

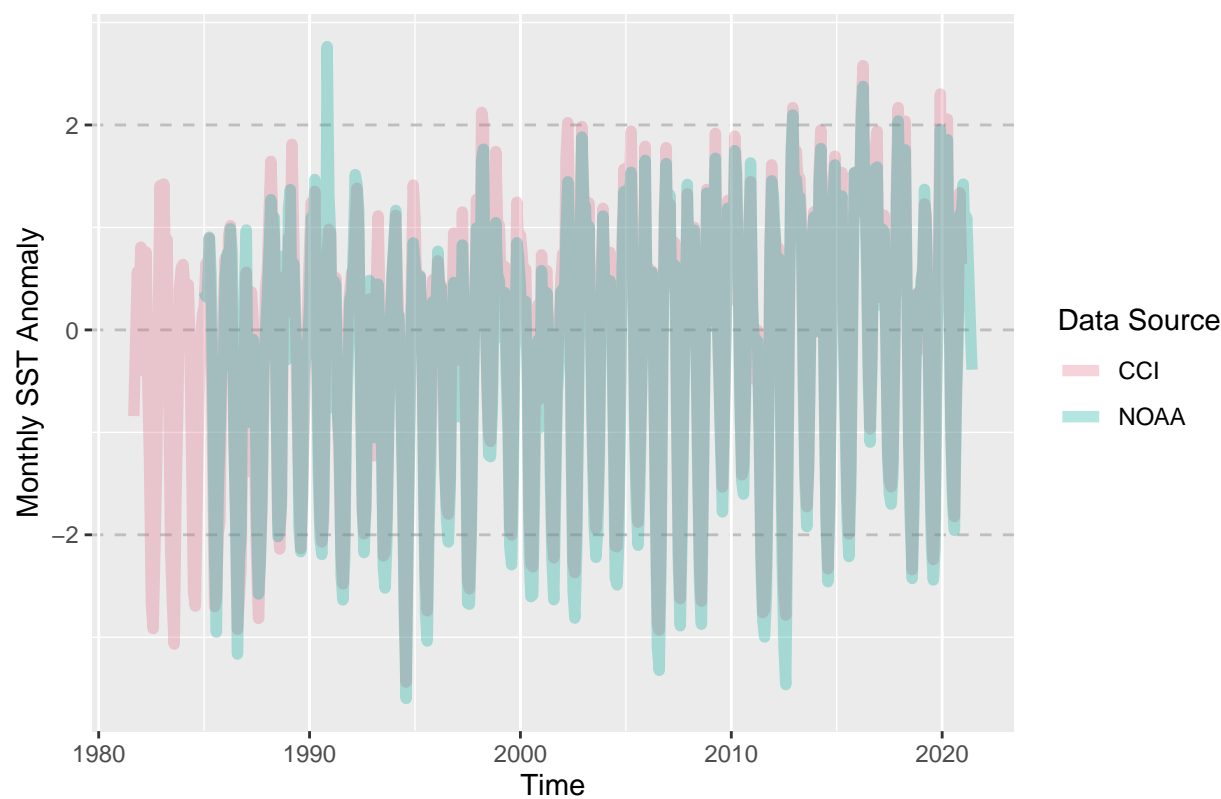
# Degree Heating Month Analysis

Vanessa

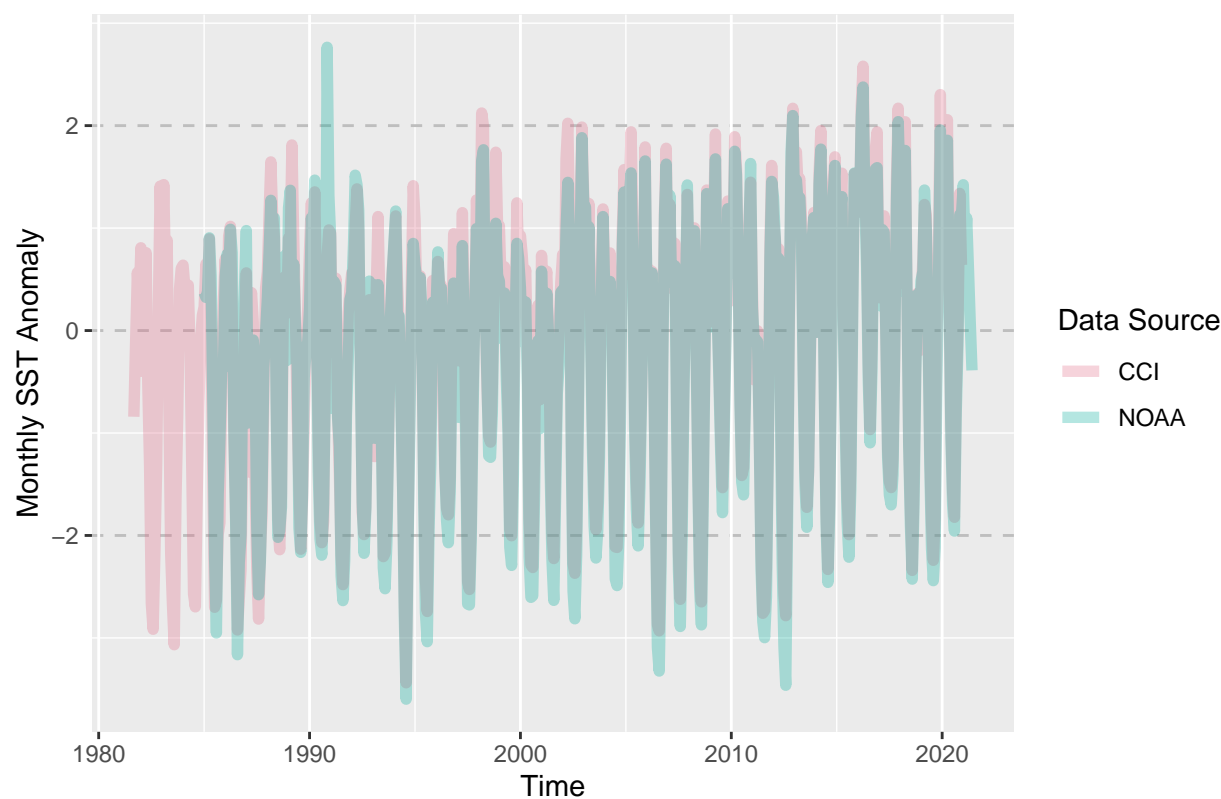
2021-09-22

Degree Heating Month Anomaly Time Series Plots:

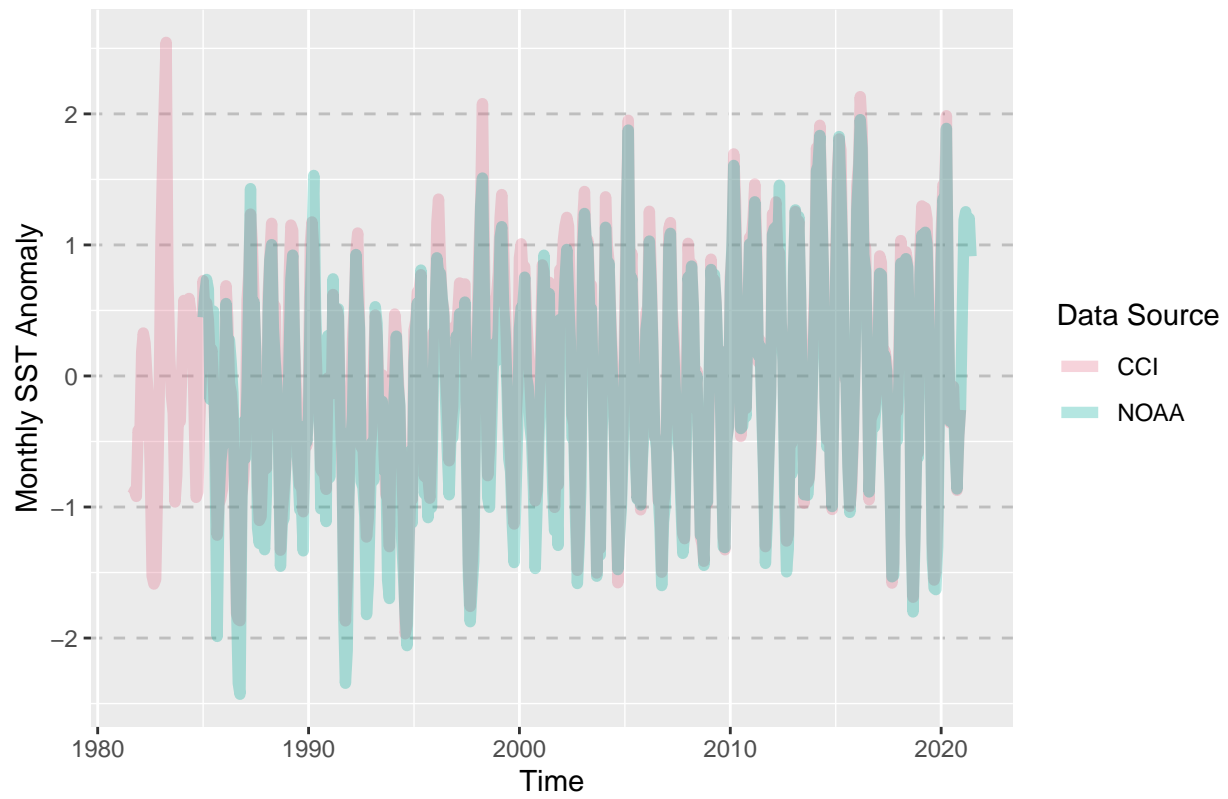
Time Series of BRS05 (−14.11, 123.54) Monthly SST Anomalies



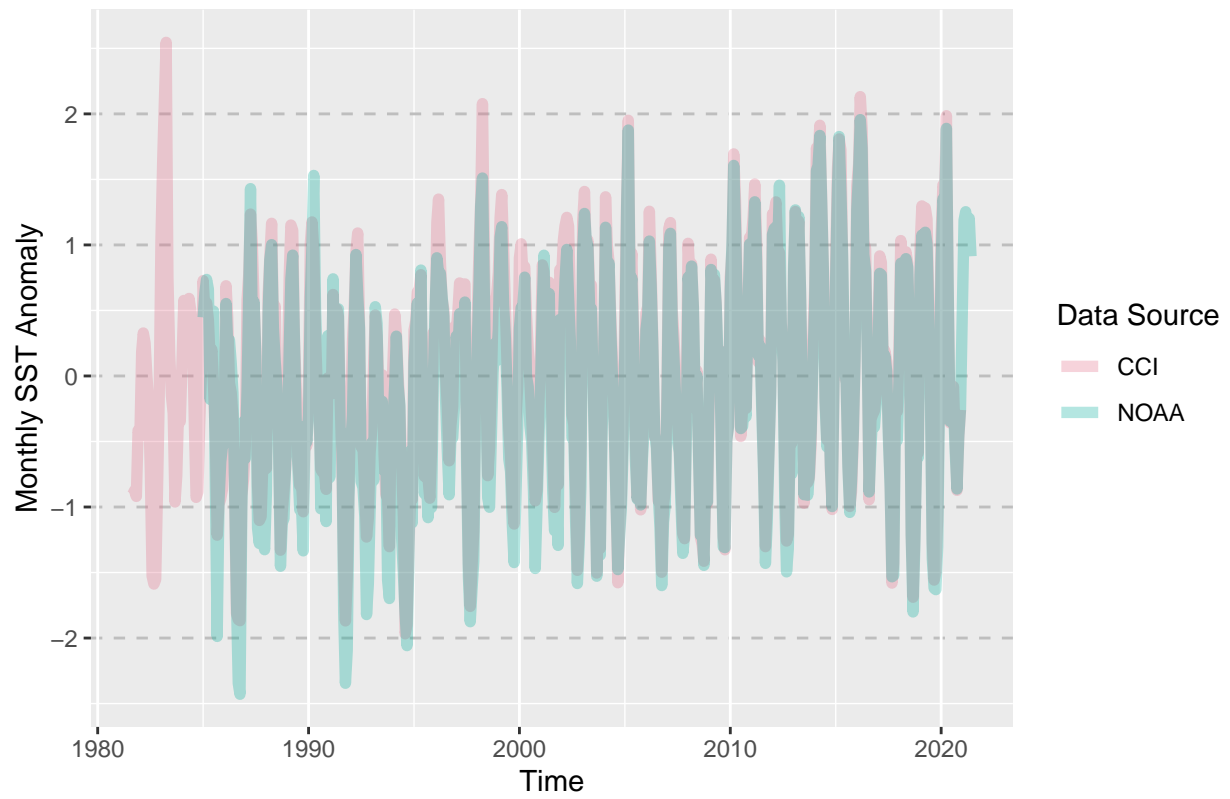
Time Series of BRS07 (−14.12, 123.55) Monthly SST Anomalies



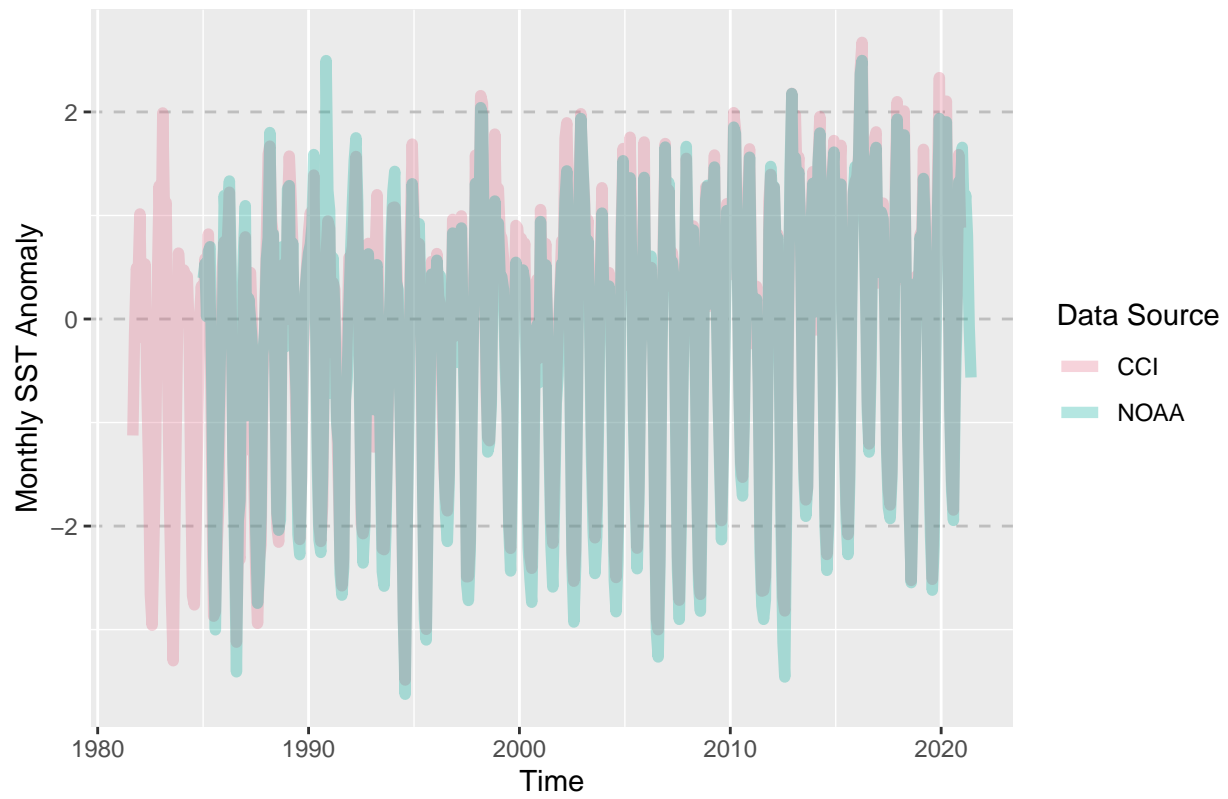
**Time Series of DAR3 (−12.10, 96.88) Monthly SST anomalies**



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



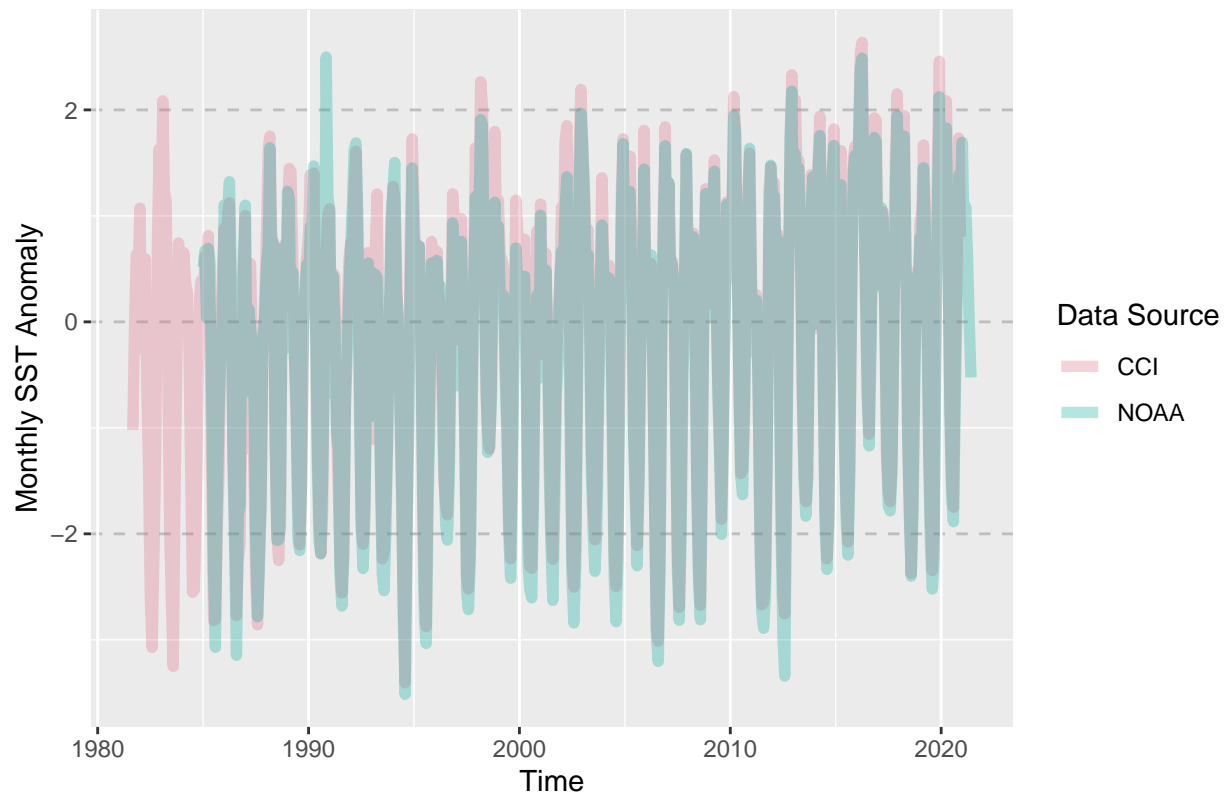
**Time Series of SCOTT\_RPO\_1 (−14.06, 121.78) Monthly SST Anomalies**



**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**

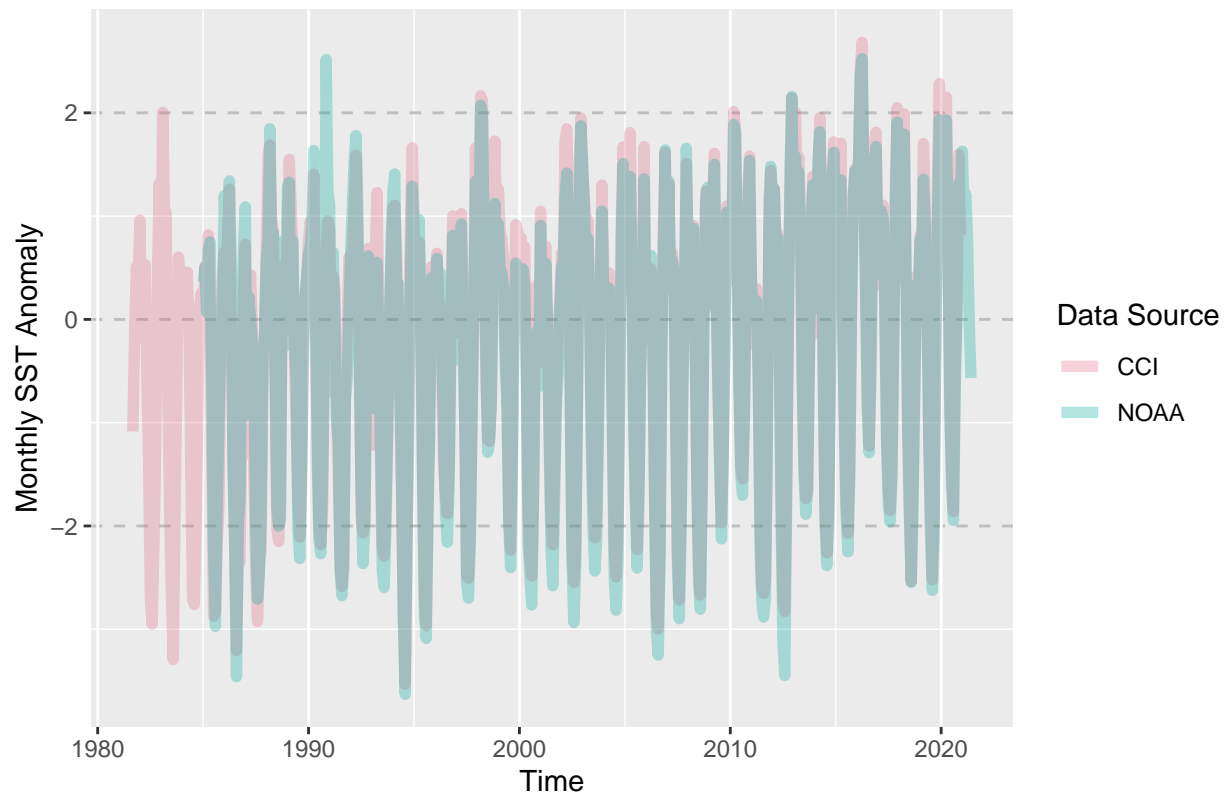




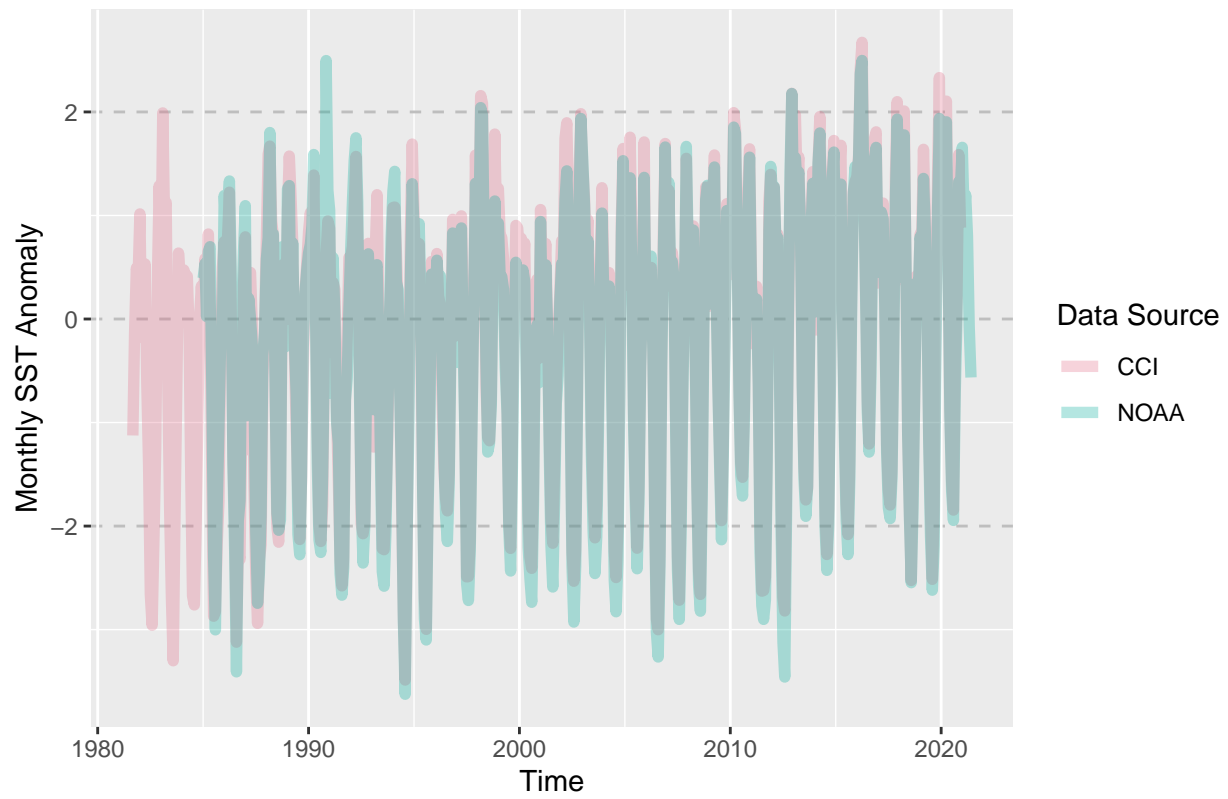
**Time Series of SCOTTSL1 (−14.08, 121.95) Monthly SST Anomalies**



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



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



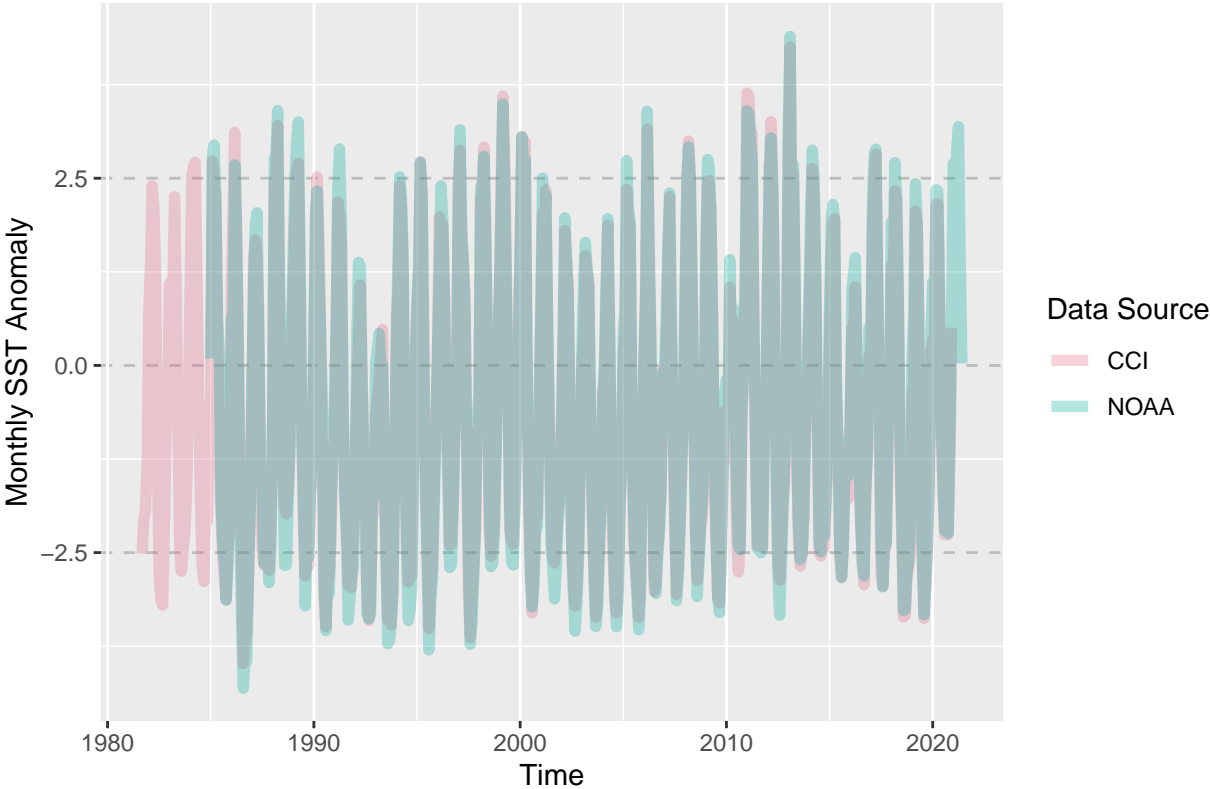
**Time Series of SCOTTSS1 (–14.08, 121.98) Monthly SST Anomalies**

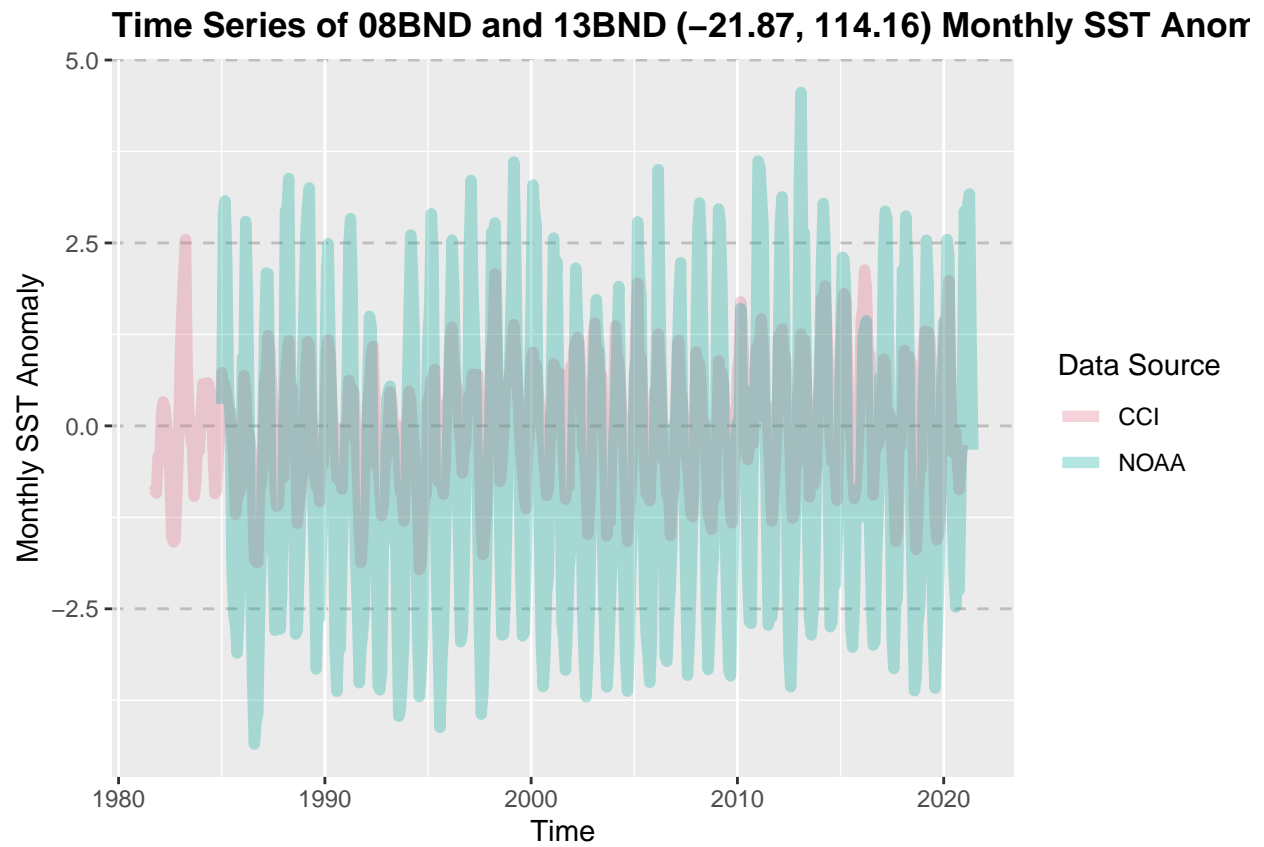


**Time Series of SCOTTSS2 (–13.92, 121.92) Monthly SST Anomalies**



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



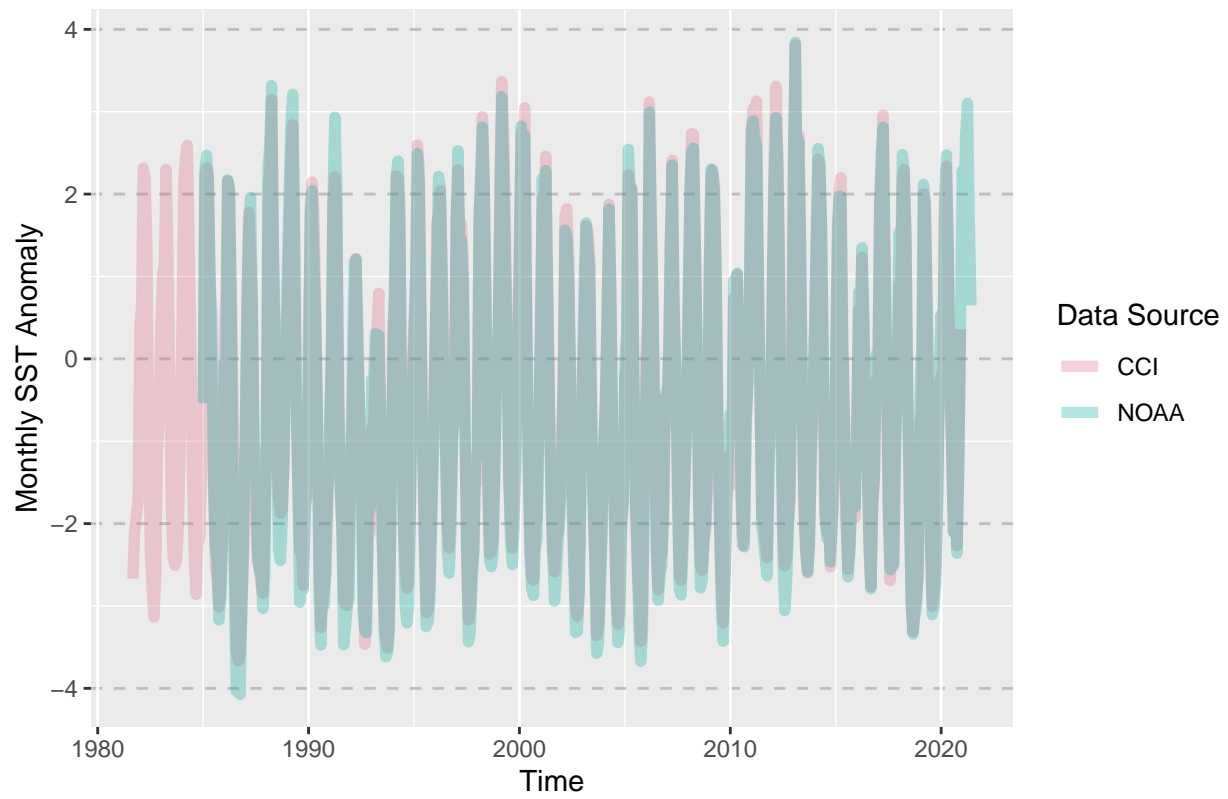


**Time Series of 08TNT and 13TNT (–21.91, 113.97) Monthly SST Anomal**

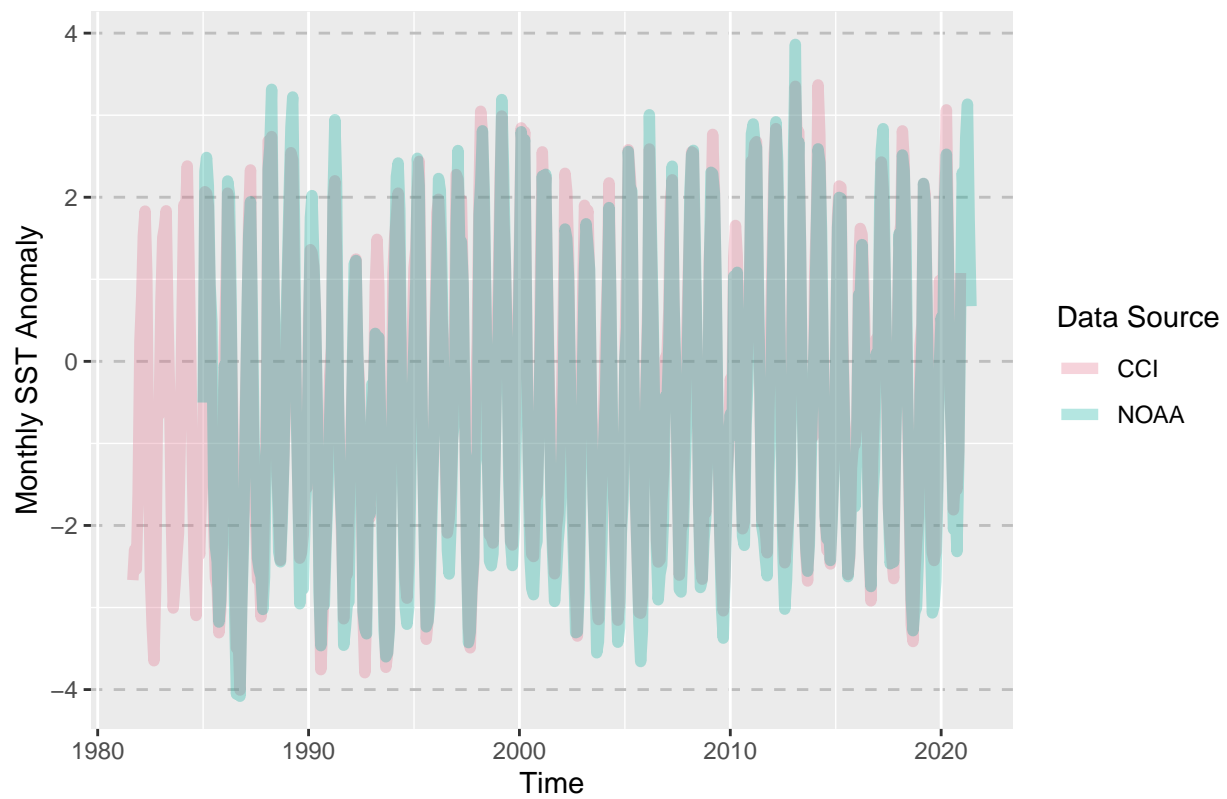




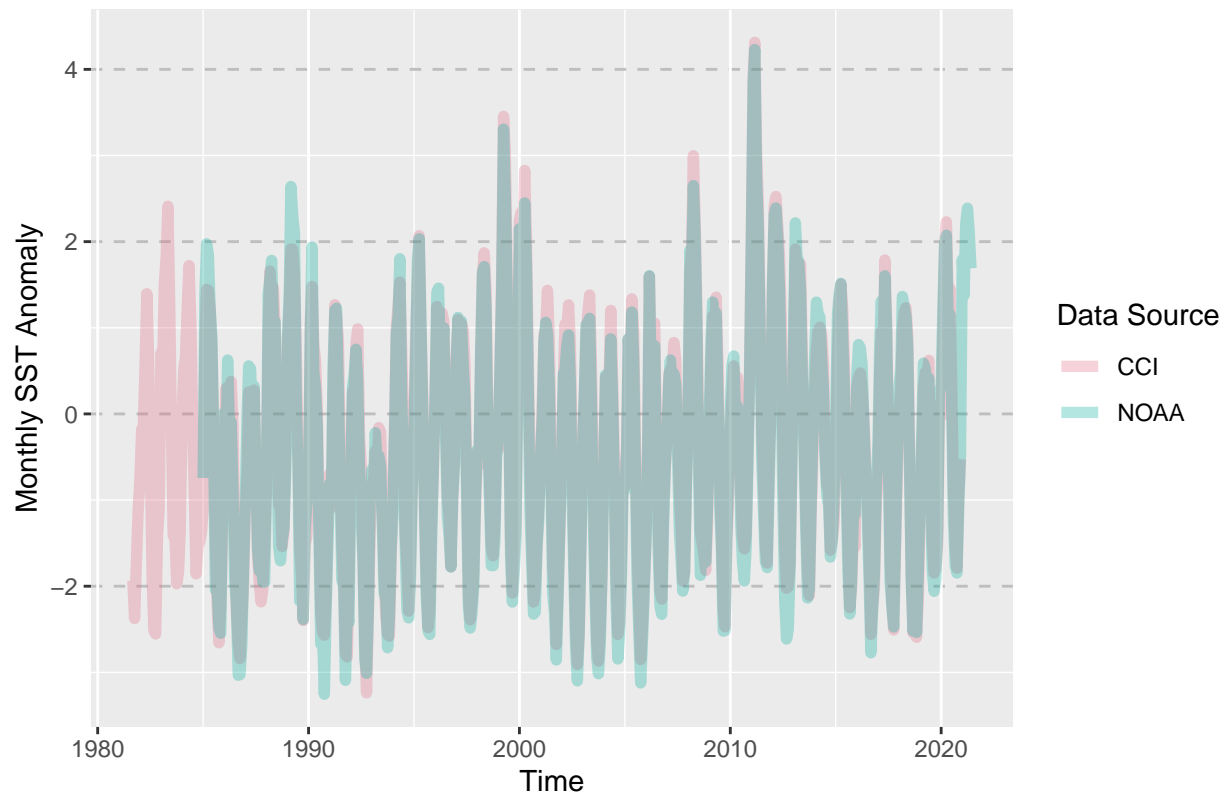
**Time Series of TNT (–21.9, 113.97) Monthly SST Anomalies**



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



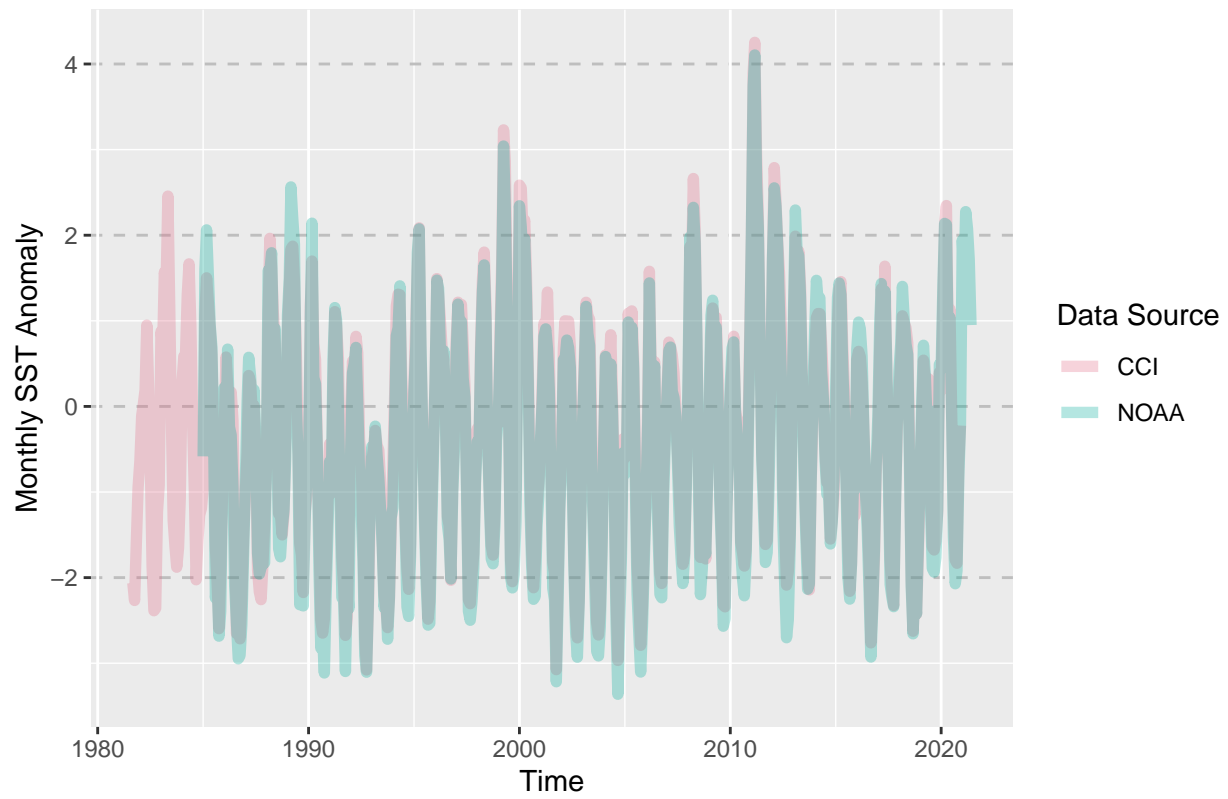
**Time Series of Wallabi Island (–28.28, 113.46) Monthly SST Anomalies**



**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

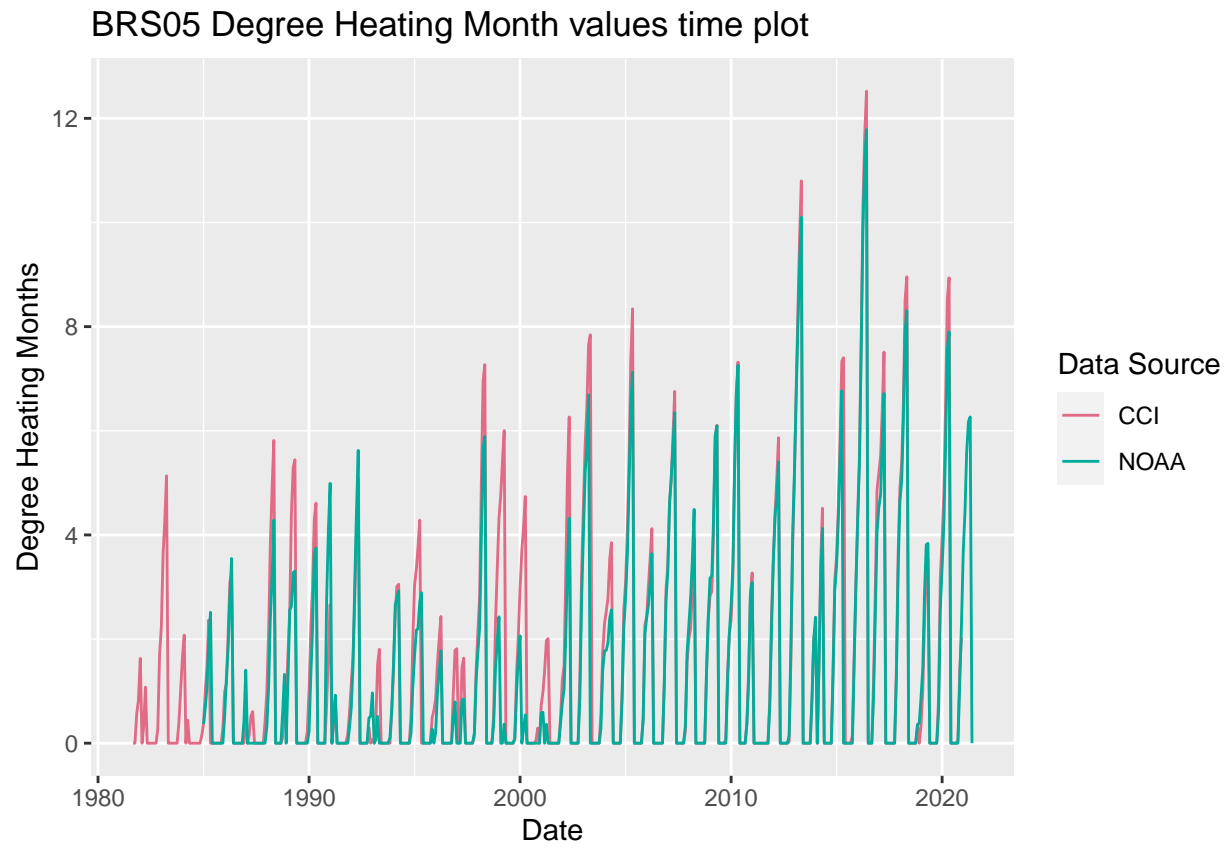


Table 1: Degree Heating Month values in BRS05 from CCI (left) and NOAA (right)

Date	DHM value	Date	DHM value
2016-Jun	12.5205476	2016-Jun	11.7824001
2016-May	11.6623697	2016-May	11.1651257
2013-May	10.7985376	2013-May	10.1032765
2016-Apr	10.2987081	2016-Apr	9.8773997
2013-Apr	9.7371359	2013-Apr	9.2368408
2018-May	8.9566376	2018-May	8.3082786
2020-May	8.9372527	2013-Mar	7.9392331
2020-Apr	8.5306903	2018-Apr	7.9086171
2018-Apr	8.5133015	2020-May	7.8981013
2005-May	8.3409019	2020-Apr	7.5639237
2013-Mar	8.2546232	2016-Mar	7.5004587
2003-May	7.8434147	2010-May	7.2572264
2016-Mar	7.7185320	2005-May	7.1211020
2003-Apr	7.6523349	2015-Apr	6.7677346
2017-Apr	7.5099775	2017-Apr	6.7167571
2015-May	7.4017883	2010-Apr	6.7130488
2005-Apr	7.3614340	2003-Apr	6.6902247
2015-Apr	7.3352232	2013-Feb	6.6869910
2010-May	7.3189359	2005-Apr	6.4743437
1998-May	7.2693418	2007-May	6.3474553
1998-Apr	6.9592297	2021-May	6.2652917
2013-Feb	6.8361264	2021-Apr	6.1765979
2007-May	6.7556708	2018-Mar	6.1506761
2010-Apr	6.7107596	2009-May	6.0891757
2018-Mar	6.4754564	2009-Apr	5.9111271
2020-Mar	6.4728480	1998-May	5.8898408
2003-Mar	6.4124899	2017-Mar	5.7568161
2017-Mar	6.3904694	2007-Apr	5.7158583
2002-May	6.2649812	2020-Mar	5.7063159
2009-May	6.1066098	2003-Mar	5.6772836
1999-Apr	6.0040038	1998-Apr	5.6572761
2007-Apr	5.9068496	1992-May	5.6227731
2009-Apr	5.8910126	2021-Mar	5.5799902
2012-Apr	5.8663686	2015-Mar	5.4604603
1988-May	5.8129768	2016-Feb	5.4188617
2015-Mar	5.7993810	2012-Apr	5.4033119
2003-Feb	5.7488267	2013-Jan	5.2164309
2016-Feb	5.5258417	2003-Feb	5.1972995
2017-Feb	5.5251933	2010-Mar	5.1944411
1989-May	5.4430534	2007-Mar	5.0825839
2005-Mar	5.4219237	2018-Feb	5.0329501
2018-Feb	5.3830843	1991-Jan	4.9907156
1999-Mar	5.3818295	2005-Mar	4.9357360
1989-Apr	5.2935838	2017-Feb	4.7710255
2002-Apr	5.1951881	2012-Mar	4.7000375
2017-Jan	5.1845157	2018-Jan	4.6495328
1983-Apr	5.1341216	2007-Feb	4.6119547
2010-Mar	5.1332467	2017-Jan	4.5301083
2013-Jan	5.0900904	2008-Apr	4.4898362
1992-May	5.0688017	2021-Feb	4.4812965
2012-Mar	5.0685219	1992-Apr	4.4495633
2007-Mar	5.0466717 <sup>23</sup>	2012-Feb	4.3587631
1998-Mar	4.9640532	2015-Feb	4.3314439
2018-Jan	4.9195517	2002-May	4.3203076
1988-Apr	4.9047980	1988-May	4.2840401

## BRS07 Degree Heating Months Time Series

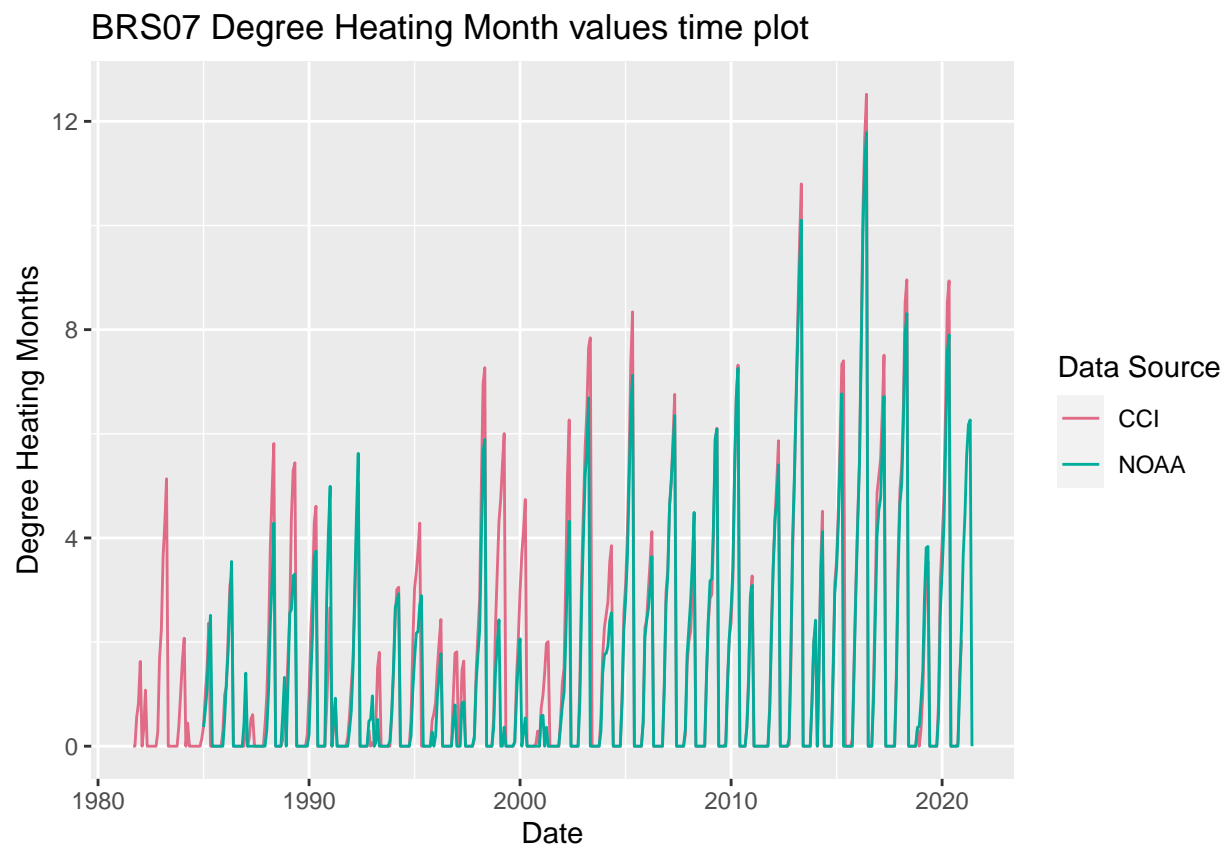




Table 2: Degree Heating Month values in BRS07 from CCI (left) and NOAA (right)

Date	DHM value	Date	DHM value
2016-Jun	12.5205476	2016-Jun	11.7824001
2016-May	11.6623697	2016-May	11.1651257
2013-May	10.7985376	2013-May	10.1032765
2016-Apr	10.2987081	2016-Apr	9.8773997
2013-Apr	9.7371359	2013-Apr	9.2368408
2018-May	8.9566376	2018-May	8.3082786
2020-May	8.9372527	2013-Mar	7.9392331
2020-Apr	8.5306903	2018-Apr	7.9086171
2018-Apr	8.5133015	2020-May	7.8981013
2005-May	8.3409019	2020-Apr	7.5639237
2013-Mar	8.2546232	2016-Mar	7.5004587
2003-May	7.8434147	2010-May	7.2572264
2016-Mar	7.7185320	2005-May	7.1211020
2003-Apr	7.6523349	2015-Apr	6.7677346
2017-Apr	7.5099775	2017-Apr	6.7167571
2015-May	7.4017883	2010-Apr	6.7130488
2005-Apr	7.3614340	2003-Apr	6.6902247
2015-Apr	7.3352232	2013-Feb	6.6869910
2010-May	7.3189359	2005-Apr	6.4743437
1998-May	7.2693418	2007-May	6.3474553
1998-Apr	6.9592297	2021-May	6.2652917
2013-Feb	6.8361264	2021-Apr	6.1765979
2007-May	6.7556708	2018-Mar	6.1506761
2010-Apr	6.7107596	2009-May	6.0891757
2018-Mar	6.4754564	2009-Apr	5.9111271
2020-Mar	6.4728480	1998-May	5.8898408
2003-Mar	6.4124899	2017-Mar	5.7568161
2017-Mar	6.3904694	2007-Apr	5.7158583
2002-May	6.2649812	2020-Mar	5.7063159
2009-May	6.1066098	2003-Mar	5.6772836
1999-Apr	6.0040038	1998-Apr	5.6572761
2007-Apr	5.9068496	1992-May	5.6227731
2009-Apr	5.8910126	2021-Mar	5.5799902
2012-Apr	5.8663686	2015-Mar	5.4604603
1988-May	5.8129768	2016-Feb	5.4188617
2015-Mar	5.7993810	2012-Apr	5.4033119
2003-Feb	5.7488267	2013-Jan	5.2164309
2016-Feb	5.5258417	2003-Feb	5.1972995
2017-Feb	5.5251933	2010-Mar	5.1944411
1989-May	5.4430534	2007-Mar	5.0825839
2005-Mar	5.4219237	2018-Feb	5.0329501
2018-Feb	5.3830843	1991-Jan	4.9907156
1999-Mar	5.3818295	2005-Mar	4.9357360
1989-Apr	5.2935838	2017-Feb	4.7710255
2002-Apr	5.1951881	2012-Mar	4.7000375
2017-Jan	5.1845157	2018-Jan	4.6495328
1983-Apr	5.1341216	2007-Feb	4.6119547
2010-Mar	5.1332467	2017-Jan	4.5301083
2013-Jan	5.0900904	2008-Apr	4.4898362
1992-May	5.0688017	2021-Feb	4.4812965
2012-Mar	5.0685219	1992-Apr	4.4495633
2007-Mar	5.0466717 <sup>25</sup>	2012-Feb	4.3587631
1998-Mar	4.9640532	2015-Feb	4.3314439
2018-Jan	4.9195517	2002-May	4.3203076
1988-Apr	4.9047980	1988-May	4.2840401

## DAR3 Degree Heating Months Time Series

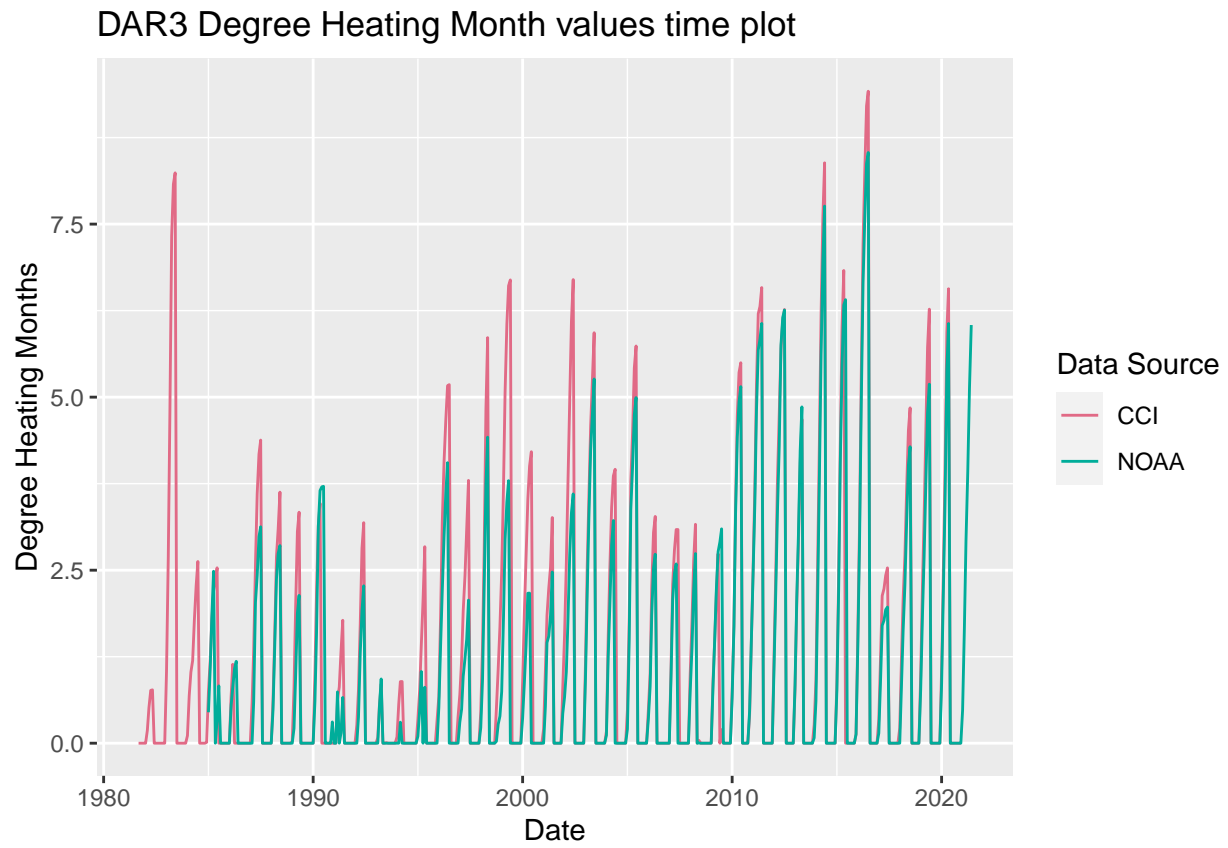


Table 3: Degree Heating Month values in DAR3 from CCI (left) and NOAA (right)

Date	DHM value	Date	DHM value
2016-Jul	9.4195498	2016-Jul	8.5340627
2016-Jun	9.2080689	2016-Jun	8.3718273
2014-Jun	8.3850759	2014-Jun	7.7602323
1983-Jun	8.2404716	2016-May	7.5679682
2016-May	8.2362960	2014-May	6.9683733
1983-May	8.0770310	2016-Apr	6.6415393
2014-May	7.5829705	2015-Jun	6.4080407
1983-Apr	7.3261953	2015-May	6.3291816
2016-Apr	7.2102990	2012-Jul	6.2585333
2015-May	6.8296113	2012-Jun	6.1504914
2002-Jun	6.6984022	2011-Jun	6.0645945
1999-Jun	6.6934689	2020-May	6.0634507
1999-May	6.6087006	2021-Jun	6.0416943
2011-Jun	6.5831667	2011-May	5.8367354
2020-May	6.5655741	2012-May	5.7512990
2011-May	6.3107285	2011-Apr	5.6806290
2019-Jun	6.2710726	2014-Apr	5.6183959
2012-Jul	6.2658873	2015-Apr	5.4356559
2014-Apr	6.2163275	2020-Apr	5.3776669
2011-Apr	6.2047302	2003-Jun	5.2623487
2012-Jun	6.1073062	2019-Jun	5.1870799
2002-May	6.0962959	2010-Jun	5.1511644
1999-Apr	6.0520551	2021-May	5.1281686
2015-Apr	6.0032938	2005-Jun	4.9931475
2020-Apr	5.9386083	2010-May	4.9296386
2003-Jun	5.9305607	2016-Mar	4.9036802
1998-May	5.8594199	2013-May	4.8590626
2005-Jun	5.7388721	2011-Mar	4.8011033
2019-May	5.7152980	2019-May	4.7685541
2012-May	5.6955360	2003-May	4.7491563
2010-Jun	5.4971043	2005-May	4.7436217
2005-May	5.4204338	2010-Apr	4.4261129
2010-May	5.3553313	1998-May	4.4216678
2016-Mar	5.3195259	2012-Apr	4.2955152
2003-May	5.2364571	2018-Jul	4.2833034
1996-Jul	5.1801014	2003-Apr	4.2324048
2011-Mar	5.1776249	2013-Apr	4.2210207
1996-Jun	5.1660397	1996-Jun	4.0524525
1999-Mar	5.0682837	2015-Mar	4.0411302
2002-Apr	4.9525562	2018-Jun	4.0149389
2018-Jul	4.8449536	2005-Apr	3.9952573
1998-Apr	4.8198741	2021-Apr	3.9249654
1983-Mar	4.7800897	1999-May	3.7930822
2012-Apr	4.7534082	2014-Mar	3.7828702
2010-Apr	4.7390121	2019-Apr	3.7637381
2013-May	4.6801326	1998-Apr	3.7287873
1996-May	4.6592683	1990-Jul	3.7109747
2003-Apr	4.5807831	1990-Jun	3.7042231
2018-Jun	4.5212134	1990-May	3.6496974
2019-Apr	4.5176899	2002-Jun	3.6015925
2005-Apr	4.4825007	1996-May	3.5965934
1987-Jul	4.3798032	2020-Mar	3.4881411
2014-Mar	4.3028859	1999-Apr	3.4853629
2015-Mar	4.2771874	2011-Feb	3.4717711
2000-Jun	4.2111150	2005-Mar	3.3777316

# DAR Long Degree Heating Months Time Series

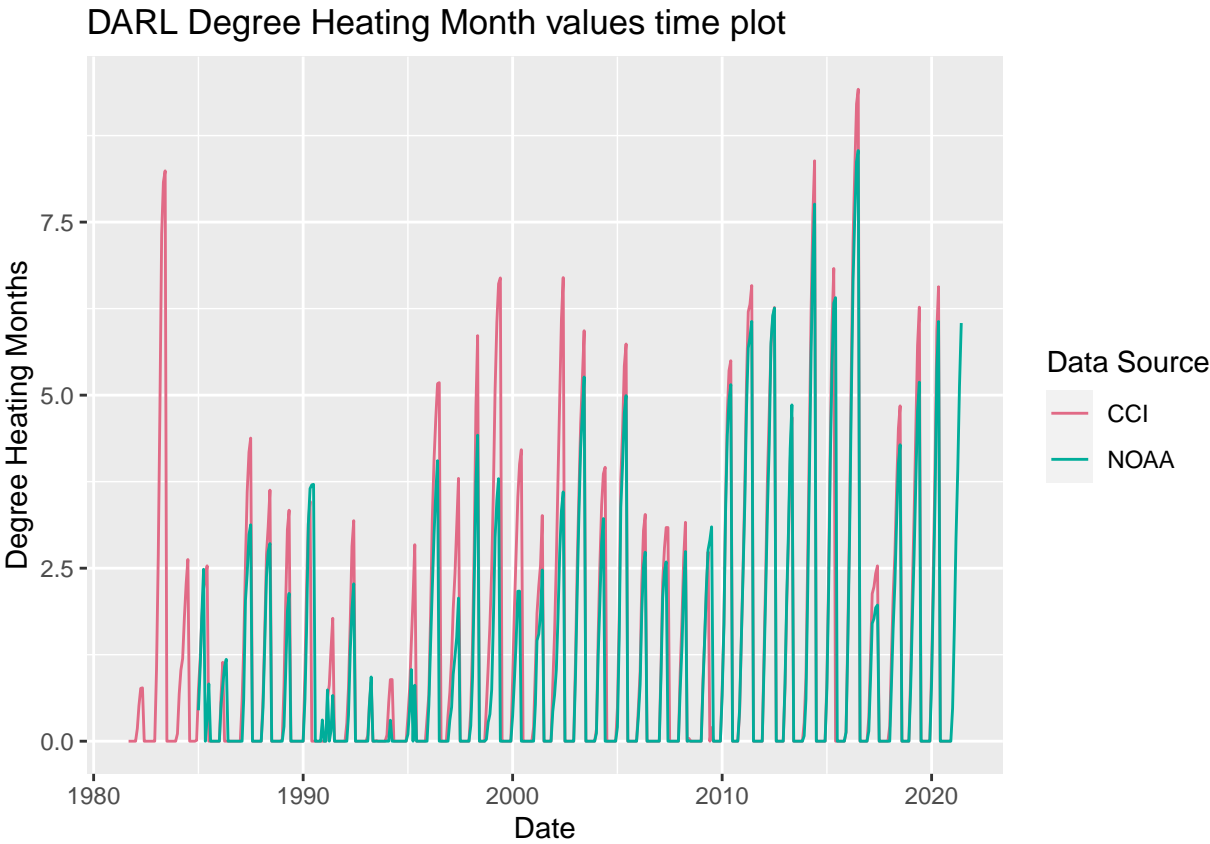


Table 4: Degree Heating Month values in DARL from CCI (left) and NOAA (right)

Date	DHM value	Date	DHM value
2016-Jul	9.4195498	2016-Jul	8.5340627
2016-Jun	9.2080689	2016-Jun	8.3718273
2014-Jun	8.3850759	2014-Jun	7.7602323
1983-Jun	8.2404716	2016-May	7.5679682
2016-May	8.2362960	2014-May	6.9683733
1983-May	8.0770310	2016-Apr	6.6415393
2014-May	7.5829705	2015-Jun	6.4080407
1983-Apr	7.3261953	2015-May	6.3291816
2016-Apr	7.2102990	2012-Jul	6.2585333
2015-May	6.8296113	2012-Jun	6.1504914
2002-Jun	6.6984022	2011-Jun	6.0645945
1999-Jun	6.6934689	2020-May	6.0634507
1999-May	6.6087006	2021-Jun	6.0416943
2011-Jun	6.5831667	2011-May	5.8367354
2020-May	6.5655741	2012-May	5.7512990
2011-May	6.3107285	2011-Apr	5.6806290
2019-Jun	6.2710726	2014-Apr	5.6183959
2012-Jul	6.2658873	2015-Apr	5.4356559
2014-Apr	6.2163275	2020-Apr	5.3776669
2011-Apr	6.2047302	2003-Jun	5.2623487
2012-Jun	6.1073062	2019-Jun	5.1870799
2002-May	6.0962959	2010-Jun	5.1511644
1999-Apr	6.0520551	2021-May	5.1281686
2015-Apr	6.0032938	2005-Jun	4.9931475
2020-Apr	5.9386083	2010-May	4.9296386
2003-Jun	5.9305607	2016-Mar	4.9036802
1998-May	5.8594199	2013-May	4.8590626
2005-Jun	5.7388721	2011-Mar	4.8011033
2019-May	5.7152980	2019-May	4.7685541
2012-May	5.6955360	2003-May	4.7491563
2010-Jun	5.4971043	2005-May	4.7436217
2005-May	5.4204338	2010-Apr	4.4261129
2010-May	5.3553313	1998-May	4.4216678
2016-Mar	5.3195259	2012-Apr	4.2955152
2003-May	5.2364571	2018-Jul	4.2833034
1996-Jul	5.1801014	2003-Apr	4.2324048
2011-Mar	5.1776249	2013-Apr	4.2210207
1996-Jun	5.1660397	1996-Jun	4.0524525
1999-Mar	5.0682837	2015-Mar	4.0411302
2002-Apr	4.9525562	2018-Jun	4.0149389
2018-Jul	4.8449536	2005-Apr	3.9952573
1998-Apr	4.8198741	2021-Apr	3.9249654
1983-Mar	4.7800897	1999-May	3.7930822
2012-Apr	4.7534082	2014-Mar	3.7828702
2010-Apr	4.7390121	2019-Apr	3.7637381
2013-May	4.6801326	1998-Apr	3.7287873
1996-May	4.6592683	1990-Jul	3.7109747
2003-Apr	4.5807831	1990-Jun	3.7042231
2018-Jun	4.5212134	1990-May	3.6496974
2019-Apr	4.5176899	2002-Jun	3.6015925
2005-Apr	4.4825007	1996-May	3.5965934
1987-Jul	4.3798032	2020-Mar	3.4881411
2014-Mar	4.3028859	1999-Apr	3.4853629
2015-Mar	4.2771874	2011-Feb	3.4717711
2000-Jun	4.2111150	2005-Mar	3.3777316

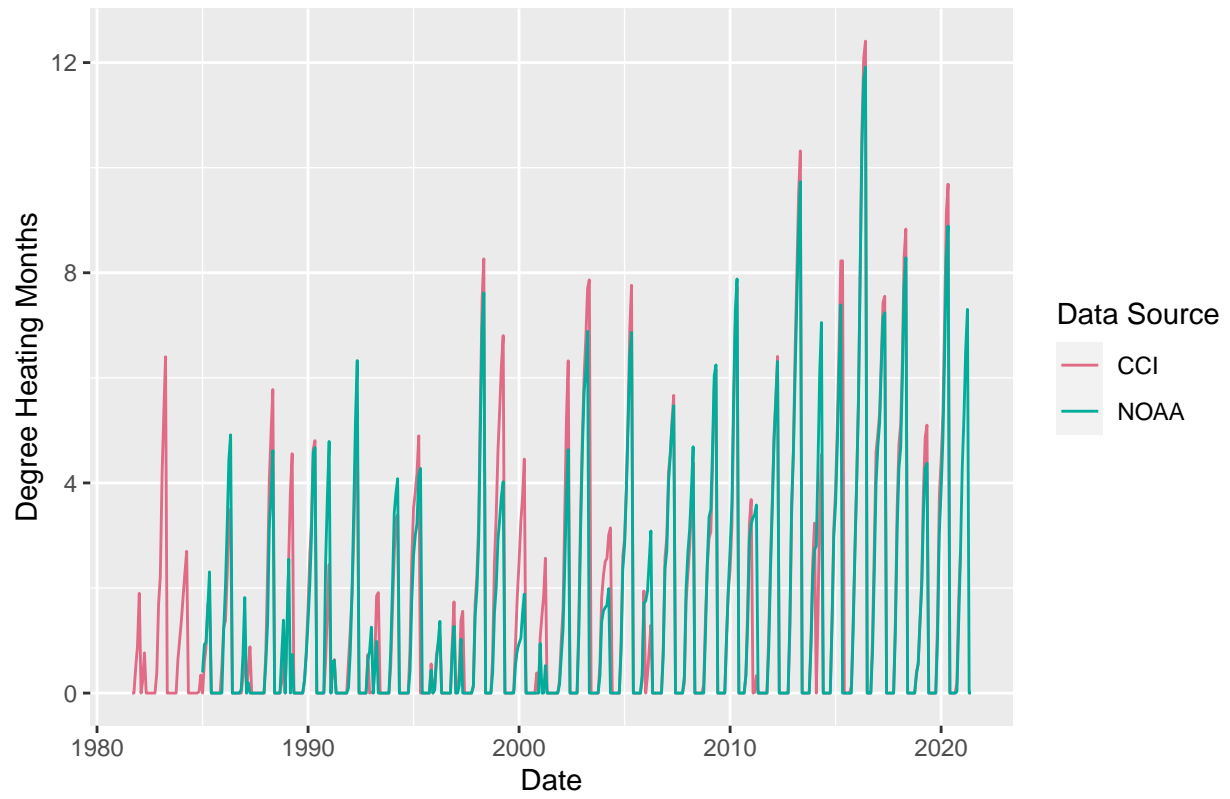
## SCOTT\_RPO\_1 Degree Heating Months Time Series

\begin{table} \caption{Degree Heating Month values in SCOTT\_RPO\_1 from CCI (left) and NOAA (right)}

Date	DHM value	Date	DHM value
2016-Jun	12.4082916	2016-Jun	11.9138391
2016-May	12.0759451	2016-May	11.6591867
2016-Apr	10.7206311	2016-Apr	10.4287064
2013-May	10.3185778	2013-May	9.7324692
2020-May	9.6855759	2020-May	8.8896005
2013-Apr	9.5161665	2013-Apr	8.8648921
2020-Apr	9.1367096	2018-May	8.2856919
2018-May	8.8316770	2020-Apr	8.2849266
2018-Apr	8.3024935	2016-Mar	7.9313873
1998-May	8.2634278	2010-May	7.8813840
2015-May	8.2270036	2018-Apr	7.7423084
2015-Apr	8.2255586	1998-May	7.6177188
2016-Mar	8.0482841	2013-Mar	7.4455730
2013-Mar	7.9508183	2015-Apr	7.3885250
2003-May	7.8649148	2021-Apr	7.3028709
2005-May	7.7615507	2010-Apr	7.2634843
2010-May	7.7360120	2017-May	7.2388090
2003-Apr	7.6999232	2017-Apr	7.1480061
2017-May	7.5525221	2014-May	7.0515645
1998-Apr	7.4929496	1998-Apr	6.9301417
2017-Apr	7.4362385	2003-Apr	6.8855764
2020-Mar	7.0323640	2005-May	6.8636981
2010-Apr	7.0216626	2021-Mar	6.4995518
2005-Apr	6.9397824	2005-Apr	6.4193468
1999-Apr	6.8038763	2020-Mar	6.3802742
2003-Mar	6.7409104	1992-May	6.3284494
2013-Feb	6.6122771	2012-Apr	6.3096429
2015-Mar	6.5478793	2009-May	6.2453886
2012-Apr	6.4072069	2017-Mar	6.1803537
1983-Apr	6.4009320	2013-Feb	6.1544475
2002-May	6.3245939	2003-Mar	6.1265907
2017-Mar	6.3165588	2014-Apr	6.1026970
2018-Mar	6.2931440	2015-Mar	6.0855392
1999-Mar	6.2211941	2009-Apr	6.0413598
2009-May	6.1625323	2018-Mar	5.9639893
2003-Feb	6.0578524	2003-Feb	5.7396587
2009-Apr	5.8359274	2016-Feb	5.5641327
1988-May	5.7768698	2012-Mar	5.5239906
2007-May	5.6659073	2010-Mar	5.4718319
2016-Feb	5.6332925	2007-May	5.4685959
2012-Mar	5.5885282	2021-Feb	5.3019747
1999-Feb	5.4345919	1992-Apr	5.2021626
1998-Mar	5.4102685	2017-Feb	5.1466475
1992-May	5.3415519	2007-Apr	5.0703737
2017-Feb	5.3225336	2005-Mar	5.0550277
2020-Feb	5.3183375	1998-Mar	4.9608226
1983-Mar	5.2752495	1986-May	4.9149409
2002-Apr	5.2479890	2020-Feb	4.8262455
2010-Mar	5.1896488	2012-Feb	4.8060909
2015-Feb	5.1867580	2015-Feb	4.7989299
2005-Mar	5.1837685	1991-Jan	4.7892152
2007-Apr	5.1738213	2017-Jan	4.6948999
2018-Feb	5.1104059	2008-Apr	4.6881661
2019-May	5.0998979	2018-Feb	4.6793154
1988-Apr	4.9751053	1990-May	4.6701144
2017-Jan	4.9317581	2002-May	4.6352761
2012-Feb	4.9257048	2003-Jan	4.6350540

\end{table}

SCOTT\_RPO\_1 Degree Heating Month values time plot



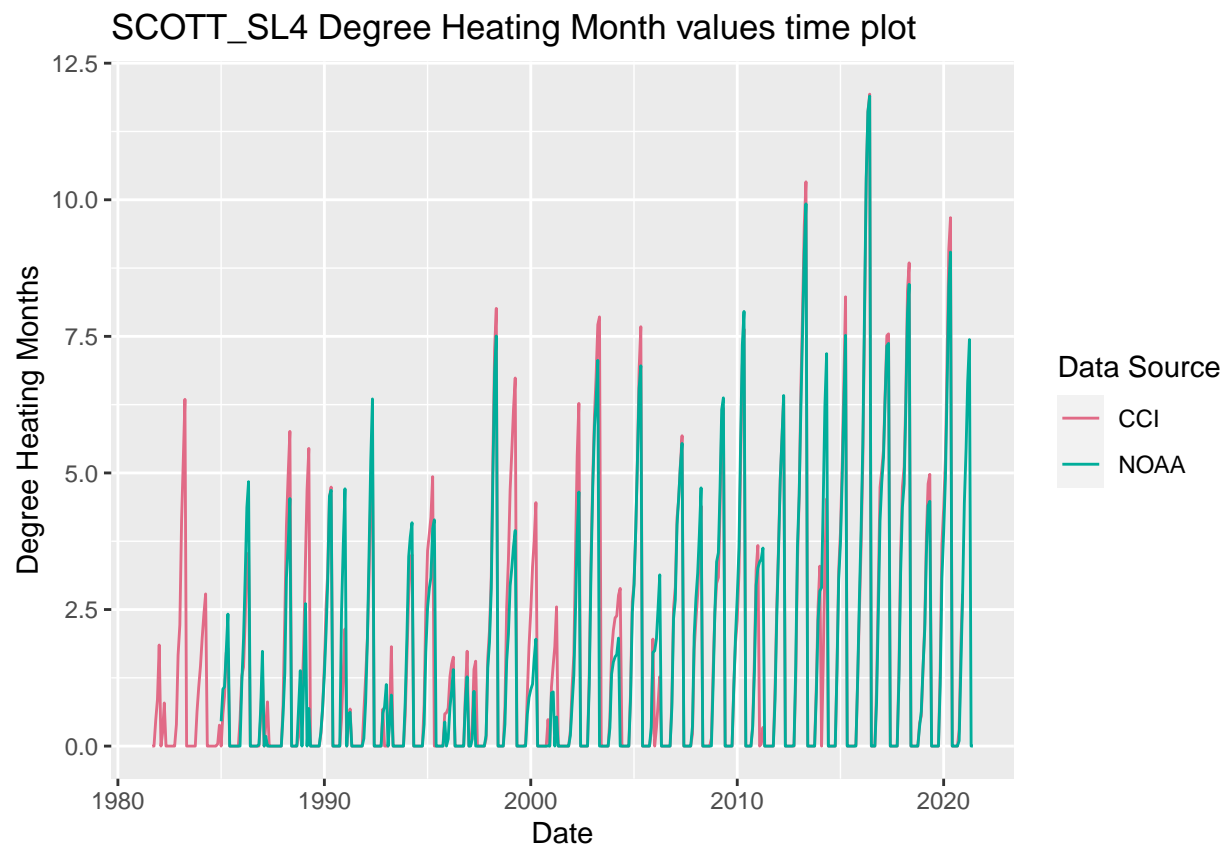


## SCOTT\_SL4 Degree Heating Months Time Series

\begin{table} \caption{Degree Heating Month values in SCOTT\_SL4 from CCI (left) and NOAA (right)}

Date	DHM value	Date	DHM value
2016-Jun	11.9332620	2016-Jun	11.8976702
2016-May	11.6096382	2016-May	11.6145759
2013-May	10.3282707	2016-Apr	10.4069224
2016-Apr	10.3266579	2013-May	9.9250051
2020-May	9.6715957	2013-Apr	9.0492871
2013-Apr	9.5301291	2020-May	9.0423656
2020-Apr	9.0892606	2018-May	8.4516681
2018-May	8.8448296	2020-Apr	8.4089057
2018-Apr	8.3344333	2010-May	7.9558271
2015-Apr	8.2229064	2018-Apr	7.9291759
1998-May	8.0112755	2016-Mar	7.9208280
2013-Mar	7.9375092	2013-Mar	7.5731928
2003-May	7.8561472	2015-Apr	7.5190438
2003-Apr	7.7147833	1998-May	7.5067979
2005-May	7.6762158	2021-Apr	7.4408409
2016-Mar	7.6710334	2017-May	7.3708961
2010-May	7.6322964	2010-Apr	7.3426897
2017-May	7.5456111	2017-Apr	7.3245329
2017-Apr	7.5123119	2014-May	7.1824930
1998-Apr	7.2637813	2003-Apr	7.0604194
2020-Mar	6.9843054	2005-May	6.9609361
2010-Apr	6.9618994	1998-Apr	6.8355960
2005-Apr	6.8974322	2021-Mar	6.6624132
2003-Mar	6.7404932	2005-Apr	6.5481214
1999-Apr	6.7373297	2020-Mar	6.4851447
2015-Mar	6.6039477	2012-Apr	6.4172071
2013-Feb	6.5867897	2009-May	6.3742947
2017-Mar	6.4170216	1992-May	6.3542568
2012-Apr	6.3937974	2017-Mar	6.3441052
1983-Apr	6.3471106	2003-Mar	6.2916583
2018-Mar	6.3124779	2013-Feb	6.2323135
2002-May	6.2716046	2014-Apr	6.2277427
2009-May	6.1820330	2015-Mar	6.2082828
1999-Mar	6.1590398	2009-Apr	6.1614799
2003-Feb	6.0594525	2018-Mar	6.1227482
2009-Apr	5.9084088	2003-Feb	5.8427145
1988-May	5.7602552	2012-Mar	5.6121128
2007-May	5.6805558	2007-May	5.5400836
2012-Mar	5.5755081	2010-Mar	5.5399287
1989-Apr	5.4484421	2016-Feb	5.5322068
1999-Feb	5.4338057	2021-Feb	5.4521791
2017-Feb	5.4272710	2017-Feb	5.2880646
1992-May	5.4243377	1992-Apr	5.2356356
2002-Apr	5.3086306	2005-Mar	5.1783603
2020-Feb	5.2584245	2007-Apr	5.1153333
1998-Mar	5.2384902	2015-Feb	4.9061132
2015-Feb	5.2300024	2020-Feb	4.8974912
2016-Feb	5.2067669	1998-Mar	4.8908350
2010-Mar	5.1679418	2012-Feb	4.8731690
2005-Mar	5.1601427	1986-May	4.8397129
1983-Mar	5.1571579	2017-Jan	4.8250655
2007-Apr	5.1517732	2018-Feb	4.8018689
2018-Feb	5.1114363	2008-Apr	4.7262831
2017-Jan	5.0504365	2003-Jan	4.7093583
1988-Apr	4.9805038	1991-Jan	4.7091647
2019-May	4.9736156	1990-May	4.6814315
1995-Apr	4.9307000	2002-May	4.6409186

\end{table}



## 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
2016-Jun	13.4373454	2016-Jun	12.4424528
2016-May	13.1114418	2016-May	12.2318993
2016-Apr	11.7717333	2016-Apr	11.0441953
2013-May	10.8334463	2013-May	9.9943382
2020-May	10.3866495	2013-Apr	9.3288922
2013-Apr	10.1530938	2020-May	9.2661664
2020-Apr	9.8175856	2020-Apr	8.6949139
2018-May	9.2824566	2016-Mar	8.5569751
2016-Mar	9.1344986	2018-May	8.5264222
1998-May	9.0445830	2010-May	8.0820289
2018-Apr	8.6962980	2018-Apr	7.9616214
2013-Mar	8.6275279	2013-Mar	7.8790054
2015-Apr	8.3479686	1998-May	7.4769060
2003-May	8.3081410	2010-Apr	7.4707765
1998-Apr	8.2484241	2017-May	7.2923052
2003-Apr	8.1781100	2015-Apr	7.2595906
2010-May	7.9577497	2017-Apr	7.2278269
2005-May	7.9049206	2021-Apr	7.0907063
2017-May	7.7761695	2003-Apr	7.0063932
2020-Mar	7.7326834	2005-May	6.9873062
2017-Apr	7.6980745	1998-Apr	6.9508149
1983-Apr	7.5504515	2020-Mar	6.8663604
2010-Apr	7.3677194	2005-Apr	6.6692796
2003-Mar	7.3042083	2013-Feb	6.6061400
2013-Feb	7.2449167	1992-May	6.4988980
2005-Apr	7.2400503	2021-Mar	6.4644862
2018-Mar	6.7513952	2003-Mar	6.3681731
2002-May	6.7396709	2017-Mar	6.2486068
2015-Mar	6.7310677	2012-Apr	6.2423900
2017-Mar	6.6598397	2018-Mar	6.2087345
2012-Apr	6.6538169	2016-Feb	6.1654001
2003-Feb	6.6409515	2009-May	6.1240010
2016-Feb	6.5964032	2003-Feb	5.9849852
1999-Apr	6.4920498	2015-Mar	5.9663705
1983-Mar	6.4015499	2009-Apr	5.9395228
2009-May	6.2300511	2010-Mar	5.6908897
1998-Mar	6.2088548	2007-May	5.6681165
2007-May	6.0853726	2012-Mar	5.4631698
2009-Apr	5.9861511	1992-Apr	5.4595810
1999-Mar	5.9784814	2005-Mar	5.4390594
1992-May	5.9344965	2021-Feb	5.3771047
2020-Feb	5.9016853	2007-Apr	5.3442834
1988-May	5.8683024	2020-Feb	5.2654306
2012-Mar	5.8232502	2017-Feb	5.1715479
1989-Apr	5.6809562	1998-Mar	5.0975947
2002-Apr	5.6777049	2013-Jan	5.0228484
2005-Mar	5.6774798	2003-Jan	4.8699078
2007-Apr	5.6724367	2018-Feb	4.8445789
2017-Feb	5.6572294	2017-Jan	4.8400420
2019-May	5.6561393	1986-May	4.8096247
2010-Mar	5.5511511	2007-Mar	4.8043966
1990-May	5.5263616	2012-Feb	4.7722400
2019-Apr	5.4599806	2019-May	4.7644575
1995-Apr	5.4149287	1991-Jan	4.7346068
2003-Jan	5.3981234	2019-Apr	4.7051406
2015-Feb	5.3952320	2015-Feb	4.6893116
2018-Feb	5.3020098	2002-May	4.6848280

\end{table}

SCOTT\_SS3 Degree Heating Month values time plot



# SCOTTNR1 Degree Heating Months Time Series

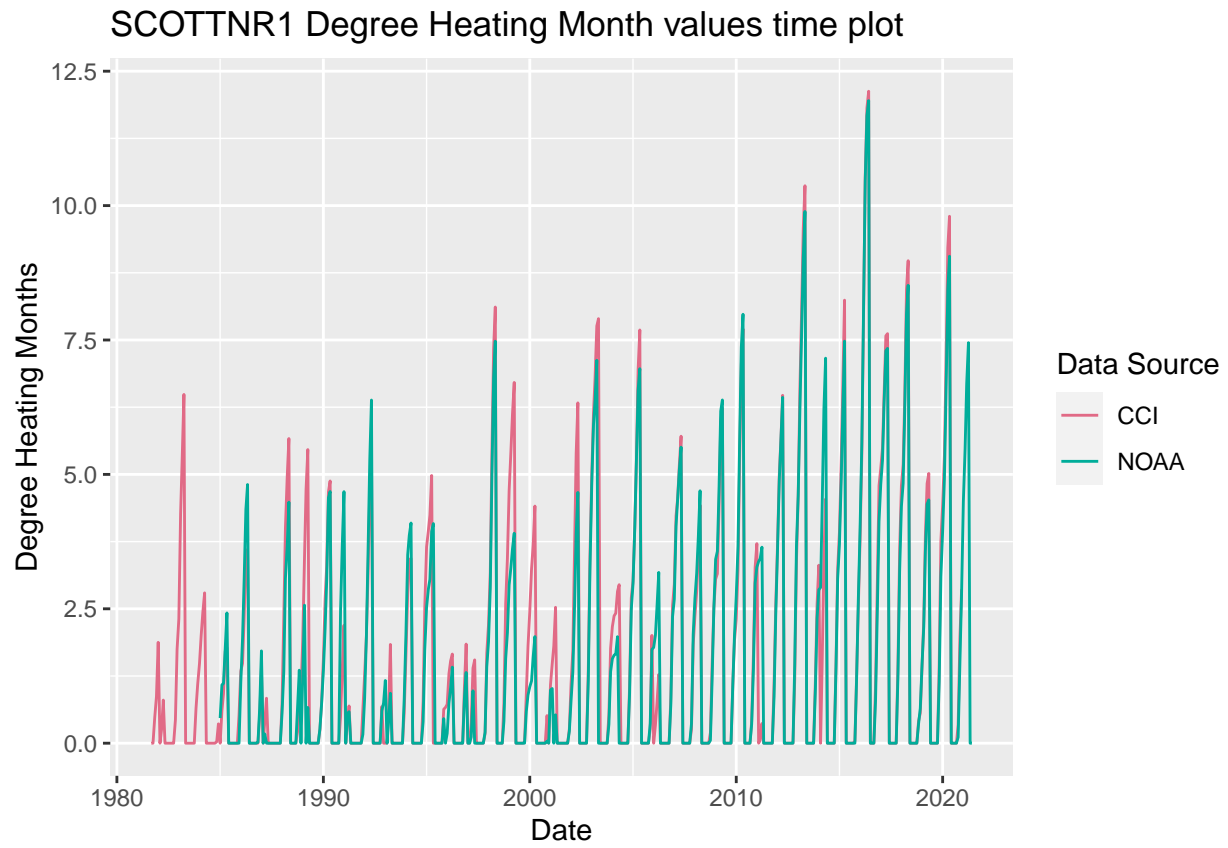


Table 5: Degree Heating Month values in SCOTTNR1 from CCI (left) and NOAA (right)

Date	DHM value	Date	DHM value
2016-Jun	12.1271739	2016-Jun	11.9524147
2016-May	11.8173063	2016-May	11.6732385
2016-Apr	10.5230445	2016-Apr	10.4621054
2013-May	10.3691221	2013-May	9.8901403
2020-May	9.8009649	2020-May	9.0582319
2013-Apr	9.5767937	2013-Apr	9.0351362
2020-Apr	9.2128296	2018-May	8.5171731
2018-May	8.9750000	2020-Apr	8.4329052
2018-Apr	8.4381550	2018-Apr	7.9863625
2015-Apr	8.2412570	2010-May	7.9786846
1998-May	8.1133344	2016-Mar	7.9779293
2013-Mar	7.9752584	2013-Mar	7.5606267
2003-May	7.8968254	2015-Apr	7.4779270
2016-Mar	7.8568465	1998-May	7.4767960
2003-Apr	7.7615956	2021-Apr	7.4500256
2010-May	7.7050973	2010-Apr	7.3685192
2005-May	7.6868009	2017-May	7.3443868
2017-May	7.6182457	2017-Apr	7.2977698
2017-Apr	7.5775269	2014-May	7.1620655
1998-Apr	7.3348747	2003-Apr	7.1225023
2020-Mar	7.0956256	2005-May	6.9661301
2010-Apr	7.0453471	1998-Apr	6.8014693
2005-Apr	6.9525347	2021-Mar	6.6798495
2003-Mar	6.7933957	2005-Apr	6.5695131
1999-Apr	6.7106412	2020-Mar	6.5167290
2013-Feb	6.6187398	2012-Apr	6.4326353
2015-Mar	6.6177257	2009-May	6.3851357
2017-Mar	6.4909951	1992-May	6.3830483
1983-Apr	6.4874597	2003-Mar	6.3716595
2012-Apr	6.4714685	2017-Mar	6.3209270
2018-Mar	6.4156236	2013-Feb	6.2214291
2002-May	6.3304404	2014-Apr	6.2144808
2009-May	6.2330560	2018-Mar	6.1801864
2003-Feb	6.1365515	2009-Apr	6.1765832
1999-Mar	6.1244410	2015-Mar	6.1744176
2009-Apr	5.9739514	2003-Feb	5.9143973
2007-May	5.7103297	2012-Mar	5.6261258
1988-May	5.6669002	2016-Feb	5.5816349
2012-Mar	5.6492677	2010-Mar	5.5700097
2017-Feb	5.4989892	2007-May	5.5065847
1992-May	5.4741860	2021-Feb	5.4809744
1989-Apr	5.4613235	1992-Apr	5.2699797
1999-Feb	5.4205004	2017-Feb	5.2685036
2002-Apr	5.3952070	2005-Mar	5.2123369
2016-Feb	5.3667740	2007-Apr	5.0983548
2020-Feb	5.3487812	2020-Feb	4.9204346
1998-Mar	5.3206747	2012-Feb	4.8895088
1983-Mar	5.2842581	2015-Feb	4.8858651
2015-Feb	5.2521709	1998-Mar	4.8696265
2010-Mar	5.2354826	2018-Feb	4.8361500
2005-Mar	5.2283350	2017-Jan	4.8154465
2007-Apr	5.1896137	1986-May	4.8117179
2018-Feb	5.1861998	2003-Jan	4.7788402
2017-Jan	5.1138609	2008-Apr	4.6950998
2019-May	5.0174435	1990-May	4.6813881



# SCOTTSL1 Degree Heating Months Time Series

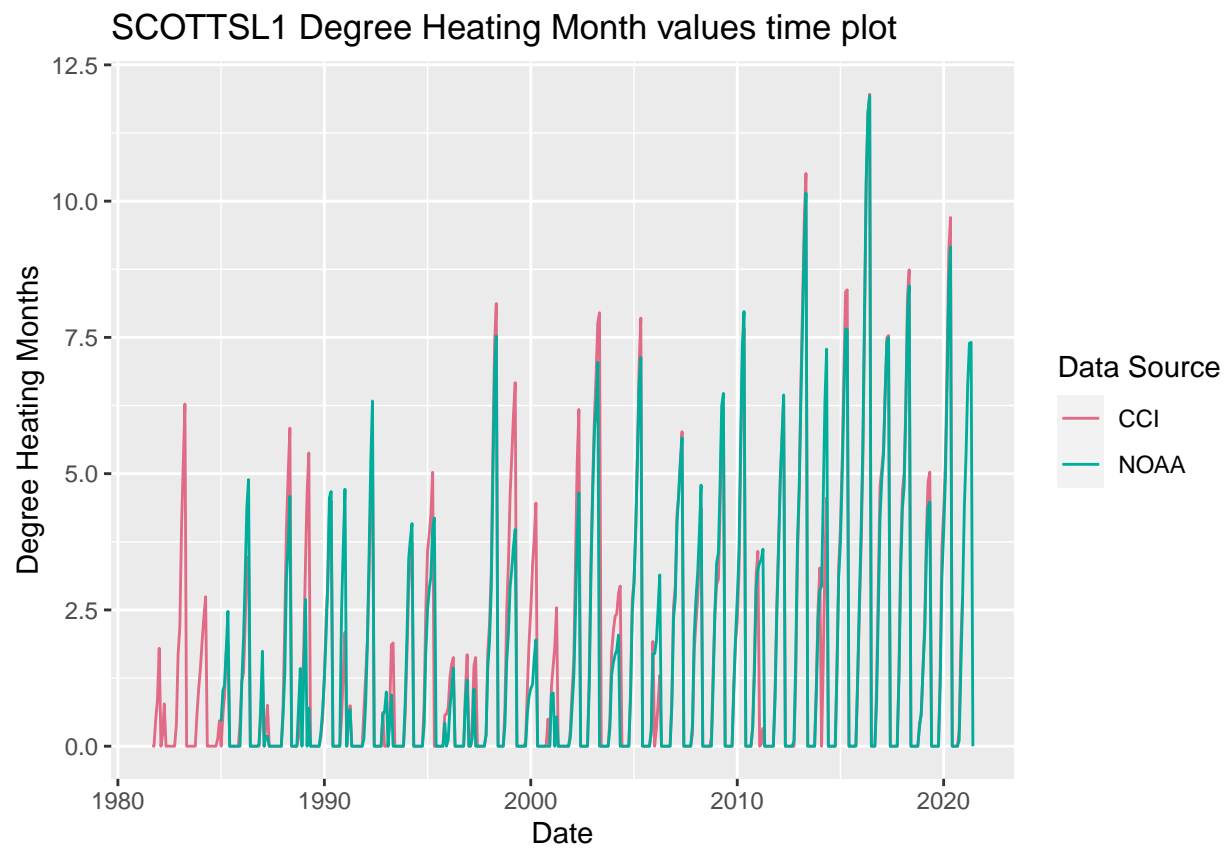


Table 6: Degree Heating Month values in SCOTTSL1 from CCI (left) and NOAA (right)

Date	DHM value	Date	DHM value
2016-Jun	11.9611947	2016-Jun	11.9328560
2016-May	11.6095643	2016-May	11.6218776
2013-May	10.5075259	2016-Apr	10.3999744
2016-Apr	10.3223314	2013-May	10.1479211
2020-May	9.6993594	2013-Apr	9.2456954
2013-Apr	9.6715830	2020-May	9.1606892
2020-Apr	9.0798678	2020-Apr	8.4816893
2018-May	8.7402012	2018-May	8.4458375
2015-May	8.3729962	2010-May	7.9744926
2015-Apr	8.3380197	2016-Mar	7.9033293
2018-Apr	8.2307098	2018-Apr	7.8981279
1998-May	8.1204520	2013-Mar	7.7453836
2013-Mar	8.0652865	2015-May	7.6476739
2003-May	7.9527327	2015-Apr	7.6473836
2005-May	7.8534970	1998-May	7.5281870
2003-Apr	7.7719560	2017-May	7.4953413
2010-May	7.6676028	2017-Apr	7.4202123
2016-Mar	7.6527007	2021-May	7.4091769
2017-May	7.5350296	2021-Apr	7.3943705
2017-Apr	7.4958633	2010-Apr	7.3474282
1998-Apr	7.3967705	2014-May	7.2856862
2005-Apr	6.9991697	2005-May	7.1319489
2010-Apr	6.9964982	2003-Apr	7.0418391
2020-Mar	6.9672348	1998-Apr	6.8698322
2003-Mar	6.7826598	2005-Apr	6.6426263
2015-Mar	6.7150534	2021-Mar	6.6237254
2013-Feb	6.6883753	2020-Mar	6.5343775
1999-Apr	6.6688104	2009-May	6.4723651
2017-Mar	6.4205655	2012-Apr	6.4441746
2012-Apr	6.4205389	2017-Mar	6.4352339
1983-Apr	6.2776016	2013-Feb	6.3850934
2018-Mar	6.2127443	1992-May	6.3333845
2009-May	6.2056803	2014-Apr	6.3002346
2002-May	6.1763788	2015-Mar	6.2930719
1999-Mar	6.0878465	2009-Apr	6.2443329
2003-Feb	6.0638139	2003-Mar	6.2398607
2009-Apr	5.9200619	2018-Mar	6.0814828
1988-May	5.8354764	2003-Feb	5.7882801
2007-May	5.7697846	2007-May	5.6578106
2012-Mar	5.5865762	2012-Mar	5.6285295
1992-May	5.4599416	2010-Mar	5.5341164
2017-Feb	5.4359125	2016-Feb	5.5075552
1999-Feb	5.3802931	2021-Feb	5.3973061
1989-Apr	5.3792753	2017-Feb	5.3591372
1998-Mar	5.3504726	2005-Mar	5.2389812
2015-Feb	5.3284642	1992-Apr	5.2047071
2005-Mar	5.2388703	2007-Apr	5.1981655
2007-Apr	5.2296487	2015-Feb	4.9763300
2020-Feb	5.2290339	2020-Feb	4.9344098
2010-Mar	5.2008685	1998-Mar	4.9125204
2002-Apr	5.1923715	2017-Jan	4.8998492
2016-Feb	5.1848205 <sup>42</sup>	1986-May	4.8904359
1983-Mar	5.1226367	2012-Feb	4.8795296
2017-Jan	5.0791877	2008-Apr	4.7901442
2019-May	5.0282218	2018-Feb	4.7808699

# SCOTTSL2 Degree Heating Months Time Series

SCOTTSL2 Degree Heating Month values time plot

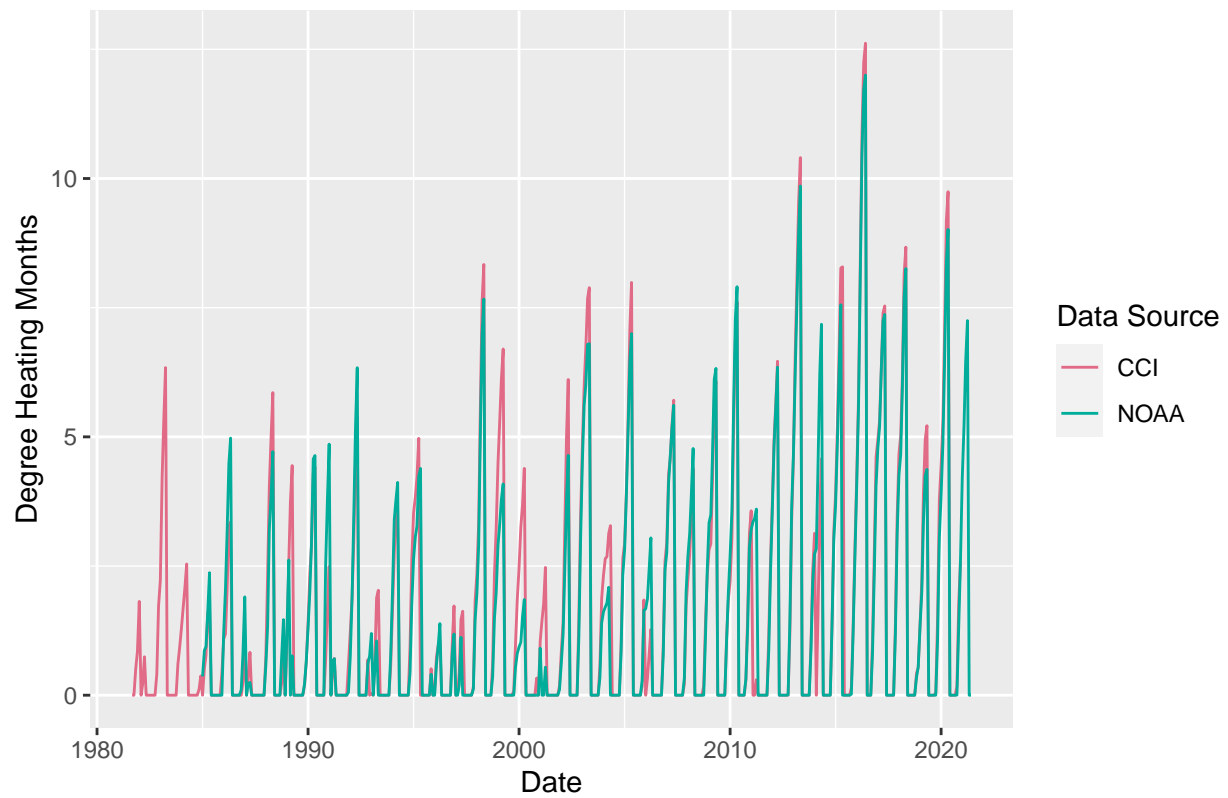


Table 7: Degree Heating Month values in SCOTTSL2 from CCI (left) and NOAA (right)

Date	DHM value	Date	DHM value
2016-Jun	12.6177782	2016-Jun	12.0003484
2016-May	12.2370876	2016-May	11.7131457
2016-Apr	10.8478392	2016-Apr	10.4402010
2013-May	10.4031583	2013-May	9.8546836
2020-May	9.7440161	2020-May	9.0147946
2013-Apr	9.5364880	2013-Apr	8.9527066
2020-Apr	9.1779932	2020-Apr	8.3702370
2018-May	8.6710357	2018-May	8.2556575
1998-May	8.3360649	2016-Mar	7.9166649
2015-May	8.2902504	2010-May	7.9049839
2015-Apr	8.2674522	2018-Apr	7.6981966
2016-Mar	8.1651466	1998-May	7.6661767
2018-Apr	8.1375967	2015-Apr	7.5548679
2005-May	7.9875164	2013-Mar	7.5225038
2013-Mar	7.9624654	2017-May	7.3672381
2003-May	7.8869047	2010-Apr	7.2668779
2003-Apr	7.6812038	2021-Apr	7.2491674
1998-Apr	7.6219786	2017-Apr	7.2475192
2010-May	7.6116253	2014-May	7.1783195
2017-May	7.5334047	2005-May	6.9972235
2017-Apr	7.3977062	1998-Apr	6.9838771
2005-Apr	7.0485904	2003-May	6.8023164
2020-Mar	7.0276411	2003-Apr	6.7906621
2010-Apr	6.8856016	2005-Apr	6.4520207
2003-Mar	6.7151819	2021-Mar	6.4459647
1999-Apr	6.7002517	2020-Mar	6.4397009
2013-Feb	6.6087021	2012-Apr	6.3504506
2015-Mar	6.5624289	1992-May	6.3377631
2012-Apr	6.4634736	2009-May	6.3241851
1983-Apr	6.3398866	2017-Mar	6.2663164
2017-Mar	6.2913492	2013-Feb	6.2402043
2018-Mar	6.1472412	2015-Mar	6.2033318
2002-May	6.1096422	2014-Apr	6.1824716
1999-Mar	6.1082288	2009-Apr	6.1122081
2009-May	6.0703230	2003-Mar	6.0017926
2003-Feb	6.0043187	2018-Mar	5.9046605
1988-May	5.8556453	2003-Feb	5.6140092
2016-Feb	5.7484797	2007-May	5.6095714
2009-Apr	5.7381701	2012-Mar	5.5569145
2007-May	5.7090418	2016-Feb	5.5556556
2012-Mar	5.6297830	2010-Mar	5.4653418
1998-Mar	5.5059577	2021-Feb	5.2320522
1992-May	5.3818765	2017-Feb	5.2169201
1999-Feb	5.3325315	1992-Apr	5.1870765
2017-Feb	5.3250056	2007-Apr	5.1798525
2020-Feb	5.3122622	2005-Mar	5.0684846
1983-Mar	5.3011963	1998-Mar	4.9866743
2005-Mar	5.2405662	1986-May	4.9756651
2007-Apr	5.2233421	2015-Feb	4.9020000
2015-Feb	5.2183426	2020-Feb	4.8670788
2019-May	5.2157975	1991-Jan	4.8588771
2010-Mar	5.0455818 <sup>44</sup>	2012-Feb	4.8230020
2018-Feb	5.0299300	2017-Jan	4.7745745
1988-Apr	4.9989789	2008-Apr	4.7739103
2002-Apr	4.9823311	1988-May	4.7135033

# SCOTTSL3 Degree Heating Months Time Series

SCOTTSL3 Degree Heating Month values time plot

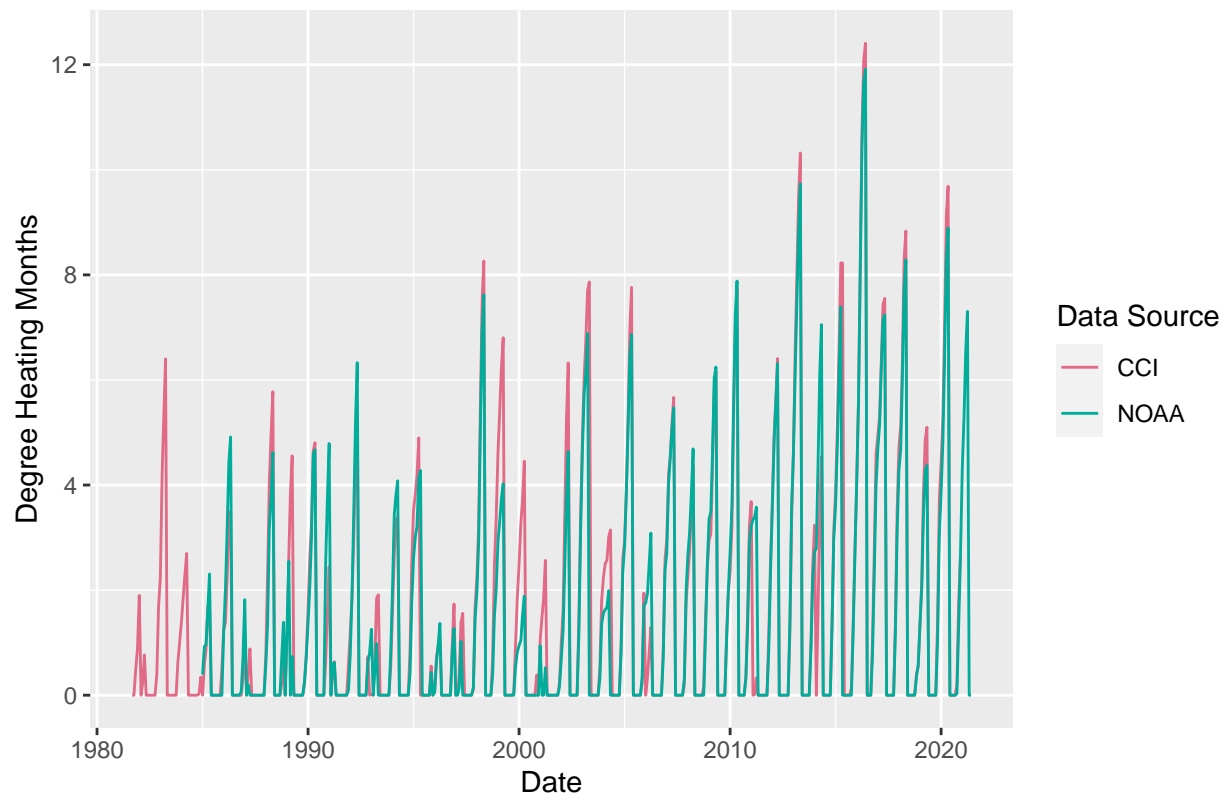


Table 8: Degree Heating Month values in SCOTTSL3 from CCI (left) and NOAA (right)

Date	DHM value	Date	DHM value
2016-Jun	12.4082916	2016-Jun	11.9138391
2016-May	12.0759451	2016-May	11.6591867
2016-Apr	10.7206311	2016-Apr	10.4287064
2013-May	10.3185778	2013-May	9.7324692
2020-May	9.6855759	2020-May	8.8896005
2013-Apr	9.5161665	2013-Apr	8.8648921
2020-Apr	9.1367096	2018-May	8.2856919
2018-May	8.8316770	2020-Apr	8.2849266
2018-Apr	8.3024935	2016-Mar	7.9313873
1998-May	8.2634278	2010-May	7.8813840
2015-May	8.2270036	2018-Apr	7.7423084
2015-Apr	8.2255586	1998-May	7.6177188
2016-Mar	8.0482841	2013-Mar	7.4455730
2013-Mar	7.9508183	2015-Apr	7.3885250
2003-May	7.8649148	2021-Apr	7.3028709
2005-May	7.7615507	2010-Apr	7.2634843
2010-May	7.7360120	2017-May	7.2388090
2003-Apr	7.6999232	2017-Apr	7.1480061
2017-May	7.5525221	2014-May	7.0515645
1998-Apr	7.4929496	1998-Apr	6.9301417
2017-Apr	7.4362385	2003-Apr	6.8855764
2020-Mar	7.0323640	2005-May	6.8636981
2010-Apr	7.0216626	2021-Mar	6.4995518
2005-Apr	6.9397824	2005-Apr	6.4193468
1999-Apr	6.8038763	2020-Mar	6.3802742
2003-Mar	6.7409104	1992-May	6.3284494
2013-Feb	6.6122771	2012-Apr	6.3096429
2015-Mar	6.5478793	2009-May	6.2453886
2012-Apr	6.4072069	2017-Mar	6.1803537
1983-Apr	6.4009320	2013-Feb	6.1544475
2002-May	6.3245939	2003-Mar	6.1265907
2017-Mar	6.3165588	2014-Apr	6.1026970
2018-Mar	6.2931440	2015-Mar	6.0855392
1999-Mar	6.2211941	2009-Apr	6.0413598
2009-May	6.1625323	2018-Mar	5.9639893
2003-Feb	6.0578524	2003-Feb	5.7396587
2009-Apr	5.8359274	2016-Feb	5.5641327
1988-May	5.7768698	2012-Mar	5.5239906
2007-May	5.6659073	2010-Mar	5.4718319
2016-Feb	5.6332925	2007-May	5.4685959
2012-Mar	5.5885282	2021-Feb	5.3019747
1999-Feb	5.4345919	1992-Apr	5.2021626
1998-Mar	5.4102685	2017-Feb	5.1466475
1992-May	5.3415519	2007-Apr	5.0703737
2017-Feb	5.3225336	2005-Mar	5.0550277
2020-Feb	5.3183375	1998-Mar	4.9608226
1983-Mar	5.2752495	1986-May	4.9149409
2002-Apr	5.2479890	2020-Feb	4.8262455
2010-Mar	5.1896488	2012-Feb	4.8060909
2015-Feb	5.1867580	2015-Feb	4.7989299
2005-Mar	5.1837685	1991-Jan	4.7892152
2007-Apr	5.1738213	2017-Jan	4.6948999
2018-Feb	5.1104059	2008-Apr	4.6881661
2019-May	5.0998979	2018-Feb	4.6793154
1988-Apr	4.9751053	1990-May	4.6701144

# SCOTTSS1 Degree Heating Months Time Series

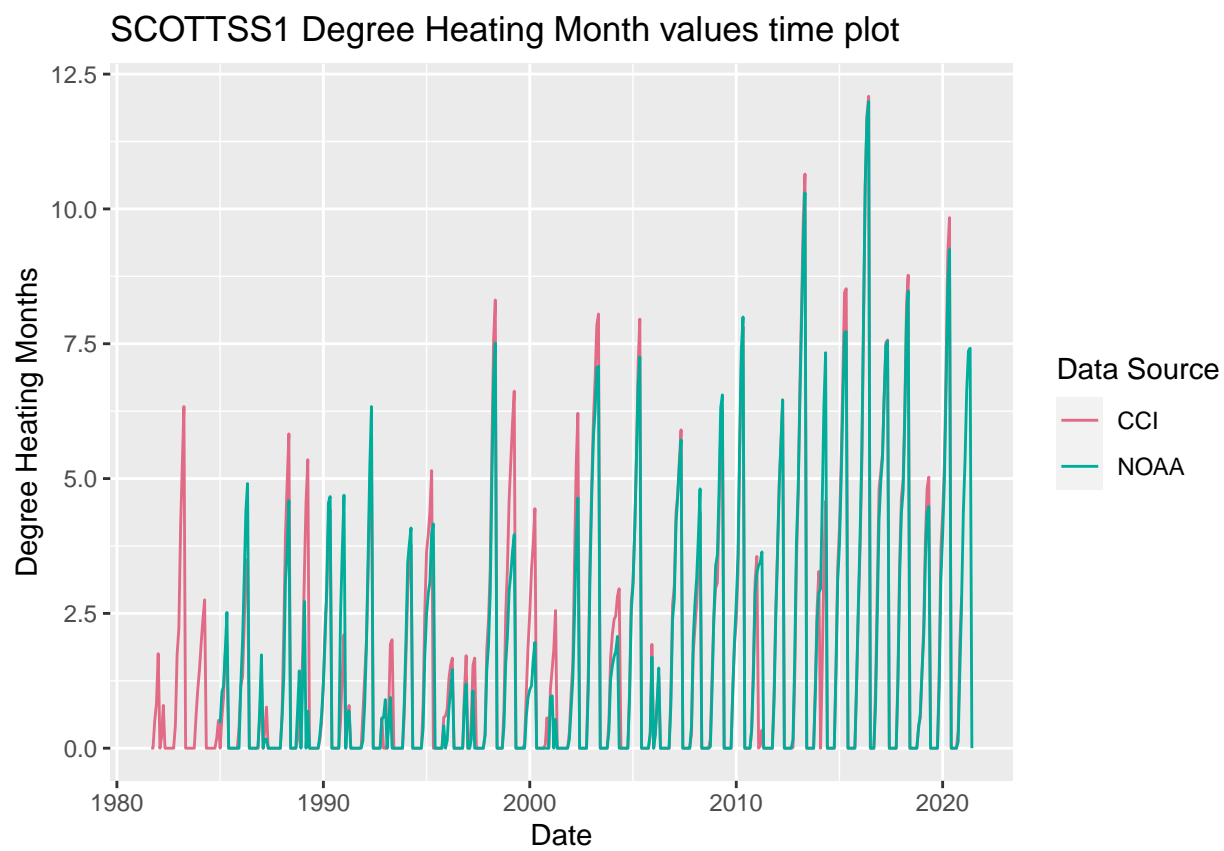


Table 9: Degree Heating Month values in SCOTTSS1 from CCI (left) and NOAA (right)

Date	DHM value	Date	DHM value
2016-Jun	12.0895201	2016-Jun	11.9911094
2016-May	11.7279751	2016-May	11.6656218
2013-May	10.6471614	2016-Apr	10.4358332
2016-Apr	10.4327223	2013-May	10.2971987
2020-May	9.8372682	2013-Apr	9.3874100
2013-Apr	9.7831969	2020-May	9.2516708
2020-Apr	9.1768559	2020-Apr	8.5502692
2018-May	8.7715942	2018-May	8.4789730
2015-May	8.5213550	2010-May	7.9953278
2015-Apr	8.4528773	2016-Mar	7.9350123
1998-May	8.3111573	2018-Apr	7.9020876
2018-Apr	8.2276300	2013-Mar	7.8699224
2013-Mar	8.1576524	2015-May	7.7257126
2003-May	8.0518491	2015-Apr	7.7023756
2005-May	7.9563464	2017-May	7.5523016
2003-Apr	7.8391769	1998-May	7.5105122
2010-May	7.8153613	2017-Apr	7.4621903
2016-Mar	7.7441794	2021-May	7.4173838
1998-Apr	7.5736458	2010-Apr	7.3694101
2017-May	7.5686006	2021-Apr	7.3672725
2017-Apr	7.5188332	2014-May	7.3329369
2010-Apr	7.1597835	2005-May	7.2516366
2005-Apr	7.0830307	2003-May	7.0822303
2020-Mar	7.0459810	2003-Apr	7.0540545
2003-Mar	6.8263024	1998-Apr	6.8620138
2015-Mar	6.8003340	2005-Apr	6.7266866
2013-Feb	6.7620736	2021-Mar	6.6167849
1999-Apr	6.6211652	2020-Mar	6.5901150
2017-Mar	6.4662898	2009-May	6.5514636
2012-Apr	6.4612042	2013-Feb	6.4891660
1983-Apr	6.3357726	2017-Mar	6.4783694
2009-May	6.2452306	2012-Apr	6.4555725
2018-Mar	6.2204185	1992-May	6.3345373
2002-May	6.2091628	2014-Apr	6.3344386
2003-Feb	6.1139531	2015-Mar	6.3215547
1999-Mar	6.0279551	2009-Apr	6.3145782
2009-Apr	5.9502978	2003-Mar	6.2412336
2007-May	5.9022806	2018-Mar	6.0809333
1988-May	5.8290006	2003-Feb	5.7878966
2012-Mar	5.6196614	2007-May	5.7193132
1992-May	5.5340368	2012-Mar	5.6320849
1998-Mar	5.5184341	2010-Mar	5.5579226
2017-Feb	5.4729721	2016-Feb	5.5287720
2015-Feb	5.3989499	2017-Feb	5.3863227
1999-Feb	5.3520566	2021-Feb	5.3815124
2010-Mar	5.3492405	2005-Mar	5.3091991
1989-Apr	5.3492032	2007-Apr	5.2482343
2007-Apr	5.3399311	1992-Apr	5.2041035
2005-Mar	5.3251518	2015-Feb	4.9985402
2020-Feb	5.2836292	2020-Feb	4.9745199
2016-Feb	5.2640866	2017-Jan	4.9353589
2002-Apr	5.2271346	1998-Mar	4.9075262
1983-Mar	5.1765622	1986-May	4.9071192
1995-Apr	5.1470334	2012-Feb	4.8797156
2017-Jan	5.1178581	2013-Jan	4.8224880



# SCOTTSS2 Degree Heating Months Time Series

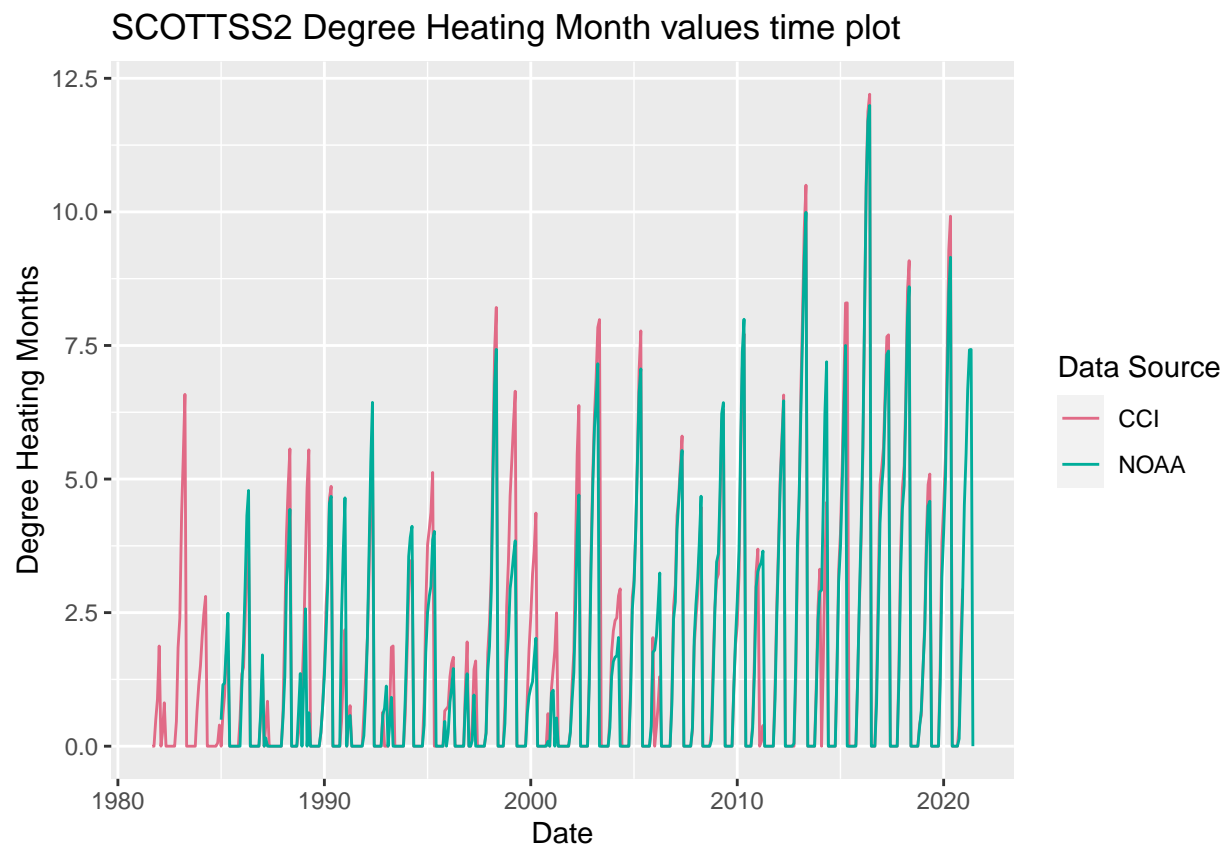


Table 10: Degree Heating Month values in SCOTTSS2 from CCI (left) and NOAA (right)

Date	DHM value	Date	DHM value
2016-Jun	12.2016782	2016-Jun	11.9919633
2016-May	11.8782035	2016-May	11.6961004
2016-Apr	10.5885372	2016-Apr	10.4785708
2013-May	10.4994077	2013-May	9.9905138
2020-May	9.9192145	2020-May	9.1507214
2013-Apr	9.6907052	2013-Apr	9.1487907
2020-Apr	9.2843855	2018-May	8.5997846
2018-May	9.0868147	2020-Apr	8.4996435
2018-Apr	8.5197269	2018-Apr	8.0338679
2015-May	8.2979836	2016-Mar	7.9973746
2015-Apr	8.2931555	2010-May	7.9902147
1998-May	8.2108082	2013-Mar	7.6629278
2013-Mar	8.0752313	2015-Apr	7.4999424
2003-May	7.9836714	1998-May	7.4271048
2016-Mar	7.9147278	2021-May	7.4259147
2003-Apr	7.8381996	2021-Apr	7.4177400
2005-May	7.7720897	2017-May	7.3957719
2010-May	7.7172147	2010-Apr	7.3759109
2017-May	7.6989547	2017-Apr	7.3279197
2017-Apr	7.6638050	2014-May	7.1939904
1998-Apr	7.4014600	2003-Apr	7.1577742
2020-Mar	7.1565773	2005-May	7.0614535
2010-Apr	7.0701304	1998-Apr	6.7569946
2005-Apr	7.0411293	2021-Mar	6.6718771
2003-Mar	6.8550570	2005-Apr	6.6245691
2013-Feb	6.6933063	2020-Mar	6.5937806
2015-Mar	6.6733460	2012-Apr	6.4635793
1999-Apr	6.6433662	1992-May	6.4342601
2017-Mar	6.5936659	2009-May	6.4295599
1983-Apr	6.5845501	2003-Mar	6.4225780
2012-Apr	6.5726519	2017-Mar	6.3537235
2018-Mar	6.5082517	2013-Feb	6.3150757
2002-May	6.3757849	2014-Apr	6.2325899
2009-May	6.3037403	2018-Mar	6.2306717
2003-Feb	6.2034492	2009-Apr	6.2229981
2009-Apr	6.0653631	2015-Mar	6.1834128
1999-Mar	6.0418917	2003-Feb	5.9647258
2007-May	5.8046646	2012-Mar	5.6500498
2012-Mar	5.7448437	2016-Feb	5.5988773
2017-Feb	5.6017389	2010-Mar	5.5833813
1988-May	5.5635137	2007-May	5.5343744
1992-May	5.5495625	2021-Feb	5.4837024
1989-Apr	5.5464609	1992-Apr	5.3202789
2002-Apr	5.4632135	2017-Feb	5.2852262
1998-Mar	5.3989855	2005-Mar	5.2767062
2016-Feb	5.3979634	2007-Apr	5.1200707
2020-Feb	5.3965859	2020-Feb	4.9804446
1999-Feb	5.3796411	2012-Feb	4.9089718
1983-Mar	5.3570735	2015-Feb	4.8939478
2005-Mar	5.3286542	2018-Feb	4.8792711
2015-Feb	5.3017439	2017-Jan	4.8480538
2007-Apr	5.2691900	1998-Mar	4.8414651
2010-Mar	5.2603266	2003-Jan	4.8296962
2018-Feb	5.2476135	1986-May	4.7858491
2017-Jan	5.2116198	2013-Jan	4.7029032

# Tantabiddi Degree Heating Months Time Series

08TNT and 13TNT Degree Heating Month values time plot



Table 11: Degree Heating Month values in 08TNT and 13TNT from CCI (left) and NOAA (right)

Date	DHM value	Date	DHM value
2011-May	13.8072414	2011-May	12.7364843
2011-Apr	12.6570660	2021-Jun	12.6493744
2013-May	12.2469056	2013-May	12.3783023
1999-Jun	10.9654021	2021-May	12.0002923
2000-May	10.8353427	2011-Apr	11.7399828
2013-Apr	10.7680215	1989-May	11.3420135
1999-May	10.6515797	2013-Apr	11.0001880
2012-May	10.6374777	2021-Apr	10.3141134
2000-Apr	9.9154894	2000-May	9.9786498
1998-Jun	9.5935083	1988-Jun	9.6508767
2008-Jun	9.5275742	1989-Apr	9.5829314
2011-Mar	9.5269117	1988-May	9.5821279
2008-May	9.4104204	2008-Jun	9.4871839
1984-Jun	9.3792034	1998-Jun	9.4855427
2012-Apr	9.3234329	2012-May	9.3534244
1984-May	9.1043805	2000-Apr	9.2518257
1998-May	9.0340205	1999-Jun	9.2306848
1989-May	8.9855000	2008-May	9.2281018
1999-Apr	8.9594673	2011-Mar	9.1602340
1988-May	8.9282488	1999-May	9.1079360
2009-May	8.6435885	2018-May	8.8331910
2017-May	8.5149083	1998-May	8.8237940
1997-May	8.2809019	2014-May	8.5214552
2014-May	8.0539273	2017-May	8.5064744
2013-Mar	8.0478668	2012-Apr	8.5062777
2008-Apr	7.8615358	2009-May	8.4926679
2018-May	7.7175267	2013-Mar	8.3511058
1985-May	7.7011064	1985-Jun	8.2982616
2001-May	7.6630518	1988-Apr	8.2530458
2009-Apr	7.6424453	1997-May	7.9557470
1984-Apr	7.6187225	1999-Apr	7.8436926
1989-Apr	7.5920996	1985-May	7.8048462
1988-Apr	7.5316204	2008-Apr	7.7299874
1995-May	7.1103369	1994-May	7.5534998
2017-Apr	7.1018299	2009-Apr	7.5384245
1994-May	7.0962315	2018-Apr	7.3508830
1997-Apr	7.0181462	2017-Apr	7.2325536
1982-May	6.9039250	2021-Mar	7.2120313
2000-Mar	6.8656716	2001-May	7.1706503
1998-Apr	6.8367496	1991-May	7.0627371
2012-Mar	6.8342819	1997-Apr	7.0218262
1996-Jun	6.7961256	2005-May	7.0119698
1996-May	6.7569716	2014-Apr	6.9804376
1985-Apr	6.7506076	1985-Apr	6.8673770
2011-Feb	6.7170576	1998-Apr	6.7253570
2001-Apr	6.5670698	1996-May	6.5899331
1990-May	6.4992596	2020-May	6.5672720
2014-Apr	6.4795576	2000-Mar	6.5347436
1995-Apr	6.4346774	2011-Feb	6.4950229
1991-Jun	6.3918921	2013-Feb	6.4075076
2005-Jun	6.3800315	1989-Mar	6.3728493
2005-May	6.3628817	2001-Apr	6.3438262
1991-May	6.3244056	1995-May	6.3176802
2006-May	6.2999592	2012-Mar	6.1015289
1983-May	6.2412877	1995-Apr	5.8663400

# TNT Degree Heating Months Time Series

TNT Degree Heating Month values time plot

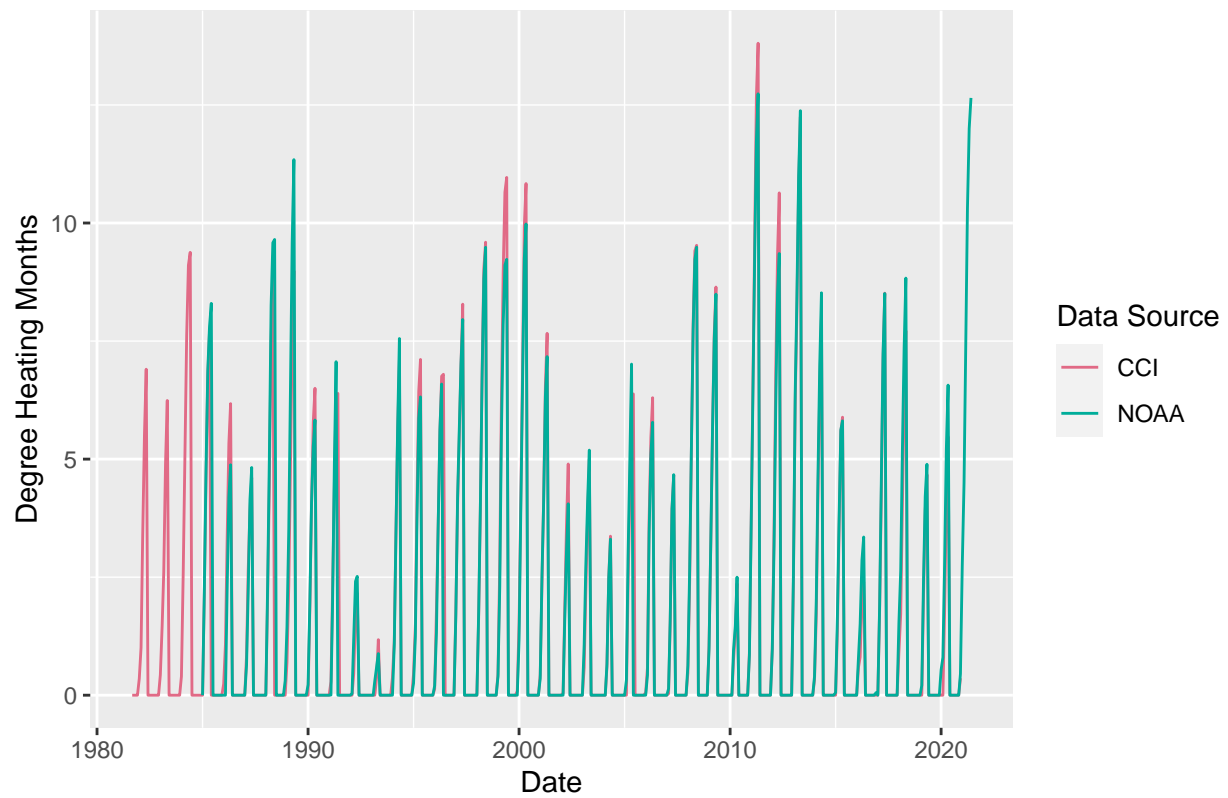


Table 12: Degree Heating Month values in TNT from CCI (left) and NOAA (right)

Date	DHM value	Date	DHM value
2011-May	13.8072414	2011-May	12.7364843
2011-Apr	12.6570660	2021-Jun	12.6493744
2013-May	12.2469056	2013-May	12.3783023
1999-Jun	10.9654021	2021-May	12.0002923
2000-May	10.8353427	2011-Apr	11.7399828
2013-Apr	10.7680215	1989-May	11.3420135
1999-May	10.6515797	2013-Apr	11.0001880
2012-May	10.6374777	2021-Apr	10.3141134
2000-Apr	9.9154894	2000-May	9.9786498
1998-Jun	9.5935083	1988-Jun	9.6508767
2008-Jun	9.5275742	1989-Apr	9.5829314
2011-Mar	9.5269117	1988-May	9.5821279
2008-May	9.4104204	2008-Jun	9.4871839
1984-Jun	9.3792034	1998-Jun	9.4855427
2012-Apr	9.3234329	2012-May	9.3534244
1984-May	9.1043805	2000-Apr	9.2518257
1998-May	9.0340205	1999-Jun	9.2306848
1989-May	8.9855000	2008-May	9.2281018
1999-Apr	8.9594673	2011-Mar	9.1602340
1988-May	8.9282488	1999-May	9.1079360
2009-May	8.6435885	2018-May	8.8331910
2017-May	8.5149083	1998-May	8.8237940
1997-May	8.2809019	2014-May	8.5214552
2014-May	8.0539273	2017-May	8.5064744
2013-Mar	8.0478668	2012-Apr	8.5062777
2008-Apr	7.8615358	2009-May	8.4926679
2018-May	7.7175267	2013-Mar	8.3511058
1985-May	7.7011064	1985-Jun	8.2982616
2001-May	7.6630518	1988-Apr	8.2530458
2009-Apr	7.6424453	1997-May	7.9557470
1984-Apr	7.6187225	1999-Apr	7.8436926
1989-Apr	7.5920996	1985-May	7.8048462
1988-Apr	7.5316204	2008-Apr	7.7299874
1995-May	7.1103369	1994-May	7.5534998
2017-Apr	7.1018299	2009-Apr	7.5384245
1994-May	7.0962315	2018-Apr	7.3508830
1997-Apr	7.0181462	2017-Apr	7.2325536
1982-May	6.9039250	2021-Mar	7.2120313
2000-Mar	6.8656716	2001-May	7.1706503
1998-Apr	6.8367496	1991-May	7.0627371
2012-Mar	6.8342819	1997-Apr	7.0218262
1996-Jun	6.7961256	2005-May	7.0119698
1996-May	6.7569716	2014-Apr	6.9804376
1985-Apr	6.7506076	1985-Apr	6.8673770
2011-Feb	6.7170576	1998-Apr	6.7253570
2001-Apr	6.5670698	1996-May	6.5899331
1990-May	6.4992596	2020-May	6.5672720
2014-Apr	6.4795576	2000-Mar	6.5347436
1995-Apr	6.4346774	2011-Feb	6.4950229
1991-Jun	6.3918921	2013-Feb	6.4075076
2005-Jun	6.3800315	1989-Mar	6.3728493
2005-May	6.3628817 <sup>54</sup>	2001-Apr	6.3438262
1991-May	6.3244056	1995-May	6.3176802
2006-May	6.2999592	2012-Mar	6.1015289
1983-May	6.2412877	1995-Apr	5.8663400

# TNT07C Degree Heating Months Time Series

TNT07C Degree Heating Month values time plot



Table 13: Degree Heating Month values in TNT07C from CCI (left) and NOAA (right)

Date	DHM value	Date	DHM value
2013-May	12.8659118	2021-Jun	12.8024721
2011-May	12.4323217	2011-May	12.7957490
2011-Apr	11.6139634	2013-May	12.5348615
2013-Apr	11.4233608	2021-May	12.1297136
1998-Jun	10.5788486	2011-Apr	11.7991195
2000-May	10.4852276	1989-May	11.3534187
2012-May	10.2484696	2013-Apr	11.1275869
2014-May	10.0856323	2021-Apr	10.4053423
1998-May	10.0216851	2000-May	9.9186551
2000-Apr	9.6704192	1988-Jun	9.6614434
1999-Jun	9.6201196	1989-Apr	9.6100151
2020-May	9.5178092	1988-May	9.5900183
2018-May	9.4791094	2008-Jun	9.5859579
1988-Jun	9.4230937	1998-Jun	9.5124313
1997-May	9.3990429	2012-May	9.4766881
1988-May	9.3882630	2008-May	9.3291995
1999-May	9.3212895	1999-Jun	9.2604717
2012-Apr	9.2930145	2000-Apr	9.1968644
2008-Jun	9.2680375	2011-Mar	9.1933611
2008-May	9.1655381	1999-May	9.1357132
2011-Mar	8.9364671	2018-May	9.0417078
2014-Apr	8.9085625	1998-May	8.8516729
2001-May	8.7885612	2017-May	8.6779847
2018-Apr	8.6833321	2014-May	8.6775043
1989-May	8.6588527	2009-May	8.6262793
2009-May	8.6418574	2012-Apr	8.5939297
2013-Mar	8.6251959	2013-Mar	8.4538284
1997-Apr	8.4439128	1985-Jun	8.3513906
1998-Apr	8.1471991	1988-Apr	8.2782276
2005-Jun	8.1091675	1997-May	8.0879352
2005-May	8.0613373	1999-Apr	7.8819870
1988-Apr	8.0586172	1985-May	7.8729655
1999-Apr	8.0393820	2008-Apr	7.8138603
1995-May	8.0258767	2009-Apr	7.6583595
2008-Apr	7.9549216	1994-May	7.6236260
2020-Apr	7.9175158	2018-Apr	7.5044333
2001-Apr	7.8518164	2017-Apr	7.3507101
2009-Apr	7.8464021	2001-May	7.3035903
1984-Jun	7.8294208	2021-Mar	7.2702505
1984-May	7.8199207	2005-Jun	7.2035623
1989-Apr	7.7333984	2005-May	7.2034705
1994-May	7.5539523	1991-May	7.1428127
2017-May	7.4624864	1997-Apr	7.1393703
1995-Apr	7.2865501	2014-Apr	7.0966813
2003-May	7.2614783	1985-Apr	6.9382716
2012-Mar	7.2198517	2020-May	6.7617323
2000-Mar	6.8722564	1998-Apr	6.7521402
1985-May	6.7974579	1996-May	6.6150096
2015-May	6.6969258	2011-Feb	6.5044736
1984-Apr	6.6122103	2000-Mar	6.4957726
1997-Mar	6.4757487	2001-Apr	6.4721222
1994-Apr	6.3804344	2013-Feb	6.4578441
2002-May	6.3749980	1989-Mar	6.3879233
2017-Apr	6.3586441	1995-May	6.2782094
2011-Feb	6.2864960	2012-Mar	6.1645045



# Wallabi Island Degree Heating Months Time Series

Wallabi Island Degree Heating Month values time plot

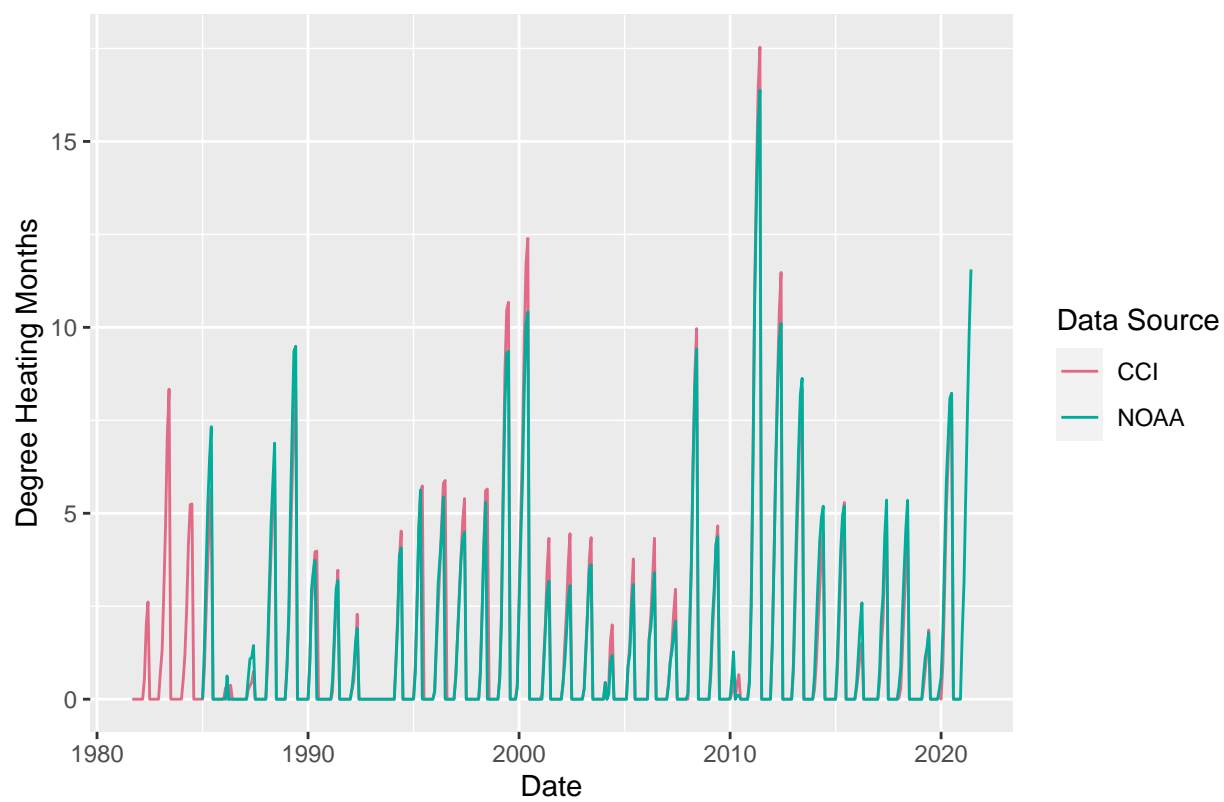


Table 14: Degree Heating Month values in Wallabi Island from CCI (left) and NOAA (right)

Date	DHM value	Date	DHM value
2011-Jun	17.5329936	2011-Jun	16.3764021
2011-May	16.3728405	2011-May	15.4535837
2011-Apr	13.9444319	2011-Apr	13.2889051
2000-Jun	12.3907089	2021-Jun	11.5569578
2000-May	11.7185563	2011-Mar	10.5507535
2012-Jun	11.4759696	2000-Jun	10.4135802
2011-Mar	10.8982793	2012-Jun	10.1048645
1999-Jul	10.6746862	2000-May	10.0784285
1999-Jun	10.4604727	2021-May	9.8664727
2012-May	10.4031528	2012-May	9.6857128
2008-Jun	9.9660078	1989-Jun	9.4905737
2000-Apr	9.6936935	2008-Jun	9.4212750
1999-May	8.8123232	1989-May	9.3587554
2008-May	8.7791905	1999-Jul	9.3562220
2012-Apr	8.5650654	1999-Jun	9.2960595
2013-Jun	8.3415931	2013-Jun	8.6278725
1983-Jun	8.3370624	2008-May	8.4014566
1989-Jun	8.3000004	2000-Apr	8.3424596
2020-Jul	8.2170278	2012-Apr	8.2371633
2020-Jun	7.8570033	2020-Jul	8.2285776
2013-May	7.6927753	2013-May	8.1953875
1989-May	7.5405146	2020-Jun	8.0935765
1983-May	7.0699106	1999-May	7.8885745
2000-Mar	6.8668748	2021-Apr	7.7566329
2011-Feb	6.5847104	1985-Jun	7.3271694
2008-Apr	6.5259400	1989-Apr	7.2627865
1988-Jun	6.4152944	2020-May	6.9400915
2020-May	6.4001837	1988-Jun	6.8867699
2012-Mar	6.3829142	2013-Apr	6.7568379
2013-Apr	5.9508163	1985-May	6.4363510
1989-Apr	5.9088787	2008-Apr	6.3238748
1996-Jul	5.8828920	2011-Feb	6.3199459
1996-Jun	5.8125462	2012-Mar	6.1923449
1999-Apr	5.7484313	2000-Mar	5.8929746
1995-Jun	5.7358250	2020-Apr	5.8854129
1985-Jun	5.6610541	1988-May	5.8146183
1998-Jul	5.6518511	1995-May	5.6261359
1998-Jun	5.6105383	1996-Jun	5.4402642
1995-May	5.5250056	2021-Mar	5.3678145
1988-May	5.4428122	2017-Jun	5.3566440
1997-Jun	5.3914697	2018-Jun	5.3481390
2015-Jun	5.2897573	1999-Apr	5.3355088
1984-Jul	5.2497125	1998-Jun	5.2892412
1984-Jun	5.2335610	1985-Apr	5.2123176
2020-Apr	5.1201575	2015-Jun	5.2025250
2000-Feb	5.0184626	2014-Jun	5.1908856
2017-Jun	4.9505122	2013-Mar	4.9970196
1985-May	4.9182360	1989-Mar	4.9596348
1997-May	4.8023199	2015-May	4.9507066
2015-May	4.7486075	2014-May	4.8924005
1996-May	4.7390620	1988-Apr	4.7341332
2009-Jun	4.6607274	2018-May	4.5826540
1983-Apr	4.6592446	1995-Apr	4.5437154
2018-Jun	4.5718125	1997-Jun	4.4875315
1995-Apr	4.5249831	1996-May	4.4397792

# HAB05B Degree Heating Months Time Series

HAB05B Degree Heating Month values time plot

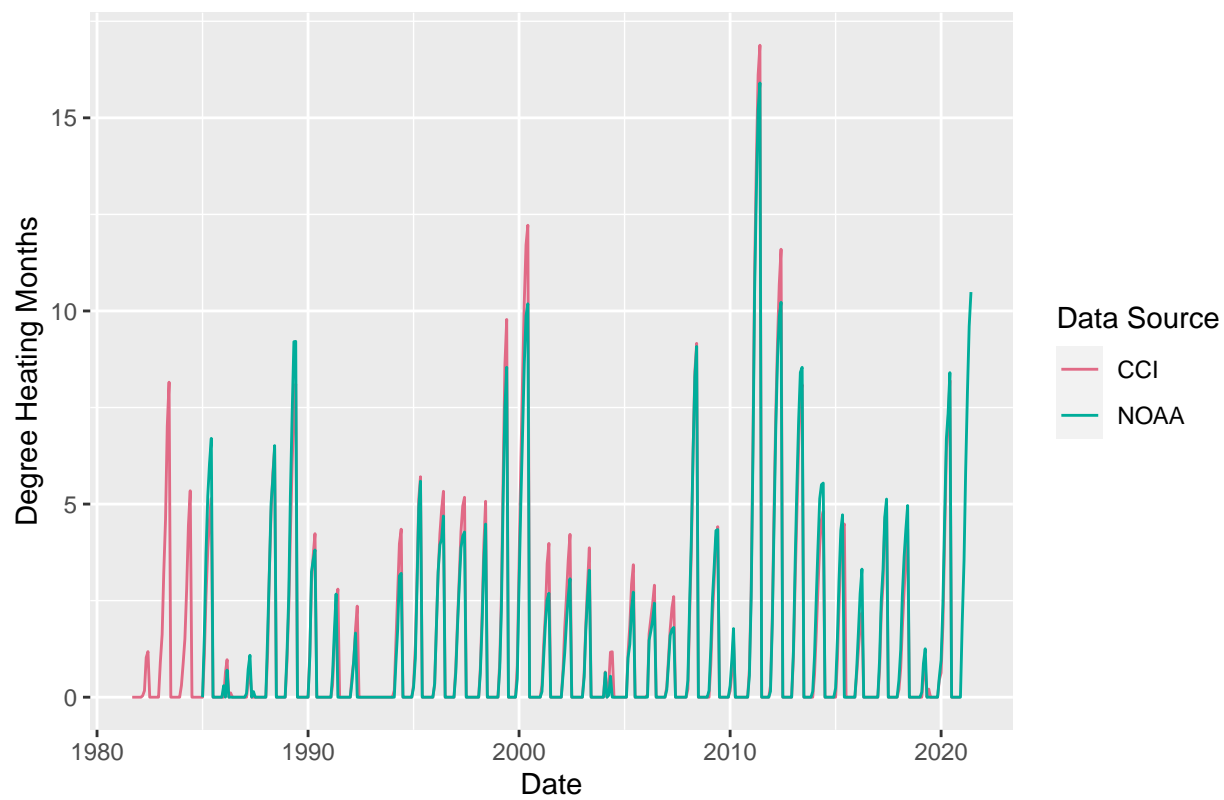


Table 15: Degree Heating Month values in HAB05B from CCI (left) and NOAA (right)

Date	DHM value	Date	DHM value
2011-Jun	16.8793355	2011-Jun	15.9025166
2011-May	16.1097754	2011-May	15.2056728
2011-Apr	13.8947628	2011-Apr	13.1241408
2000-Jun	12.2191562	2011-Mar	10.4946303
2000-May	11.7125955	2021-Jun	10.4887903
2012-Jun	11.5973161	2012-Jun	10.2239873
2011-Mar	10.9482017	2000-Jun	10.1849372
2012-May	10.6930879	2000-May	9.8754267
2000-Apr	10.2514558	2012-May	9.8554768
1999-Jun	9.7798588	2021-May	9.6066132
2012-Apr	9.2271087	1989-Jun	9.2130445
2008-Jun	9.1611337	1989-May	9.2042007
1999-May	8.6056285	2008-Jun	9.0799744
2008-May	8.4369074	2012-Apr	8.7852351
2020-Jun	8.2031530	2000-Apr	8.6451850
2000-Mar	8.1988949	1999-Jun	8.5409411
1983-Jun	8.1559530	2013-Jun	8.5406075
1989-Jun	8.1074391	2013-May	8.4100970
2013-Jun	8.0908870	2020-Jun	8.4022539
2013-May	7.8173280	2008-May	8.2984639
1989-May	7.4942103	2021-Apr	7.9112102
2012-Mar	7.3095495	1999-May	7.5130973
2020-May	7.1109213	1989-Apr	7.3552494
1983-May	7.0190599	2020-May	7.3404100
2011-Feb	6.6993186	2013-Apr	7.1543715
2013-Apr	6.4703781	2012-Mar	6.9130579
1988-Jun	6.4358646	2000-Mar	6.7680079
2008-Apr	6.3983465	1985-Jun	6.7013728
2020-Apr	6.3626830	2020-Apr	6.6862974
2000-Feb	6.0812984	1988-Jun	6.5140923
1989-Apr	6.0688726	2008-Apr	6.4020932
1988-May	5.7993041	2011-Feb	6.3647112
1999-Apr	5.7835209	1985-May	6.0505289
1995-May	5.7076825	2021-Mar	5.8396997
1984-Jun	5.3449386	1988-May	5.6612485
1996-Jun	5.3312144	1995-May	5.5910556
1997-Jun	5.1757764	2014-Jun	5.5439997
1985-Jun	5.1468680	2014-May	5.5028226
1995-Apr	5.1249282	2013-Mar	5.4048610
1998-Jun	5.0726405	1989-Mar	5.2167389
2017-Jun	4.9966519	1999-Apr	5.2141459
1997-May	4.9515471	1985-Apr	5.2022227
2012-Feb	4.8767969	2014-Apr	5.1387099
1996-May	4.8656531	2017-Jun	5.1302115
2014-Jun	4.8112188	2000-Feb	5.0432501
1988-Apr	4.8023574	1988-Apr	5.0193939
2013-Mar	4.6971518	2018-Jun	4.9618802
1985-May	4.6126401	1995-Apr	4.9062977
1983-Apr	4.6059824	2015-May	4.7221370
2014-May	4.5933229	1996-Jun	4.6914008
2017-May	4.5360914	2017-May	4.6640343
2015-Jun	4.4836646	2020-Mar	4.5491202
1984-May	4.4443786	2012-Feb	4.5086227
2009-Jun	4.4145330	1998-Jun	4.4827302
2015-May	4.3911023	2018-May	4.3403697

# HAB10A Degree Heating Months Time Series

HAB10A Degree Heating Month values time plot

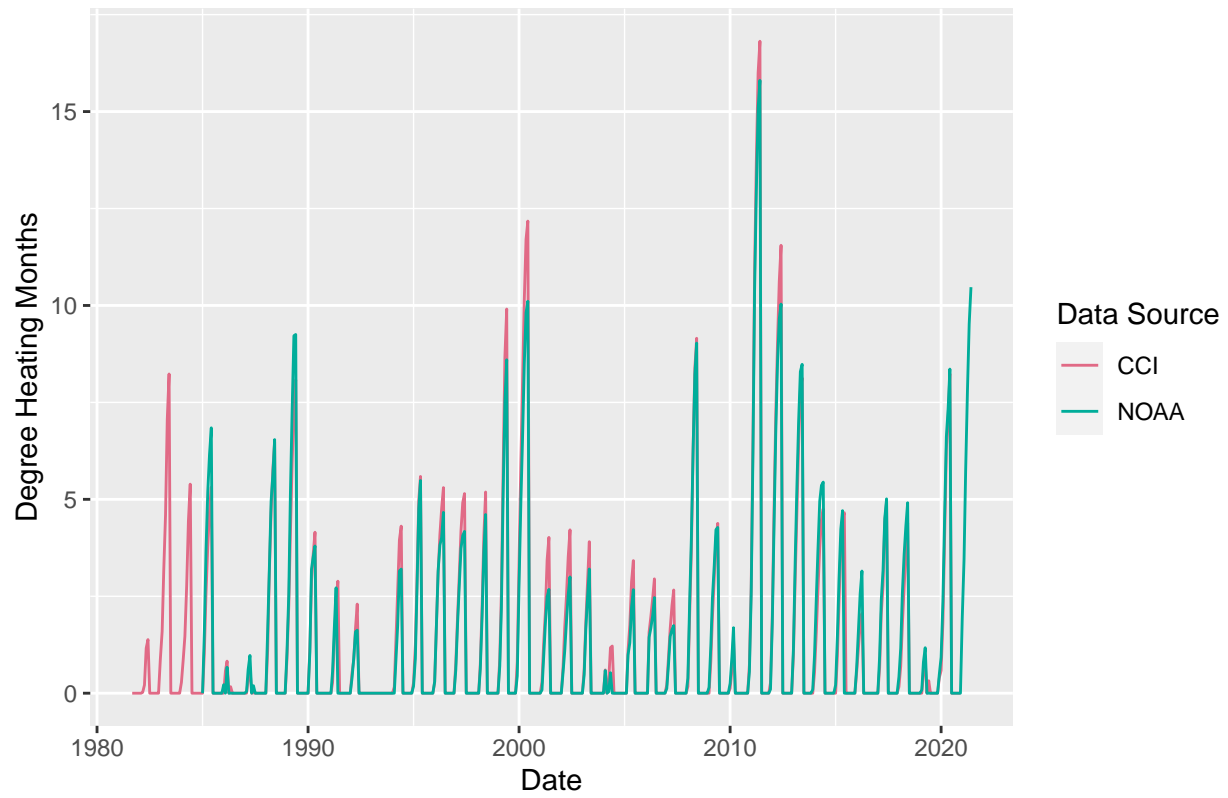


Table 16: Degree Heating Month values in HAB10A from CCI (left) and NOAA (right)

Date	DHM value	Date	DHM value
2011-Jun	16.8139762	2011-Jun	15.8046955
2011-May	15.9972762	2011-May	15.0807031
2011-Apr	13.7989959	2011-Apr	13.0026355
2000-Jun	12.1759826	2021-Jun	10.4718560
2000-May	11.7056144	2011-Mar	10.3993098
2012-Jun	11.5505175	2000-Jun	10.1073393
2011-Mar	10.8759605	2012-Jun	10.0348781
2012-May	10.6188161	2000-May	9.8136803
2000-Apr	10.1666851	2012-May	9.6575524
1999-Jun	9.9070678	2021-May	9.5215303
2008-Jun	9.1530249	1989-Jun	9.2510242
2012-Apr	9.0615044	1989-May	9.2196985
1999-May	8.6823681	2008-Jun	9.0286058
2008-May	8.3899891	1999-Jun	8.5981263
2020-Jun	8.2379794	2012-Apr	8.5481944
1983-Jun	8.2321302	2000-Apr	8.5085159
2013-Jun	8.1292016	2013-Jun	8.4816164
1989-Jun	8.0819367	2020-Jun	8.3587613
2000-Mar	7.9903182	2013-May	8.2932906
2013-May	7.8048325	2008-May	8.2229467
1989-May	7.4292351	2021-Apr	7.8034626
2012-Mar	7.1504684	1999-May	7.5344672
2020-May	7.1016119	1989-Apr	7.3242115
1983-May	7.0587610	2020-May	7.3194356
2011-Feb	6.6228411	2013-Apr	7.0181262
1988-Jun	6.4809503	1985-Jun	6.8439665
2013-Apr	6.4110655	2012-Mar	6.6905353
2008-Apr	6.3191266	2020-Apr	6.6149163
2020-Apr	6.3036514	2000-Mar	6.5498568
1989-Apr	5.9719246	1988-Jun	6.5405567
2000-Feb	5.9500993	2008-Apr	6.3058468
1999-Apr	5.8166664	2011-Feb	6.2935002
1988-May	5.7515824	1985-May	6.1539741
1995-May	5.5898273	2021-Mar	5.7254702
1984-Jun	5.3913369	1988-May	5.6315643
1985-Jun	5.3132459	1995-May	5.4848552
1996-Jun	5.3021318	2014-Jun	5.4442339
1998-Jun	5.1887953	2014-May	5.3595749
1997-Jun	5.1480022	2013-Mar	5.2591338
1995-Apr	4.9670307	1999-Apr	5.2122060
2017-Jun	4.9432633	1985-Apr	5.1946162
1997-May	4.9139652	1989-Mar	5.1212191
2012-Feb	4.7631554	2017-Jun	5.0118736
1996-May	4.7617624	1988-Apr	4.9563998
2014-Jun	4.7555777	2014-Apr	4.9502169
1985-May	4.7098780	2018-Jun	4.9112838
1988-Apr	4.6762053	2000-Feb	4.8898537
2015-Jun	4.6552293	1995-Apr	4.7616262
1983-Apr	4.6017695	2015-May	4.7077776
2013-Mar	4.5977010	1996-Jun	4.6632980
2015-May	4.4978616	1998-Jun	4.6073244
2014-May	4.4692112	2017-May	4.5078812
1984-May	4.4389699	2020-Mar	4.4902573
2017-May	4.4188932	2012-Feb	4.3518225
2018-Jun	4.3878554	2018-May	4.3052914