

Degree Heating Month Analysis

Vanessa

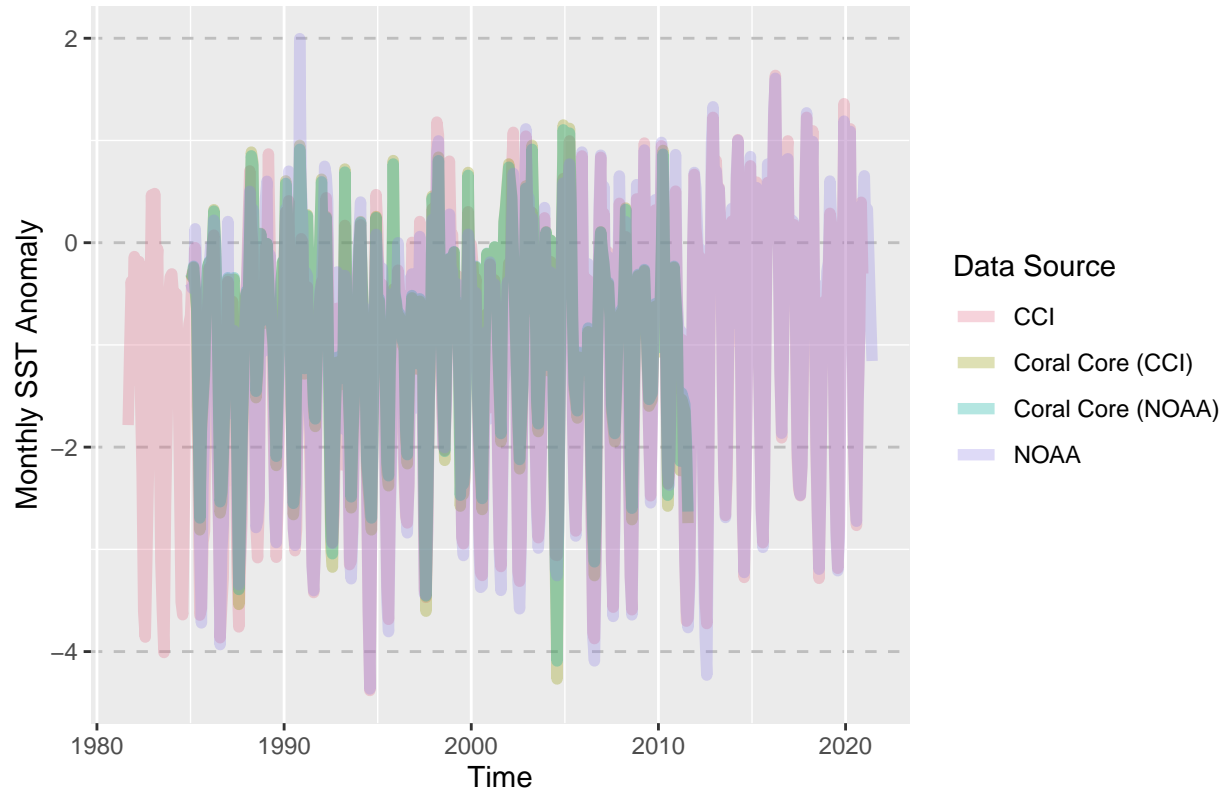
2021-10-08

Date Range of Coral Cores

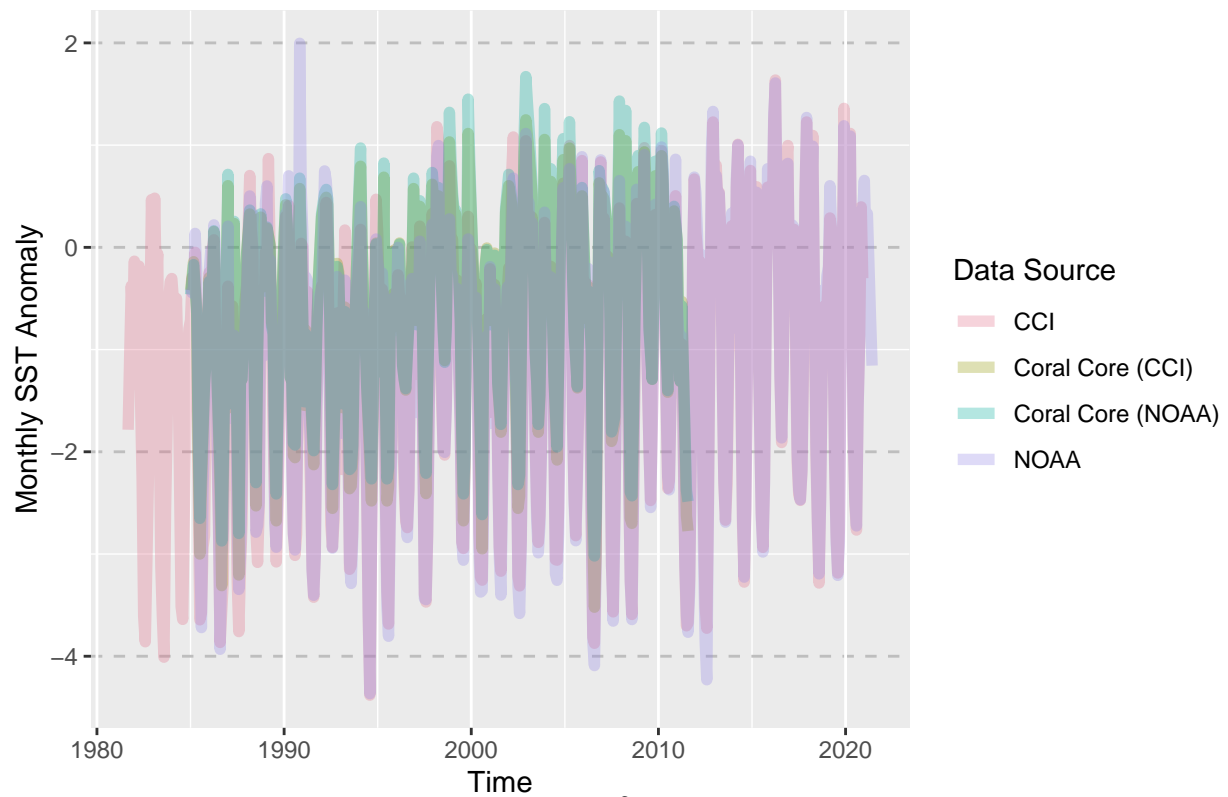
| Site | Start Year | End Year |
|----------------|------------|----------|
| BRS05 | 1985 | 2011 |
| BRS05 | 1985 | 2011 |
| BRS07 | 1985 | 2011 |
| BRS07 | 1985 | 2011 |
| DAR Long | 1985 | 2009 |
| DAR Long | 1985 | 2009 |
| TNT | 1985 | 1994 |
| TNT | 1985 | 1994 |
| 13TNT | 2004 | 2013 |
| 13TNT | 2004 | 2013 |
| 08TNT | 1996 | 2008 |
| 08TNT | 1996 | 2008 |
| Wallabi Island | 1985 | 1994 |
| Wallabi Island | 1985 | 1994 |

Degree Heating Month Anomaly Time Series Plots:

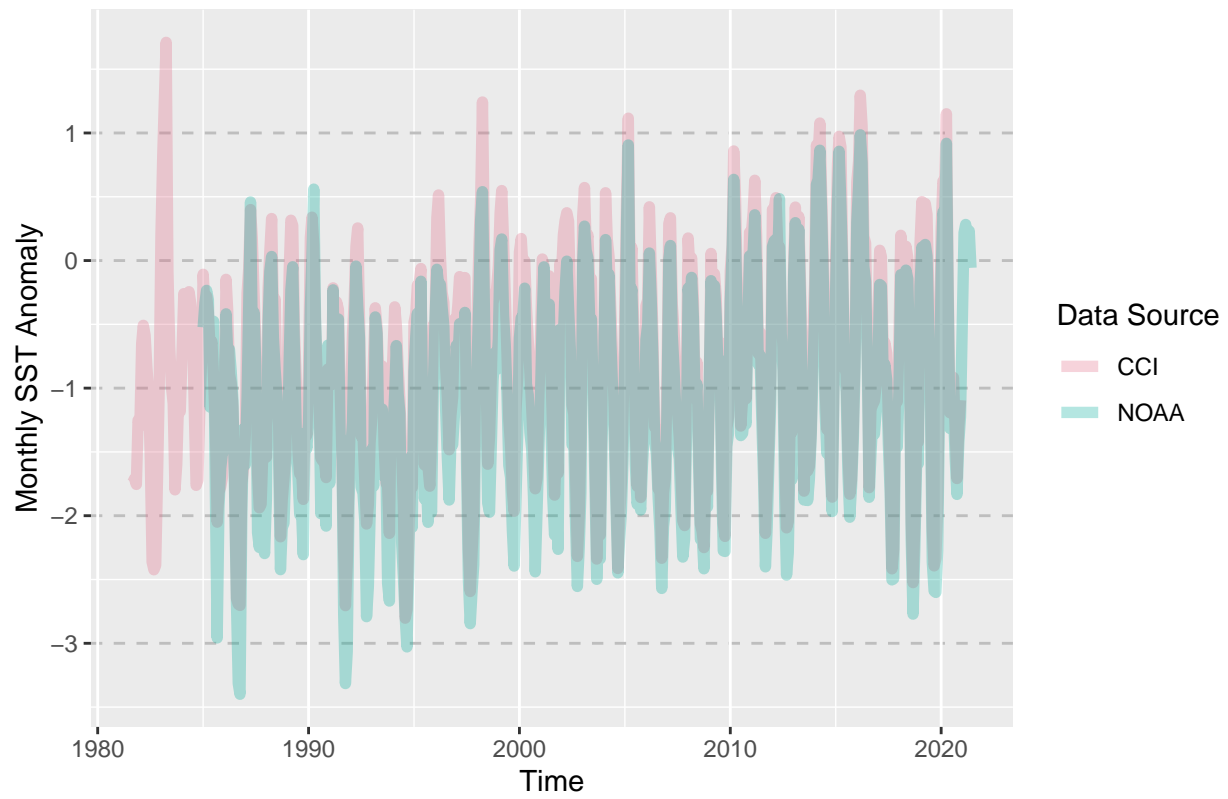
Time Series of BRS05 (−14.11, 123.54) Monthly SST Anomalies



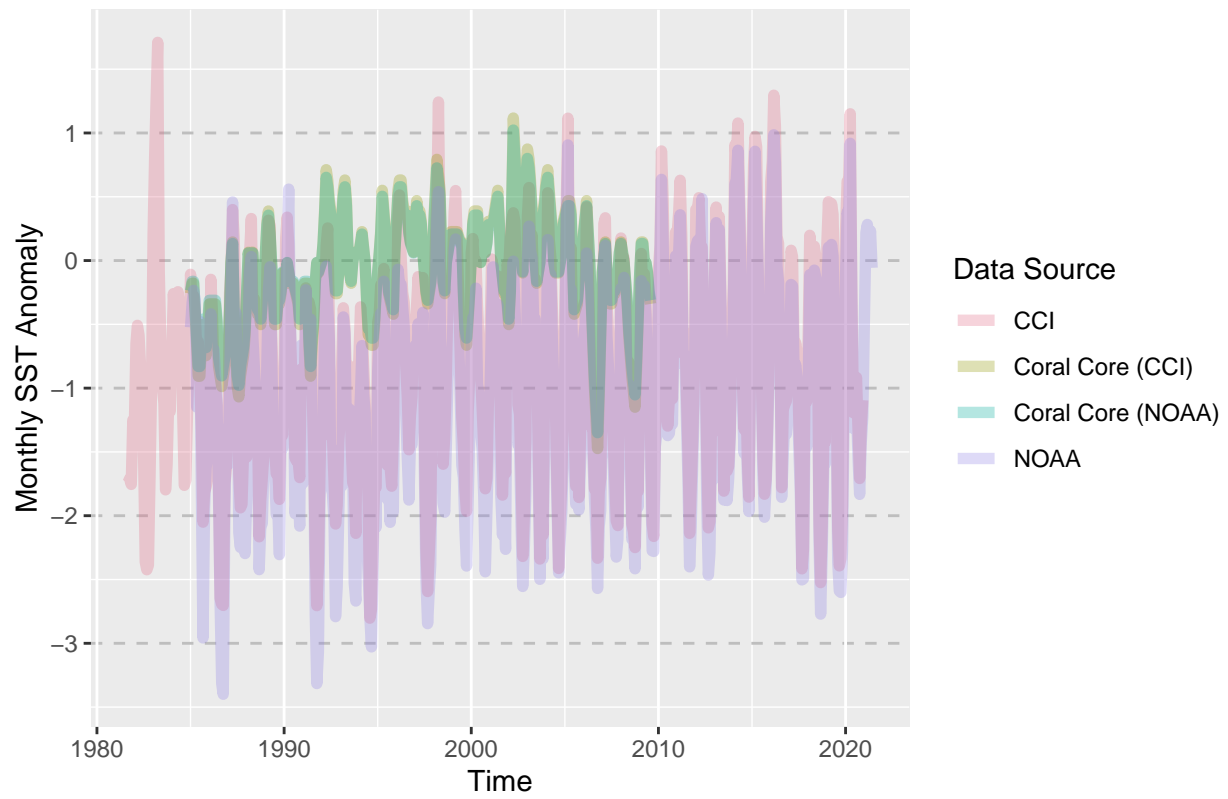
Time Series of BRS07 (−14.12, 123.55) Monthly SST Anomalies



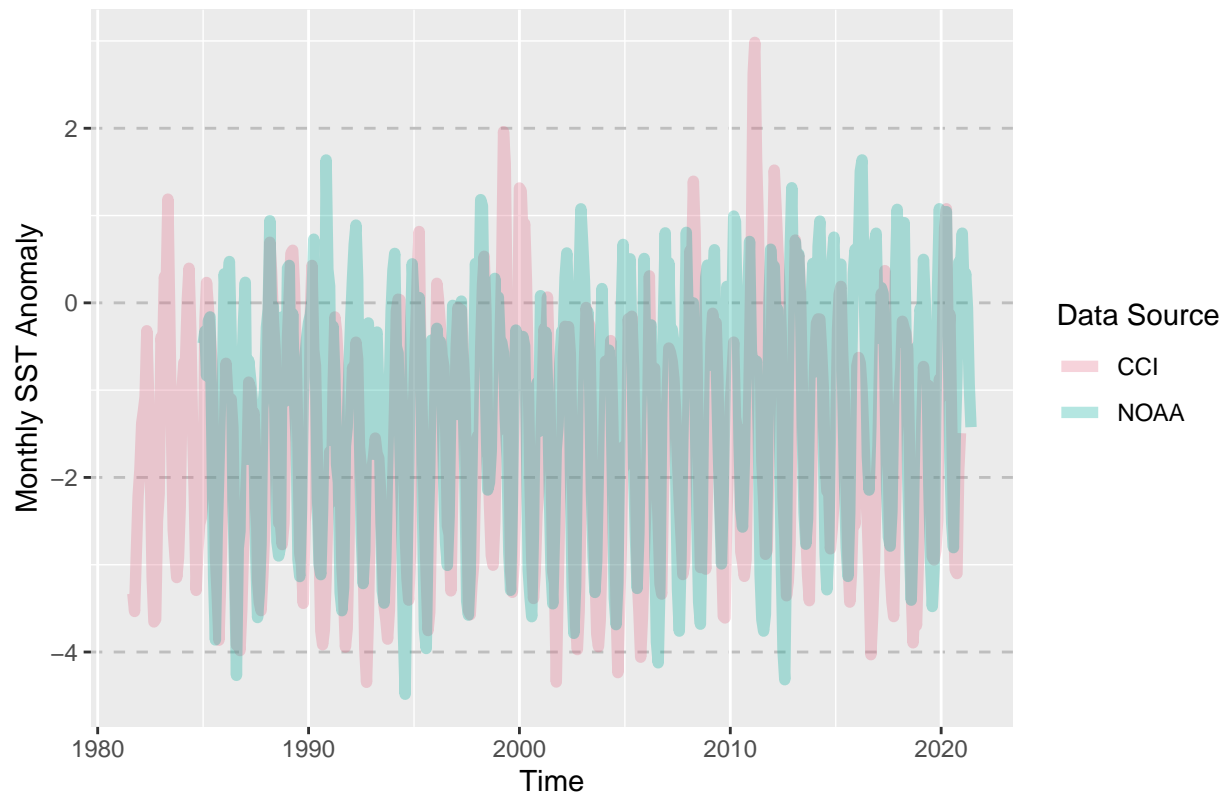
Time Series of DAR3 (−12.10, 96.88) Monthly SST anomalies



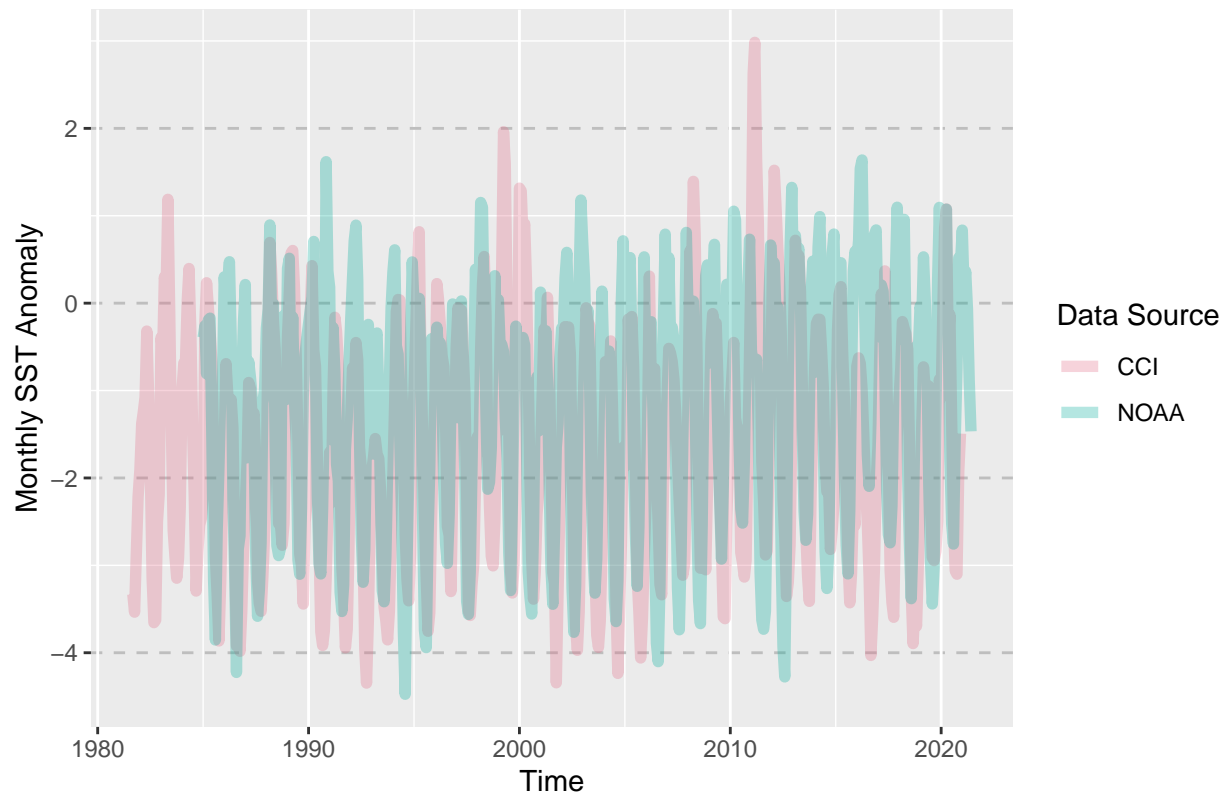
Time Series of DAR Long (−12.09, 96.88) Monthly SST Anomalies



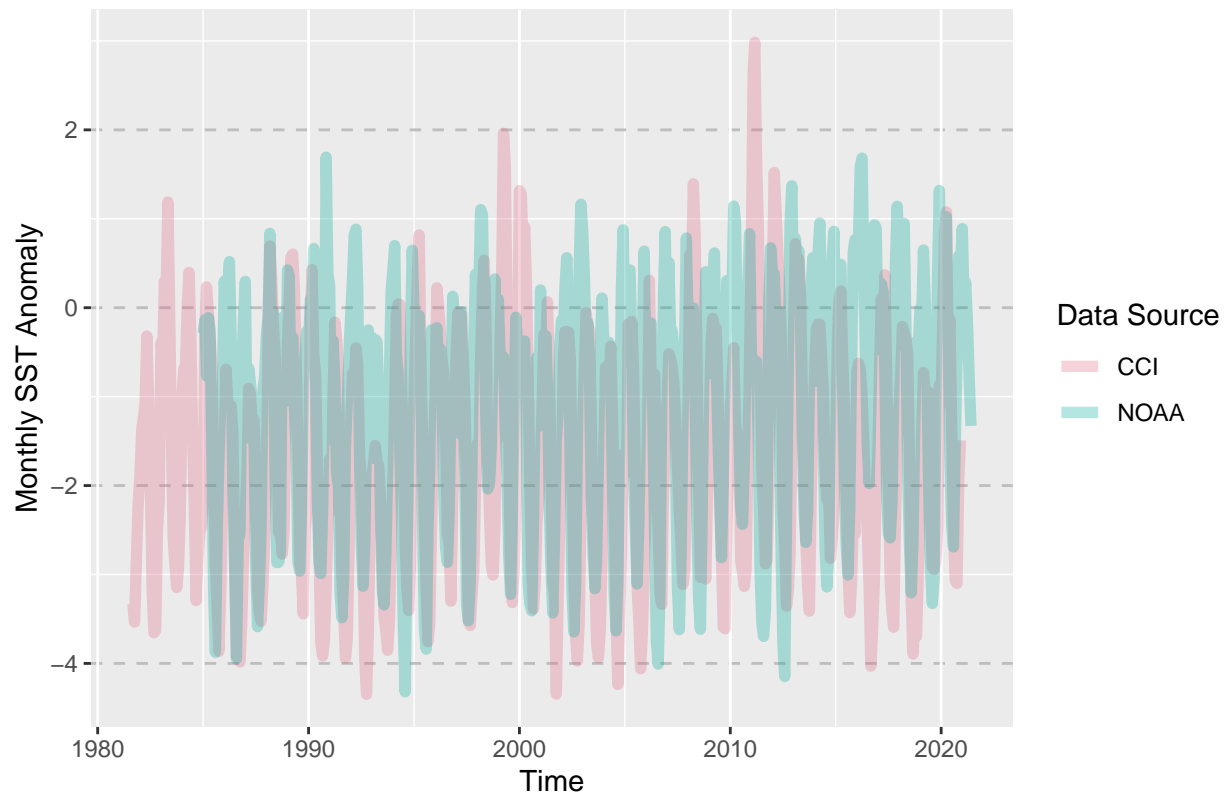
Time Series of SCOTT_RPO_1 (−14.06, 121.78) Monthly SST Anomalies



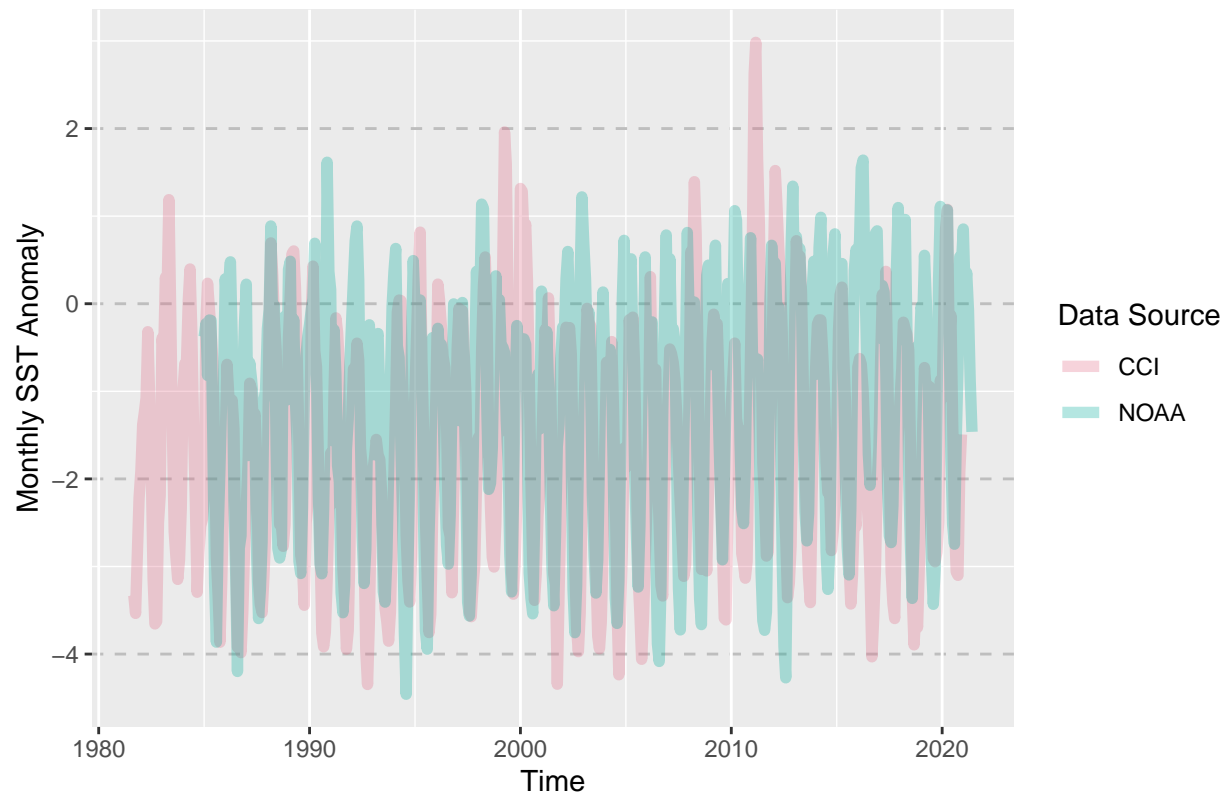
Time Series of SCOTT_SL4 (-14.02, 121.86) Monthly SST Anomalies



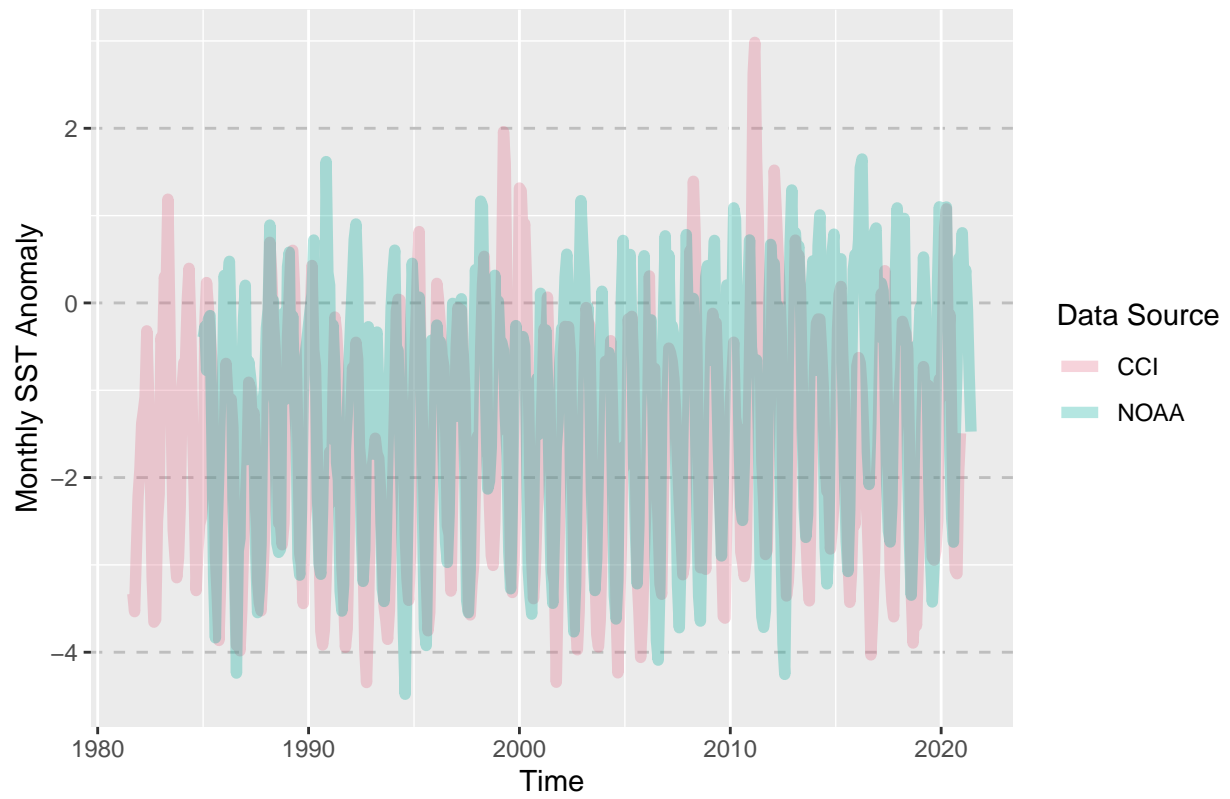
Time Series of SCOTT_SS3 (−13.64, 122.03) Monthly SST Anomalies



Time Series of SCOTTNR1 (–13.99, 121.88) Monthly SST Anomalies



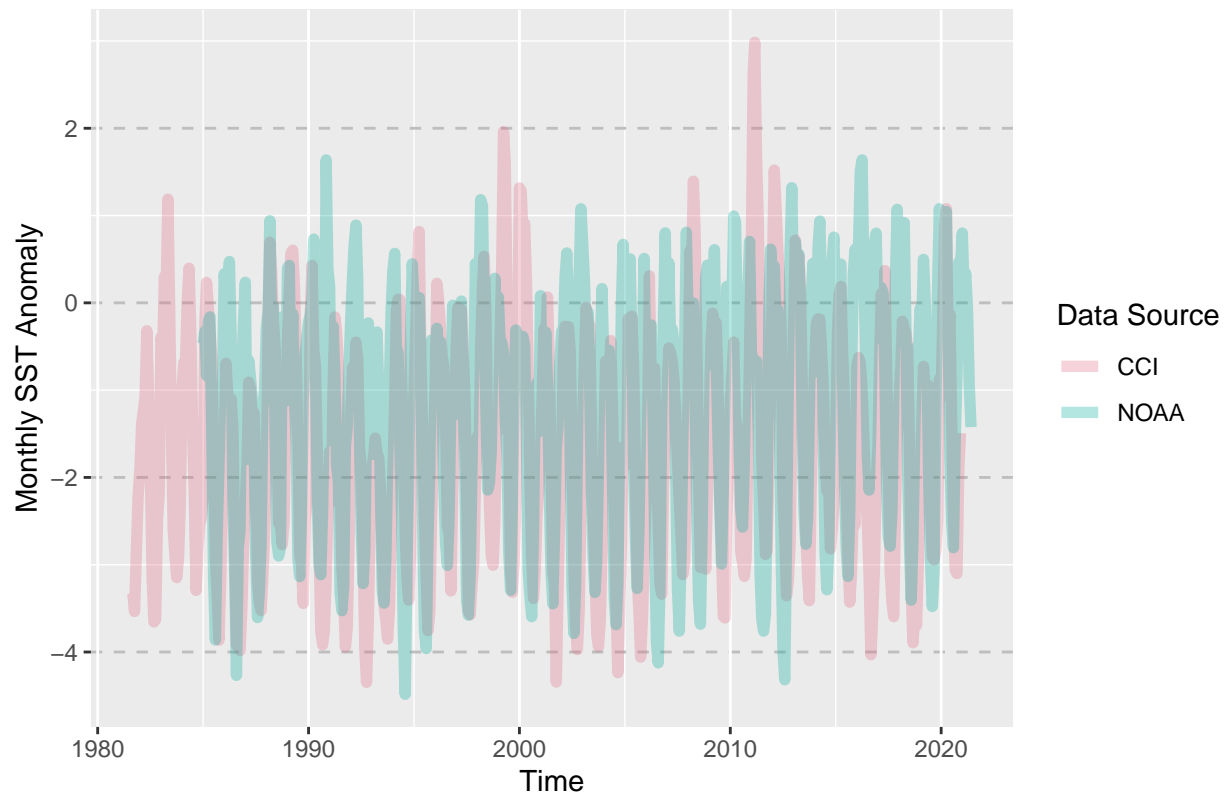
Time Series of SCOTTSL1 (–14.08, 121.95) Monthly SST Anomalies



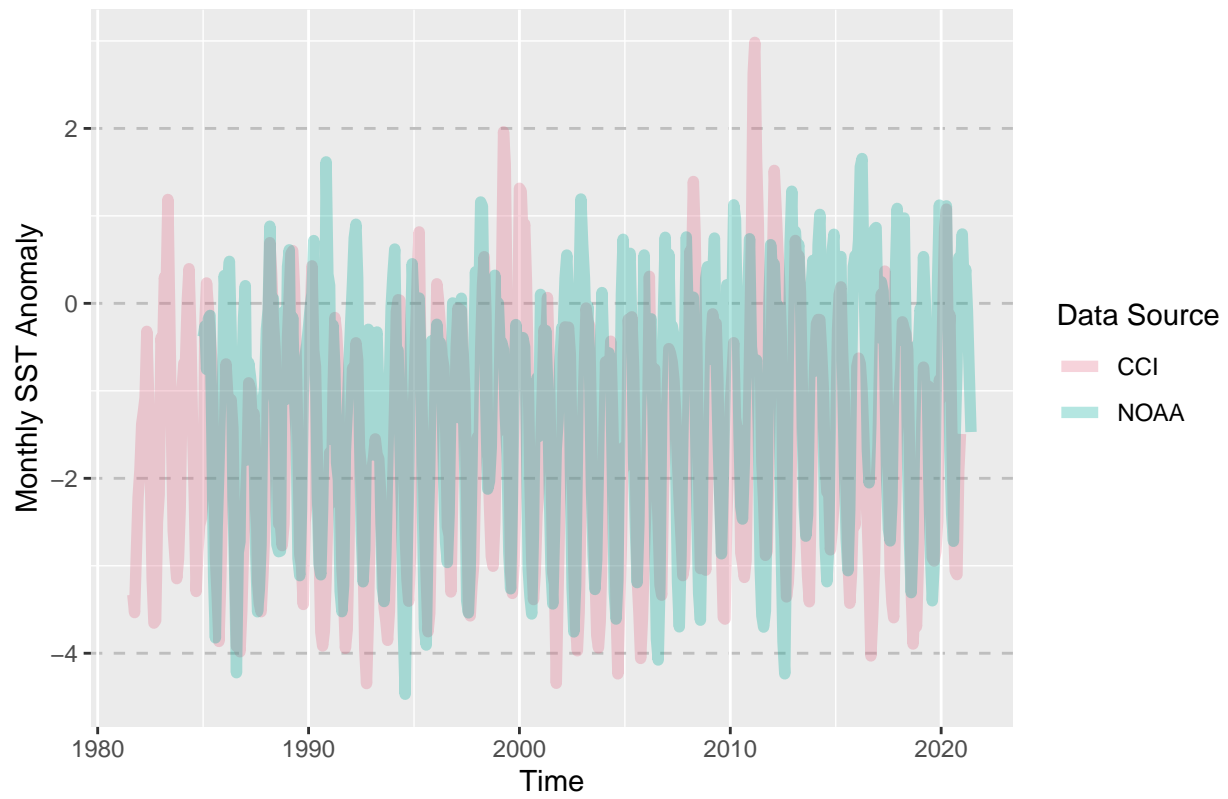
Time Series of SCOTTSL2 (–14.19, 121.80) Monthly SST Anomalies



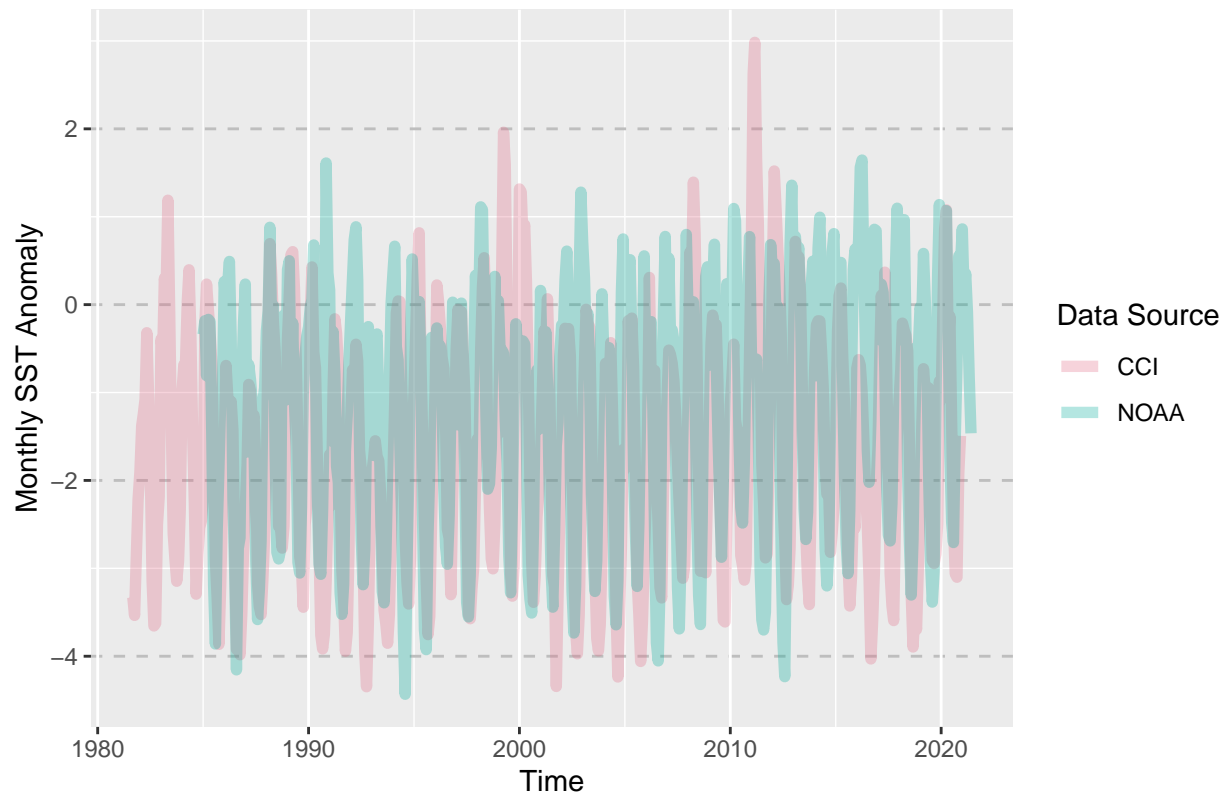
Time Series of SCOTTSL3 (–14.07, 121.78) Monthly SST Anomalies



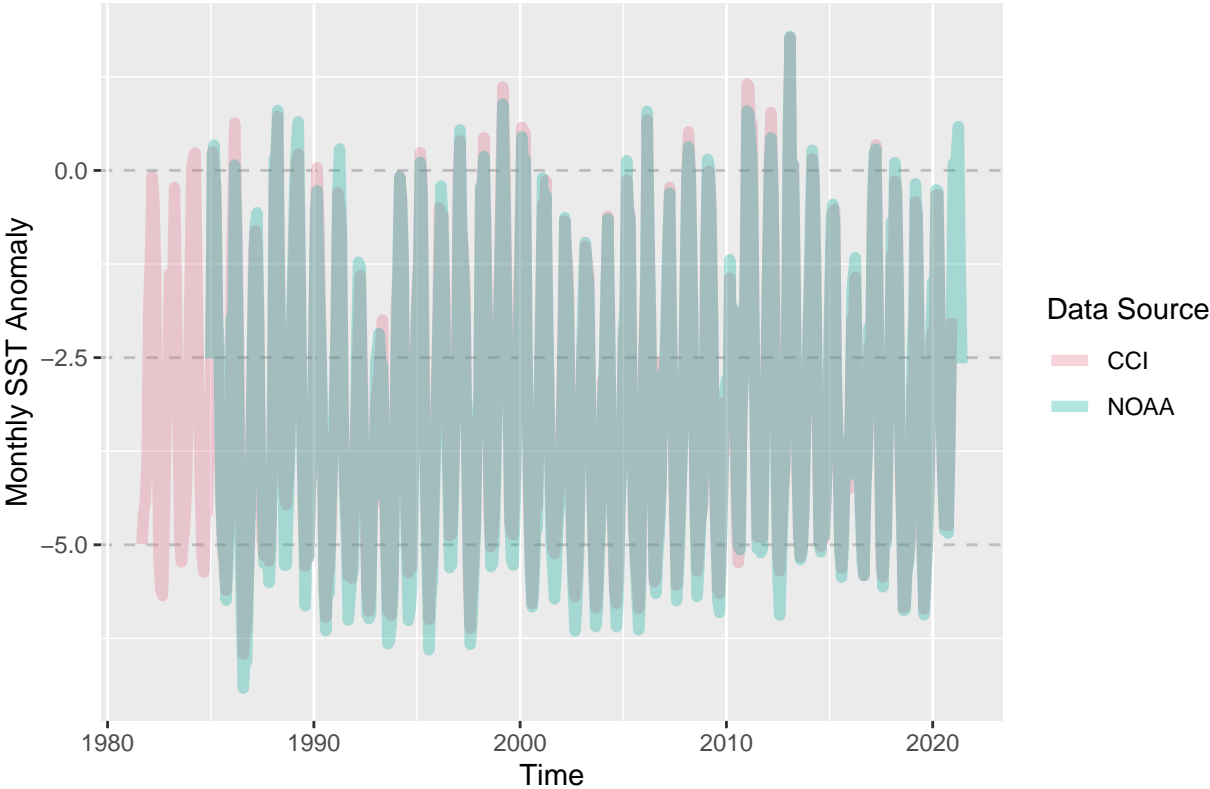
Time Series of SCOTTSS1 (–14.08, 121.98) Monthly SST Anomalies



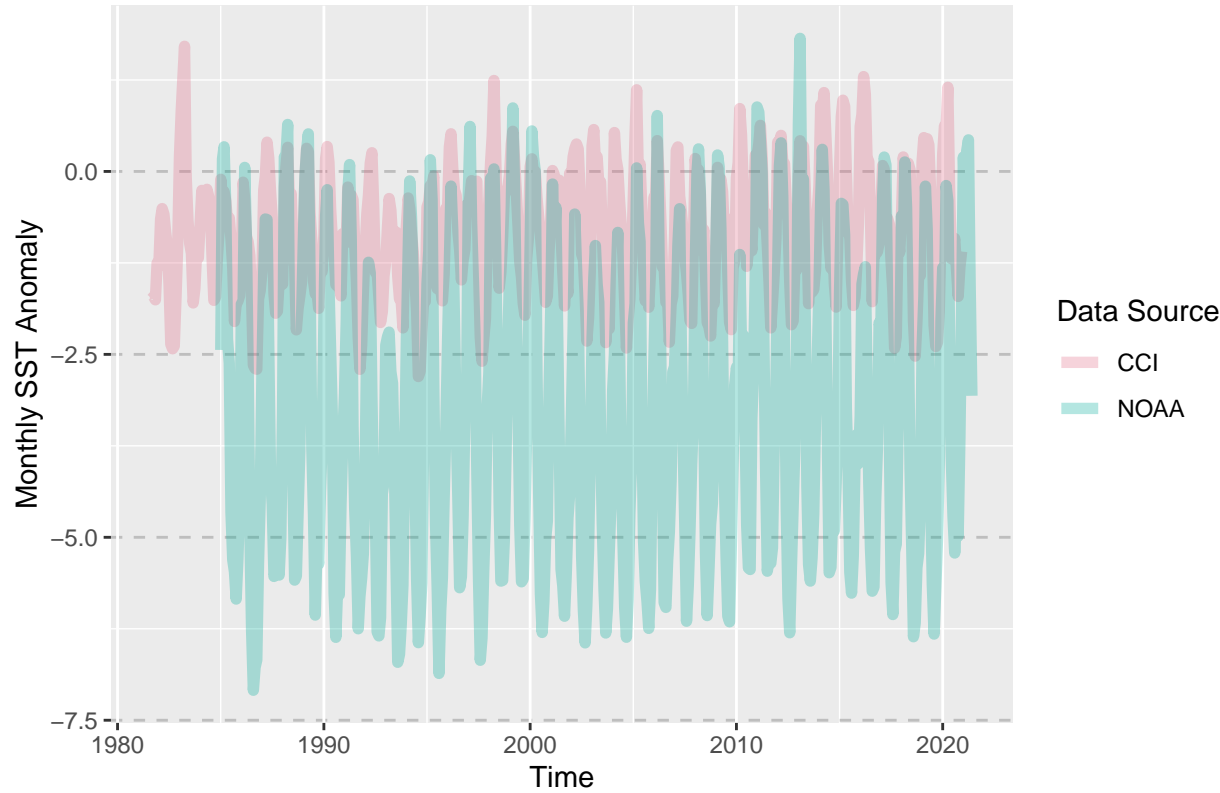
Time Series of SCOTTSS2 (–13.92, 121.92) Monthly SST Anomalies



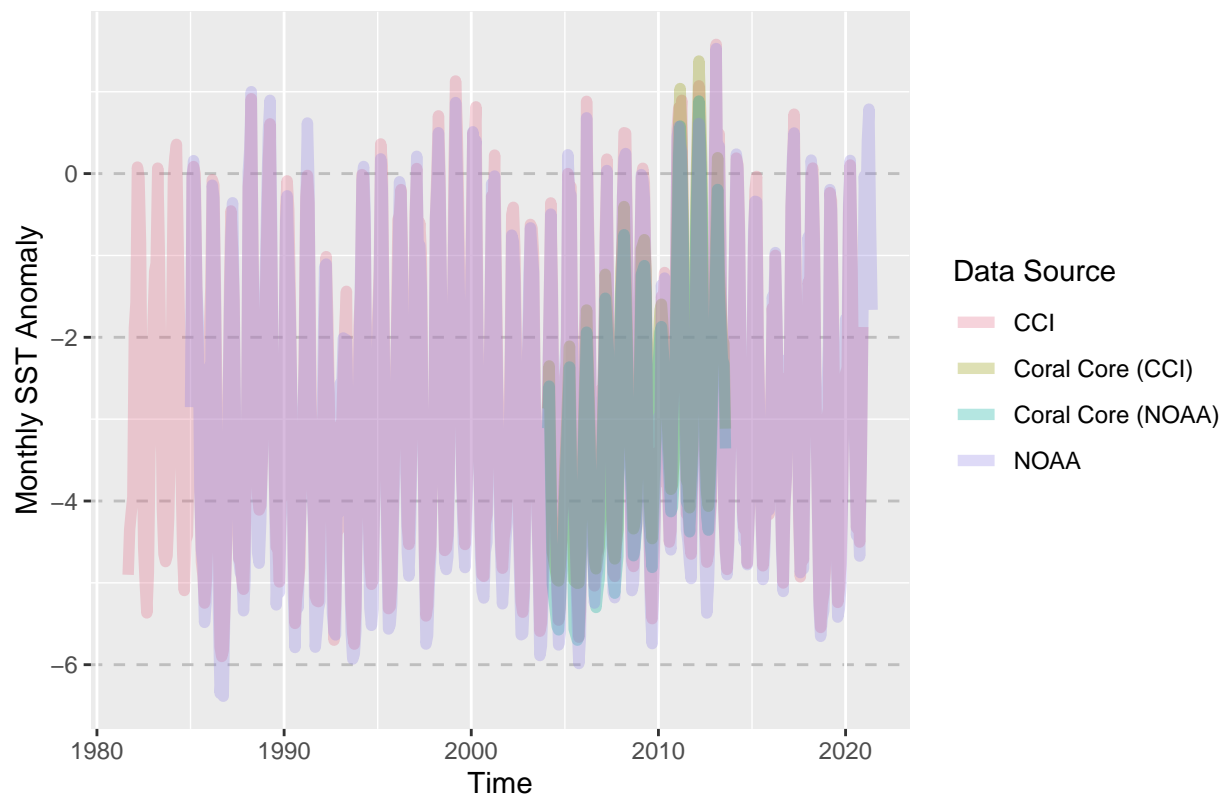
Time Series of BUN05A (–21.84, 114.18) Monthly SST Anomalies



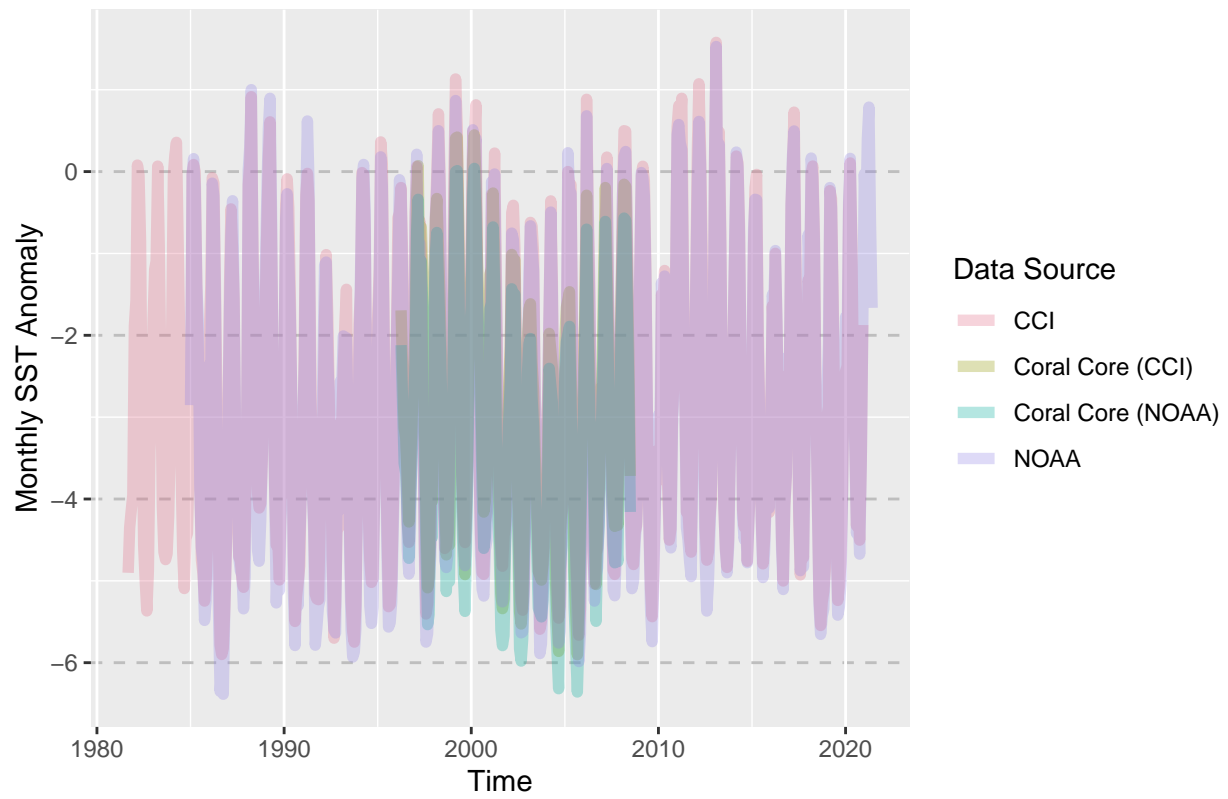
Time Series of 08BND and 13BND (−21.87, 114.16) Monthly SST Anom



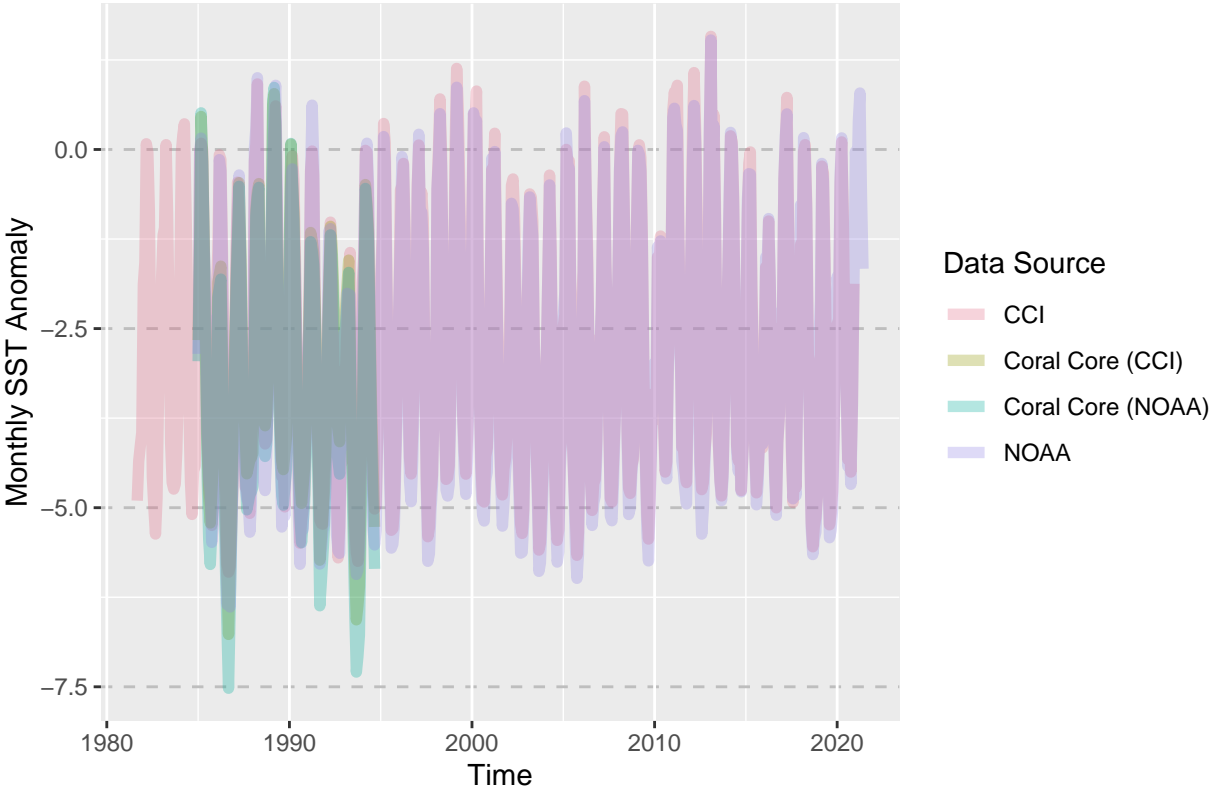
Time Series of 13TNT (–21.91, 113.97) Monthly SST Anomalies



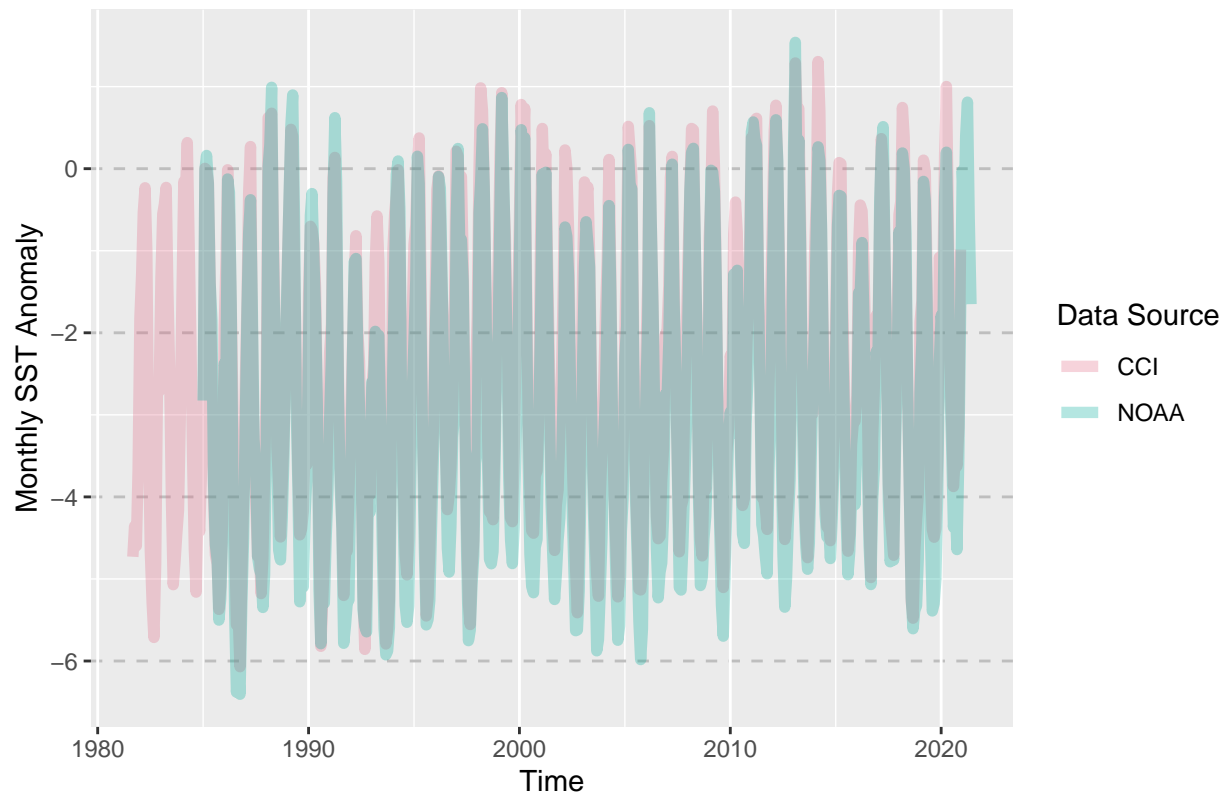
Time Series of 08TNT (–21.91, 113.97) Monthly SST Anomalies



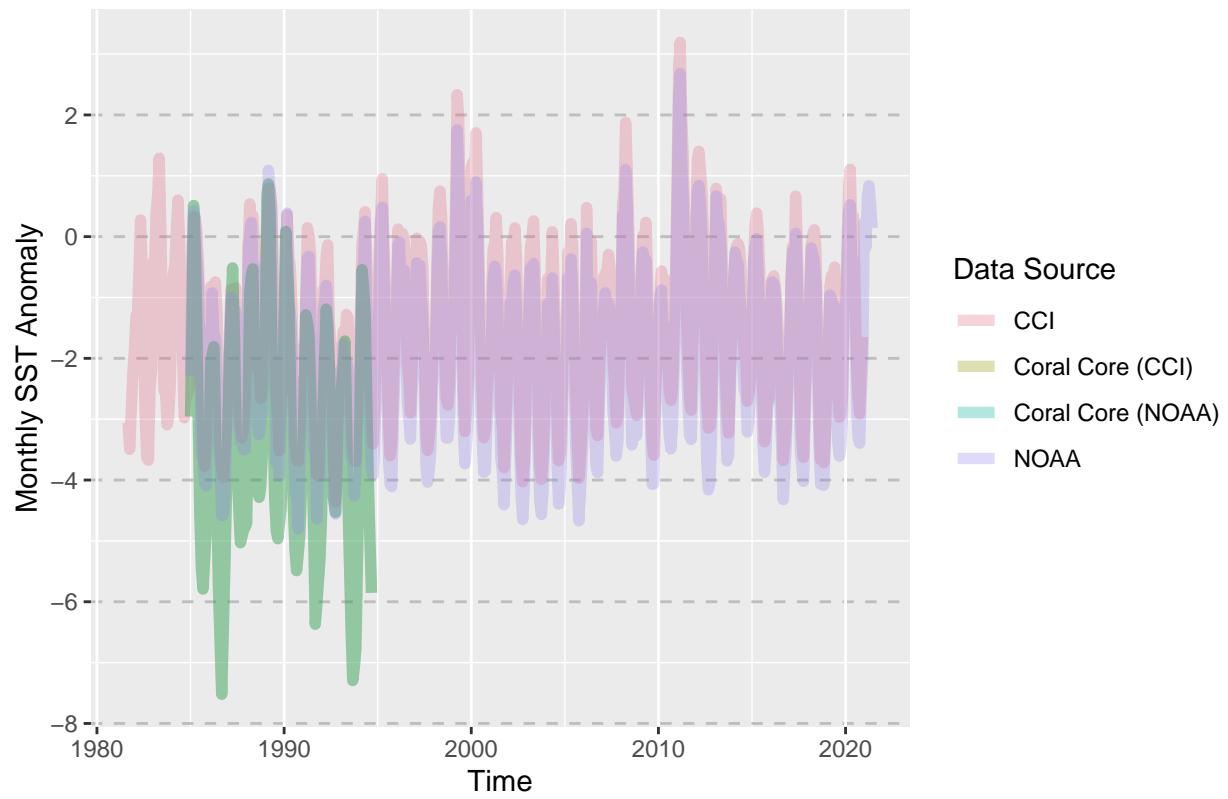
Time Series of TNT (−21.9, 113.97) Monthly SST Anomalies



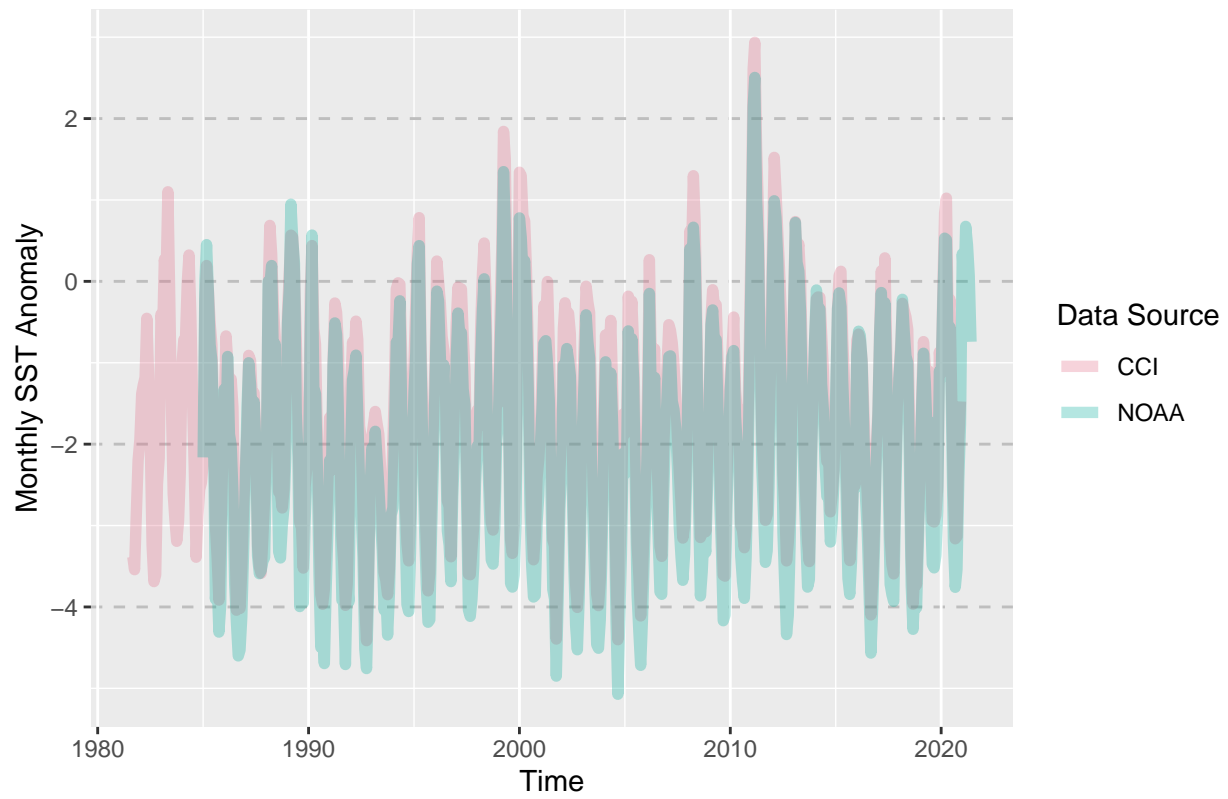
Time Series of TNT07C (–21.89, 113.96) Monthly SST Anomalies



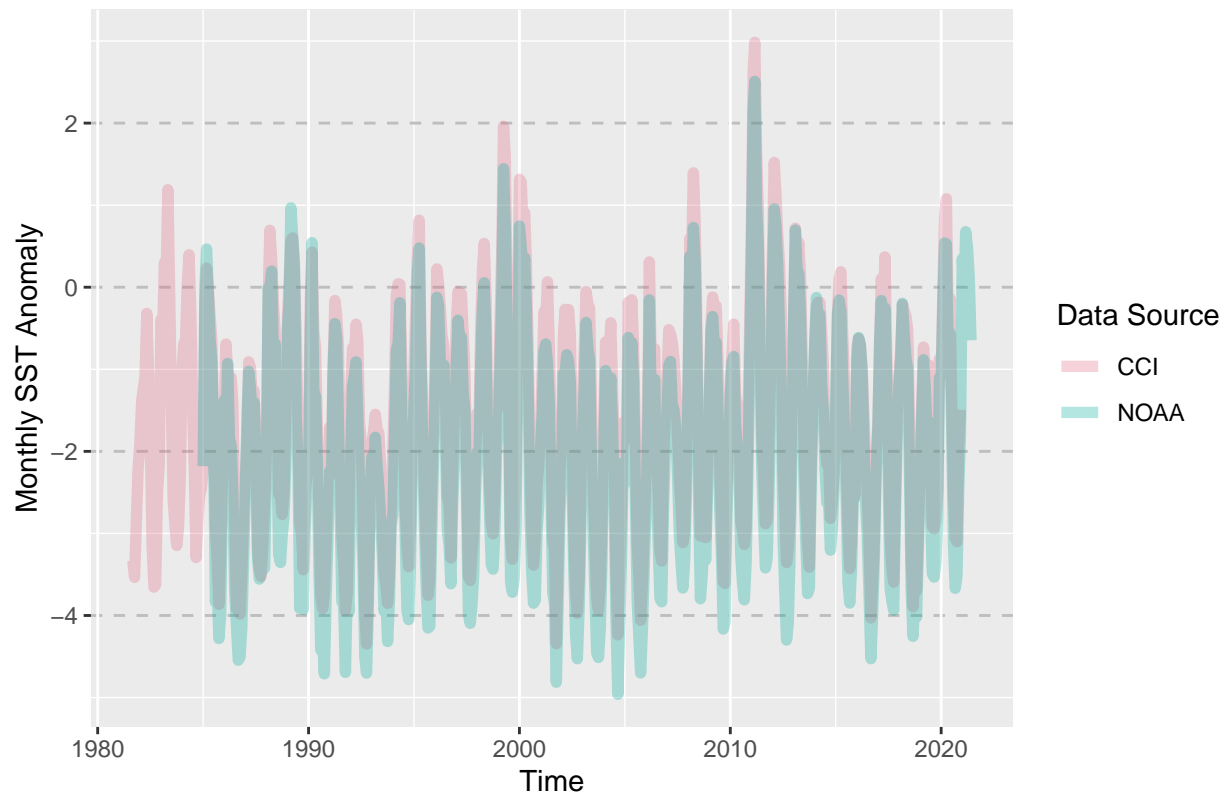
Time Series of Wallabi Island (–28.28, 113.46) Monthly SST Anomalies



Time Series of HAB05B (−28.46, 113.77) Monthly SST Anomalies



Time Series of HAB10A (−28.46, 113.75) Monthly SST Anomalies



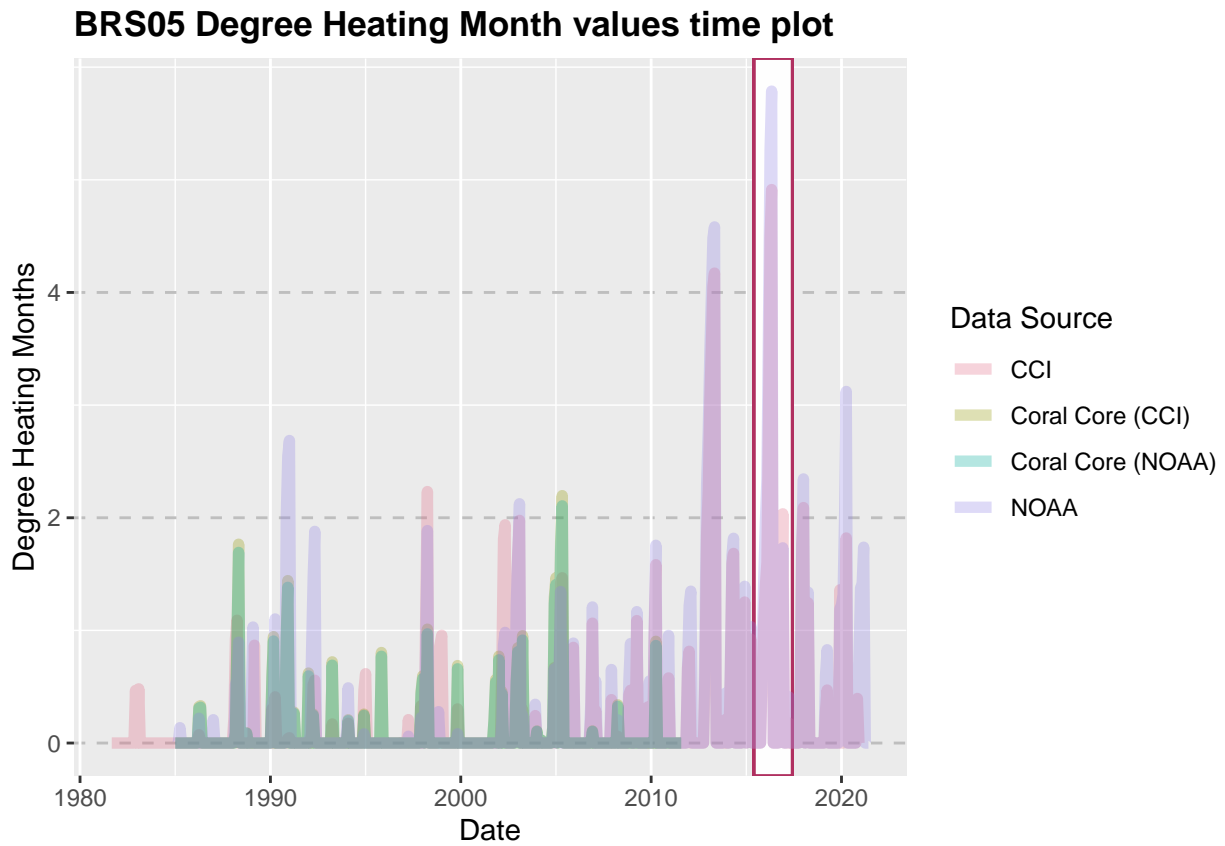
BRS05 Degree Heating Months Time Series

Table 1: Coral Core Date Range is from 1985 to 2011

| Date | Site | Degree Heating Month Values in BRS05 | | | |
|----------|-------|--------------------------------------|----------|------------------|-------------------|
| | | CCI | NOAA | Coral Core (CCI) | Coral Core (NOAA) |
| 1988 Apr | BRS05 | 1.090547 | NA | NA | NA |
| 1988 May | BRS05 | NA | NA | 1.765417 | 1.692473 |
| 1989 Feb | BRS05 | NA | 1.030132 | NA | NA |
| 1990 Apr | BRS05 | NA | 1.101939 | NA | NA |
| 1990 Nov | BRS05 | NA | 1.996722 | NA | NA |
| 1990 Dec | BRS05 | NA | 2.548165 | 1.442172 | 1.382583 |
| 1991 Jan | BRS05 | NA | 2.686059 | NA | NA |
| 1992 Apr | BRS05 | NA | 1.474293 | NA | NA |
| 1992 May | BRS05 | NA | 1.879285 | NA | NA |
| 1998 Mar | BRS05 | 1.180382 | NA | NA | NA |
| 1998 Apr | BRS05 | 2.232604 | 1.886219 | 1.011178 | NA |
| 2002 Apr | BRS05 | 1.810930 | NA | NA | NA |
| 2002 May | BRS05 | 1.937768 | NA | NA | NA |
| 2002 Dec | BRS05 | 1.347509 | 1.221412 | NA | NA |
| 2003 Jan | BRS05 | 1.708215 | 1.686726 | NA | NA |
| 2003 Feb | BRS05 | 1.977009 | 2.124424 | NA | NA |
| 2004 Dec | BRS05 | NA | NA | 1.292981 | 1.239557 |
| 2005 Jan | BRS05 | NA | NA | 1.467037 | 1.406421 |
| 2005 Apr | BRS05 | 1.431048 | 1.345187 | 1.790282 | 1.716310 |
| 2005 May | BRS05 | 1.467562 | NA | 2.196411 | 2.105658 |
| 2006 Dec | BRS05 | 1.064417 | 1.208337 | NA | NA |
| 2009 Apr | BRS05 | 1.087220 | 1.166573 | NA | NA |
| 2010 Mar | BRS05 | NA | 1.005535 | NA | NA |
| 2010 Apr | BRS05 | 1.583653 | 1.755924 | NA | NA |
| 2012 Jan | BRS05 | NA | 1.220627 | NA | NA |
| 2012 Feb | BRS05 | NA | 1.348166 | NA | NA |
| 2012 Dec | BRS05 | 1.850736 | 2.304541 | NA | NA |
| 2013 Jan | BRS05 | 2.235311 | 2.768242 | NA | NA |
| 2013 Feb | BRS05 | 3.038393 | 3.470583 | NA | NA |
| 2013 Mar | BRS05 | 3.513935 | 3.954607 | NA | NA |
| 2013 Apr | BRS05 | 4.053494 | 4.483995 | NA | NA |
| 2013 May | BRS05 | 4.171941 | 4.582212 | NA | NA |
| 2014 Apr | BRS05 | 1.591840 | 1.666090 | NA | NA |
| 2014 May | BRS05 | 1.683513 | 1.817855 | NA | NA |
| 2014 Dec | BRS05 | 1.252197 | 1.391778 | NA | NA |
| 2015 Apr | BRS05 | NA | 1.033266 | NA | NA |
| 2015 Dec | BRS05 | 1.064113 | 1.444692 | NA | NA |
| 2016 Jan | BRS05 | 1.390948 | 1.952586 | NA | NA |
| 2016 Feb | BRS05 | 1.606171 | 2.345986 | NA | NA |
| 2016 Mar | BRS05 | 2.855907 | 3.659365 | NA | NA |
| 2016 Apr | BRS05 | 4.493128 | 5.268087 | NA | NA |
| 2016 May | BRS05 | 4.913836 | 5.787594 | NA | NA |
| 2016 Nov | BRS05 | 1.038705 | NA | NA | NA |
| 2016 Dec | BRS05 | 2.035217 | 1.733210 | NA | NA |
| 2017 Dec | BRS05 | 1.758048 | 1.770853 | NA | NA |

Table 1: Coral Core Date Range is from 1985 to 2011 (*continued*)

| Date | Site | CCI | NOAA | Coral Core (CCI) | Coral Core (NOAA) |
|----------|-------|----------|----------|------------------|-------------------|
| 2018 Jan | BRS05 | 2.090688 | 2.344876 | NA | NA |
| 2018 Apr | BRS05 | 1.244308 | 1.339229 | NA | NA |
| 2019 Dec | BRS05 | 1.360060 | 1.189830 | NA | NA |
| 2020 Jan | BRS05 | NA | 1.225143 | NA | NA |
| 2020 Feb | BRS05 | NA | 1.317164 | NA | NA |
| 2020 Mar | BRS05 | NA | 2.031833 | NA | NA |
| 2020 Apr | BRS05 | 1.820431 | 3.121222 | NA | NA |
| 2021 Jan | BRS05 | NA | 1.377866 | NA | NA |
| 2021 Feb | BRS05 | NA | 1.408421 | NA | NA |
| 2021 Mar | BRS05 | NA | 1.738896 | NA | NA |



BRS07 Degree Heating Months Time Series

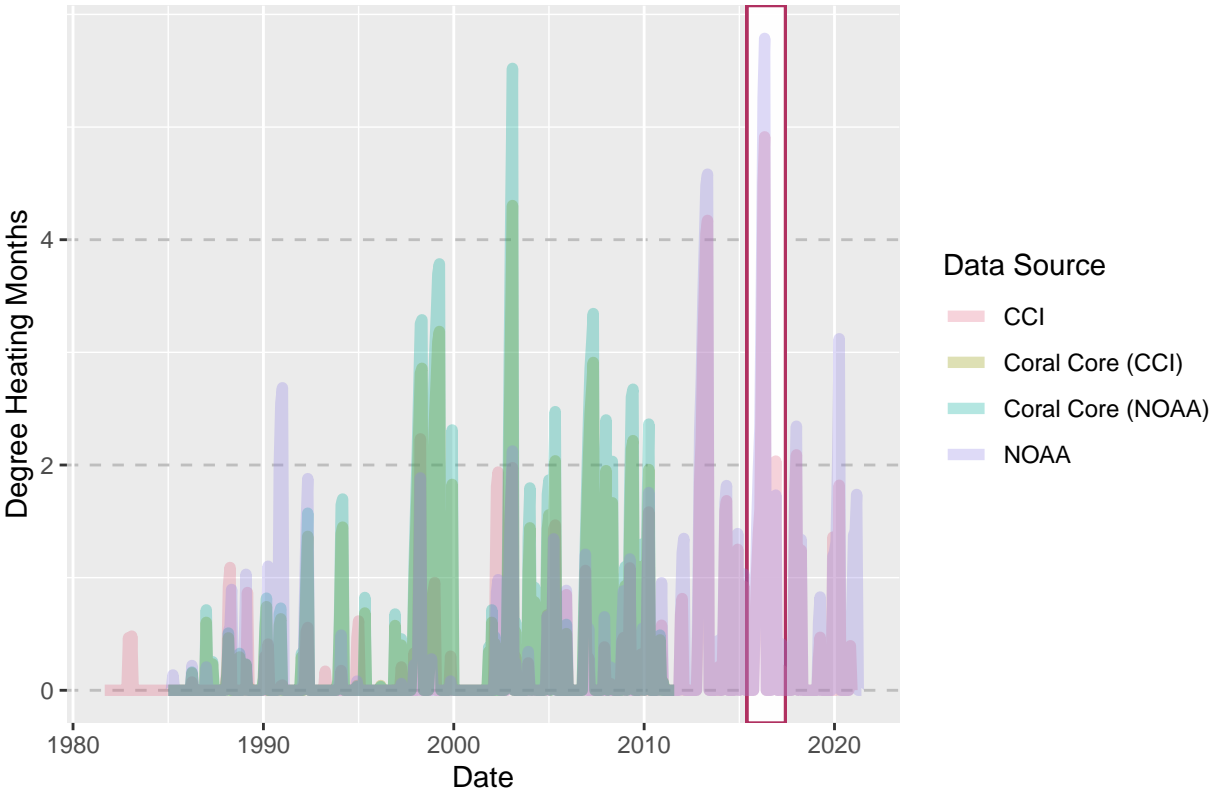
Table 2: Coral Core Date Range is from 1985 to 2011

| Date | Site | Degree Heating Month Values in BRS07 | | | |
|----------|-------|--------------------------------------|----------|------------------|-------------------|
| | | CCI | NOAA | Coral Core (CCI) | Coral Core (NOAA) |
| 1988 Apr | BRS07 | 1.090547 | NA | NA | NA |
| 1989 Feb | BRS07 | NA | 1.030132 | NA | NA |
| 1990 Apr | BRS07 | NA | 1.101939 | NA | NA |
| 1990 Nov | BRS07 | NA | 1.996722 | NA | NA |
| 1990 Dec | BRS07 | NA | 2.548165 | NA | NA |
| 1991 Jan | BRS07 | NA | 2.686059 | NA | NA |
| 1992 Apr | BRS07 | NA | 1.474293 | NA | 1.097518 |
| 1992 May | BRS07 | NA | 1.879285 | 1.366988 | 1.572701 |
| 1994 Feb | BRS07 | NA | NA | 1.389801 | 1.646277 |
| 1994 Mar | BRS07 | NA | NA | 1.449132 | 1.698394 |
| 1997 Dec | BRS07 | NA | NA | NA | 1.097518 |
| 1998 Jan | BRS07 | NA | NA | 1.404994 | 1.627883 |
| 1998 Feb | BRS07 | NA | NA | 1.836287 | 2.121460 |
| 1998 Mar | BRS07 | 1.180382 | NA | 2.311557 | 2.670219 |
| 1998 Apr | BRS07 | 2.232604 | 1.886219 | 2.815834 | 3.255766 |
| 1998 May | BRS07 | NA | NA | 2.858888 | 3.289489 |
| 1998 Nov | BRS07 | NA | NA | 1.281962 | 1.594160 |
| 1998 Dec | BRS07 | NA | NA | 1.995861 | 2.455620 |
| 1999 Jan | BRS07 | NA | NA | 2.456534 | 2.985985 |
| 1999 Feb | BRS07 | NA | NA | 2.767820 | 3.332408 |
| 1999 Mar | BRS07 | NA | NA | 3.094324 | 3.697226 |
| 1999 Apr | BRS07 | NA | NA | 3.186020 | 3.786131 |
| 1999 Nov | BRS07 | NA | NA | 1.114324 | 1.450073 |
| 1999 Dec | BRS07 | NA | NA | 1.828222 | 2.311533 |
| 2002 Apr | BRS07 | 1.810930 | NA | NA | NA |
| 2002 May | BRS07 | 1.937768 | NA | NA | NA |
| 2002 Nov | BRS07 | NA | NA | 1.029856 | 1.263065 |
| 2002 Dec | BRS07 | 1.347509 | 1.221412 | 2.277922 | 2.933868 |
| 2003 Jan | BRS07 | 1.708215 | 1.686726 | 3.369085 | 4.347153 |
| 2003 Feb | BRS07 | 1.977009 | 2.124424 | 4.303638 | 5.521313 |
| 2003 Dec | BRS07 | NA | NA | 1.055955 | 1.358102 |
| 2004 Jan | BRS07 | NA | NA | 1.442712 | 1.796496 |
| 2004 Dec | BRS07 | NA | NA | 1.434433 | 1.741314 |
| 2005 Jan | BRS07 | NA | NA | 1.558245 | 1.867007 |
| 2005 Apr | BRS07 | 1.431048 | 1.345187 | 1.504662 | 1.851679 |
| 2005 May | BRS07 | 1.467562 | NA | 2.037697 | 2.474014 |
| 2006 Dec | BRS07 | 1.064417 | 1.208337 | 1.121533 | 1.318248 |
| 2007 Jan | BRS07 | NA | NA | 1.625810 | 1.903795 |
| 2007 Feb | BRS07 | NA | NA | 2.101080 | 2.452555 |
| 2007 Mar | BRS07 | NA | NA | 2.457835 | 2.854160 |
| 2007 Apr | BRS07 | NA | NA | 2.676503 | 3.090219 |
| 2007 May | BRS07 | NA | NA | 2.910763 | 3.344671 |
| 2007 Dec | BRS07 | NA | NA | 1.504439 | 1.888467 |
| 2008 Jan | BRS07 | NA | NA | 1.950454 | 2.400438 |
| 2008 Apr | BRS07 | NA | NA | 1.430852 | 1.778102 |

Table 2: Coral Core Date Range is from 1985 to 2011 (*continued*)

| Date | Site | CCI | NOAA | Coral Core (CCI) | Coral Core (NOAA) |
|----------|-------|----------|----------|------------------|-------------------|
| 2008 May | BRS07 | NA | NA | 1.665112 | 2.032554 |
| 2009 Jan | BRS07 | NA | NA | NA | 1.097518 |
| 2009 Apr | BRS07 | 1.087220 | 1.166573 | 1.481874 | 1.814890 |
| 2009 May | BRS07 | NA | NA | 2.141242 | 2.602773 |
| 2009 Jun | BRS07 | NA | NA | 2.216786 | 2.673284 |
| 2009 Dec | BRS07 | NA | NA | 1.102024 | 1.299854 |
| 2010 Mar | BRS07 | NA | 1.005535 | 1.342935 | 1.630949 |
| 2010 Apr | BRS07 | 1.583653 | 1.755924 | 1.960751 | 2.363649 |
| 2012 Jan | BRS07 | NA | 1.220627 | NA | NA |
| 2012 Feb | BRS07 | NA | 1.348166 | NA | NA |
| 2012 Dec | BRS07 | 1.850736 | 2.304541 | NA | NA |
| 2013 Jan | BRS07 | 2.235311 | 2.768242 | NA | NA |
| 2013 Feb | BRS07 | 3.038393 | 3.470583 | NA | NA |
| 2013 Mar | BRS07 | 3.513935 | 3.954607 | NA | NA |
| 2013 Apr | BRS07 | 4.053494 | 4.483995 | NA | NA |
| 2013 May | BRS07 | 4.171941 | 4.582212 | NA | NA |
| 2014 Apr | BRS07 | 1.591840 | 1.666090 | NA | NA |
| 2014 May | BRS07 | 1.683513 | 1.817855 | NA | NA |
| 2014 Dec | BRS07 | 1.252197 | 1.391778 | NA | NA |
| 2015 Apr | BRS07 | NA | 1.033266 | NA | NA |
| 2015 Dec | BRS07 | 1.064113 | 1.444692 | NA | NA |
| 2016 Jan | BRS07 | 1.390948 | 1.952586 | NA | NA |
| 2016 Feb | BRS07 | 1.606171 | 2.345986 | NA | NA |
| 2016 Mar | BRS07 | 2.855907 | 3.659365 | NA | NA |
| 2016 Apr | BRS07 | 4.493128 | 5.268087 | NA | NA |
| 2016 May | BRS07 | 4.913836 | 5.787594 | NA | NA |
| 2016 Nov | BRS07 | 1.038705 | NA | NA | NA |
| 2016 Dec | BRS07 | 2.035217 | 1.733210 | NA | NA |
| 2017 Dec | BRS07 | 1.758048 | 1.770853 | NA | NA |
| 2018 Jan | BRS07 | 2.090688 | 2.344876 | NA | NA |
| 2018 Apr | BRS07 | 1.244308 | 1.339229 | NA | NA |
| 2019 Dec | BRS07 | 1.360060 | 1.189830 | NA | NA |
| 2020 Jan | BRS07 | NA | 1.225143 | NA | NA |
| 2020 Feb | BRS07 | NA | 1.317164 | NA | NA |
| 2020 Mar | BRS07 | NA | 2.031833 | NA | NA |
| 2020 Apr | BRS07 | 1.820431 | 3.121222 | NA | NA |
| 2021 Jan | BRS07 | NA | 1.377866 | NA | NA |
| 2021 Feb | BRS07 | NA | 1.408421 | NA | NA |
| 2021 Mar | BRS07 | NA | 1.738896 | NA | NA |

BRS07 Degree Heating Month values time plot



DAR3 Degree Heating Months Time Series

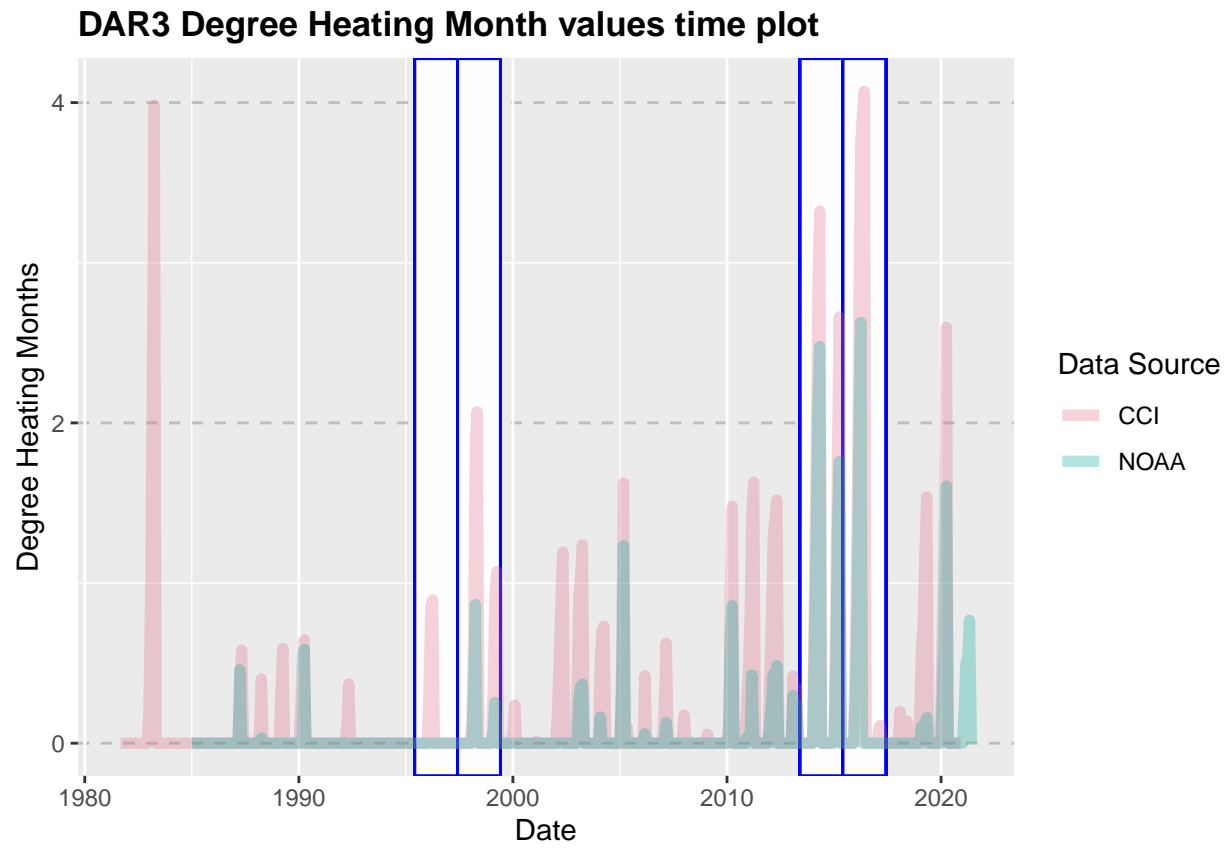


Table 3: Degree Heating Month values in DAR3 from CCI (left) and NOAA (right)

| Date | DHM value | Date | DHM value |
|----------|-----------|----------|-----------|
| 2016-Jun | 4.0709144 | 2016-Apr | 2.6280683 |
| 1983-Apr | 3.9839208 | 2014-May | 2.4771831 |
| 2016-May | 3.9347101 | 2014-Apr | 2.0976759 |
| 2016-Apr | 3.7442817 | 2016-Mar | 1.8606795 |
| 2014-May | 3.3209593 | 2015-Apr | 1.7597519 |
| 2014-Apr | 2.7898849 | 2020-Apr | 1.6053113 |
| 2016-Mar | 2.6890772 | 2015-Mar | 1.3356964 |
| 2015-Apr | 2.6610193 | 2005-Mar | 1.2332655 |
| 2020-Apr | 2.5963338 | 2014-Mar | 1.2326203 |
| 1983-Mar | 2.2733838 | 2016-Feb | 0.8747207 |
| 1998-May | 2.0698542 | 1998-Apr | 0.8647240 |
| 1998-Apr | 1.8658770 | 2010-Apr | 0.8585960 |
| 2015-Mar | 1.7704816 | 2021-May | 0.7679235 |
| 2014-Mar | 1.7120120 | 2010-Mar | 0.6928738 |
| 2011-Apr | 1.6294489 | 2020-Mar | 0.6862557 |
| 2005-Mar | 1.6245417 | 2014-Feb | 0.5969841 |
| 2019-May | 1.5374549 | 1990-Apr | 0.5853692 |
| 2012-May | 1.5176929 | 2021-Apr | 0.5351905 |
| 2010-Apr | 1.4792122 | 2021-Mar | 0.5014683 |
| 2020-Mar | 1.4457954 | 2012-May | 0.4853136 |
| 2011-Mar | 1.4379123 | 2015-Feb | 0.4787698 |
| 2012-Apr | 1.4111337 | 1987-Apr | 0.4593889 |
| 2016-Feb | 1.3928385 | 2012-Mar | 0.4302456 |
| 2012-Mar | 1.2999305 | 2011-Mar | 0.4254890 |
| 2003-Apr | 1.2385086 | 2020-Feb | 0.3802969 |
| 2002-May | 1.1936400 | 2003-Apr | 0.3694040 |
| 2019-Apr | 1.1754154 | 2003-Mar | 0.3493484 |
| 1999-Apr | 1.0720771 | 2005-Feb | 0.3269841 |
| 2003-Mar | 1.0369713 | 1998-Mar | 0.3246685 |
| 1983-Feb | 1.0229540 | 2016-Jan | 0.2982168 |
| 2010-Mar | 0.9813421 | 2013-Feb | 0.2969841 |
| 1999-Mar | 0.9238743 | 2003-Feb | 0.2698413 |
| 2003-Feb | 0.9178300 | 2012-Feb | 0.2642869 |
| 2014-Feb | 0.9057763 | 1999-Mar | 0.2547401 |
| 1996-Apr | 0.8926295 | 2013-Apr | 0.2457222 |
| 2002-Apr | 0.8854689 | 2021-Feb | 0.2184127 |
| 2020-Feb | 0.8631049 | 2004-Feb | 0.1644349 |
| 1996-Mar | 0.8490889 | 2019-May | 0.1607348 |
| 2011-Feb | 0.8084511 | 2007-Mar | 0.1280581 |
| 2012-Feb | 0.8069213 | 2019-Apr | 0.1263889 |
| 2015-Feb | 0.7968265 | 2012-Jan | 0.1095072 |
| 2004-Apr | 0.7297618 | 2019-Feb | 0.1048413 |
| 2019-Mar | 0.7285432 | 1999-Feb | 0.0855556 |
| 2004-Mar | 0.6988920 | 2011-Feb | 0.0666270 |
| 1990-Apr | 0.6440420 | 2006-Mar | 0.0591846 |
| 2007-Mar | 0.6249715 | 2010-Feb | 0.0562698 |
| 1998-Mar | 0.6230098 | 2010-Dec | 0.0359588 |
| 2016-Jan | 0.6149446 | 1988-Apr | 0.0320556 |
| 2019-Feb | 0.5984363 | 1990-Mar | 0.0253136 |
| 1989-Apr | 0.5914373 | 2007-Feb | 0.0098413 |
| 1987-May | 0.5809463 | 1985-Jan | 0.0000000 |
| 2004-Feb | 0.5316875 | 1985-Feb | 0.0000000 |
| 1990-Mar | 0.5201679 | 1985-Mar | 0.0000000 |
| 2002-Mar | 0.5105979 | 1985-Apr | 0.0000000 |
| 2005-Feb | 0.5086303 | 1985-May | 0.0000000 |

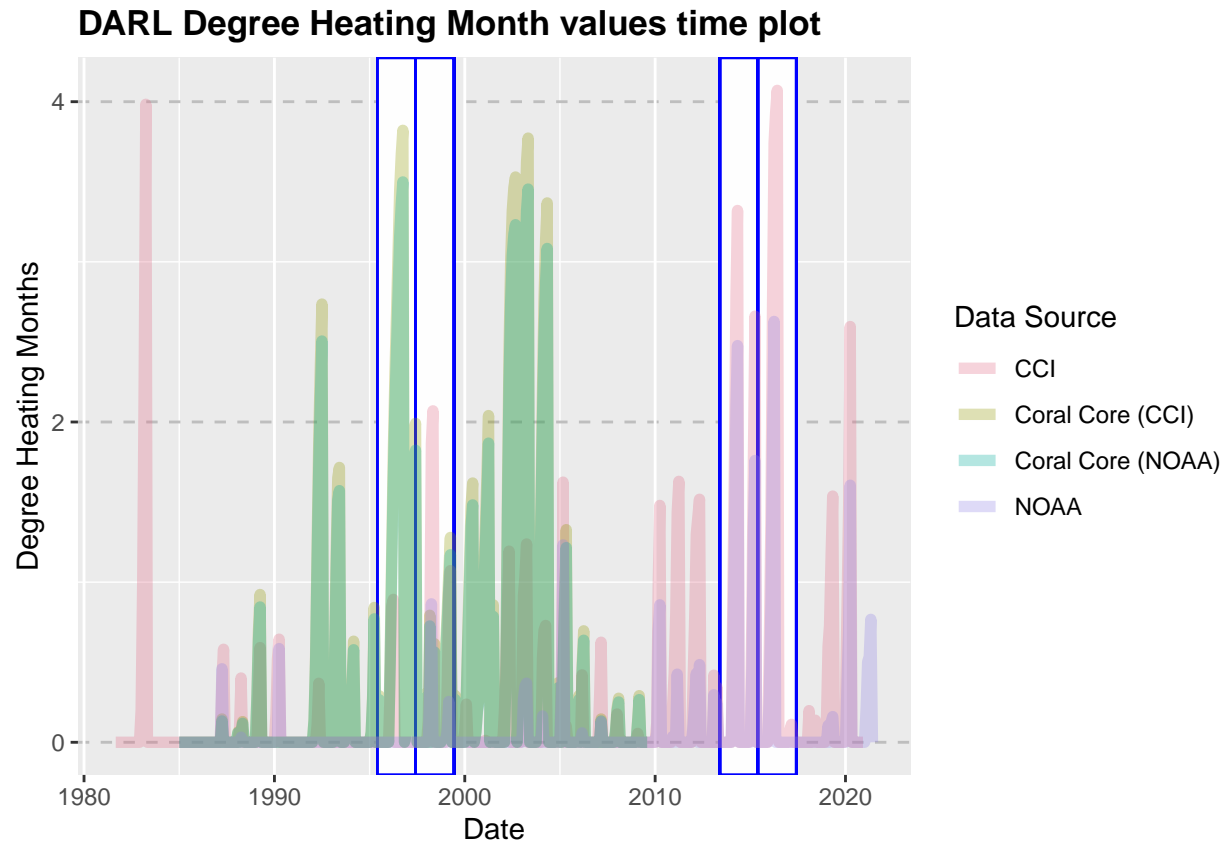
DAR Long Degree Heating Months Time Series

Table 4: Coral Core Date Range is from 1985 to 2009

| Date | Site | Degree Heating Month Values in DAR Long | | | |
|----------|----------|---|------|------------------|-------------------|
| | | CCI | NOAA | Coral Core (CCI) | Coral Core (NOAA) |
| 1983 Feb | DAR Long | 1.022954 | NA | NA | NA |
| 1983 Mar | DAR Long | 2.273384 | NA | NA | NA |
| 1983 Apr | DAR Long | 3.983921 | NA | NA | NA |
| 1992 Apr | DAR Long | NA | NA | 1.246815 | 1.141626 |
| 1992 May | DAR Long | NA | NA | 1.878319 | 1.719852 |
| 1992 Jun | DAR Long | NA | NA | 2.347899 | 2.149814 |
| 1992 Jul | DAR Long | NA | NA | 2.736517 | 2.505646 |
| 1993 Apr | DAR Long | NA | NA | 1.182046 | 1.082320 |
| 1993 May | DAR Long | NA | NA | 1.651626 | 1.512283 |
| 1993 Jun | DAR Long | NA | NA | 1.716395 | 1.571589 |
| 1996 Mar | DAR Long | NA | NA | 1.182046 | 1.082320 |
| 1996 Apr | DAR Long | NA | NA | 1.813550 | 1.660546 |
| 1996 May | DAR Long | NA | NA | 2.283129 | 2.090509 |
| 1996 Jun | DAR Long | NA | NA | 2.671747 | 2.446340 |
| 1996 Jul | DAR Long | NA | NA | 3.060365 | 2.802172 |
| 1996 Aug | DAR Long | NA | NA | 3.448983 | 3.158003 |
| 1996 Sep | DAR Long | NA | NA | 3.675676 | 3.365572 |
| 1996 Oct | DAR Long | NA | NA | 3.821408 | 3.499008 |
| 1997 Mar | DAR Long | NA | NA | 1.230623 | 1.126799 |
| 1997 Apr | DAR Long | NA | NA | 1.619241 | 1.482631 |
| 1997 May | DAR Long | NA | NA | 1.926897 | 1.764330 |
| 1997 Jun | DAR Long | NA | NA | 1.991666 | 1.823636 |
| 1998 Apr | DAR Long | 1.865877 | NA | NA | NA |
| 1998 May | DAR Long | 2.069854 | NA | NA | NA |
| 1999 Mar | DAR Long | NA | NA | 1.052507 | NA |
| 1999 Apr | DAR Long | 1.072077 | NA | 1.279200 | 1.171278 |
| 2000 Apr | DAR Long | NA | NA | 1.084891 | NA |
| 2000 May | DAR Long | NA | NA | 1.473509 | 1.349194 |
| 2000 Jun | DAR Long | NA | NA | 1.619241 | 1.482631 |
| 2001 Jan | DAR Long | NA | NA | 1.036314 | NA |
| 2001 Feb | DAR Long | NA | NA | 1.343970 | 1.230583 |
| 2001 Mar | DAR Long | NA | NA | 1.651626 | 1.512283 |
| 2001 Apr | DAR Long | NA | NA | 2.040243 | 1.868115 |
| 2002 Apr | DAR Long | NA | NA | 1.586856 | 1.452978 |
| 2002 May | DAR Long | 1.193640 | NA | 2.461246 | 2.253598 |
| 2002 Jun | DAR Long | NA | NA | 3.011788 | 2.757693 |
| 2002 Jul | DAR Long | NA | NA | 3.319444 | 3.039393 |
| 2002 Aug | DAR Long | NA | NA | 3.465175 | 3.172830 |
| 2002 Sep | DAR Long | NA | NA | 3.529945 | 3.232135 |
| 2003 Jan | DAR Long | NA | NA | 1.813550 | 1.660546 |
| 2003 Feb | DAR Long | NA | NA | 2.606978 | 2.387035 |
| 2003 Mar | DAR Long | 1.036971 | NA | 3.238481 | 2.965261 |
| 2003 Apr | DAR Long | 1.238509 | NA | 3.627099 | 3.321093 |
| 2003 May | DAR Long | NA | NA | 3.772831 | 3.454529 |
| 2004 Jan | DAR Long | NA | NA | 1.489702 | 1.364020 |

Table 4: Coral Core Date Range is from 1985 to 2009 (*continued*)

| Date | Site | CCI | NOAA | Coral Core (CCI) | Coral Core (NOAA) |
|----------|----------|----------|----------|------------------|-------------------|
| 2004 Feb | DAR Long | NA | NA | 2.202167 | 2.016378 |
| 2004 Mar | DAR Long | NA | NA | 2.752709 | 2.520472 |
| 2004 Apr | DAR Long | NA | NA | 3.141327 | 2.876303 |
| 2004 May | DAR Long | NA | NA | 3.368021 | 3.083872 |
| 2005 Mar | DAR Long | 1.624542 | 1.233265 | NA | NA |
| 2005 May | DAR Long | NA | NA | 1.327777 | 1.215757 |
| 2010 Apr | DAR Long | 1.479212 | NA | NA | NA |
| 2011 Mar | DAR Long | 1.437912 | NA | NA | NA |
| 2011 Apr | DAR Long | 1.629449 | NA | NA | NA |
| 2012 Mar | DAR Long | 1.299931 | NA | NA | NA |
| 2012 Apr | DAR Long | 1.411134 | NA | NA | NA |
| 2012 May | DAR Long | 1.517693 | NA | NA | NA |
| 2014 Mar | DAR Long | 1.712012 | 1.232620 | NA | NA |
| 2014 Apr | DAR Long | 2.789885 | 2.097676 | NA | NA |
| 2014 May | DAR Long | 3.320959 | 2.477183 | NA | NA |
| 2015 Mar | DAR Long | 1.770482 | 1.335696 | NA | NA |
| 2015 Apr | DAR Long | 2.661019 | 1.759752 | NA | NA |
| 2016 Feb | DAR Long | 1.392839 | NA | NA | NA |
| 2016 Mar | DAR Long | 2.689077 | 1.860680 | NA | NA |
| 2016 Apr | DAR Long | 3.744282 | 2.628068 | NA | NA |
| 2016 May | DAR Long | 3.934710 | NA | NA | NA |
| 2016 Jun | DAR Long | 4.070914 | NA | NA | NA |
| 2019 Apr | DAR Long | 1.175415 | NA | NA | NA |
| 2019 May | DAR Long | 1.537455 | NA | NA | NA |
| 2020 Mar | DAR Long | 1.445795 | NA | NA | NA |
| 2020 Apr | DAR Long | 2.596334 | 1.605311 | NA | NA |



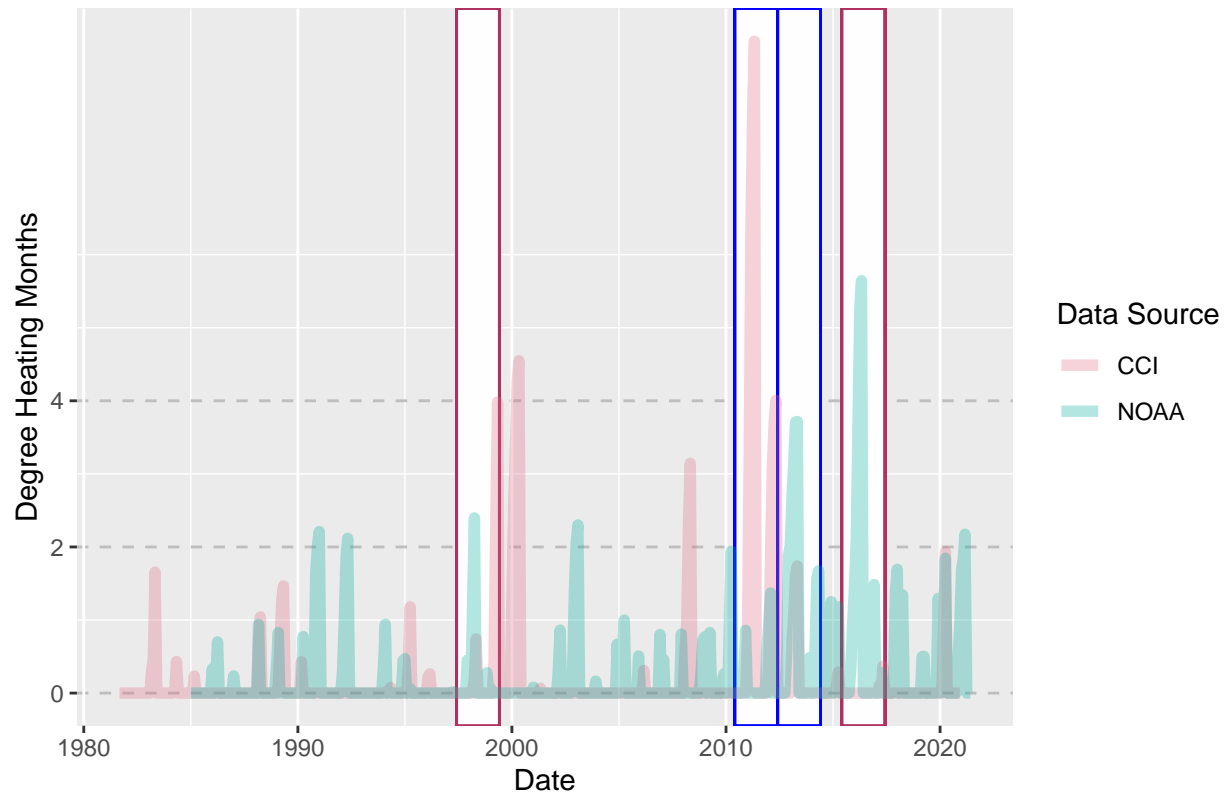
SCOTT_RPO_1 Degree Heating Months Time Series

\begin{table} \caption{Degree Heating Month values in SCOTT_RPO_1 from CCI (left) and NOAA (right)}

| Date | DHM value | Date | DHM value |
|----------|-----------|----------|-----------|
| 2011-May | 8.9216712 | 2016-May | 5.6440170 |
| 2011-Apr | 7.9922101 | 2016-Apr | 5.2728466 |
| 2011-Mar | 6.3379939 | 2013-May | 3.7172995 |
| 2000-May | 4.5487244 | 2013-Apr | 3.7090323 |
| 2000-Apr | 4.2786143 | 2016-Mar | 3.6348375 |
| 2012-May | 4.0057916 | 2013-Mar | 3.1490232 |
| 1999-May | 3.9830644 | 2013-Feb | 2.7172077 |
| 2012-Apr | 3.7172991 | 1998-Apr | 2.3973729 |
| 2000-Mar | 3.3710665 | 2003-Feb | 2.3024189 |
| 2011-Feb | 3.3536937 | 1991-Jan | 2.2112854 |
| 2008-May | 3.1441705 | 2021-Mar | 2.1741346 |
| 2012-Mar | 3.0750824 | 2016-Feb | 2.1268929 |
| 2000-Feb | 2.5996668 | 1992-May | 2.1183134 |
| 1999-Apr | 2.3861819 | 2003-Jan | 2.0571241 |
| 2008-Apr | 2.3421272 | 1990-Dec | 2.0210827 |
| 2012-Feb | 1.9565885 | 2013-Jan | 2.0179843 |
| 2020-Apr | 1.9366954 | 2010-Apr | 1.9427477 |
| 2013-May | 1.7396613 | 2012-Dec | 1.8835881 |
| 1983-May | 1.6568706 | 1992-Apr | 1.8513365 |
| 2013-Apr | 1.6147134 | 2020-Apr | 1.8467600 |
| 1989-May | 1.4663243 | 2021-Feb | 1.8358674 |
| 2000-Jan | 1.3162369 | 2018-Jan | 1.6949950 |
| 1989-Apr | 1.2778330 | 2021-Jan | 1.6877155 |
| 1995-Apr | 1.1815256 | 2014-May | 1.6748553 |
| 2013-Mar | 1.0701682 | 1990-Nov | 1.6370091 |
| 1988-Apr | 1.0421725 | 2014-Apr | 1.5852978 |
| 2008-Mar | 0.9485789 | 2016-Dec | 1.4866096 |
| 2020-Mar | 0.8588158 | 2016-Jan | 1.4426079 |
| 1998-May | 0.7425296 | 2017-Dec | 1.3935021 |
| 2011-Jan | 0.7275272 | 2002-Dec | 1.3756311 |
| 2013-Feb | 0.7197388 | 2012-Feb | 1.3711752 |
| 1988-Mar | 0.6946244 | 2018-Apr | 1.3443730 |
| 1989-Mar | 0.6749514 | 2019-Dec | 1.2969429 |
| 2008-Feb | 0.5965350 | 1998-Mar | 1.2873638 |
| 1983-Apr | 0.4686982 | 2014-Dec | 1.2524483 |
| 2012-Jan | 0.4359160 | 2015-Apr | 1.1816271 |
| 1984-May | 0.4327731 | 2010-Mar | 1.0104053 |
| 1990-Mar | 0.4291392 | 2005-Apr | 0.9998038 |
| 1999-Mar | 0.4243016 | 1992-Mar | 0.9603274 |
| 2017-May | 0.3694625 | 2012-Jan | 0.9513730 |
| 1995-Mar | 0.3639772 | 2015-Dec | 0.9495021 |
| 2006-Mar | 0.3094610 | 1994-Feb | 0.9424445 |
| 1983-Mar | 0.2988183 | 1988-Mar | 0.9421381 |
| 2015-Apr | 0.2890034 | 2020-Dec | 0.8888031 |
| 1996-Mar | 0.2642276 | 2002-Apr | 0.8622117 |
| 1985-Mar | 0.2336544 | 2010-Dec | 0.8594268 |
| 1996-Feb | 0.2241216 | 1989-Feb | 0.8294606 |
| 1998-Apr | 0.2085487 | 2009-Apr | 0.8288892 |
| 2017-Mar | 0.1059137 | 2007-Dec | 0.8079446 |
| 1989-Feb | 0.1058123 | 2006-Dec | 0.8021381 |
| 2015-Mar | 0.0997866 | 2020-Mar | 0.8014175 |
| 1994-May | 0.0784518 | 1990-Apr | 0.7737494 |
| 2001-May | 0.0668837 | 2009-Jan | 0.7698875 |
| 1994-Apr | 0.0422137 | 2015-Mar | 0.7379514 |
| 1984-Apr | 0.0362129 | 2008-Dec | 0.7258139 |
| 1981-Sep | 0.0000000 | 1986-Apr | 0.7006634 |
| 1981-Oct | 0.0000000 | 2016-Nov | 0.6883424 |

\end{table}

SCOTT_RPO_1 Degree Heating Month values time plot



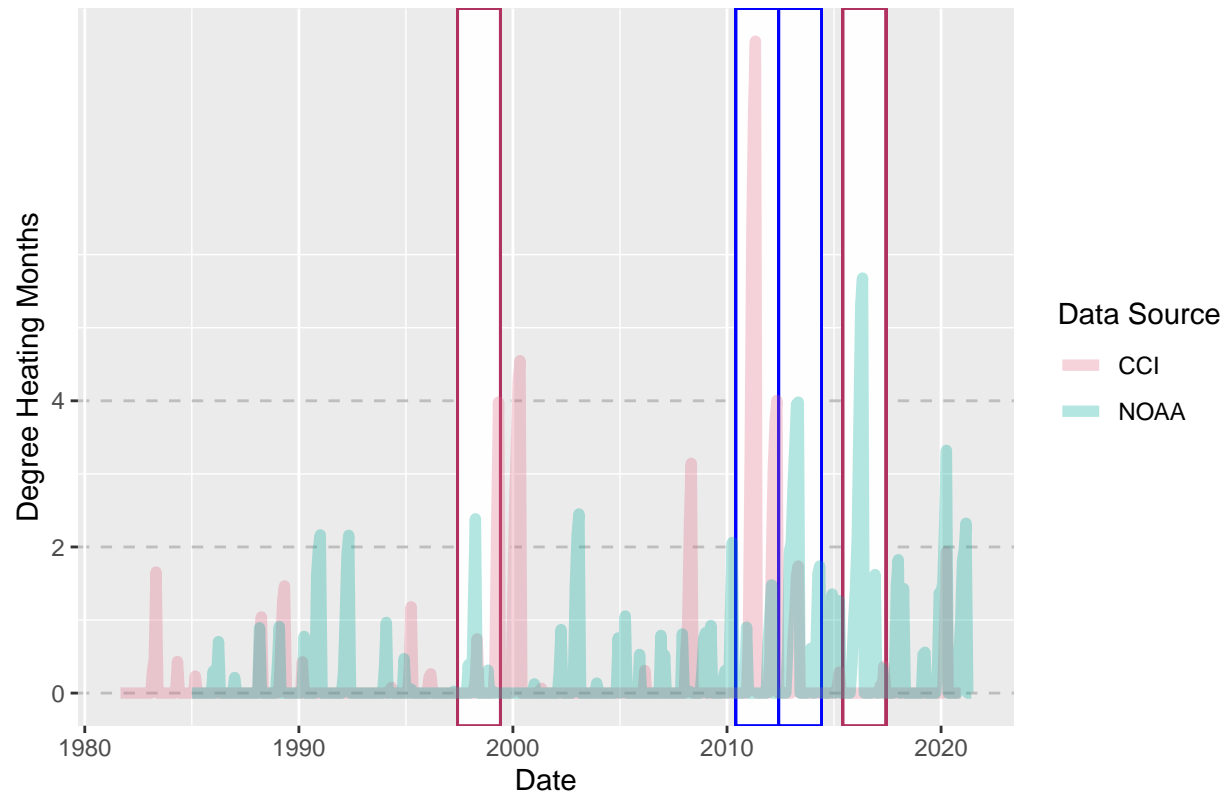
SCOTT_SL4 Degree Heating Months Time Series

\begin{table} \caption{Degree Heating Month values in SCOTT_SL4 from CCI (left) and NOAA (right)}

| Date | DHM value | Date | DHM value |
|----------|-----------|----------|-----------|
| 2011-May | 8.9216712 | 2016-May | 5.6795685 |
| 2011-Apr | 7.9922101 | 2016-Apr | 5.3197732 |
| 2011-Mar | 6.3379939 | 2013-May | 3.9826668 |
| 2000-May | 4.5487244 | 2013-Apr | 3.9548070 |
| 2000-Apr | 4.2786143 | 2016-Mar | 3.6815370 |
| 2012-May | 4.0057916 | 2013-Mar | 3.3265709 |
| 1999-May | 3.9830644 | 2020-Apr | 3.3217565 |
| 2012-Apr | 3.7172991 | 2013-Feb | 2.8335498 |
| 2000-Mar | 3.3710665 | 2003-Feb | 2.4512818 |
| 2011-Feb | 3.3536937 | 1998-Apr | 2.3854911 |
| 2008-May | 3.1441705 | 2021-Mar | 2.3251462 |
| 2012-Mar | 3.0750824 | 2020-Mar | 2.2458537 |
| 2000-Feb | 2.5996668 | 2003-Jan | 2.1657837 |
| 1999-Apr | 2.3861819 | 1991-Jan | 2.1655902 |
| 2008-Apr | 2.3421272 | 1992-May | 2.1594526 |
| 2012-Feb | 1.9565885 | 2016-Feb | 2.1407740 |
| 2020-Apr | 1.9366954 | 2010-Apr | 2.0613482 |
| 2013-May | 1.7396613 | 2013-Jan | 2.0598375 |
| 1983-May | 1.6568706 | 1990-Dec | 1.9851497 |
| 2013-Apr | 1.6147134 | 2021-Feb | 1.9627702 |
| 1989-May | 1.4663243 | 2012-Dec | 1.9352035 |
| 2000-Jan | 1.3162369 | 1992-Apr | 1.8886895 |
| 1989-Apr | 1.2778330 | 2018-Jan | 1.8260095 |
| 1995-Apr | 1.1815256 | 2021-Jan | 1.8065579 |
| 2013-Mar | 1.0701682 | 2014-May | 1.7391816 |
| 1988-Apr | 1.0421725 | 2014-Apr | 1.6322895 |
| 2008-Mar | 0.9485789 | 2016-Dec | 1.6227519 |
| 2020-Mar | 0.8588158 | 1990-Nov | 1.6189028 |
| 1998-May | 0.7425296 | 2020-Feb | 1.5060584 |
| 2011-Jan | 0.7275272 | 2012-Feb | 1.4821667 |
| 2013-Feb | 0.7197388 | 2017-Dec | 1.4797626 |
| 1988-Mar | 0.6946244 | 2002-Dec | 1.4650207 |
| 1989-Mar | 0.6749514 | 2018-Apr | 1.4315906 |
| 2008-Feb | 0.5965350 | 2016-Jan | 1.4235149 |
| 1983-Apr | 0.4686982 | 2020-Jan | 1.3715579 |
| 2012-Jan | 0.4359160 | 2019-Dec | 1.3698271 |
| 1984-May | 0.4327731 | 2014-Dec | 1.3556658 |
| 1990-Mar | 0.4291392 | 1998-Mar | 1.2885883 |
| 1999-Mar | 0.4243016 | 2015-Apr | 1.2644980 |
| 2017-May | 0.3694625 | 2010-Mar | 1.1064454 |
| 1995-Mar | 0.3639772 | 2005-Apr | 1.0553067 |
| 2006-Mar | 0.3094610 | 2012-Jan | 1.0224938 |
| 1983-Mar | 0.2988183 | 1992-Mar | 0.9961200 |
| 2015-Apr | 0.2890034 | 2020-Dec | 0.9706336 |
| 1996-Mar | 0.2642276 | 1994-Feb | 0.9677127 |
| 1985-Mar | 0.2336544 | 2015-Dec | 0.9559777 |
| 1996-Feb | 0.2241216 | 2009-Apr | 0.9265798 |
| 1998-Apr | 0.2085487 | 1989-Feb | 0.9115721 |
| 2017-Mar | 0.1059137 | 2010-Dec | 0.9029669 |
| 1989-Feb | 0.1058123 | 1988-Mar | 0.8949566 |
| 2015-Mar | 0.0997866 | 2002-Apr | 0.8697519 |
| 1994-May | 0.0784518 | 2009-Jan | 0.8273644 |
| 2001-May | 0.0668837 | 2007-Dec | 0.8097953 |
| 1994-Apr | 0.0422137 | 2015-Mar | 0.8015952 |
| 1984-Apr | 0.0362129 | 2006-Dec | 0.7894727 |
| 1981-Sep | 0.0000000 | 2016-Nov | 0.7845695 |
| 1981-Oct | 0.0000000 | 1990-Apr | 0.7766766 |

\end{table}

SCOTT_SL4 Degree Heating Month values time plot

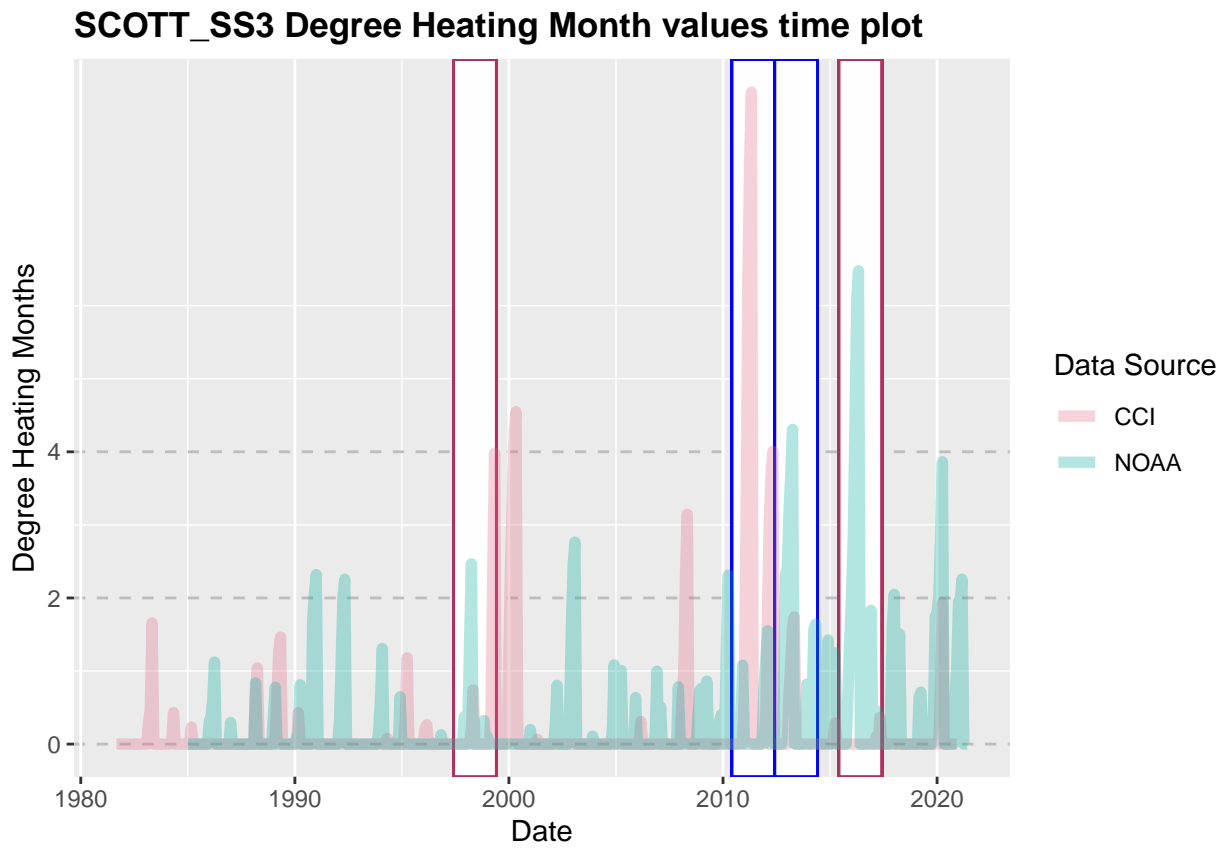


SCOTT_SS3 Degree Heating Months Time Series

\begin{table} \caption{Degree Heating Month values in SCOTT_SS3 from CCI (left) and NOAA (right)}

| Date | DHM value | Date | DHM value |
|----------|-----------|----------|-----------|
| 2011-May | 8.9216712 | 2016-May | 6.4767806 |
| 2011-Apr | 7.9922101 | 2016-Apr | 6.0942372 |
| 2011-Mar | 6.3379939 | 2016-Mar | 4.4121776 |
| 2000-May | 4.5487244 | 2013-Apr | 4.3079664 |
| 2000-Apr | 4.2786143 | 2020-Apr | 3.8639502 |
| 2012-May | 4.0057916 | 2013-Mar | 3.6632402 |
| 1999-May | 3.9830644 | 2013-Feb | 3.1955354 |
| 2012-Apr | 3.7172991 | 2020-Mar | 2.8405573 |
| 2000-Mar | 3.3710665 | 2016-Feb | 2.8257632 |
| 2011-Feb | 3.3536937 | 2003-Feb | 2.7643427 |
| 2008-May | 3.1441705 | 1998-Apr | 2.4671671 |
| 2012-Mar | 3.0750824 | 2003-Jan | 2.4544260 |
| 2000-Feb | 2.5996668 | 2013-Jan | 2.4174045 |
| 1999-Apr | 2.3861819 | 1991-Jan | 2.3191249 |
| 2008-Apr | 2.3421272 | 2010-Apr | 2.3139029 |
| 2012-Feb | 1.9565885 | 2012-Dec | 2.3113127 |
| 2020-Apr | 1.9366954 | 2021-Mar | 2.2571081 |
| 2013-May | 1.7396613 | 1992-May | 2.2554281 |
| 1983-May | 1.6568706 | 1990-Dec | 2.0781944 |
| 2013-Apr | 1.6147134 | 2018-Jan | 2.0486625 |
| 1989-May | 1.4663243 | 2020-Feb | 2.0447881 |
| 2000-Jan | 1.3162369 | 1992-Apr | 2.0212717 |
| 1989-Apr | 1.2778330 | 2016-Jan | 2.0045658 |
| 1995-Apr | 1.1815256 | 2021-Feb | 1.9748872 |
| 2013-Mar | 1.0701682 | 2021-Jan | 1.9438991 |
| 1988-Apr | 1.0421725 | 2016-Dec | 1.8314094 |
| 2008-Mar | 0.9485789 | 2020-Jan | 1.7970389 |
| 2020-Mar | 0.8588158 | 2019-Dec | 1.7483664 |
| 1998-May | 0.7425296 | 1990-Nov | 1.6933929 |
| 2011-Jan | 0.7275272 | 2017-Dec | 1.6596675 |
| 2013-Feb | 0.7197388 | 2014-May | 1.6426410 |
| 1988-Mar | 0.6946244 | 2002-Dec | 1.5909148 |
| 1989-Mar | 0.6749514 | 2014-Apr | 1.5765492 |
| 2008-Feb | 0.5965350 | 2012-Feb | 1.5515975 |
| 1983-Apr | 0.4686982 | 2018-Apr | 1.5067213 |
| 2012-Jan | 0.4359160 | 2014-Dec | 1.4243772 |
| 1984-May | 0.4327731 | 1998-Mar | 1.4191076 |
| 1990-Mar | 0.4291392 | 2015-Dec | 1.3975062 |
| 1999-Mar | 0.4243016 | 2010-Mar | 1.3391767 |
| 2017-May | 0.3694625 | 1994-Feb | 1.3096694 |
| 1995-Mar | 0.3639772 | 2015-Apr | 1.2488031 |
| 2006-Mar | 0.3094610 | 2012-Jan | 1.1724690 |
| 1983-Mar | 0.2988183 | 1992-Mar | 1.1378788 |
| 2015-Apr | 0.2890034 | 1986-Apr | 1.1228911 |
| 1996-Mar | 0.2642276 | 2004-Dec | 1.0841514 |
| 1985-Mar | 0.2336544 | 2010-Dec | 1.0799578 |
| 1996-Feb | 0.2241216 | 2020-Dec | 1.0549041 |
| 1998-Apr | 0.2085487 | 2005-Apr | 1.0067823 |
| 2017-Mar | 0.1059137 | 2006-Dec | 0.9981406 |
| 1989-Feb | 0.1058123 | 2012-Nov | 0.9400596 |
| 2015-Mar | 0.0997866 | 2016-Nov | 0.9330596 |
| 1994-May | 0.0784518 | 2009-Apr | 0.8624739 |
| 2001-May | 0.0668837 | 1988-Mar | 0.8360918 |
| 1994-Apr | 0.0422137 | 2013-Dec | 0.8222266 |
| 1984-Apr | 0.0362129 | 1990-Apr | 0.8118161 |
| 1981-Sep | 0.0000000 | 2002-Apr | 0.8056030 |
| 1981-Oct | 0.0000000 | 2007-Dec | 0.7835112 |

\end{table}



SCOTTNR1 Degree Heating Months Time Series

SCOTTNR1 Degree Heating Month values time plot

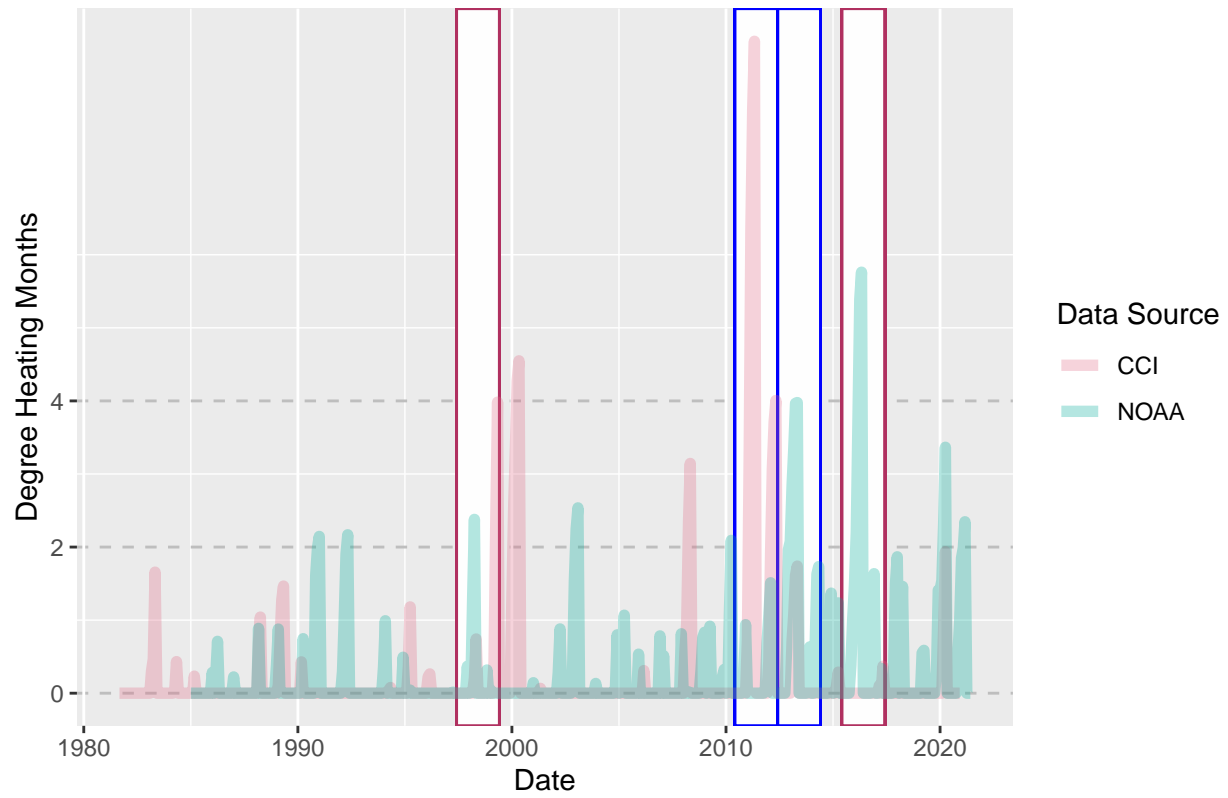


Table 5: Degree Heating Month values in SCOTTNR1 from CCI (left) and NOAA (right)

| Date | DHM value | Date | DHM value |
|----------|-----------|----------|-----------|
| 2011-May | 8.9216712 | 2016-May | 5.7619588 |
| 2011-Apr | 7.9922101 | 2016-Apr | 5.3952942 |
| 2011-Mar | 6.3379939 | 2013-May | 3.9777275 |
| 2000-May | 4.5487244 | 2013-Apr | 3.9671919 |
| 2000-Apr | 4.2786143 | 2016-Mar | 3.7555866 |
| 2012-May | 4.0057916 | 2020-Apr | 3.3660940 |
| 1999-May | 3.9830644 | 2013-Mar | 3.3371510 |
| 2012-Apr | 3.7172991 | 2013-Feb | 2.8424218 |
| 2000-Mar | 3.3710665 | 2003-Feb | 2.5365232 |
| 2011-Feb | 3.3536937 | 1998-Apr | 2.3789869 |
| 2008-May | 3.1441705 | 2021-Mar | 2.3466963 |
| 2012-Mar | 3.0750824 | 2020-Mar | 2.2943864 |
| 2000-Feb | 2.5996668 | 2003-Jan | 2.2454347 |
| 1999-Apr | 2.3861819 | 2016-Feb | 2.2037607 |
| 2008-Apr | 2.3421272 | 1992-May | 2.1683918 |
| 2012-Feb | 1.9565885 | 1991-Jan | 2.1458110 |
| 2020-Apr | 1.9366954 | 2010-Apr | 2.0918863 |
| 2013-May | 1.7396613 | 2013-Jan | 2.0770476 |
| 1983-May | 1.6568706 | 2021-Feb | 1.9922897 |
| 2013-Apr | 1.6147134 | 1990-Dec | 1.9855980 |
| 1989-May | 1.4663243 | 2012-Dec | 1.9661894 |
| 2000-Jan | 1.3162369 | 1992-Apr | 1.8997917 |
| 1989-Apr | 1.2778330 | 2018-Jan | 1.8671873 |
| 1995-Apr | 1.1815256 | 2021-Jan | 1.8490583 |
| 2013-Mar | 1.0701682 | 2014-May | 1.7332734 |
| 1988-Apr | 1.0421725 | 2016-Dec | 1.6361787 |
| 2008-Mar | 0.9485789 | 2014-Apr | 1.6301572 |
| 2020-Mar | 0.8588158 | 1990-Nov | 1.6157076 |
| 1998-May | 0.7425296 | 2020-Feb | 1.5425605 |
| 2011-Jan | 0.7275272 | 2002-Dec | 1.5339313 |
| 2013-Feb | 0.7197388 | 2012-Feb | 1.5116347 |
| 1988-Mar | 0.6946244 | 2017-Dec | 1.5069744 |
| 1989-Mar | 0.6749514 | 2016-Jan | 1.4808002 |
| 2008-Feb | 0.5965350 | 2018-Apr | 1.4612754 |
| 1983-Apr | 0.4686982 | 2020-Jan | 1.4127035 |
| 2012-Jan | 0.4359160 | 2019-Dec | 1.4105550 |
| 1984-May | 0.4327731 | 2014-Dec | 1.3696733 |
| 1990-Mar | 0.4291392 | 1998-Mar | 1.2916126 |
| 1999-Mar | 0.4243016 | 2015-Apr | 1.2367135 |
| 2017-May | 0.3694625 | 2010-Mar | 1.1378453 |
| 1995-Mar | 0.3639772 | 2005-Apr | 1.0678801 |
| 2006-Mar | 0.3094610 | 2012-Jan | 1.0472949 |
| 1983-Mar | 0.2988183 | 1992-Mar | 1.0127508 |
| 2015-Apr | 0.2890034 | 2015-Dec | 0.9983292 |
| 1996-Mar | 0.2642276 | 2020-Dec | 0.9959421 |
| 1985-Mar | 0.2336544 | 1994-Feb | 0.9919467 |
| 1996-Feb | 0.2241216 | 2010-Dec | 0.9384690 |
| 1998-Apr | 0.2085487 | 2009-Apr | 0.9176195 |
| 2017-Mar | 0.1059137 | 1988-Mar | 0.8876323 |
| 1989-Feb | 0.1058123 | 2002-Apr | 0.8798238 |
| 2015-Mar | 0.0997866 | 1989-Feb | 0.8781679 |
| 1994-May | 0.0784518 | 2009-Jan | 0.8344239 |
| 2001-May | 0.0668837 | 2007-Dec | 0.8134388 |
| 1994-Apr | 0.0422137 | 2016-Nov | 0.8037076 |
| 1984-Apr | 0.0362129 | 2004-Dec | 0.7991249 |

SCOTTSL1 Degree Heating Months Time Series

SCOTTSL1 Degree Heating Month values time plot

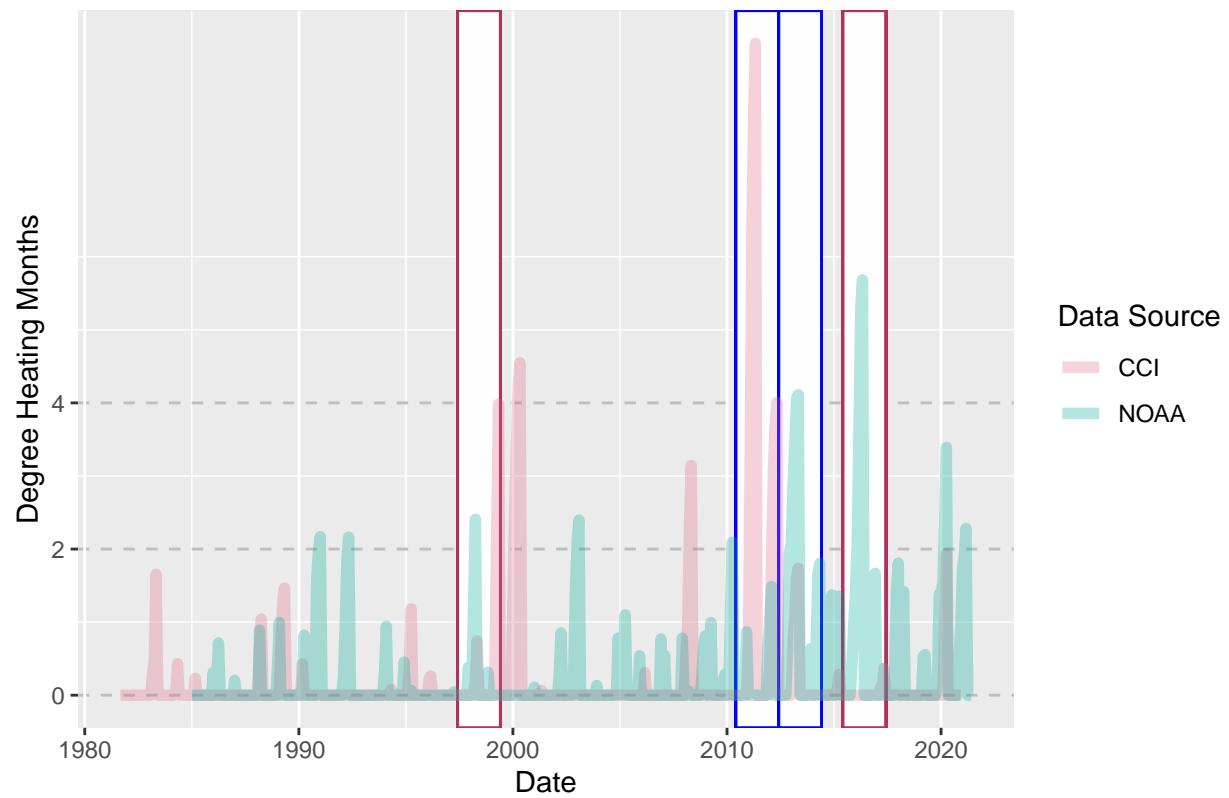


Table 6: Degree Heating Month values in SCOTTSL1 from CCI (left) and NOAA (right)

| Date | DHM value | Date | DHM value |
|----------|-----------|----------|-----------|
| 2011-May | 8.9216712 | 2016-May | 5.6842482 |
| 2011-Apr | 7.9922101 | 2016-Apr | 5.3105778 |
| 2011-Mar | 6.3379939 | 2013-May | 4.1132273 |
| 2000-May | 4.5487244 | 2013-Apr | 4.0592343 |
| 2000-Apr | 4.2786143 | 2016-Mar | 3.6621654 |
| 2012-May | 4.0057916 | 2013-Mar | 3.4071553 |
| 1999-May | 3.9830644 | 2020-Apr | 3.3922926 |
| 2012-Apr | 3.7172991 | 2013-Feb | 2.8950978 |
| 2000-Mar | 3.3710665 | 1998-Apr | 2.4071341 |
| 2011-Feb | 3.3536937 | 2003-Feb | 2.3953490 |
| 2008-May | 3.1441705 | 2020-Mar | 2.2932136 |
| 2012-Mar | 3.0750824 | 2021-Mar | 2.2819487 |
| 2000-Feb | 2.5996668 | 1991-Jan | 2.1702800 |
| 1999-Apr | 2.3861819 | 1992-May | 2.1640664 |
| 2008-Apr | 2.3421272 | 2003-Jan | 2.1171510 |
| 2012-Feb | 1.9565885 | 2016-Feb | 2.1146241 |
| 2020-Apr | 1.9366954 | 2010-Apr | 2.0920741 |
| 2013-May | 1.7396613 | 2013-Jan | 2.0908284 |
| 1983-May | 1.6568706 | 1990-Dec | 1.9672548 |
| 2013-Apr | 1.6147134 | 2012-Dec | 1.9397386 |
| 1989-May | 1.4663243 | 2021-Feb | 1.9037622 |
| 2000-Jan | 1.3162369 | 1992-Apr | 1.8836218 |
| 1989-Apr | 1.2778330 | 2018-Jan | 1.8083122 |
| 1995-Apr | 1.1815256 | 2014-May | 1.8031617 |
| 2013-Mar | 1.0701682 | 2021-Jan | 1.7348499 |
| 1988-Apr | 1.0421725 | 2016-Dec | 1.6692548 |
| 2008-Mar | 0.9485789 | 2014-Apr | 1.6659429 |
| 2020-Mar | 0.8588158 | 1990-Nov | 1.6187457 |
| 1998-May | 0.7425296 | 2020-Feb | 1.5414787 |
| 2011-Jan | 0.7275272 | 2012-Feb | 1.4885195 |
| 2013-Feb | 0.7197388 | 2017-Dec | 1.4665773 |
| 1988-Mar | 0.6946244 | 2002-Dec | 1.4331580 |
| 1989-Mar | 0.6749514 | 2018-Apr | 1.4207924 |
| 2008-Feb | 0.5965350 | 2016-Jan | 1.3949359 |
| 1983-Apr | 0.4686982 | 2020-Jan | 1.3893768 |
| 2012-Jan | 0.4359160 | 2019-Dec | 1.3818354 |
| 1984-May | 0.4327731 | 2014-Dec | 1.3759429 |
| 1990-Mar | 0.4291392 | 2015-Apr | 1.3538576 |
| 1999-Mar | 0.4243016 | 1998-Mar | 1.2980551 |
| 2017-May | 0.3694625 | 2010-Mar | 1.1269952 |
| 1995-Mar | 0.3639772 | 2005-Apr | 1.1005411 |
| 2006-Mar | 0.3094610 | 2012-Jan | 1.0357279 |
| 1983-Mar | 0.2988183 | 1989-Feb | 0.9957970 |
| 2015-Apr | 0.2890034 | 2009-Apr | 0.9955666 |
| 1996-Mar | 0.2642276 | 1992-Mar | 0.9792095 |
| 1985-Mar | 0.2336544 | 1994-Feb | 0.9450712 |
| 1996-Feb | 0.2241216 | 2015-Dec | 0.9367494 |
| 1998-Apr | 0.2085487 | 2020-Dec | 0.9308569 |
| 2017-Mar | 0.1059137 | 1988-Mar | 0.8920575 |
| 1989-Feb | 0.1058123 | 2010-Dec | 0.8678139 |
| 2015-Mar | 0.0997866 | 2002-Apr | 0.8527386 |
| 1994-May | 0.0784518 | 2015-Mar | 0.8477786 |
| 2001-May | 0.0668837 | 1990-Apr | 0.8234483 |
| 1994-Apr | 0.0422137 | 2009-Jan | 0.8179574 |
| 1984-Apr | 0.0362129 | 2016-Nov | 0.8107457 |

SCOTTSL2 Degree Heating Months Time Series

SCOTTSL2 Degree Heating Month values time plot

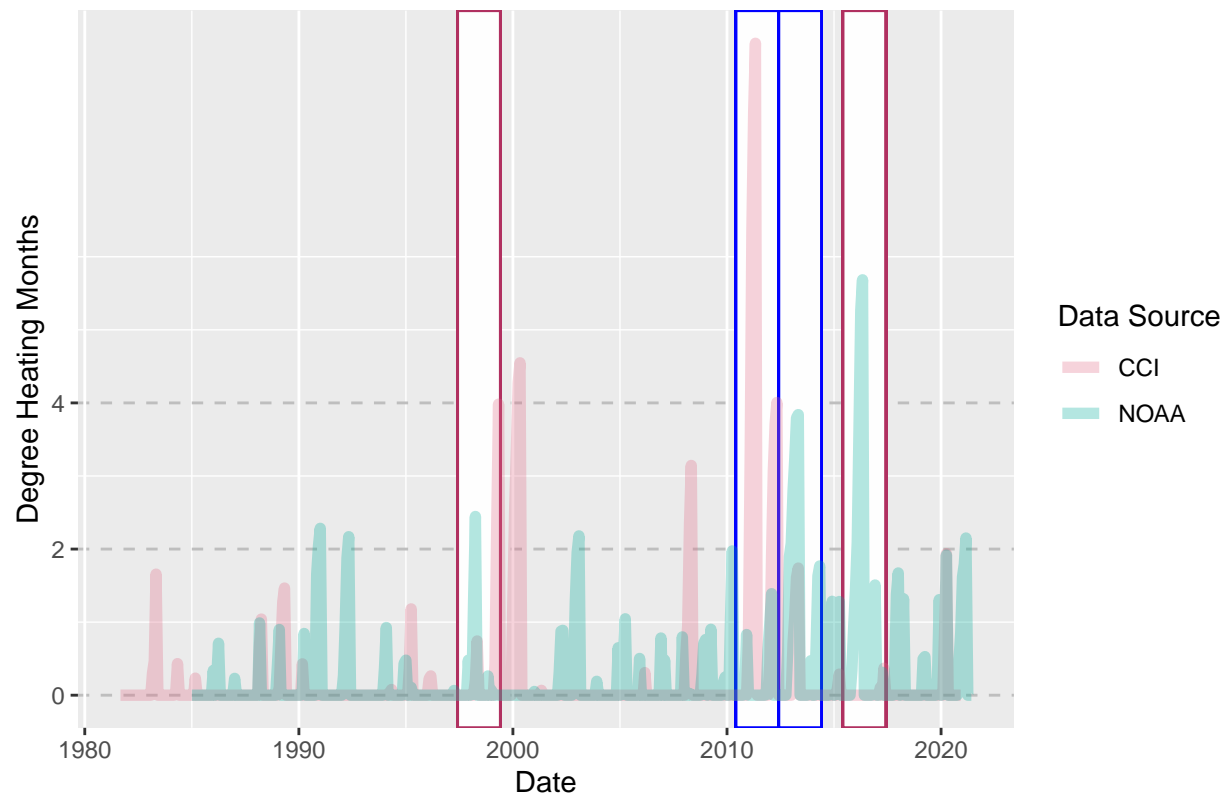


Table 7: Degree Heating Month values in SCOTTSL2 from CCI (left) and NOAA (right)

| Date | DHM value | Date | DHM value |
|----------|-------------------------|----------|-----------|
| 2011-May | 8.9216712 | 2016-May | 5.6846977 |
| 2011-Apr | 7.9922101 | 2016-Apr | 5.2700967 |
| 2011-Mar | 6.3379939 | 2013-May | 3.8401065 |
| 2000-May | 4.5487244 | 2013-Apr | 3.7964734 |
| 2000-Apr | 4.2786143 | 2016-Mar | 3.6049044 |
| 2012-May | 4.0057916 | 2013-Mar | 3.2246144 |
| 1999-May | 3.9830644 | 2013-Feb | 2.8006586 |
| 2012-Apr | 3.7172991 | 1998-Apr | 2.4463557 |
| 2000-Mar | 3.3710665 | 1991-Jan | 2.2838457 |
| 2011-Feb | 3.3536937 | 2003-Feb | 2.1806341 |
| 2008-May | 3.1441705 | 1992-May | 2.1694663 |
| 2012-Mar | 3.0750824 | 2021-Mar | 2.1513010 |
| 2000-Feb | 2.5996668 | 2016-Feb | 2.1022390 |
| 1999-Apr | 2.3861819 | 2013-Jan | 2.0809425 |
| 2008-Apr | 2.3421272 | 1990-Dec | 2.0392448 |
| 2012-Feb | 1.9565885 | 2010-Apr | 1.9745674 |
| 2020-Apr | 1.9366954 | 2003-Jan | 1.9530608 |
| 2013-May | 1.7396613 | 2020-Apr | 1.9178124 |
| 1983-May | 1.6568706 | 2012-Dec | 1.8985997 |
| 2013-Apr | 1.6147134 | 1992-Apr | 1.8771235 |
| 1989-May | 1.4663243 | 2021-Feb | 1.7957324 |
| 2000-Jan | 1.3162369 | 2014-May | 1.7687275 |
| 1989-Apr | 1.2778330 | 2018-Jan | 1.6732328 |
| 1995-Apr | 1.1815256 | 1990-Nov | 1.6581923 |
| 2013-Mar | 1.0701682 | 2014-Apr | 1.6312233 |
| 1988-Apr | 1.0421725 | 2021-Jan | 1.6195877 |
| 2008-Mar | 0.9485789 | 2016-Dec | 1.5084491 |
| 2020-Mar | 0.8588158 | 2016-Jan | 1.4319318 |
| 1998-May | 0.7425296 | 2012-Feb | 1.3896269 |
| 2011-Jan | 0.7275272 | 2017-Dec | 1.3808900 |
| 2013-Feb | 0.7197388 | 2018-Apr | 1.3194706 |
| 1988-Mar | 0.6946244 | 2019-Dec | 1.3080835 |
| 1989-Mar | 0.6749514 | 1998-Mar | 1.3074968 |
| 2008-Feb | 0.5965350 | 2002-Dec | 1.2997502 |
| 1983-Apr | 0.4686982 | 2014-Dec | 1.2852986 |
| 2012-Jan | 0.4359160 | 2015-Apr | 1.2823250 |
| 1984-May | 0.4327731 | 2005-Apr | 1.0459725 |
| 1990-Mar | 0.4291392 | 2010-Mar | 1.0313751 |
| 1999-Mar | 0.4243016 | 1988-Mar | 0.9894396 |
| 2017-May | 0.3694625 | 2012-Jan | 0.9789748 |
| 1995-Mar | 0.3639772 | 1992-Mar | 0.9555978 |
| 2006-Mar | 0.3094610 | 1994-Feb | 0.9266788 |
| 1983-Mar | 0.2988183 | 2015-Dec | 0.9215244 |
| 2015-Apr | 0.2890034 | 2009-Apr | 0.9026534 |
| 1996-Mar | 0.2642276 | 1989-Feb | 0.8996511 |
| 1985-Mar | 0.2336544 | 2002-May | 0.8880931 |
| 1996-Feb | 0.2241216 | 2002-Apr | 0.8770405 |
| 1998-Apr | 0.2085487 | 2020-Dec | 0.8495029 |
| 2017-Mar | 0.1059137 | 2020-Mar | 0.8456201 |
| 1989-Feb | 0.1058123 | 1990-Apr | 0.8449868 |
| 2015-Mar | 0.0997866 | 2010-Dec | 0.8309007 |
| 1994-May | 0.0784518 ⁴⁷ | 2007-Dec | 0.7981493 |
| 2001-May | 0.0668837 | 2015-Mar | 0.7891327 |
| 1994-Apr | 0.0422137 | 2006-Dec | 0.7829880 |
| 1984-Apr | 0.0362129 | 2009-Jan | 0.7622758 |

SCOTTSL3 Degree Heating Months Time Series

SCOTTSL3 Degree Heating Month values time plot

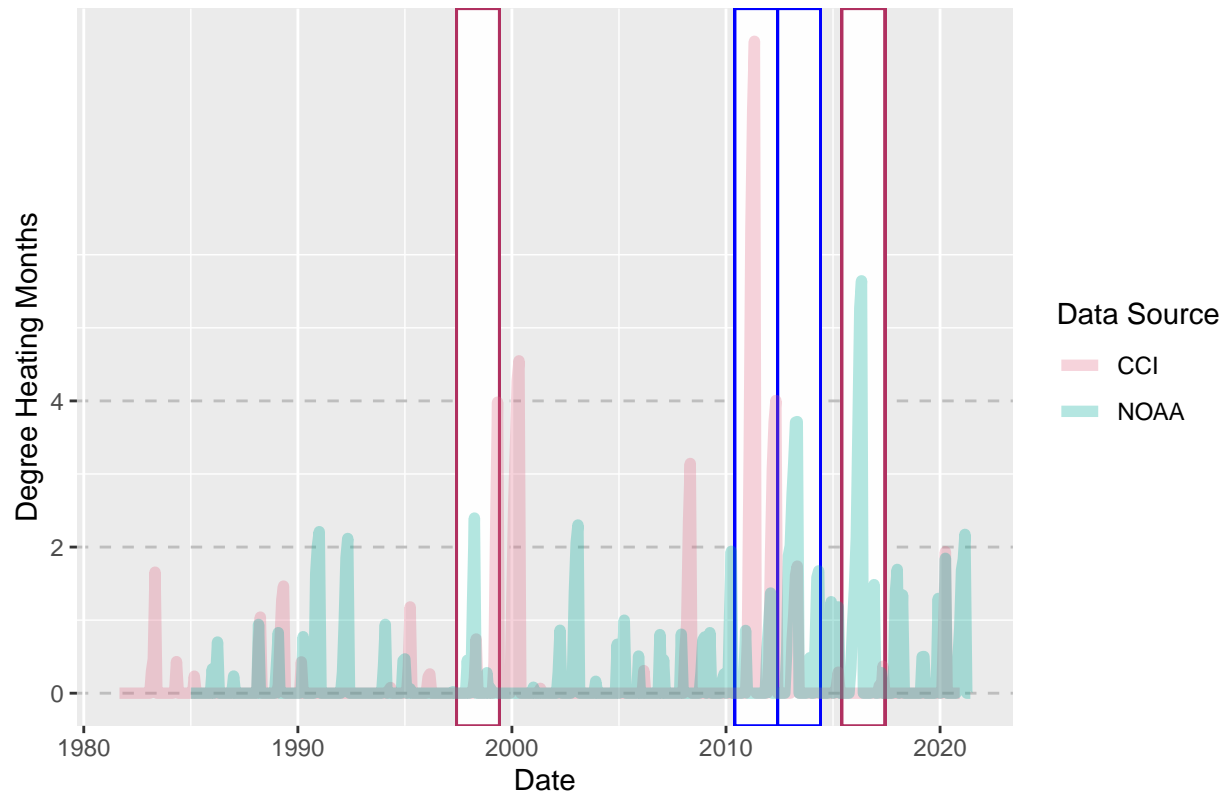


Table 8: Degree Heating Month values in SCOTTSL3 from CCI (left) and NOAA (right)

| Date | DHM value | Date | DHM value |
|----------|-----------|----------|-----------|
| 2011-May | 8.9216712 | 2016-May | 5.6440170 |
| 2011-Apr | 7.9922101 | 2016-Apr | 5.2728466 |
| 2011-Mar | 6.3379939 | 2013-May | 3.7172995 |
| 2000-May | 4.5487244 | 2013-Apr | 3.7090323 |
| 2000-Apr | 4.2786143 | 2016-Mar | 3.6348375 |
| 2012-May | 4.0057916 | 2013-Mar | 3.1490232 |
| 1999-May | 3.9830644 | 2013-Feb | 2.7172077 |
| 2012-Apr | 3.7172991 | 1998-Apr | 2.3973729 |
| 2000-Mar | 3.3710665 | 2003-Feb | 2.3024189 |
| 2011-Feb | 3.3536937 | 1991-Jan | 2.2112854 |
| 2008-May | 3.1441705 | 2021-Mar | 2.1741346 |
| 2012-Mar | 3.0750824 | 2016-Feb | 2.1268929 |
| 2000-Feb | 2.5996668 | 1992-May | 2.1183134 |
| 1999-Apr | 2.3861819 | 2003-Jan | 2.0571241 |
| 2008-Apr | 2.3421272 | 1990-Dec | 2.0210827 |
| 2012-Feb | 1.9565885 | 2013-Jan | 2.0179843 |
| 2020-Apr | 1.9366954 | 2010-Apr | 1.9427477 |
| 2013-May | 1.7396613 | 2012-Dec | 1.8835881 |
| 1983-May | 1.6568706 | 1992-Apr | 1.8513365 |
| 2013-Apr | 1.6147134 | 2020-Apr | 1.8467600 |
| 1989-May | 1.4663243 | 2021-Feb | 1.8358674 |
| 2000-Jan | 1.3162369 | 2018-Jan | 1.6949950 |
| 1989-Apr | 1.2778330 | 2021-Jan | 1.6877155 |
| 1995-Apr | 1.1815256 | 2014-May | 1.6748553 |
| 2013-Mar | 1.0701682 | 1990-Nov | 1.6370091 |
| 1988-Apr | 1.0421725 | 2014-Apr | 1.5852978 |
| 2008-Mar | 0.9485789 | 2016-Dec | 1.4866096 |
| 2020-Mar | 0.8588158 | 2016-Jan | 1.4426079 |
| 1998-May | 0.7425296 | 2017-Dec | 1.3935021 |
| 2011-Jan | 0.7275272 | 2002-Dec | 1.3756311 |
| 2013-Feb | 0.7197388 | 2012-Feb | 1.3711752 |
| 1988-Mar | 0.6946244 | 2018-Apr | 1.3443730 |
| 1989-Mar | 0.6749514 | 2019-Dec | 1.2969429 |
| 2008-Feb | 0.5965350 | 1998-Mar | 1.2873638 |
| 1983-Apr | 0.4686982 | 2014-Dec | 1.2524483 |
| 2012-Jan | 0.4359160 | 2015-Apr | 1.1816271 |
| 1984-May | 0.4327731 | 2010-Mar | 1.0104053 |
| 1990-Mar | 0.4291392 | 2005-Apr | 0.9998038 |
| 1999-Mar | 0.4243016 | 1992-Mar | 0.9603274 |
| 2017-May | 0.3694625 | 2012-Jan | 0.9513730 |
| 1995-Mar | 0.3639772 | 2015-Dec | 0.9495021 |
| 2006-Mar | 0.3094610 | 1994-Feb | 0.9424445 |
| 1983-Mar | 0.2988183 | 1988-Mar | 0.9421381 |
| 2015-Apr | 0.2890034 | 2020-Dec | 0.8888031 |
| 1996-Mar | 0.2642276 | 2002-Apr | 0.8622117 |
| 1985-Mar | 0.2336544 | 2010-Dec | 0.8594268 |
| 1996-Feb | 0.2241216 | 1989-Feb | 0.8294606 |
| 1998-Apr | 0.2085487 | 2009-Apr | 0.8288892 |
| 2017-Mar | 0.1059137 | 2007-Dec | 0.8079446 |
| 1989-Feb | 0.1058123 | 2006-Dec | 0.8021381 |
| 2015-Mar | 0.0997866 | 2020-Mar | 0.8014175 |
| 1994-May | 0.0784518 | 1990-Apr | 0.7737494 |
| 2001-May | 0.0668837 | 2009-Jan | 0.7698875 |
| 1994-Apr | 0.0422137 | 2015-Mar | 0.7379514 |
| 1984-Apr | 0.0362129 | 2008-Dec | 0.7258139 |

SCOTTSS1 Degree Heating Months Time Series

SCOTTSS1 Degree Heating Month values time plot

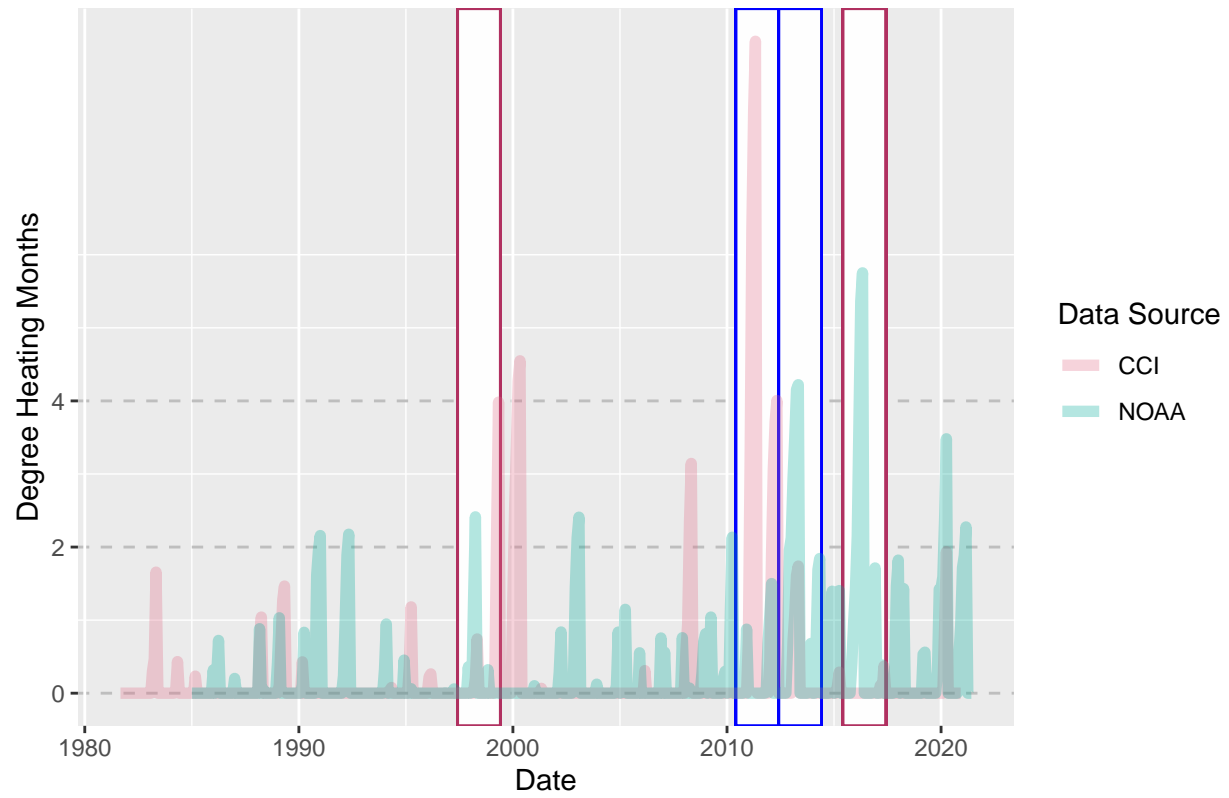


Table 9: Degree Heating Month values in SCOTTSS1 from CCI (left) and NOAA (right)

| Date | DHM value | Date | DHM value |
|----------|-----------|----------|-----------|
| 2011-May | 8.9216712 | 2016-May | 5.7525065 |
| 2011-Apr | 7.9922101 | 2016-Apr | 5.3674486 |
| 2011-Mar | 6.3379939 | 2013-May | 4.2217140 |
| 2000-May | 4.5487244 | 2013-Apr | 4.1566562 |
| 2000-Apr | 4.2786143 | 2016-Mar | 3.7113585 |
| 2012-May | 4.0057916 | 2013-Mar | 3.4838993 |
| 1999-May | 3.9830644 | 2020-Apr | 3.4818847 |
| 2012-Apr | 3.7172991 | 2013-Feb | 2.9478737 |
| 2000-Mar | 3.3710665 | 1998-Apr | 2.4137782 |
| 2011-Feb | 3.3536937 | 2003-Feb | 2.4089735 |
| 2008-May | 3.1441705 | 2020-Mar | 2.3664612 |
| 2012-Mar | 3.0750824 | 2021-Mar | 2.2752780 |
| 2000-Feb | 2.5996668 | 1992-May | 2.1757144 |
| 1999-Apr | 2.3861819 | 1991-Jan | 2.1575608 |
| 2008-Apr | 2.3421272 | 2016-Feb | 2.1498489 |
| 2012-Feb | 1.9565885 | 2010-Apr | 2.1346261 |
| 2020-Apr | 1.9366954 | 2013-Jan | 2.1259264 |
| 2013-May | 1.7396613 | 2003-Jan | 2.1248834 |
| 1983-May | 1.6568706 | 2012-Dec | 1.9599007 |
| 2013-Apr | 1.6147134 | 1990-Dec | 1.9534706 |
| 1989-May | 1.4663243 | 1992-Apr | 1.8900113 |
| 2000-Jan | 1.3162369 | 2021-Feb | 1.8847362 |
| 1989-Apr | 1.2778330 | 2014-May | 1.8430232 |
| 1995-Apr | 1.1815256 | 2018-Jan | 1.8213457 |
| 2013-Mar | 1.0701682 | 2021-Jan | 1.7174318 |
| 1988-Apr | 1.0421725 | 2016-Dec | 1.7140620 |
| 2008-Mar | 0.9485789 | 2014-Apr | 1.6892556 |
| 2020-Mar | 0.8588158 | 1990-Nov | 1.6180902 |
| 1998-May | 0.7425296 | 2020-Feb | 1.5955968 |
| 2011-Jan | 0.7275272 | 2012-Feb | 1.5007926 |
| 2013-Feb | 0.7197388 | 2017-Dec | 1.4714491 |
| 1988-Mar | 0.6946244 | 2002-Dec | 1.4485352 |
| 1989-Mar | 0.6749514 | 2020-Jan | 1.4366791 |
| 2008-Feb | 0.5965350 | 2018-Apr | 1.4314814 |
| 1983-Apr | 0.4686982 | 2019-Dec | 1.4245244 |
| 2012-Jan | 0.4359160 | 2016-Jan | 1.4236898 |
| 1984-May | 0.4327731 | 2015-Apr | 1.4048926 |
| 1990-Mar | 0.4291392 | 2014-Dec | 1.3959760 |
| 1999-Mar | 0.4243016 | 1998-Mar | 1.3040213 |
| 2017-May | 0.3694625 | 2010-Mar | 1.1678693 |
| 1995-Mar | 0.3639772 | 2005-Apr | 1.1479994 |
| 2006-Mar | 0.3094610 | 2012-Jan | 1.0508404 |
| 1983-Mar | 0.2988183 | 2009-Apr | 1.0424706 |
| 2015-Apr | 0.2890034 | 1989-Feb | 1.0325928 |
| 1996-Mar | 0.2642276 | 1992-Mar | 0.9849211 |
| 1985-Mar | 0.2336544 | 2015-Dec | 0.9634706 |
| 1996-Feb | 0.2241216 | 1994-Feb | 0.9469706 |
| 1998-Apr | 0.2085487 | 2020-Dec | 0.9236642 |
| 2017-Mar | 0.1059137 | 1988-Mar | 0.8827998 |
| 1989-Feb | 0.1058123 | 2010-Dec | 0.8766749 |
| 2015-Mar | 0.0997866 | 2015-Mar | 0.8688024 |
| 1994-May | 0.0784518 | 2016-Nov | 0.8464235 |
| 2001-May | 0.0668837 | 2002-Apr | 0.8381373 |
| 1994-Apr | 0.0422137 | 2004-Dec | 0.8362126 |
| 1984-Apr | 0.0362129 | 1990-Apr | 0.8338040 |

SCOTTSS2 Degree Heating Months Time Series

SCOTTSS2 Degree Heating Month values time plot

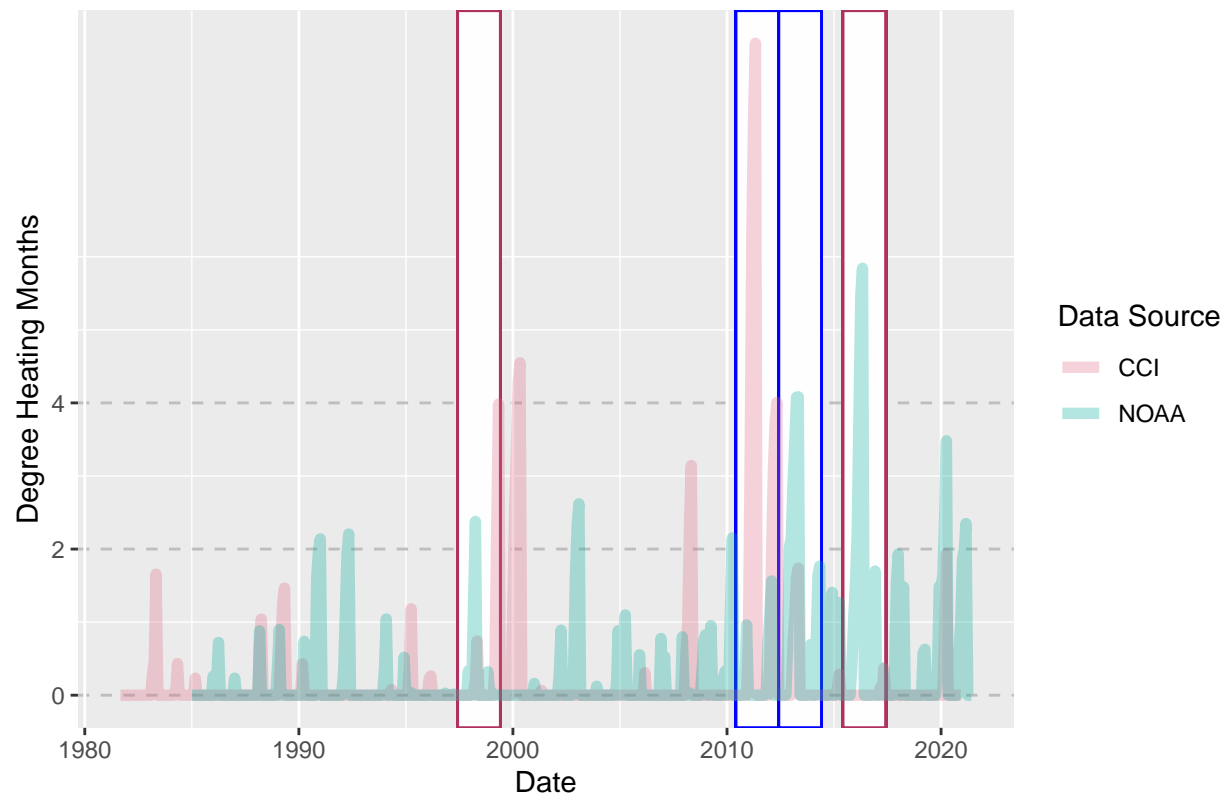


Table 10: Degree Heating Month values in SCOTTSS2 from CCI (left) and NOAA (right)

| Date | DHM value | Date | DHM value |
|----------|-----------|----------|-----------|
| 2011-May | 8.9216712 | 2016-May | 5.8426428 |
| 2011-Apr | 7.9922101 | 2016-Apr | 5.4613214 |
| 2011-Mar | 6.3379939 | 2013-May | 4.0837202 |
| 2000-May | 4.5487244 | 2013-Apr | 4.0782053 |
| 2000-Apr | 4.2786143 | 2016-Mar | 3.8163334 |
| 2012-May | 4.0057916 | 2020-Apr | 3.4823941 |
| 1999-May | 3.9830644 | 2013-Mar | 3.4285506 |
| 2012-Apr | 3.7172991 | 2013-Feb | 2.9169067 |
| 2000-Mar | 3.3710665 | 2003-Feb | 2.6198929 |
| 2011-Feb | 3.3536937 | 2020-Mar | 2.4127394 |
| 2008-May | 3.1441705 | 1998-Apr | 2.3785769 |
| 2012-Mar | 3.0750824 | 2021-Mar | 2.3500806 |
| 2000-Feb | 2.5996668 | 2003-Jan | 2.3210715 |
| 1999-Apr | 2.3861819 | 2016-Feb | 2.2540444 |
| 2008-Apr | 2.3421272 | 1992-May | 2.2066261 |
| 2012-Feb | 1.9565885 | 2010-Apr | 2.1522244 |
| 2020-Apr | 1.9366954 | 2013-Jan | 2.1409425 |
| 2013-May | 1.7396613 | 1991-Jan | 2.1391361 |
| 1983-May | 1.6568706 | 2012-Dec | 2.0267179 |
| 2013-Apr | 1.6147134 | 2021-Feb | 1.9981141 |
| 1989-May | 1.4663243 | 1990-Dec | 1.9739438 |
| 2000-Jan | 1.3162369 | 2018-Jan | 1.9327597 |
| 1989-Apr | 1.2778330 | 1992-Apr | 1.9288532 |
| 1995-Apr | 1.1815256 | 2021-Jan | 1.8650070 |
| 2013-Mar | 1.0701682 | 2014-May | 1.7660178 |
| 1988-Apr | 1.0421725 | 2016-Dec | 1.6989653 |
| 2008-Mar | 0.9485789 | 2014-Apr | 1.6408255 |
| 2020-Mar | 0.8588158 | 2020-Feb | 1.6356116 |
| 1998-May | 0.7425296 | 2002-Dec | 1.6116857 |
| 2011-Jan | 0.7275272 | 1990-Nov | 1.6116547 |
| 2013-Feb | 0.7197388 | 2012-Feb | 1.5641389 |
| 1988-Mar | 0.6946244 | 2017-Dec | 1.5414384 |
| 1989-Mar | 0.6749514 | 2016-Jan | 1.5247920 |
| 2008-Feb | 0.5965350 | 2020-Jan | 1.4925662 |
| 1983-Apr | 0.4686982 | 2019-Dec | 1.4867287 |
| 2012-Jan | 0.4359160 | 2018-Apr | 1.4821803 |
| 1984-May | 0.4327731 | 2014-Dec | 1.4074169 |
| 1990-Mar | 0.4291392 | 1998-Mar | 1.2992556 |
| 1999-Mar | 0.4243016 | 2015-Apr | 1.2684709 |
| 2017-May | 0.3694625 | 2010-Mar | 1.1959030 |
| 1995-Mar | 0.3639772 | 2005-Apr | 1.0987213 |
| 2006-Mar | 0.3094610 | 2012-Jan | 1.0959210 |
| 1983-Mar | 0.2988183 | 1994-Feb | 1.0430539 |
| 2015-Apr | 0.2890034 | 1992-Mar | 1.0428651 |
| 1996-Mar | 0.2642276 | 2015-Dec | 1.0276642 |
| 1985-Mar | 0.2336544 | 2020-Dec | 1.0033631 |
| 1996-Feb | 0.2241216 | 2010-Dec | 0.9625459 |
| 1998-Apr | 0.2085487 | 2009-Apr | 0.9515567 |
| 2017-Mar | 0.1059137 | 1989-Feb | 0.8992786 |
| 1989-Feb | 0.1058123 | 2002-Apr | 0.8896749 |
| 2015-Mar | 0.0997866 | 2004-Dec | 0.8824384 |
| 1994-May | 0.0784518 | 1988-Mar | 0.8803536 |
| 2001-May | 0.0668837 | 2016-Nov | 0.8573213 |
| 1994-Apr | 0.0422137 | 2009-Jan | 0.8277490 |
| 1984-Apr | 0.0362129 | 2007-Dec | 0.7987407 |

BUN05A Degree Heating Months Time Series

BUN05A Degree Heating Month values time plot

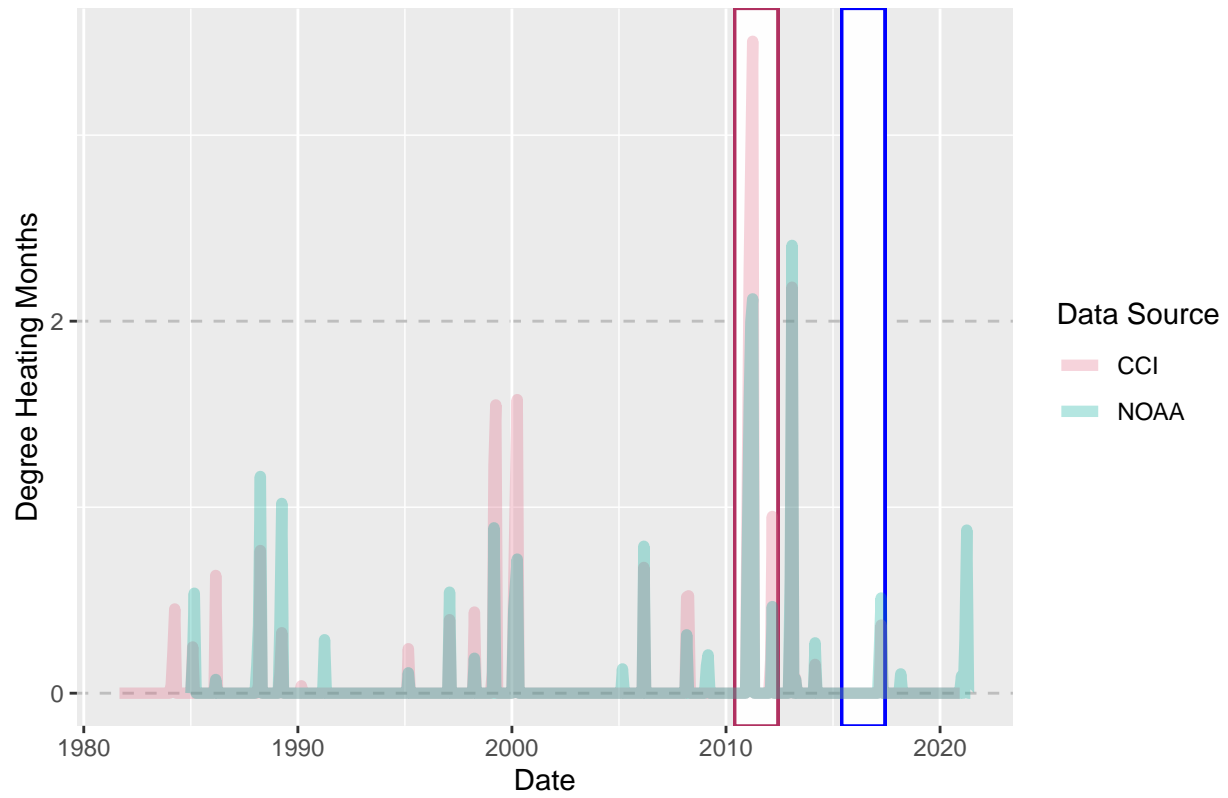


Table 11: Degree Heating Month values in BUN05A from CCI (left) and NOAA (right)

| Date | DHM value | Date | DHM value |
|----------|-----------|----------|-----------|
| 2011-Apr | 3.5047295 | 2013-Feb | 2.4075384 |
| 2011-Mar | 2.8765642 | 2011-Apr | 2.1200538 |
| 2011-Feb | 2.2791442 | 2011-Mar | 1.9959677 |
| 2013-Feb | 2.1829070 | 2011-Feb | 1.5563978 |
| 2000-Apr | 1.5783603 | 1988-Apr | 1.1652329 |
| 1999-Apr | 1.5497903 | 1989-Apr | 1.0202903 |
| 1999-Mar | 1.2272922 | 1999-Mar | 0.8892473 |
| 2011-Jan | 1.1561260 | 2021-Apr | 0.8769785 |
| 2000-Mar | 1.0768654 | 2011-Jan | 0.7973118 |
| 2012-Mar | 0.9503007 | 2006-Mar | 0.7902151 |
| 1988-Apr | 0.7673450 | 2000-Apr | 0.7211617 |
| 2006-Mar | 0.6764546 | 2013-Jan | 0.6166667 |
| 1986-Mar | 0.6332230 | 2000-Mar | 0.5814090 |
| 2000-Feb | 0.5765425 | 1997-Feb | 0.5433717 |
| 2008-Apr | 0.5239251 | 1985-Mar | 0.5376536 |
| 2008-Mar | 0.5170977 | 2017-Apr | 0.5120430 |
| 1984-Apr | 0.4531066 | 2012-Mar | 0.4659918 |
| 1998-Apr | 0.4364945 | 2000-Feb | 0.4492584 |
| 2013-Jan | 0.4077434 | 1989-Mar | 0.3705376 |
| 1997-Feb | 0.3955206 | 1988-Mar | 0.3654802 |
| 2017-Apr | 0.3664080 | 2008-Mar | 0.3140860 |
| 1989-Apr | 0.3253651 | 2021-Mar | 0.2898925 |
| 1985-Feb | 0.2487332 | 1991-Apr | 0.2877527 |
| 1995-Mar | 0.2393563 | 2014-Mar | 0.2708602 |
| 1984-Mar | 0.2209466 | 2017-Mar | 0.2279570 |
| 2012-Feb | 0.1748185 | 2009-Mar | 0.2062596 |
| 2014-Mar | 0.1551602 | 1985-Feb | 0.1987289 |
| 1999-Feb | 0.1105191 | 1998-Apr | 0.1880860 |
| 1989-Mar | 0.1038710 | 1988-Feb | 0.1523619 |
| 2013-Apr | 0.0818284 | 2009-Feb | 0.1476575 |
| 1984-Feb | 0.0448168 | 2005-Mar | 0.1308602 |
| 1988-Mar | 0.0445183 | 1995-Mar | 0.1098925 |
| 1990-Mar | 0.0400007 | 2018-Mar | 0.1040860 |
| 2017-Mar | 0.0225791 | 2021-Jan | 0.0931183 |
| 1981-Sep | 0.0000000 | 2013-Apr | 0.0750860 |
| 1981-Oct | 0.0000000 | 1986-Mar | 0.0740860 |
| 1981-Nov | 0.0000000 | 2012-Feb | 0.0302929 |
| 1981-Dec | 0.0000000 | 1985-Jan | 0.0000000 |
| 1982-Jan | 0.0000000 | 1985-Apr | 0.0000000 |
| 1982-Feb | 0.0000000 | 1985-May | 0.0000000 |
| 1982-Mar | 0.0000000 | 1985-Jun | 0.0000000 |
| 1982-Apr | 0.0000000 | 1985-Jul | 0.0000000 |
| 1982-May | 0.0000000 | 1985-Aug | 0.0000000 |
| 1982-Jun | 0.0000000 | 1985-Sep | 0.0000000 |
| 1982-Jul | 0.0000000 | 1985-Oct | 0.0000000 |
| 1982-Aug | 0.0000000 | 1985-Nov | 0.0000000 |
| 1982-Sep | 0.0000000 | 1985-Dec | 0.0000000 |
| 1982-Oct | 0.0000000 | 1986-Jan | 0.0000000 |
| 1982-Nov | 0.0000000 | 1986-Feb | 0.0000000 |
| 1982-Dec | 0.0000000 | 1986-Apr | 0.0000000 |
| 1983-Jan | 0.0000000 | 1986-May | 0.0000000 |
| 1983-Feb | 0.0000000 | 1986-Jun | 0.0000000 |
| 1983-Mar | 0.0000000 | 1986-Jul | 0.0000000 |
| 1983-Apr | 0.0000000 | 1986-Aug | 0.0000000 |
| 1983-May | 0.0000000 | 1986-Sep | 0.0000000 |

Bundegi Degree Heating Months Time Series

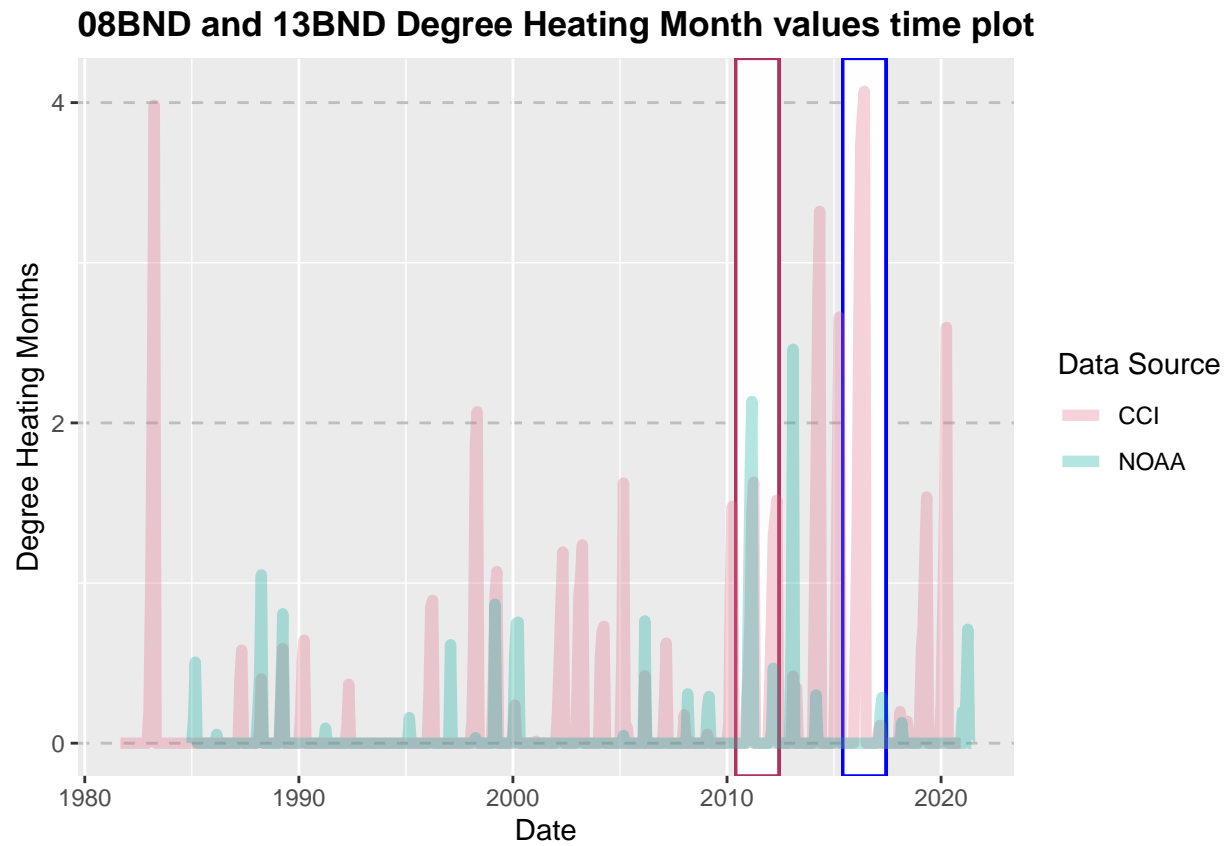


Table 12: Degree Heating Month values in 08BND and 13BND from CCI (left) and NOAA (right)

| Date | DHM value | Date | DHM value |
|----------|-----------|----------|-----------|
| 2016-Jun | 4.0709144 | 2013-Feb | 2.4595161 |
| 1983-Apr | 3.9839208 | 2011-Mar | 2.1338479 |
| 2016-May | 3.9347101 | 2011-Feb | 1.6912673 |
| 2016-Apr | 3.7442817 | 1988-Apr | 1.0514260 |
| 2014-May | 3.3209593 | 2011-Jan | 0.8809677 |
| 2014-Apr | 2.7898849 | 1999-Mar | 0.8680645 |
| 2016-Mar | 2.6890772 | 1989-Apr | 0.8083763 |
| 2015-Apr | 2.6610193 | 2006-Mar | 0.7638710 |
| 2020-Apr | 2.5963338 | 2000-Apr | 0.7555261 |
| 1983-Mar | 2.2733838 | 2000-Mar | 0.7496552 |
| 1998-May | 2.0698542 | 2021-Apr | 0.7115484 |
| 1998-Apr | 1.8658770 | 2013-Jan | 0.6406452 |
| 2015-Mar | 1.7704816 | 1997-Feb | 0.6149424 |
| 2014-Mar | 1.7120120 | 2000-Feb | 0.5535261 |
| 2011-Apr | 1.6294489 | 1985-Mar | 0.5067166 |
| 2005-Mar | 1.6245417 | 2012-Mar | 0.4686318 |
| 2019-May | 1.5374549 | 1988-Mar | 0.4095551 |
| 2012-May | 1.5176929 | 2008-Mar | 0.3080645 |
| 2010-Apr | 1.4792122 | 2014-Mar | 0.3019355 |
| 2020-Mar | 1.4457954 | 1989-Mar | 0.2948387 |
| 2011-Mar | 1.4379123 | 2009-Mar | 0.2914286 |
| 2012-Apr | 1.4111337 | 2017-Apr | 0.2856452 |
| 2016-Feb | 1.3928385 | 2021-Mar | 0.2796774 |
| 2012-Mar | 1.2999305 | 2009-Feb | 0.2252995 |
| 2003-Apr | 1.2385086 | 1988-Feb | 0.1969744 |
| 2002-May | 1.1936400 | 2017-Mar | 0.1967742 |
| 2019-Apr | 1.1754154 | 2021-Jan | 0.1961290 |
| 1999-Apr | 1.0720771 | 1985-Feb | 0.1699424 |
| 2003-Mar | 1.0369713 | 1995-Mar | 0.1600000 |
| 1983-Feb | 1.0229540 | 2018-Mar | 0.1296774 |
| 2010-Mar | 0.9813421 | 1991-Apr | 0.0938710 |
| 1999-Mar | 0.9238743 | 2012-Feb | 0.0776641 |
| 2003-Feb | 0.9178300 | 1986-Mar | 0.0551613 |
| 2014-Feb | 0.9057763 | 2005-Mar | 0.0487097 |
| 1996-Apr | 0.8926295 | 1998-Apr | 0.0345376 |
| 2002-Apr | 0.8854689 | 1985-Jan | 0.0000000 |
| 2020-Feb | 0.8631049 | 1985-Apr | 0.0000000 |
| 1996-Mar | 0.8490889 | 1985-May | 0.0000000 |
| 2011-Feb | 0.8084511 | 1985-Jun | 0.0000000 |
| 2012-Feb | 0.8069213 | 1985-Jul | 0.0000000 |
| 2015-Feb | 0.7968265 | 1985-Aug | 0.0000000 |
| 2004-Apr | 0.7297618 | 1985-Sep | 0.0000000 |
| 2019-Mar | 0.7285432 | 1985-Oct | 0.0000000 |
| 2004-Mar | 0.6988920 | 1985-Nov | 0.0000000 |
| 1990-Apr | 0.6440420 | 1985-Dec | 0.0000000 |
| 2007-Mar | 0.6249715 | 1986-Jan | 0.0000000 |
| 1998-Mar | 0.6230098 | 1986-Feb | 0.0000000 |
| 2016-Jan | 0.6149446 | 1986-Apr | 0.0000000 |
| 2019-Feb | 0.5984363 | 1986-May | 0.0000000 |
| 1989-Apr | 0.5914373 | 1986-Jun | 0.0000000 |
| 1987-May | 0.5809463 | 1986-Jul | 0.0000000 |
| 2004-Feb | 0.5316875 | 1986-Aug | 0.0000000 |
| 1990-Mar | 0.5201679 | 1986-Sep | 0.0000000 |
| 2002-Mar | 0.5105979 | 1986-Oct | 0.0000000 |
| 2005-Feb | 0.5086303 | 1986-Nov | 0.0000000 |

Tantabiddi 08TNT Degree Heating Months Time Series

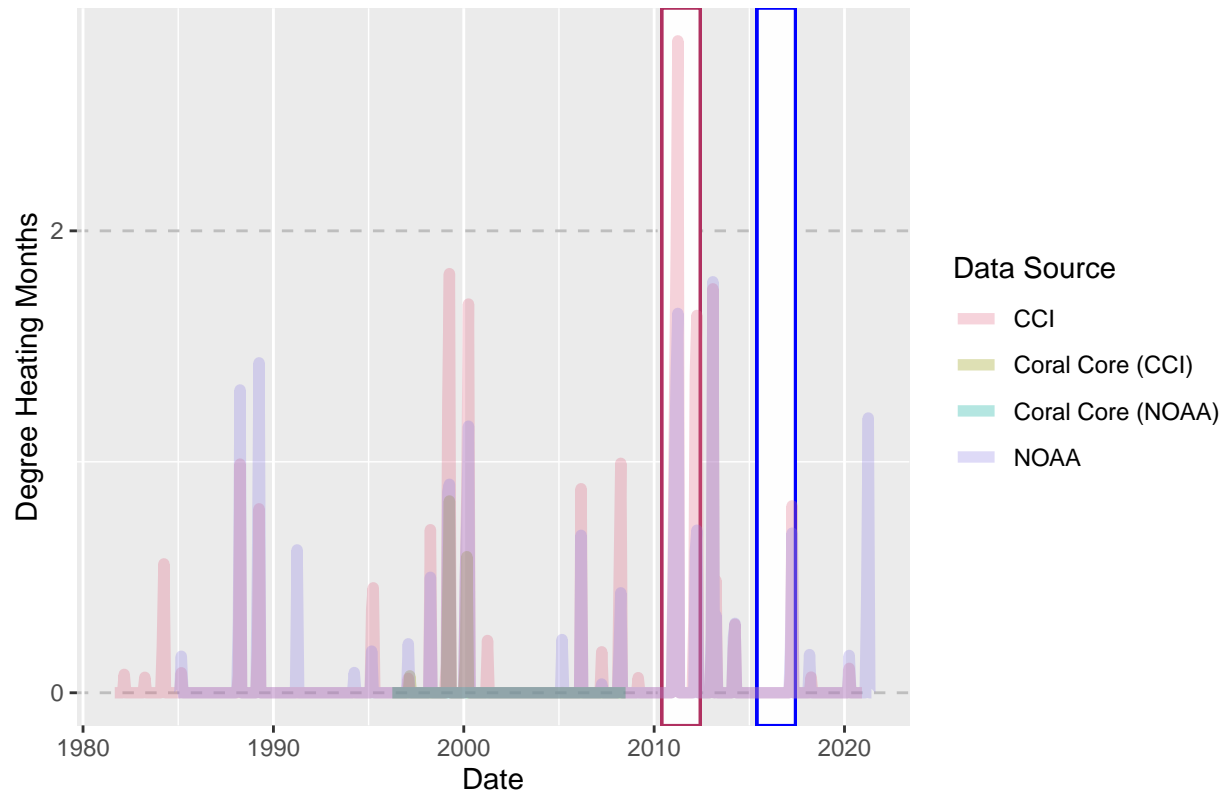
Warning: Unknown or uninitialised column: 'Coral Core (CCI)'.

Warning: Unknown or uninitialised column: 'Coral Core (NOAA)'.

Table 13: Coral Core Date Range is from 1996 to 2008

| Date | Site | Degree Heating Month Values in 08TNT | |
|----------|-------|--------------------------------------|----------|
| | | CCI | NOAA |
| 1988 Apr | 08TNT | NA | 1.311299 |
| 1989 Apr | 08TNT | NA | 1.428753 |
| 1999 Mar | 08TNT | 1.255365 | NA |
| 1999 Apr | 08TNT | 1.814919 | NA |
| 2000 Apr | 08TNT | 1.683346 | 1.154546 |
| 2011 Feb | 08TNT | 1.350632 | 1.025529 |
| 2011 Mar | 08TNT | 1.926555 | 1.376825 |
| 2011 Apr | 08TNT | 2.822778 | 1.642658 |
| 2012 Mar | 08TNT | 1.378504 | NA |
| 2012 Apr | 08TNT | 1.633724 | NA |
| 2013 Feb | 08TNT | 1.749184 | 1.779677 |
| 2021 Apr | 08TNT | NA | 1.189785 |

08TNT Degree Heating Month values time plot



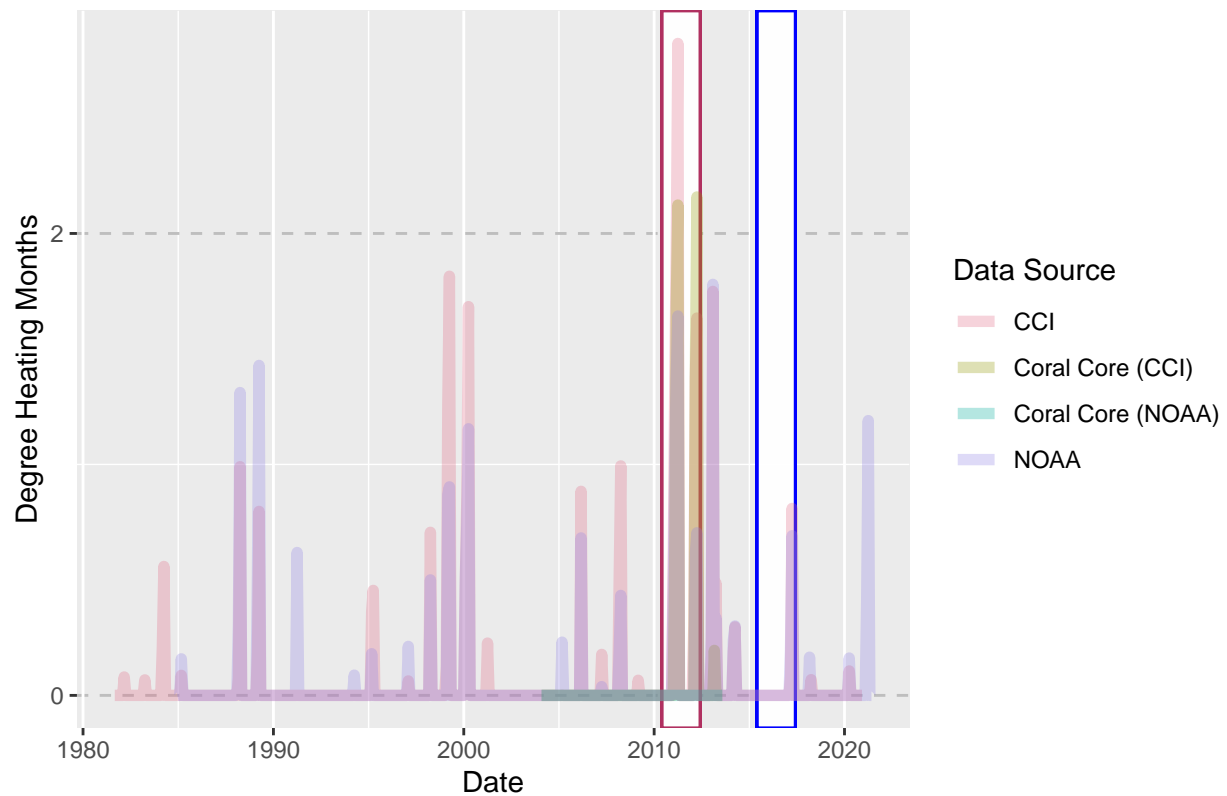
Tantabiddi 13TNT Degree Heating Months Time Series

Warning: Unknown or uninitialised column: 'Coral Core (NOAA)'.

Table 14: Coral Core Date Range is from 2004 to 2013

| Date | Site | Degree Heating Month Values in 13TNT | | |
|----------|-------|--------------------------------------|----------|------------------|
| | | CCI | NOAA | Coral Core (CCI) |
| 1988 Apr | 13TNT | NA | 1.311299 | NA |
| 1989 Apr | 13TNT | NA | 1.428753 | NA |
| 1999 Mar | 13TNT | 1.255365 | NA | NA |
| 1999 Apr | 13TNT | 1.814919 | NA | NA |
| 2000 Apr | 13TNT | 1.683346 | 1.154546 | NA |
| 2011 Feb | 13TNT | 1.350632 | 1.025529 | NA |
| 2011 Mar | 13TNT | 1.926555 | 1.376825 | 1.683596 |
| 2011 Apr | 13TNT | 2.822778 | 1.642658 | 2.123089 |
| 2012 Mar | 13TNT | 1.378504 | NA | 1.376103 |
| 2012 Apr | 13TNT | 1.633724 | NA | 2.158121 |
| 2013 Feb | 13TNT | 1.749184 | 1.779677 | NA |
| 2021 Apr | 13TNT | NA | 1.189785 | NA |

13TNT Degree Heating Month values time plot

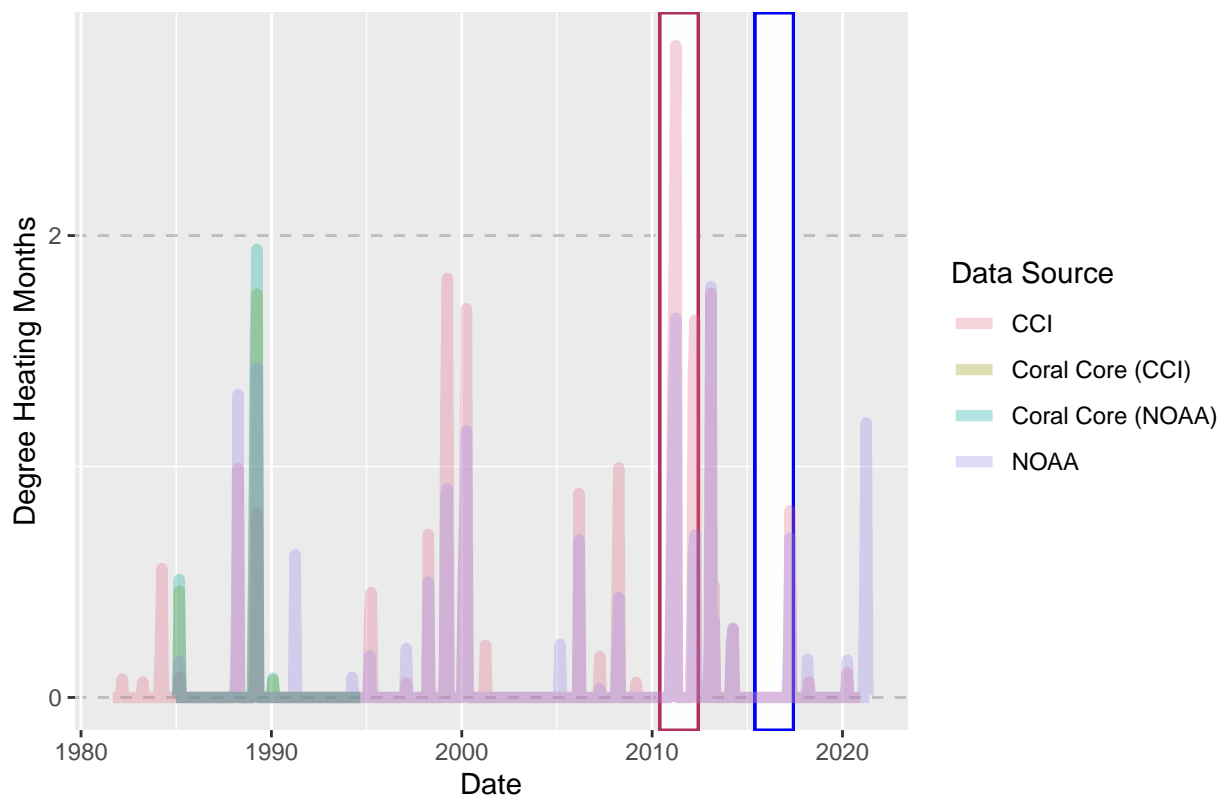


TNT Degree Heating Months Time Series

Table 15: Coral Core Date Range is from 1985 to 1994

| Date | Site | Degree Heating Month Values in TNT | | | |
|----------|------|------------------------------------|----------|------------------|-------------------|
| | | CCI | NOAA | Coral Core (CCI) | Coral Core (NOAA) |
| 1988 Apr | TNT | NA | 1.311299 | NA | NA |
| 1989 Mar | TNT | NA | NA | 1.402937 | 1.558757 |
| 1989 Apr | TNT | NA | 1.428753 | 1.746409 | 1.940377 |
| 1999 Mar | TNT | 1.255365 | NA | NA | NA |
| 1999 Apr | TNT | 1.814919 | NA | NA | NA |
| 2000 Apr | TNT | 1.683346 | 1.154546 | NA | NA |
| 2011 Feb | TNT | 1.350632 | 1.025529 | NA | NA |
| 2011 Mar | TNT | 1.926555 | 1.376825 | NA | NA |
| 2011 Apr | TNT | 2.822778 | 1.642658 | NA | NA |
| 2012 Mar | TNT | 1.378504 | NA | NA | NA |
| 2012 Apr | TNT | 1.633724 | NA | NA | NA |
| 2013 Feb | TNT | 1.749184 | 1.779677 | NA | NA |
| 2021 Apr | TNT | NA | 1.189785 | NA | NA |

TNT Degree Heating Month values time plot



TNT07C Degree Heating Months Time Series

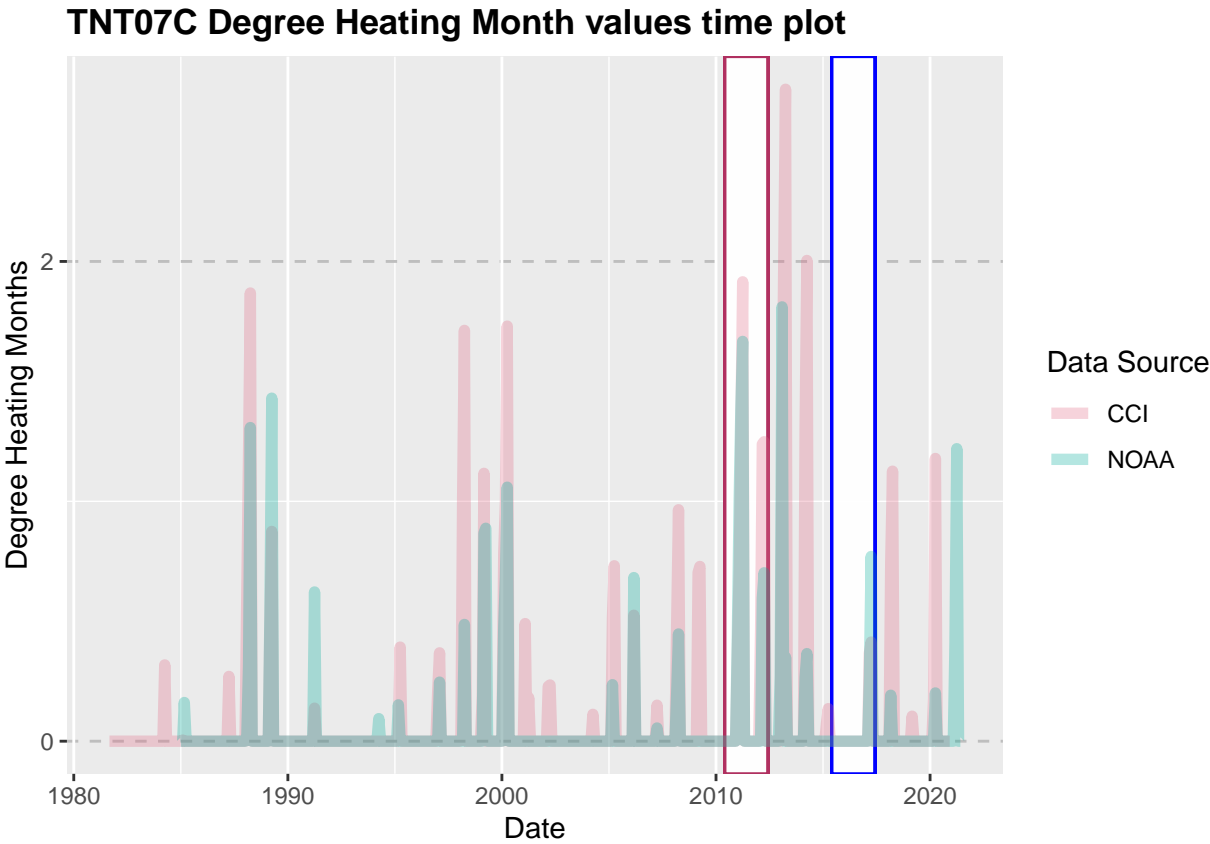


Table 16: Degree Heating Month values in TNT07C from CCI (left) and NOAA (right)

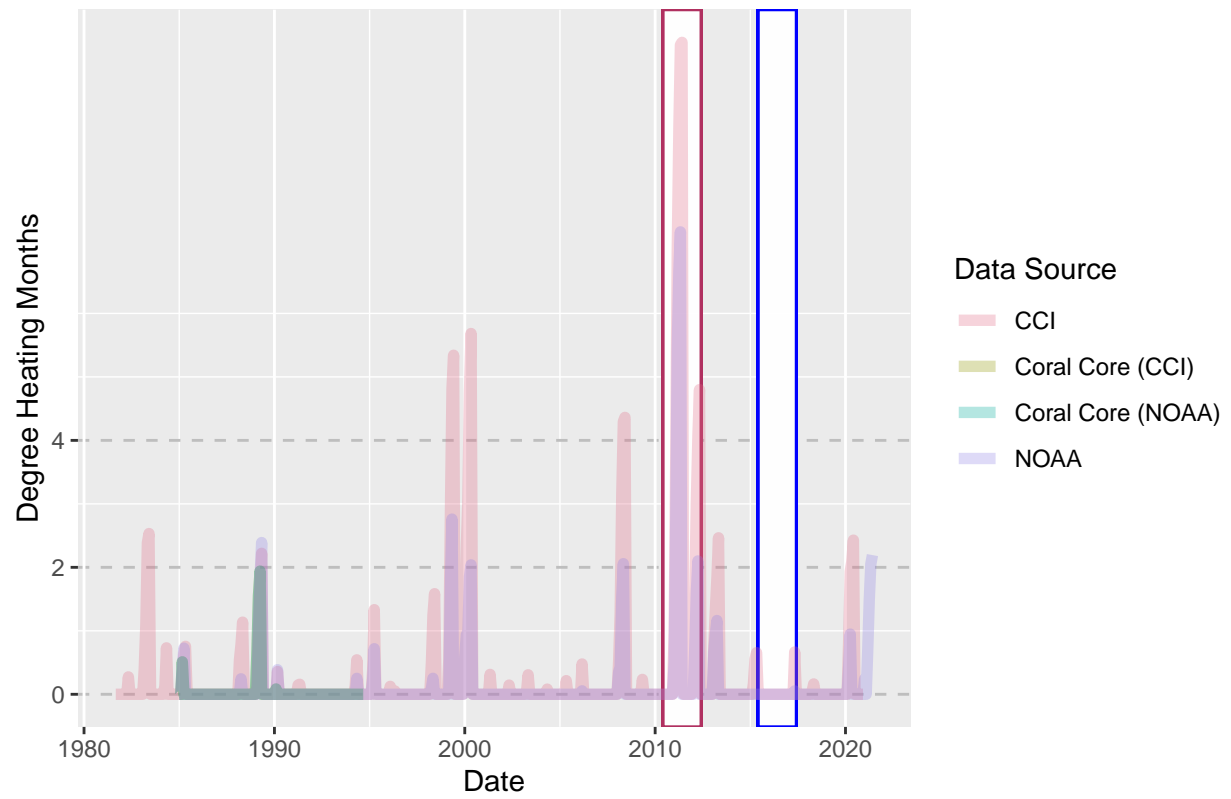
| Date | DHM value | Date | DHM value |
|----------|-------------------------|----------|-----------|
| 2013-Apr | 2.7178574 | 2013-Feb | 1.8107716 |
| 2014-Apr | 2.0041040 | 2011-Apr | 1.6667322 |
| 2013-Mar | 1.9830514 | 1989-Apr | 1.4300358 |
| 2011-Apr | 1.9151712 | 2011-Mar | 1.3845100 |
| 1988-Apr | 1.8685407 | 1988-Apr | 1.3076188 |
| 2000-Apr | 1.7304011 | 2021-Apr | 1.2194875 |
| 1998-Apr | 1.7126357 | 2000-Apr | 1.0589811 |
| 2014-Mar | 1.3059658 | 2011-Feb | 1.0191587 |
| 2011-Mar | 1.3010337 | 1999-Apr | 0.8878423 |
| 2013-Feb | 1.2890191 | 1999-Mar | 0.8672867 |
| 2012-Apr | 1.2484796 | 2017-Apr | 0.7701649 |
| 2012-Mar | 1.2386756 | 2012-Apr | 0.7022079 |
| 1988-Mar | 1.1920680 | 2006-Mar | 0.6821254 |
| 2020-Apr | 1.1787466 | 2000-Mar | 0.6814255 |
| 2018-Apr | 1.1257715 | 1991-Apr | 0.6222222 |
| 1999-Mar | 1.1166702 | 2012-Mar | 0.5963190 |
| 1998-Mar | 1.0011644 | 1989-Mar | 0.5314803 |
| 2000-Mar | 0.9955971 | 1998-Apr | 0.4868889 |
| 2008-Apr | 0.9649547 | 2000-Feb | 0.4754291 |
| 1989-Apr | 0.8746312 | 2011-Jan | 0.4492222 |
| 2000-Feb | 0.7825317 | 2008-Apr | 0.4471219 |
| 2018-Mar | 0.7459663 | 2021-Mar | 0.4079319 |
| 2005-Apr | 0.7314433 | 2014-Apr | 0.3651864 |
| 2009-Apr | 0.7285332 | 2013-Apr | 0.3502222 |
| 2011-Feb | 0.7144214 | 1988-Mar | 0.3153966 |
| 2009-Mar | 0.7030625 | 2013-Jan | 0.2708351 |
| 1988-Feb | 0.6228753 | 2014-Mar | 0.2669642 |
| 2006-Mar | 0.5253222 | 2017-Mar | 0.2576093 |
| 2005-Mar | 0.5159681 | 1997-Feb | 0.2463651 |
| 2008-Mar | 0.4904829 | 2005-Mar | 0.2356738 |
| 2001-Feb | 0.4904472 | 2020-Apr | 0.2012222 |
| 1989-Mar | 0.4801582 | 2008-Mar | 0.1988996 |
| 2012-Feb | 0.4652878 | 2018-Mar | 0.1918029 |
| 2017-Apr | 0.4134197 | 1985-Mar | 0.1614803 |
| 1995-Apr | 0.3923861 | 1995-Mar | 0.1518029 |
| 2011-Jan | 0.3779016 | 1994-Apr | 0.0942222 |
| 1997-Feb | 0.3684454 | 2007-Apr | 0.0552222 |
| 2017-Mar | 0.3666131 | 1988-Feb | 0.0219808 |
| 1984-Apr | 0.3181394 | 1985-Jan | 0.0000000 |
| 1987-Apr | 0.2701403 | 1985-Feb | 0.0000000 |
| 2002-Apr | 0.2343518 | 1985-Apr | 0.0000000 |
| 2002-Mar | 0.2285476 | 1985-May | 0.0000000 |
| 1997-Jan | 0.2137102 | 1985-Jun | 0.0000000 |
| 1999-Feb | 0.1897357 | 1985-Jul | 0.0000000 |
| 2001-Apr | 0.1818072 | 1985-Aug | 0.0000000 |
| 2020-Mar | 0.1766097 | 1985-Sep | 0.0000000 |
| 2007-Apr | 0.1501391 | 1985-Oct | 0.0000000 |
| 1991-Apr | 0.1378090 | 1985-Nov | 0.0000000 |
| 2015-Apr | 0.1358157 | 1985-Dec | 0.0000000 |
| 2004-Apr | 0.1121396 | 1986-Jan | 0.0000000 |
| 2019-Mar | 0.1043519 | 1986-Feb | 0.0000000 |
| 2015-Mar | 0.0746770 ⁶² | 1986-Mar | 0.0000000 |
| 1995-Mar | 0.0175786 | 1986-Apr | 0.0000000 |
| 1998-Feb | 0.0161648 | 1986-May | 0.0000000 |
| 1985-Feb | 0.0047348 | 1986-Jun | 0.0000000 |

Wallabi Island Degree Heating Months Time Series

Table 17: Coral Core Date Range is from 1985 to 1994

| Date | Site | Degree Heating Month Values in Wallabi Island | | | |
|----------|----------------|---|----------|------------------|-------------------|
| | | CCI | NOAA | Coral Core (CCI) | Coral Core (NOAA) |
| 1983 Apr | Wallabi Island | 1.096422 | NA | NA | NA |
| 1983 May | Wallabi Island | 2.386421 | NA | NA | NA |
| 1983 Jun | Wallabi Island | 2.532907 | NA | NA | NA |
| 1988 May | Wallabi Island | 1.137074 | NA | NA | NA |
| 1989 Mar | Wallabi Island | NA | 1.090914 | 1.558757 | 1.558757 |
| 1989 Apr | Wallabi Island | 1.710081 | 1.844495 | 1.940377 | 1.940377 |
| 1989 May | Wallabi Island | 2.221051 | 2.390893 | NA | NA |
| 1995 Apr | Wallabi Island | 1.333649 | NA | NA | NA |
| 1998 May | Wallabi Island | 1.246483 | NA | NA | NA |
| 1998 Jun | Wallabi Island | 1.584969 | NA | NA | NA |
| 1999 Apr | Wallabi Island | 2.870589 | 1.756581 | NA | NA |
| 1999 May | Wallabi Island | 4.813814 | 2.760075 | NA | NA |
| 1999 Jun | Wallabi Island | 5.341297 | NA | NA | NA |
| 2000 Jan | Wallabi Island | 1.125161 | NA | NA | NA |
| 2000 Feb | Wallabi Island | 2.345816 | NA | NA | NA |
| 2000 Mar | Wallabi Island | 3.073562 | NA | NA | NA |
| 2000 Apr | Wallabi Island | 4.779713 | 1.853368 | NA | NA |
| 2000 May | Wallabi Island | 5.683910 | 2.039766 | NA | NA |
| 2008 Mar | Wallabi Island | 1.287121 | NA | NA | NA |
| 2008 Apr | Wallabi Island | 3.163940 | 1.530161 | NA | NA |
| 2008 May | Wallabi Island | 4.296523 | 2.058171 | NA | NA |
| 2008 Jun | Wallabi Island | 4.362674 | NA | NA | NA |
| 2011 Jan | Wallabi Island | 1.004516 | NA | NA | NA |
| 2011 Feb | Wallabi Island | 3.804644 | 2.800319 | NA | NA |
| 2011 Mar | Wallabi Island | 6.997546 | 5.481555 | NA | NA |
| 2011 Apr | Wallabi Island | 8.923032 | 6.670136 | NA | NA |
| 2011 May | Wallabi Island | 10.230774 | 7.285243 | NA | NA |
| 2011 Jun | Wallabi Island | 10.270260 | NA | NA | NA |
| 2012 Feb | Wallabi Island | 1.618333 | NA | NA | NA |
| 2012 Mar | Wallabi Island | 3.020914 | 1.606266 | NA | NA |
| 2012 Apr | Wallabi Island | 4.082398 | 2.101513 | NA | NA |
| 2012 May | Wallabi Island | 4.799819 | NA | NA | NA |
| 2013 Mar | Wallabi Island | 1.329793 | NA | NA | NA |
| 2013 Apr | Wallabi Island | 1.844280 | 1.162478 | NA | NA |
| 2013 May | Wallabi Island | 2.465572 | NA | NA | NA |
| 2020 Apr | Wallabi Island | 1.933015 | NA | NA | NA |
| 2020 May | Wallabi Island | 2.092374 | NA | NA | NA |
| 2020 Jun | Wallabi Island | 2.428527 | NA | NA | NA |
| 2021 Apr | Wallabi Island | NA | 1.491774 | NA | NA |
| 2021 May | Wallabi Island | NA | 2.052043 | NA | NA |
| 2021 Jun | Wallabi Island | NA | 2.192957 | NA | NA |

Wallabi Island Degree Heating Month values time plot



HAB05B Degree Heating Months Time Series

HAB05B Degree Heating Month values time plot

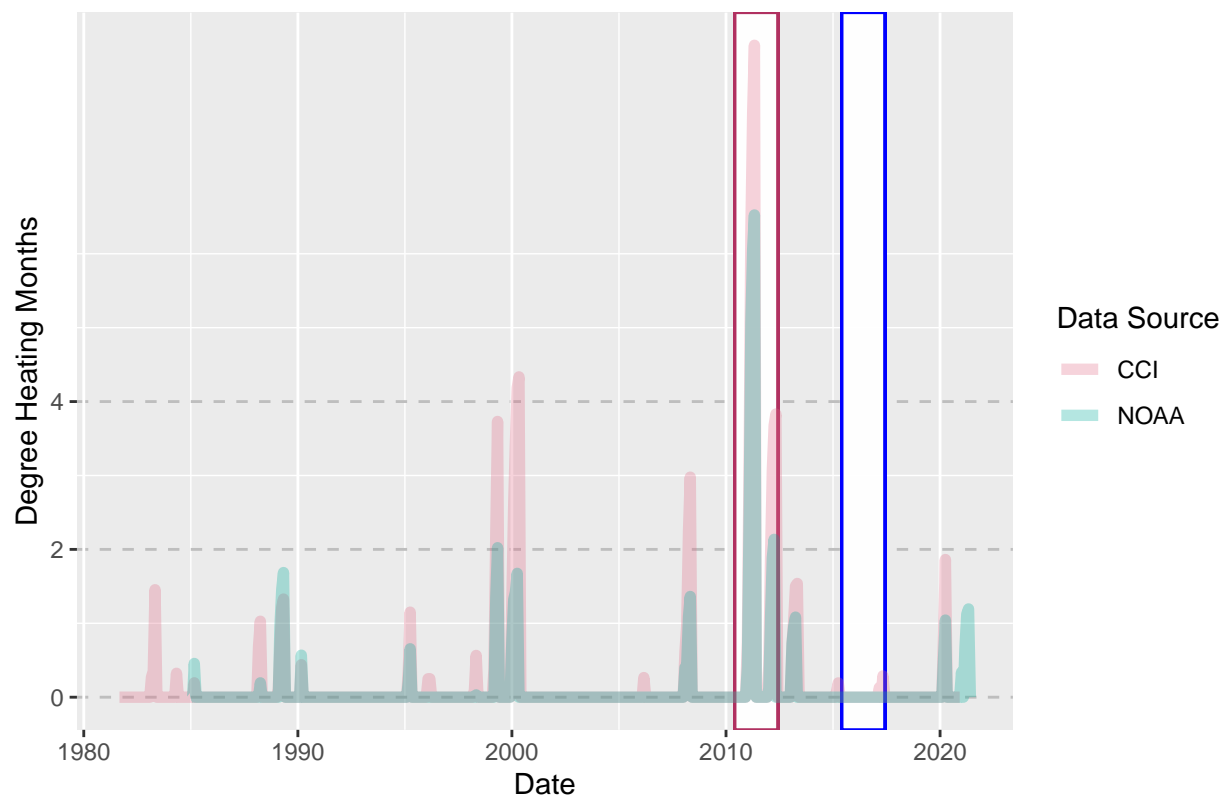


Table 18: Degree Heating Month values in HAB05B from CCI (left) and NOAA (right)

| Date | DHM value | Date | DHM value |
|----------|-----------|----------|-----------|
| 2011-May | 8.8214220 | 2011-May | 6.5254593 |
| 2011-Apr | 7.9186266 | 2011-Apr | 6.0679862 |
| 2011-Mar | 6.2842826 | 2011-Mar | 5.0625346 |
| 2000-May | 4.3345639 | 2011-Feb | 2.5566743 |
| 2000-Apr | 4.1856412 | 2012-Apr | 2.1361772 |
| 2012-May | 3.8318281 | 1999-May | 2.0233441 |
| 1999-May | 3.7314855 | 2012-Mar | 1.8880590 |
| 2012-Apr | 3.6780660 | 1989-May | 1.6871398 |
| 2000-Mar | 3.4452974 | 2000-Apr | 1.6761272 |
| 2011-Feb | 3.3476166 | 1989-Apr | 1.4622473 |
| 2012-Mar | 3.0727238 | 2000-Mar | 1.4230089 |
| 2008-May | 2.9775431 | 2008-May | 1.3632770 |
| 2000-Feb | 2.6399180 | 1999-Apr | 1.3484516 |
| 2008-Apr | 2.2511993 | 2000-Feb | 1.3223100 |
| 1999-Apr | 2.2215951 | 2021-May | 1.1946559 |
| 2012-Feb | 1.9521884 | 2021-Apr | 1.1233118 |
| 2020-Apr | 1.8628822 | 2012-Feb | 1.1076826 |
| 2013-May | 1.5392558 | 2008-Apr | 1.0909651 |
| 2013-Apr | 1.5045230 | 2013-Apr | 1.0838886 |
| 1983-May | 1.4547544 | 2020-Apr | 1.0441398 |
| 2000-Jan | 1.3415043 | 2013-Mar | 0.9584370 |
| 1989-May | 1.3283965 | 1989-Mar | 0.9477957 |
| 1989-Apr | 1.2152759 | 2000-Jan | 0.7800538 |
| 1995-Apr | 1.1512787 | 2013-Feb | 0.7241897 |
| 2013-Mar | 1.0435138 | 2021-Mar | 0.6758602 |
| 1988-Apr | 1.0279805 | 1995-Apr | 0.6556344 |
| 2008-Mar | 0.9531865 | 1990-Mar | 0.5690860 |
| 2020-Mar | 0.8405356 | 2020-Mar | 0.5310215 |
| 2011-Jan | 0.7369905 | 1985-Mar | 0.4569278 |
| 2013-Feb | 0.7349133 | 2008-Mar | 0.4255135 |
| 1988-Mar | 0.6876347 | 2011-Jan | 0.4106989 |
| 1989-Mar | 0.6742669 | 2008-Feb | 0.4019114 |
| 2008-Feb | 0.6191008 | 2021-Jan | 0.3374731 |
| 1998-May | 0.5655347 | 1995-Mar | 0.2161828 |
| 1990-Mar | 0.4402169 | 1988-Apr | 0.1947849 |
| 2012-Jan | 0.4286045 | 2012-Jan | 0.1171505 |
| 1999-Mar | 0.3789228 | 1998-May | 0.0319892 |
| 1995-Mar | 0.3686020 | 1985-Feb | 0.0052611 |
| 1983-Apr | 0.3538940 | 1985-Jan | 0.0000000 |
| 1984-May | 0.3237628 | 1985-Apr | 0.0000000 |
| 2017-May | 0.2885997 | 1985-May | 0.0000000 |
| 1983-Mar | 0.2702153 | 1985-Jun | 0.0000000 |
| 2006-Mar | 0.2660206 | 1985-Jul | 0.0000000 |
| 1996-Mar | 0.2503342 | 1985-Aug | 0.0000000 |
| 1996-Feb | 0.2497940 | 1985-Sep | 0.0000000 |
| 1985-Mar | 0.1950524 | 1985-Oct | 0.0000000 |
| 2015-Apr | 0.1939017 | 1985-Nov | 0.0000000 |
| 2017-Mar | 0.1298925 | 1985-Dec | 0.0000000 |
| 1989-Feb | 0.1059874 | 1986-Jan | 0.0000000 |
| 1998-Apr | 0.0946752 | 1986-Feb | 0.0000000 |
| 2015-Mar | 0.0698930 | 1986-Mar | 0.0000000 |
| 1981-Sep | 0.0000000 | 1986-Apr | 0.0000000 |
| 1981-Oct | 0.0000000 | 1986-May | 0.0000000 |
| 1981-Nov | 0.0000000 | 1986-Jun | 0.0000000 |
| 1981-Dec | 0.0000000 | 1986-Jul | 0.0000000 |

HAB10A Degree Heating Months Time Series

HAB10A Degree Heating Month values time plot

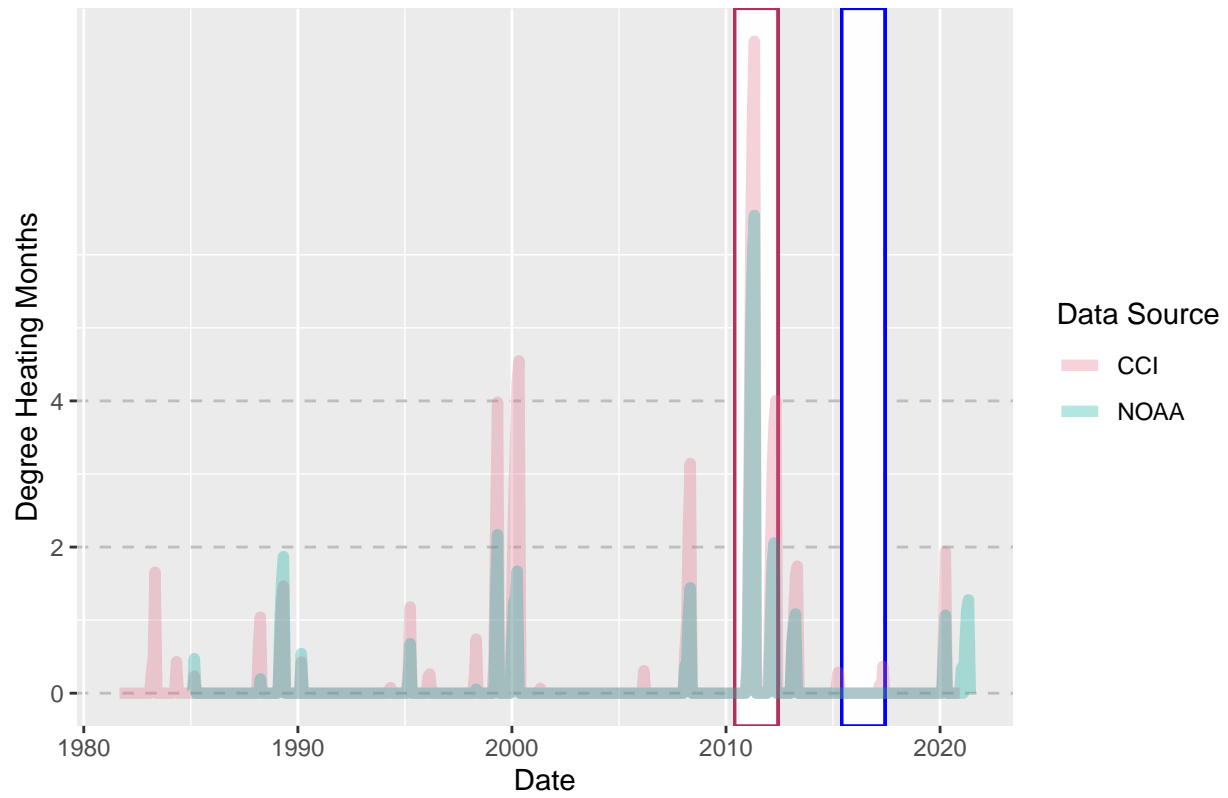


Table 19: Degree Heating Month values in HAB10A from CCI (left) and NOAA (right)

| Date | DHM value | Date | DHM value |
|----------|-----------|----------|-----------|
| 2011-May | 8.9216712 | 2011-May | 6.5397704 |
| 2011-Apr | 7.9922101 | 2011-Apr | 6.0591790 |
| 2011-Mar | 6.3379939 | 2011-Mar | 5.0533295 |
| 2000-May | 4.5487244 | 2011-Feb | 2.5449962 |
| 2000-Apr | 4.2786143 | 1999-May | 2.1693011 |
| 2012-May | 4.0057916 | 2012-Apr | 2.0573185 |
| 1999-May | 3.9830644 | 1989-May | 1.8702473 |
| 2012-Apr | 3.7172991 | 2012-Mar | 1.7971357 |
| 2000-Mar | 3.3710665 | 2000-Apr | 1.6711884 |
| 2011-Feb | 3.3536937 | 1989-Apr | 1.5722366 |
| 2008-May | 3.1441705 | 2008-May | 1.4446515 |
| 2012-Mar | 3.0750824 | 1999-Apr | 1.4445161 |
| 2000-Feb | 2.5996668 | 2000-Mar | 1.3100056 |
| 1999-Apr | 2.3861819 | 2021-May | 1.2791183 |
| 2008-Apr | 2.3421272 | 2000-Feb | 1.2474787 |
| 2012-Feb | 1.9565885 | 2021-Apr | 1.1585269 |
| 2020-Apr | 1.9366954 | 2008-Apr | 1.1250278 |
| 2013-May | 1.7396613 | 2013-Apr | 1.0860169 |
| 1983-May | 1.6568706 | 2020-Apr | 1.0677742 |
| 2013-Apr | 1.6147134 | 2012-Feb | 1.0558991 |
| 1989-May | 1.4663243 | 1989-Mar | 0.9667204 |
| 2000-Jan | 1.3162369 | 2013-Mar | 0.9245008 |
| 1989-Apr | 1.2778330 | 2000-Jan | 0.7470430 |
| 1995-Apr | 1.1815256 | 2013-Feb | 0.6971352 |
| 2013-Mar | 1.0701682 | 1995-Apr | 0.6803656 |
| 1988-Apr | 1.0421725 | 2021-Mar | 0.6780108 |
| 2008-Mar | 0.9485789 | 1990-Mar | 0.5431720 |
| 2020-Mar | 0.8588158 | 2020-Mar | 0.5405914 |
| 1998-May | 0.7425296 | 1985-Mar | 0.4736713 |
| 2011-Jan | 0.7275272 | 2008-Mar | 0.3971783 |
| 2013-Feb | 0.7197388 | 2011-Jan | 0.3960753 |
| 1988-Mar | 0.6946244 | 2008-Feb | 0.3807805 |
| 1989-Mar | 0.6749514 | 2021-Jan | 0.3457527 |
| 2008-Feb | 0.5965350 | 1995-Mar | 0.2028495 |
| 1983-Apr | 0.4686982 | 1988-Apr | 0.1978495 |
| 2012-Jan | 0.4359160 | 2012-Jan | 0.0999462 |
| 1984-May | 0.4327731 | 1998-May | 0.0557527 |
| 1990-Mar | 0.4291392 | 1985-Feb | 0.0085637 |
| 1999-Mar | 0.4243016 | 1985-Jan | 0.0000000 |
| 2017-May | 0.3694625 | 1985-Apr | 0.0000000 |
| 1995-Mar | 0.3639772 | 1985-May | 0.0000000 |
| 2006-Mar | 0.3094610 | 1985-Jun | 0.0000000 |
| 1983-Mar | 0.2988183 | 1985-Jul | 0.0000000 |
| 2015-Apr | 0.2890034 | 1985-Aug | 0.0000000 |
| 1996-Mar | 0.2642276 | 1985-Sep | 0.0000000 |
| 1985-Mar | 0.2336544 | 1985-Oct | 0.0000000 |
| 1996-Feb | 0.2241216 | 1985-Nov | 0.0000000 |
| 1998-Apr | 0.2085487 | 1985-Dec | 0.0000000 |
| 2017-Mar | 0.1059137 | 1986-Jan | 0.0000000 |
| 1989-Feb | 0.1058123 | 1986-Feb | 0.0000000 |
| 2015-Mar | 0.0997866 | 1986-Mar | 0.0000000 |
| 1994-May | 0.0784518 | 1986-Apr | 0.0000000 |
| 2001-May | 0.0668837 | 1986-May | 0.0000000 |
| 1994-Apr | 0.0422137 | 1986-Jun | 0.0000000 |
| 1984-Apr | 0.0362129 | 1986-Jul | 0.0000000 |