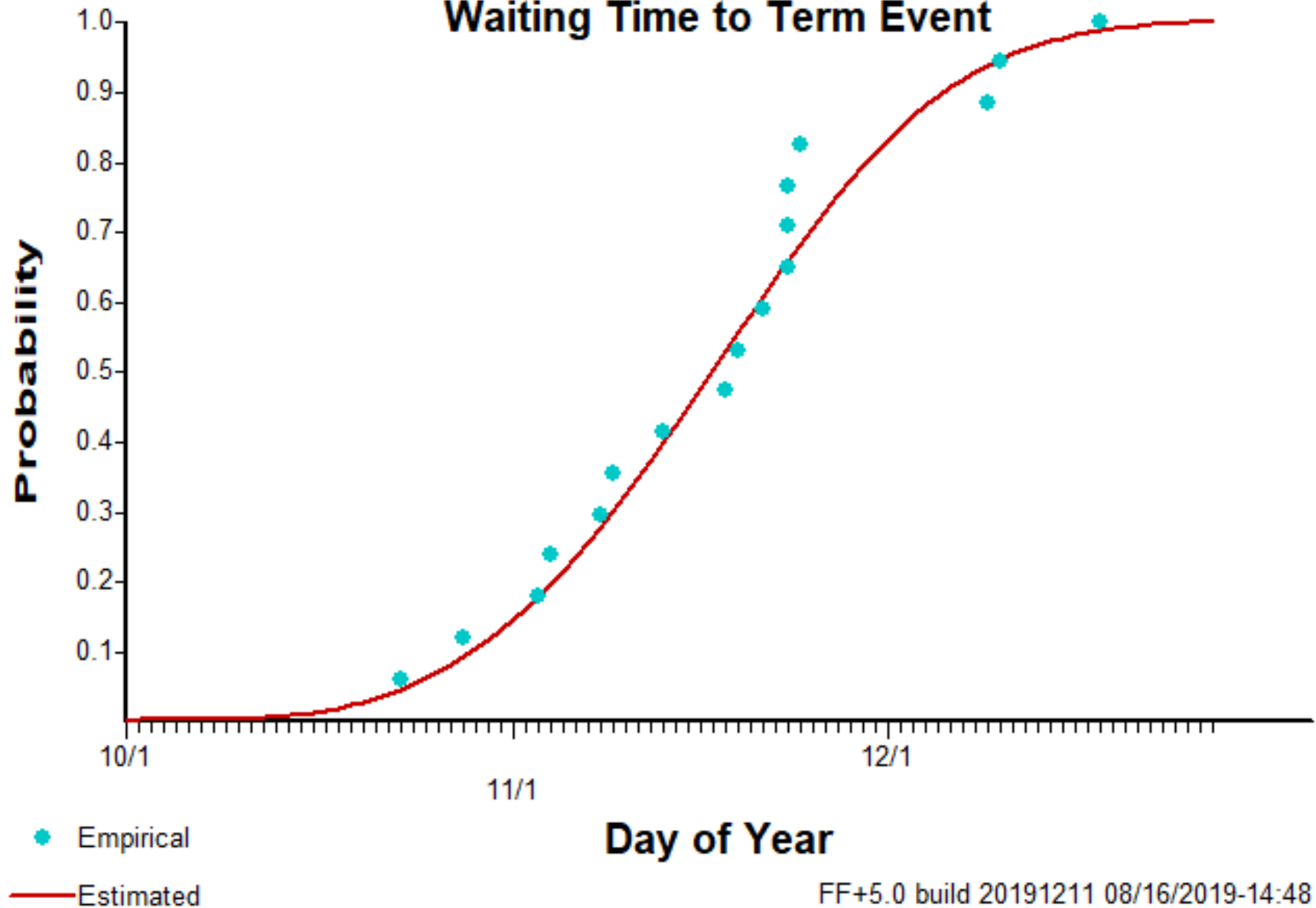
| Year | Day | #Days | Comment |
|------|-------|-------|------------------------------|
| 2001 | 12/18 | 78 | Last large fire |
| 2002 | 10/23 | 22 | 100 hr fuel moistures used |
| 2003 | 10/28 | 27 | 100 hour fuel moistures used |
| 2004 | 11/23 | 54 | 100 hour fuel moistures used |
| 2005 | 11/ 8 | 38 | 100 hour fuel moistures used |
| 2006 | 11/21 | 51 | Last large fire |
| 2007 | 11/23 | 53 | 100 hour fuel moistures used |
| 2008 | 11/ 3 | 34 | 100 hour fuel moistures used |
| 2009 | 11/23 | 53 | 100 hour fuel moistures used |
| 2010 | 11/13 | 43 | 100 hour fuel moistures used |
| 2011 | 11/ 3 | 33 | 100 hour fuel moistures used |
| 2012 | 11/ 8 | 39 | 100 hour fuel moistures used |
| 2013 | 11/18 | 48 | 100 hour fuel moistures used |
| 2014 | 11/23 | 53 | Last large fire |
| 2015 | 12/ 9 | 69 | Last large fire |
| 2016 | 11/18 | 49 | 100 hour fuel moistures used |
| 2017 | 12/10 | 70 | Last large fire |

Key Probabilities

| Probability | Date |
|-------------|--------------------|
| 0.25 | November 07 |
| 0.50 | November 17 |
| 0.75 | November 27 |
| 0.90 | December 06 |
| 0.99 | December 20 |

FF+5.0 build 20191211 08/16/2019-14:48

SIG - NR14
2001 - 2017
Waiting Time to Term Event



NR14y Southern Montana (Big Horn/Powder River)

Season Ending Graph and Report

FireFamily Plus Term Report

Station: SIG - NR14

Term Name: NR14y Season Ending

Season Start Day: 8\1

Data Years: 2000 - 2016

Alpha: 3.617712

Beta: 0.011980

R-Squared: 0.984254

Comment:

Term Dates

Year Day #Days Comment

| | | |
|------|-------|-----|
| 2000 | 9/29 | 60 |
| 2001 | 11/17 | 108 |
| 2002 | 9/17 | 47 |
| 2003 | 10/26 | 86 |
| 2004 | 10/11 | 72 |
| 2005 | 10/26 | 86 |
| 2006 | 9/14 | 44 |
| 2007 | 11/17 | 108 |
| 2008 | 10/ 5 | 66 |
| 2009 | 10/ 2 | 62 |
| 2010 | 11/ 5 | 96 |
| 2011 | 10/ 5 | 65 |
| 2012 | 10/14 | 75 |
| 2013 | 9/23 | 53 |
| 2014 | 11/ 8 | 99 |
| 2015 | 10/17 | 77 |
| 2016 | 11/14 | 106 |

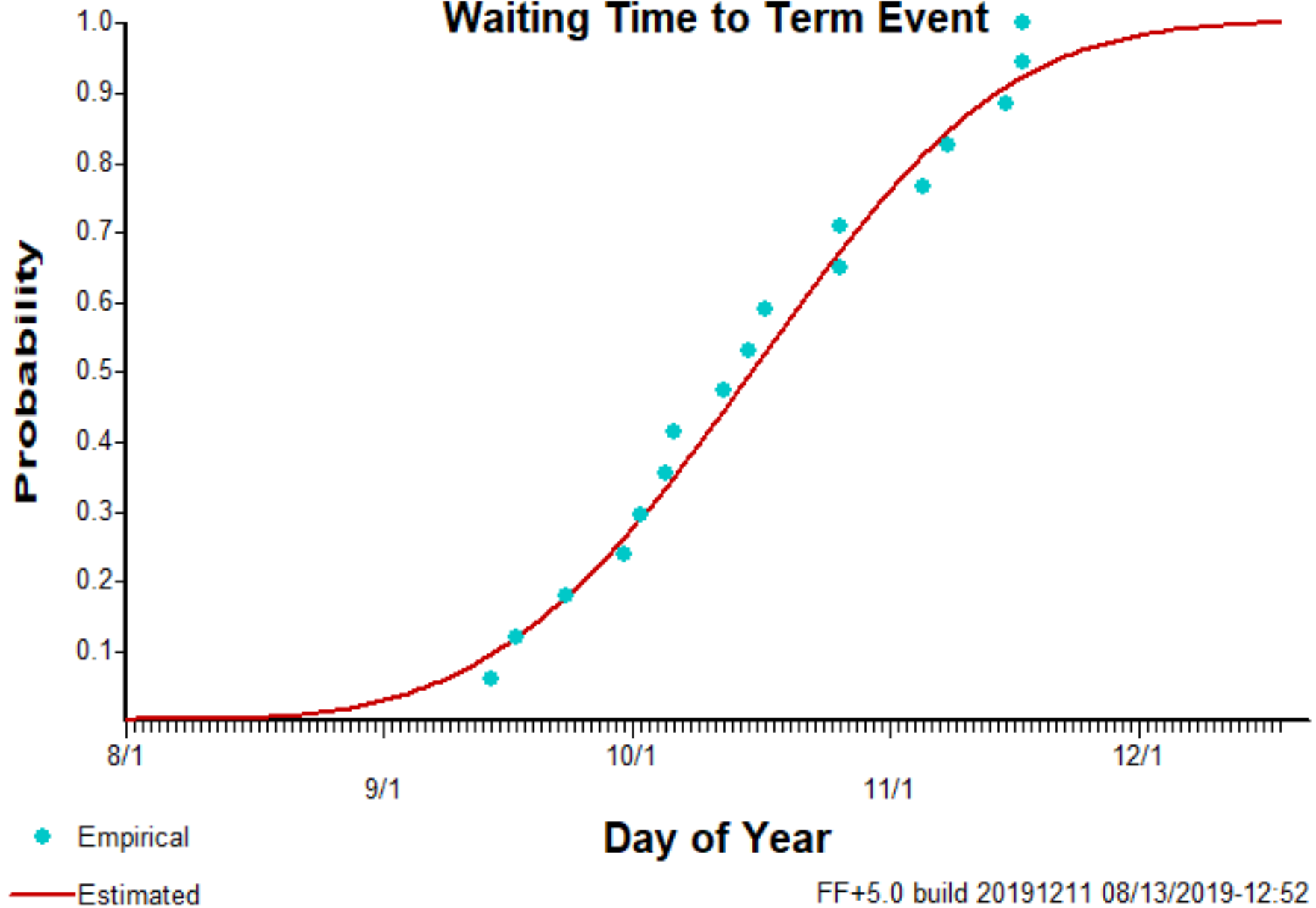
Key Probabilities

Probability Date

| | |
|------|--------------|
| 0.25 | September 30 |
| 0.50 | October 16 |
| 0.75 | November 01 |
| 0.90 | November 15 |
| 0.99 | December 07 |

FF+5.0 build 20191211 08/13/2019-12:52

SIG - NR14
2000 - 2016
Waiting Time to Term Event



NR15w Northeast Montana & Northwest North Dakota Season Ending Graph and Report

FireFamily Plus Term Report

Station: SIG - NR15

Term Name: NR15 Season Ending

Season Start Day: 10\1

Data Years: 2001 - 2017

Alpha: 3.238808

Beta: 0.016611

R-Squared: 0.964620

Comment:

Fuel model W was used for season ending a combination of 100 hr fuel moistures and last large fire.

BI so low that it was not used.

100 hr fuel moisture reached the 60th percentile and did not decline for the given year

Last large fire over 5 acres

Term Dates

| Year | Day | #Days | Comment |
|------|-------|-------|---------------------------|
| 2001 | 12/18 | 78 | Last large fire |
| 2002 | 12/ 1 | 61 | Last large fire |
| 2003 | 10/28 | 27 | 100 hr fuel moisture used |
| 2004 | 12/19 | 80 | Last large fire |
| 2005 | 11/23 | 53 | 100 hr fuel moisture used |
| 2006 | 11/28 | 58 | 100 hr fuel moisture used |
| 2007 | 11/23 | 53 | 100 hr fuel moisture used |
| 2008 | 11/ 8 | 39 | 100 hr fuel moisture used |
| 2009 | 12/ 2 | 62 | 100 hr fuel moisture used |
| 2010 | 11/ 8 | 38 | 100 hr fuel moisture used |
| 2011 | 11/29 | 59 | Last large fire |
| 2012 | 10/23 | 23 | 100 hr fuel moisture used |
| 2013 | 11/18 | 48 | 100 hr fuel moisture used |
| 2014 | 12/18 | 78 | Last large fire |
| 2015 | 12/ 8 | 68 | Last large fire |
| 2016 | 11/28 | 59 | Last large fire |
| 2017 | 10/17 | 16 | Last large fire |

Key Probabilities

Probability Date

0.25 November 11

0.50 November 24

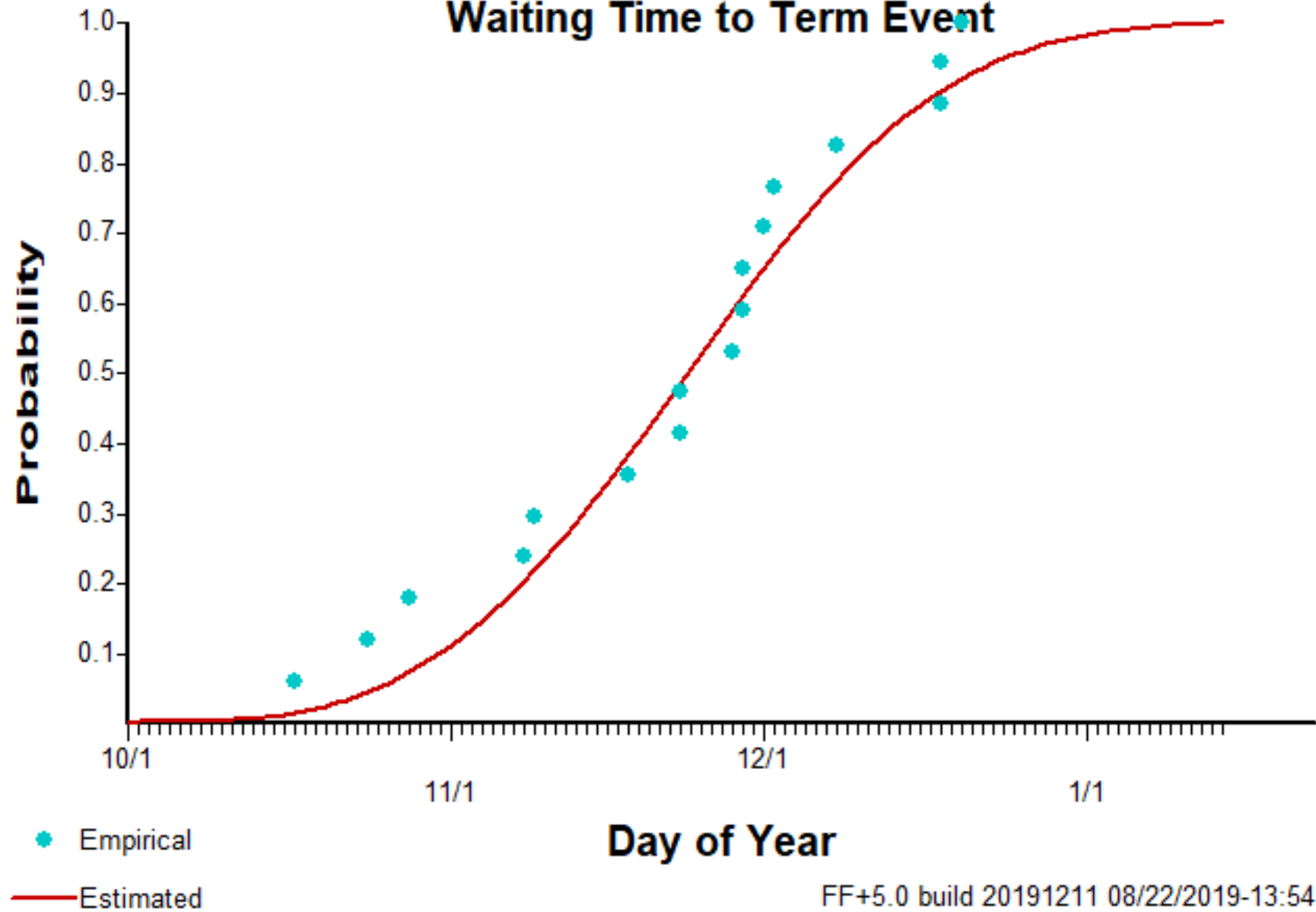
0.75 December 07

0.90 December 18

0.99 January 06

FF+5.0 build 20191211 08/22/2019-13:54

SIG - NR15
2001 - 2017
Waiting Time to Term Event



NR15y Northeast Montana & Northwest North Dakota Season Ending Graph and Report

FireFamily Plus Term Report

Station: SIG - NR15

Term Name: NR15y Season Ending

Season Start Day: 9\1

Data Years: 2001 - 2017

Alpha: 3.122353

Beta: 0.014379

R-Squared: 0.985557

Comment:

Fuel model y timber used for season ending. Date the ERC reached the 60th percentile and did not recover

Term Dates

| Year | Day | #Days | Comment |
|------|-----|-------|---------|
|------|-----|-------|---------|

| | | | |
|------|-------|----|--|
| 2001 | 11/29 | 89 | |
|------|-------|----|--|

| | | | |
|------|-------|----|--|
| 2002 | 10/11 | 40 | |
|------|-------|----|--|

| | | | |
|------|-------|----|--|
| 2003 | 10/26 | 55 | |
|------|-------|----|--|

| | | | |
|------|-------|----|--|
| 2004 | 11/20 | 81 | |
|------|-------|----|--|

| | | | |
|------|-------|----|--|
| 2005 | 11/ 2 | 62 | |
|------|-------|----|--|

| | | | |
|------|------|----|--|
| 2006 | 9/14 | 13 | |
|------|------|----|--|

| | | | |
|------|-------|----|--|
| 2007 | 11/17 | 77 | |
|------|-------|----|--|

| | | | |
|------|-------|----|--|
| 2008 | 11/ 2 | 63 | |
|------|-------|----|--|

| | | | |
|------|-------|----|--|
| 2009 | 11/23 | 83 | |
|------|-------|----|--|

| | | | |
|------|-------|----|--|
| 2010 | 10/23 | 52 | |
|------|-------|----|--|

| | | | |
|------|-------|----|--|
| 2011 | 11/ 5 | 65 | |
|------|-------|----|--|

| | | | |
|------|-------|----|--|
| 2012 | 10/20 | 50 | |
|------|-------|----|--|

| | | | |
|------|-------|----|--|
| 2013 | 10/ 8 | 37 | |
|------|-------|----|--|

| | | | |
|------|-------|----|--|
| 2014 | 11/ 2 | 62 | |
|------|-------|----|--|

| | | | |
|------|-------|----|--|
| 2015 | 10/17 | 46 | |
|------|-------|----|--|

| | | | |
|------|-------|----|--|
| 2016 | 11/26 | 87 | |
|------|-------|----|--|

| | | | |
|------|-------|-----|--|
| 2017 | 12/26 | 116 | |
|------|-------|-----|--|

Key Probabilities

| Probability | Date |
|-------------|------|
|-------------|------|

| | |
|------|------------|
| 0.25 | October 18 |
|------|------------|

| | |
|------|-------------|
| 0.50 | November 02 |
|------|-------------|

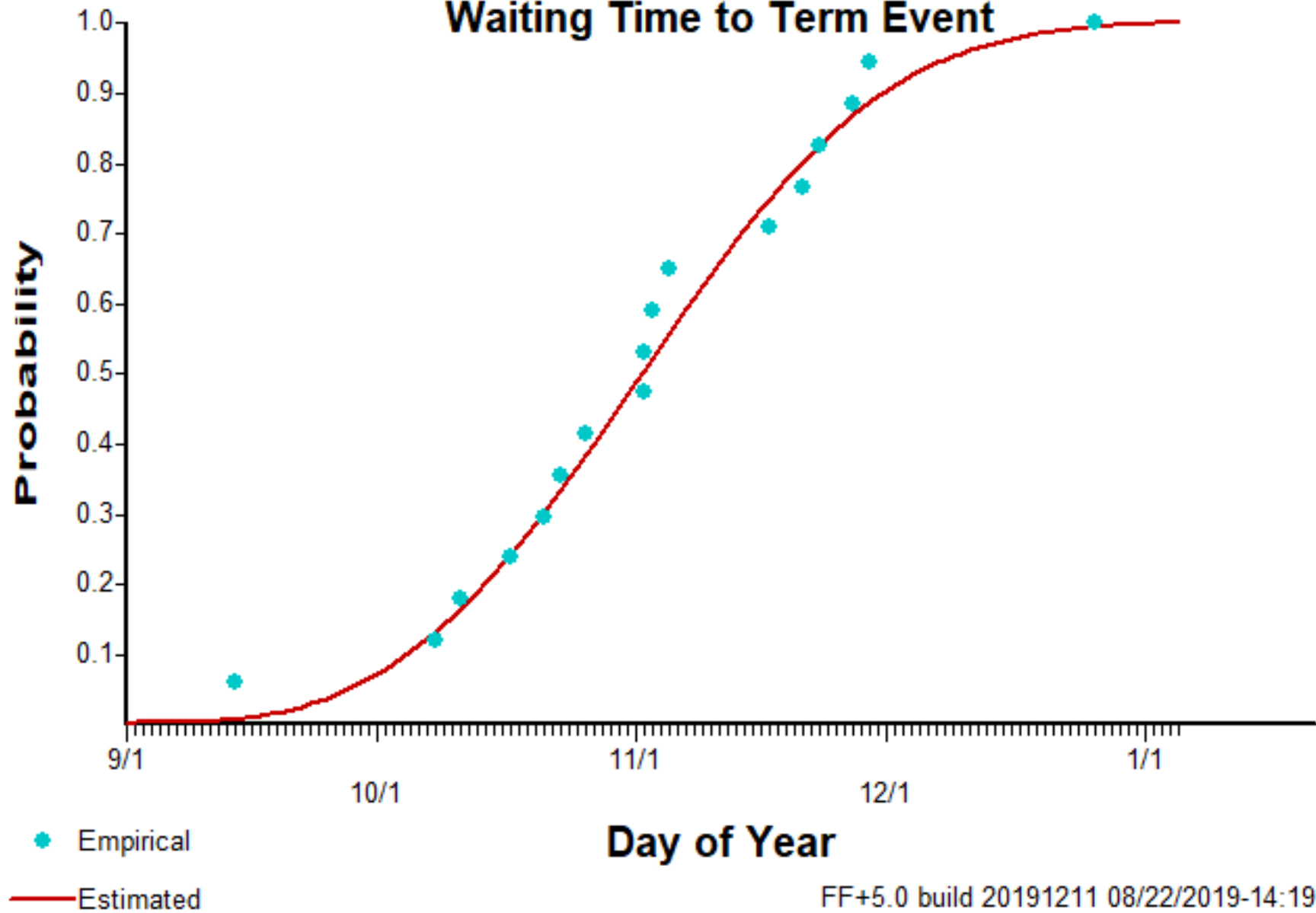
| | |
|------|-------------|
| 0.75 | November 18 |
|------|-------------|

| | |
|------|-------------|
| 0.90 | December 01 |
|------|-------------|

| | |
|------|-------------|
| 0.99 | December 24 |
|------|-------------|

FF+5.0 build 20191211 08/22/2019-14:19

SIG - NR15
2001 - 2017
Waiting Time to Term Event



NR16w Southeast Montana & Southwest North Dakota Season Ending Graph and Report

FireFamily Plus Term Report

Station: SIG - NR16

Term Name: NR16w Season Ending

Season Start Day: 10\1

Data Years: 2001 - 2017

Alpha: 5.325409

Beta: 0.016880

R-Squared: 0.964455

Comment:

Fuel Model W was used for the term file for a season ending for the FSA. A combination of 100 hr fuel moistures, BI and last large fire selecting the last date in the year that one of the indices was met or the last larger fire.

100 hr fuel moisture reached the 60% (17) and did not decline

BI reached the 60% and did not recover

Last large fire over 5 acres

Term Dates

| Year | Day | #Days | Comment |
|------|-------|-------|----------------------------------|
| 2001 | 11/23 | 53 | 100 hr fuel moisture used |
| 2002 | 12/13 | 73 | BI used |
| 2003 | 10/28 | 27 | BI and 100 hr fuel moisture used |
| 2004 | 11/23 | 54 | BI and 100 hr fuel moisture used |
| 2005 | 11/23 | 53 | BI used |
| 2006 | 11/28 | 58 | 100 hr fuel moisture used |
| 2007 | 11/22 | 52 | 100 hour fuel moisture used |
| 2008 | 11/ 3 | 34 | BI and 100 hr fuel moisture used |
| 2009 | 12/ 3 | 63 | 100 hr fuel moisture used |
| 2010 | 11/ 8 | 38 | BI used |
| 2011 | 11/29 | 59 | Last large fire |
| 2012 | 12/ 3 | 64 | BI used |
| 2013 | 11/15 | 45 | Last large fire |
| 2014 | 11/23 | 53 | Last large fire |
| 2015 | 12/ 8 | 68 | BI used |
| 2016 | 11/23 | 54 | BI used |
| 2017 | 12/13 | 73 | BI used |

Key Probabilities

| Probability | Date |
|-------------|------|
|-------------|------|

| | |
|------|-------------|
| 0.25 | November 17 |
|------|-------------|

| | |
|------|-------------|
| 0.50 | November 26 |
|------|-------------|

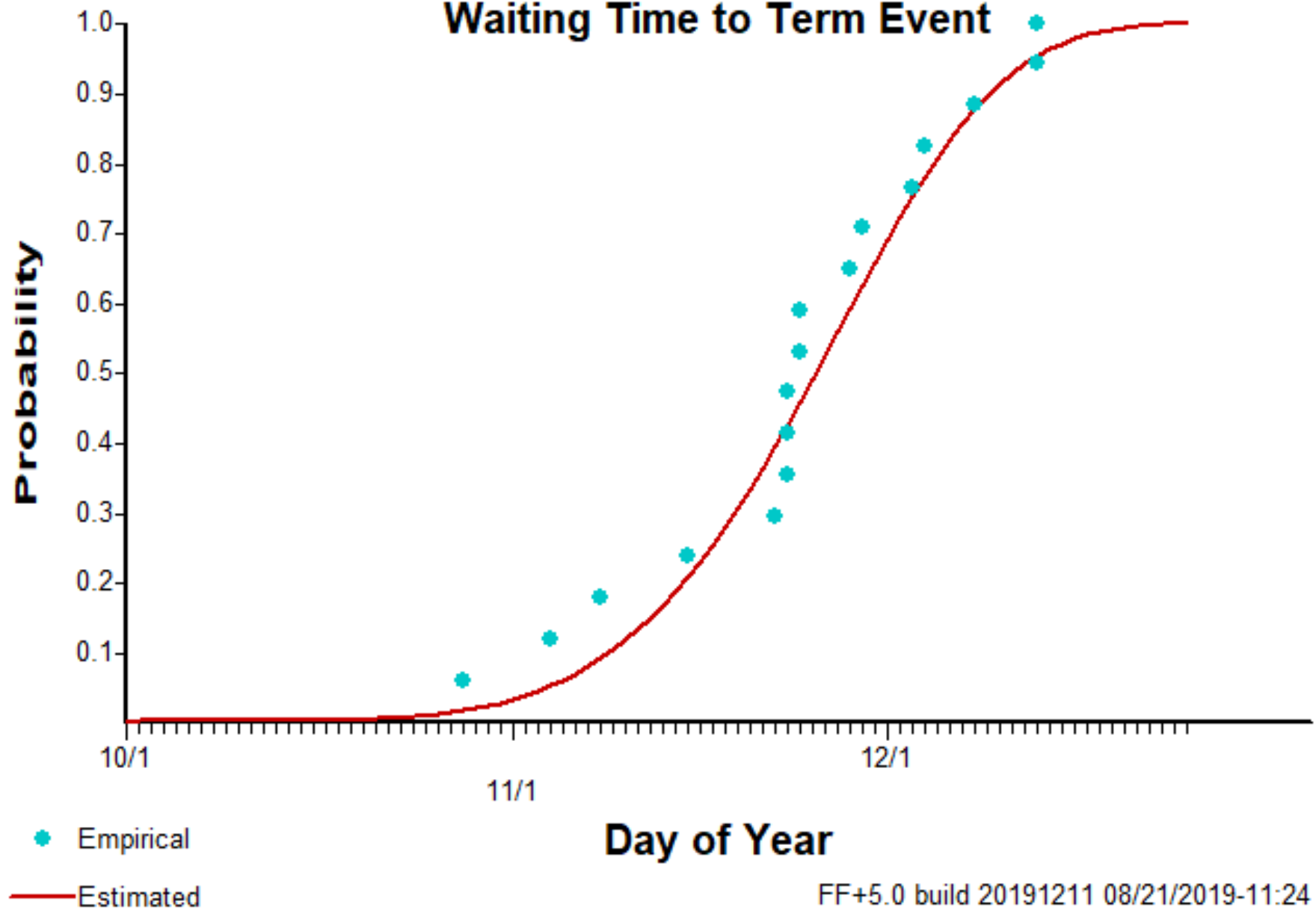
| | |
|------|-------------|
| 0.75 | December 03 |
|------|-------------|

| | |
|------|-------------|
| 0.90 | December 10 |
|------|-------------|

| | |
|------|-------------|
| 0.99 | December 19 |
|------|-------------|

FF+5.0 build 20191211 08/21/2019-11:24

SIG - NR16
2001 - 2017
Waiting Time to Term Event



NR16y Southeast Montana & Southwest North Dakota Season Ending Graph and Report

FireFamily Plus Term Report

Station: SIG - NR16

Term Name: NR16y Season Ending

Season Start Day: 8\1

Data Years: 2005 - 2016

Alpha: 5.746452

Beta: 0.009100

R-Squared: 0.967577

Comment:

Timber Fuel Model Y Date used when the ERC reached the 60th percentile and did not recover.

Term Dates

Year Day #Days Comment

| | | | |
|------|-------|-----|--|
| 2005 | 11/ 8 | 99 | |
| 2006 | 11/26 | 117 | |
| 2007 | 11/20 | 111 | |
| 2008 | 11/ 2 | 94 | |
| 2009 | 11/29 | 120 | |
| 2010 | 11/ 5 | 96 | |
| 2011 | 11/11 | 102 | |
| 2012 | 10/20 | 81 | |
| 2013 | 9/ 5 | 35 | |
| 2014 | 11/ 5 | 96 | |
| 2015 | 12/11 | 132 | |
| 2016 | 12/20 | 142 | |

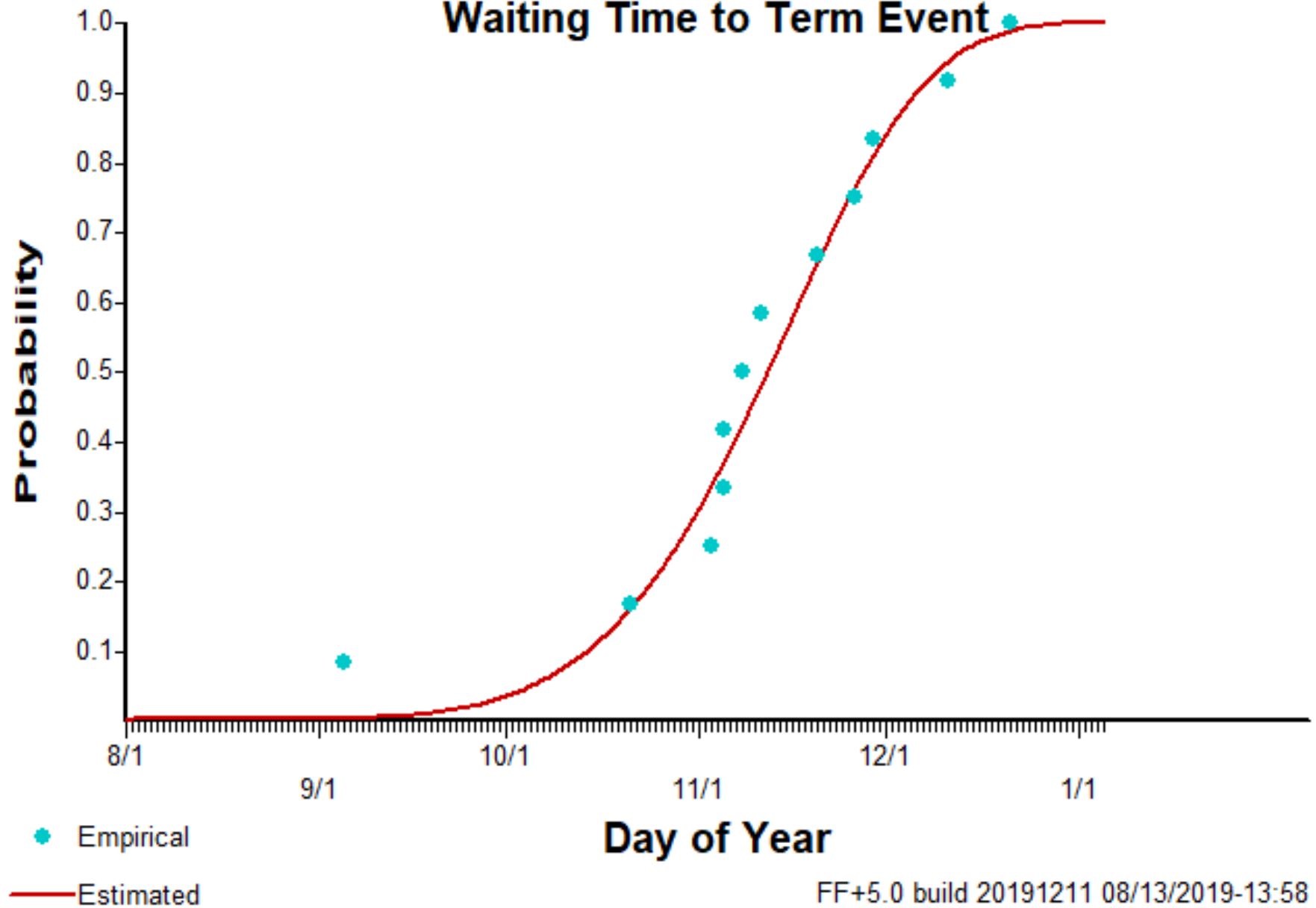
Key Probabilities

Probability Date

| | |
|-------------|--------------------|
| 0.25 | October 29 |
| 0.50 | November 13 |
| 0.75 | November 26 |
| 0.90 | December 07 |
| 0.99 | December 23 |

FF+5.0 build 20191211 08/13/2019-13:58

SIG - NR16
2005 - 2016
Waiting Time to Term Event



NR17w Northeastern North Dakota Season Ending Graph and Report

FireFamily Plus Term Report

Station: SIG - NR17

Term Name: NR17w Season Ending

Season Start Day: 10\15

Data Years: 2002 - 2017

Alpha: 3.069443

Beta: 0.022190

R-Squared: 0.964332

Comment:

Fuel Model W was used for season ending. A combination of 100 hr fuel moistures, BI and last larger fire was used

100 Hr fuel moisture reached 60% and did not decline

BI reached the 60% and did not recover

Last large fire over 5 acres.

Term Dates

| Year | Day | #Days | Comment |
|------|-------|-------|--------------------------------|
| 2002 | 12/16 | 62 | Last large fire |
| 2003 | 10/28 | 13 | 100 hr fuel moisture was used |
| 2004 | 11/28 | 45 | 100 hr fuel moisture was used |
| 2005 | 11/18 | 34 | BI was used |
| 2006 | 11/28 | 44 | 100 hr and BI was used |
| 2007 | 11/23 | 39 | 100 hr fuel moisture was used |
| 2008 | 11/28 | 45 | 100 hr fuel moisture was used |
| 2009 | 11/28 | 44 | 100 hr fuel moisturer was used |
| 2010 | 11/ 7 | 23 | Last large fire |
| 2011 | 12/13 | 59 | 100 hr fuel moisture was used |
| 2012 | 11/ 1 | 18 | Last large fire |
| 2013 | 11/18 | 34 | 100 hr fuel moisture was used |
| 2014 | 11/ 8 | 24 | 100 hr fuel moisture was used |
| 2015 | 12/ 8 | 54 | Last large fire |
| 2016 | 11/28 | 45 | 100 hr fuel moisture was used |
| 2017 | 12/ 3 | 49 | BI was used |

Key Probabilities

Probability Date

0.25 November 15

0.50 November 24

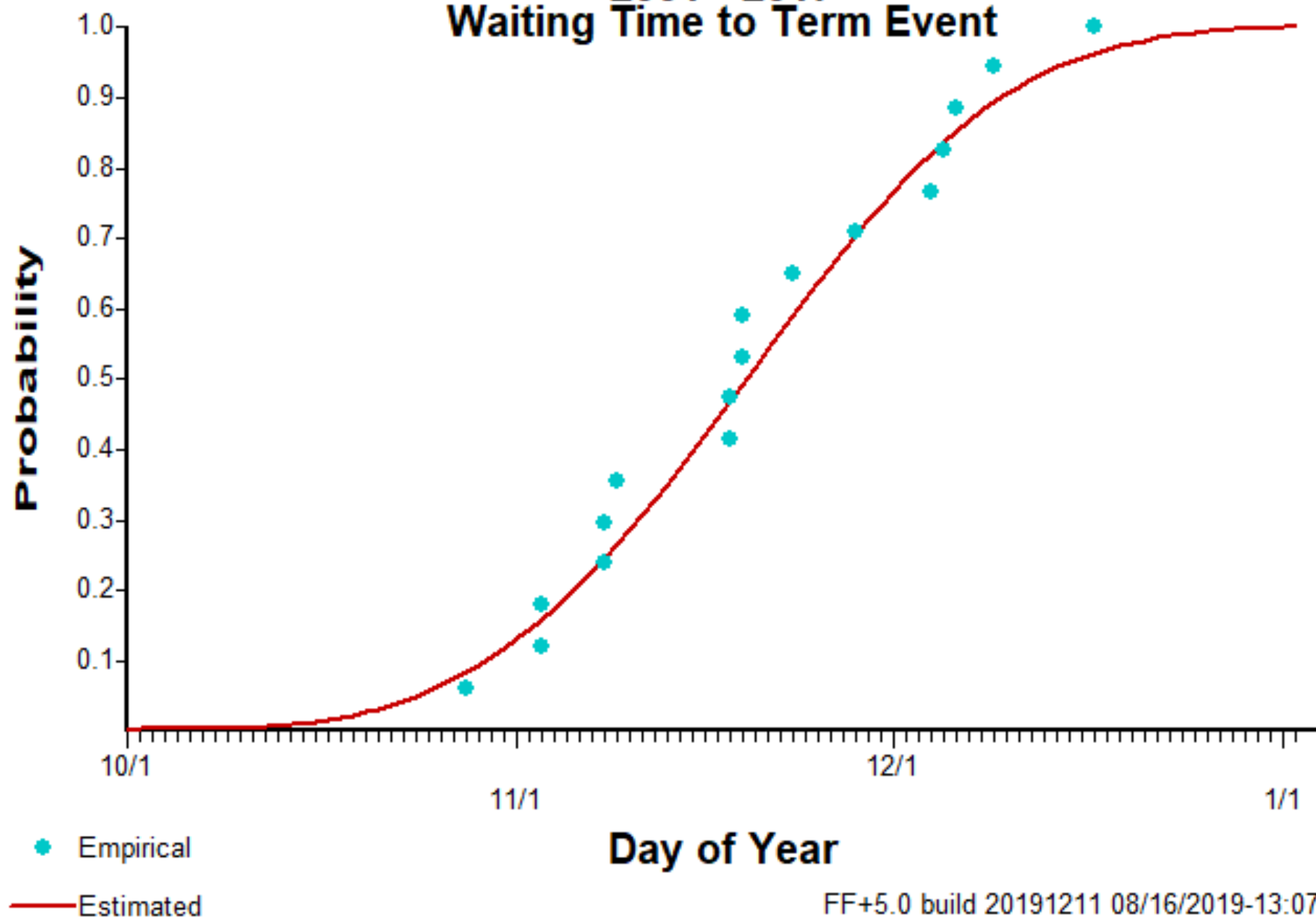
0.75 December 05

0.90 December 14

0.99 December 29

FF+5.0 build 20191211 08/21/2019-14:04

SIG - NR11
2001 - 2017
Waiting Time to Term Event



NR17y Northeastern North Dakota Season Ending Graph and Report

FireFamily Plus Term Report

Station: SIG - NR17

Term Name: NR17y Seasonal Ending

Season Start Day: 10\1

Data Years: 2001 - 2017

Alpha: 2.346452

Beta: 0.023945

R-Squared: 0.981467

Comment:

Fuel model y Timber was used for season ending used a 3 day when the ERCs reached the 60th percentile and did not recover for the given year.

Term Dates

Year Day #Days Comment

| | | | |
|------|-------|----|------------------------|
| 2001 | 10/20 | 19 | Last day data for year |
| 2002 | 10/14 | 13 | |
| 2003 | 10/29 | 28 | |
| 2004 | 11/23 | 54 | |
| 2005 | 11/11 | 41 | |
| 2006 | 11/11 | 41 | |
| 2007 | 11/20 | 50 | |
| 2008 | 11/ 2 | 33 | |
| 2009 | 11/26 | 56 | |
| 2010 | 10/23 | 22 | |
| 2011 | 11/14 | 44 | |
| 2012 | 10/17 | 17 | |
| 2013 | 11/11 | 41 | |
| 2014 | 11/ 5 | 35 | |
| 2015 | 10/20 | 19 | |
| 2016 | 11/14 | 45 | |
| 2017 | 12/26 | 86 | |

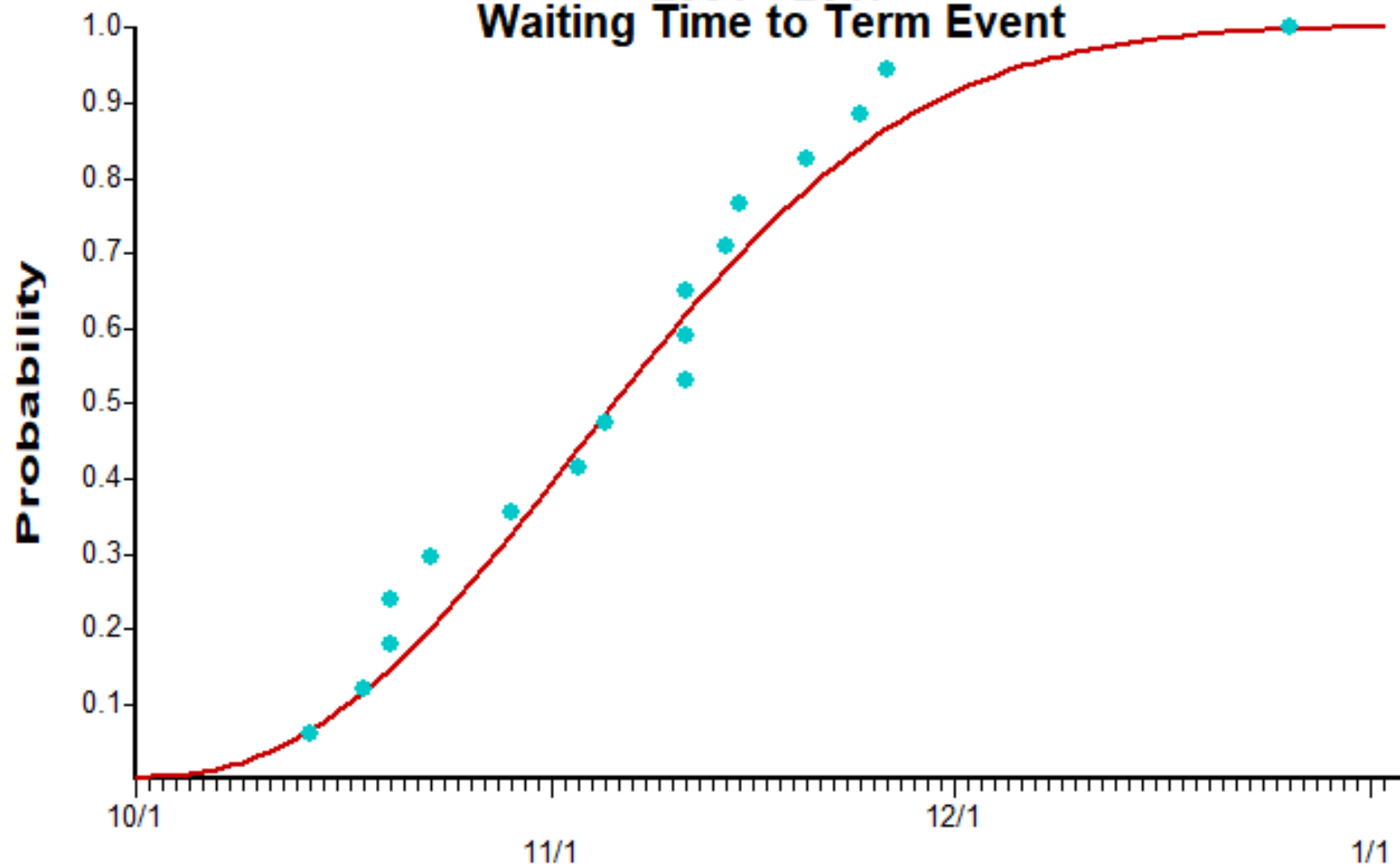
Key Probabilities

Probability Date

| | |
|-------------|--------------------|
| 0.25 | October 26 |
| 0.50 | November 06 |
| 0.75 | November 18 |
| 0.90 | November 30 |
| 0.99 | December 21 |

FF+5.0 build 20191211 08/22/2019-10:36

SIG - NR17
2001 - 2017
Waiting Time to Term Event



● Empirical

— Estimated

FF+5.0 build 20191211 08/22/2019-10:36

NR18w Southeastern North Dakota Season Ending Graph and Report

FireFamily Plus Term Report

Station: SIG - NR18
Term Name: NR18w Season Ending
Season Start Day: 10\1
Data Years: 2001 - 2017
Alpha: 5.633618
Beta: 0.016643
R-Squared: 0.922539

Comment:

Used fuel model w for the Season Ending 5 day average with a combination of 100 hr fuel moisture, BI, and last large fire for a given year
100 hr fuel moisture when it reached the 60% and did not drop below for the remainder of the year.
BI 60th and it did not recover
Last large fire over 5 acres

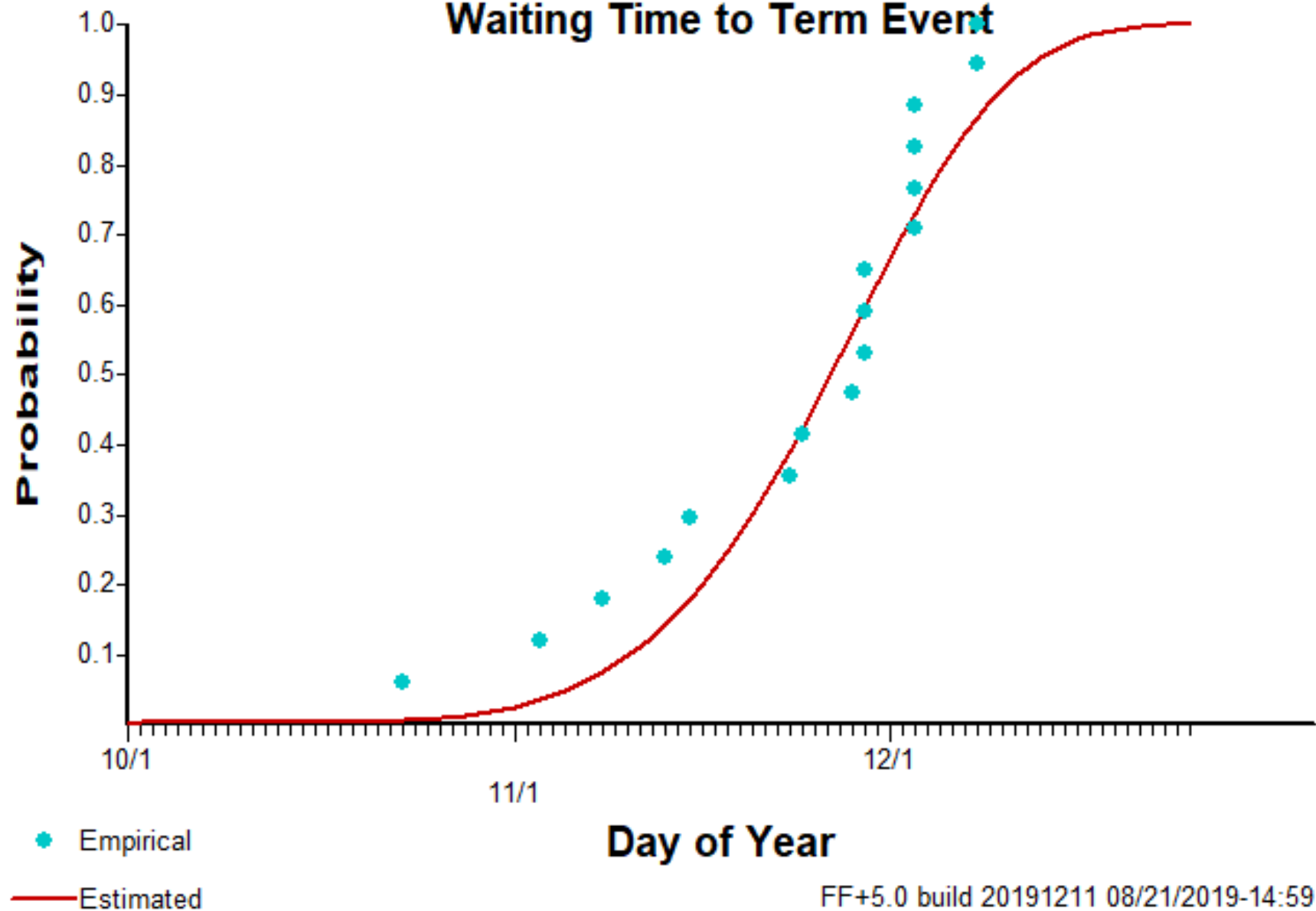
Term Dates

| Year | Day | #Days | Comment |
|------|-------|-------|----------------------------------|
| 2001 | 10/23 | 22 | 100 hr fuel moisture and BI |
| 2002 | 12/ 3 | 63 | Last large fire |
| 2003 | 11/ 3 | 33 | 100 hr fuel moisture used |
| 2004 | 11/28 | 59 | 100 hr fuel moisture used |
| 2005 | 11/13 | 43 | 100 hr fuel moisture and BI used |
| 2006 | 12/ 3 | 63 | 100 hr fuel moisture used |
| 2007 | 11/28 | 58 | 100 hr fuel moisture used |
| 2008 | 11/28 | 59 | 100 hr fuel moisture used |
| 2009 | 12/ 3 | 63 | 100 hr fuel moisture used |
| 2010 | 11/23 | 53 | 100 hr fuel moisture used |
| 2011 | 11/29 | 59 | Last large fire |
| 2012 | 12/ 7 | 68 | 100 hr fuel moisture used |
| 2013 | 11/15 | 45 | 100 hr fuel moisture used |
| 2014 | 11/ 8 | 38 | 100 hr fuel moisture used |
| 2015 | 12/ 8 | 68 | Last large fire |
| 2016 | 11/23 | 54 | Last large fire and BI used |
| 2017 | 12/ 3 | 63 | BI used |

Key Probabilities

| Probability | Date |
|-------------|-------------|
| 0.25 | November 19 |
| 0.50 | November 27 |
| 0.75 | December 04 |
| 0.90 | December 10 |
| 0.99 | December 19 |

SIG - NR18
2001 - 2017
Waiting Time to Term Event



NR18y Southeastern North Dakota Season Ending Graph and Report

FireFamily Plus Term Report

Station: SIG - NR18
Term Name: NR18y Season Ending
Season Start Day: 10\1
Data Years: 2001 - 2017
Alpha: 2.043439
Beta: 0.024099
R-Squared: 0.971987

Comment:

Fuel model Y Timber was used for season ending. A 3 day average where the ERC was at the 60th percentile and did not recover for the given year

Term Dates

Year Day #Days Comment

| | | | |
|------|-------|----|--|
| 2001 | 10/17 | 16 | |
| 2002 | 10/11 | 10 | |
| 2003 | 10/26 | 25 | |
| 2004 | 10/11 | 11 | |
| 2005 | 11/11 | 41 | |
| 2006 | 11/26 | 56 | |
| 2007 | 11/20 | 50 | |
| 2008 | 11/ 2 | 33 | |
| 2009 | 11/23 | 53 | |
| 2010 | 10/23 | 22 | |
| 2011 | 11/17 | 47 | |
| 2012 | 10/17 | 17 | |
| 2013 | 11/ 5 | 35 | |
| 2014 | 11/ 6 | 36 | |
| 2015 | 11/14 | 44 | |
| 2016 | 11/17 | 48 | |
| 2017 | 12/14 | 74 | |

Key Probabilities

Probability Date

| | |
|------|-------------|
| 0.25 | October 24 |
| 0.50 | November 05 |
| 0.75 | November 19 |
| 0.90 | December 03 |
| 0.99 | December 28 |

FF+5.0 build 20191211 08/22/2019-09:34

SIG - NR18
2001 - 2017
Waiting Time to Term Event

