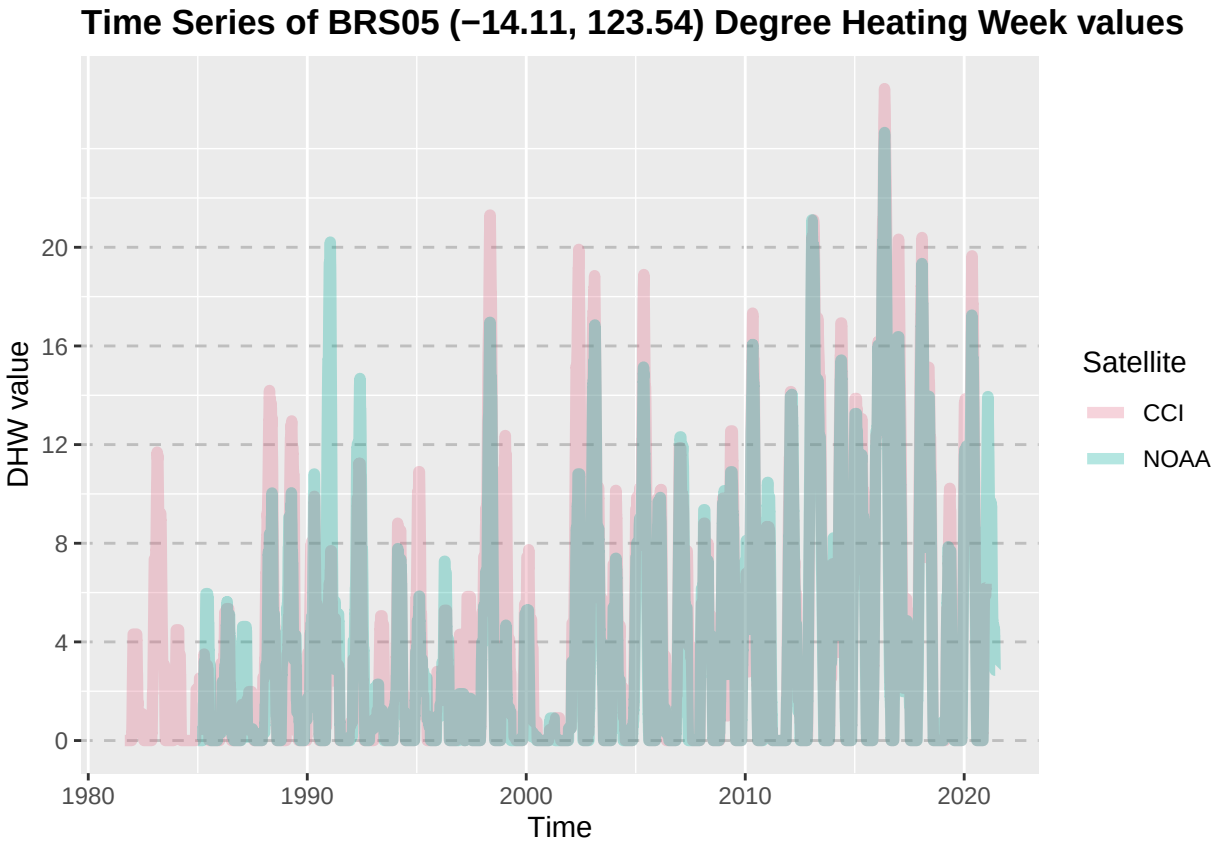
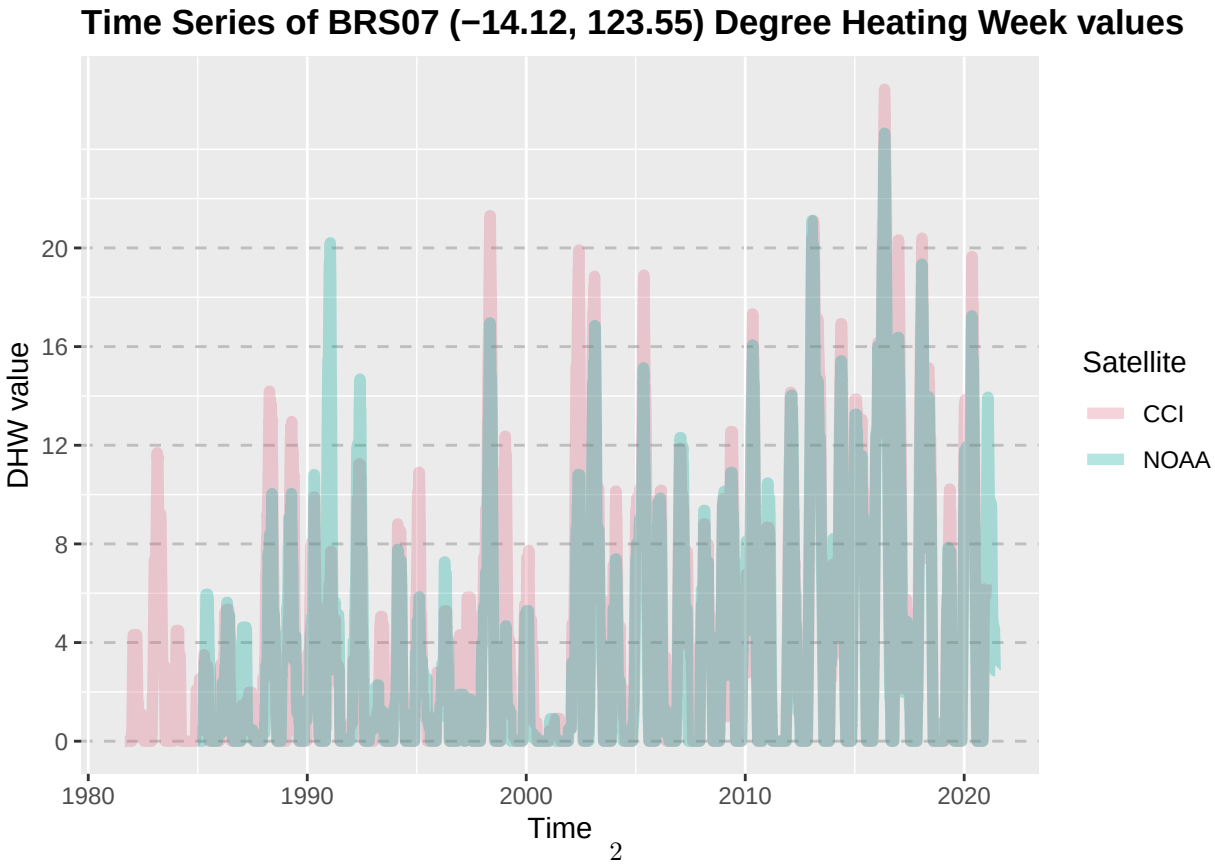
Degree Heating Week Analysis

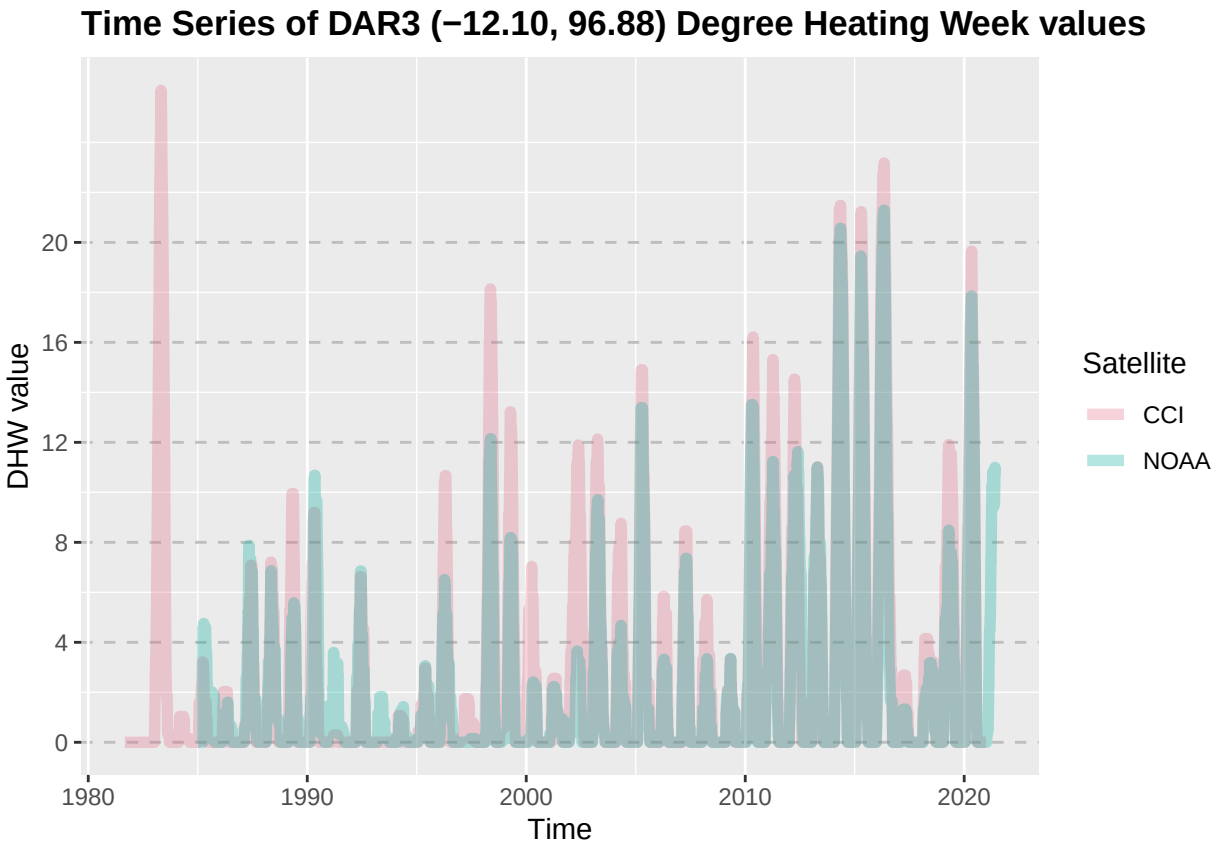
Vanessa

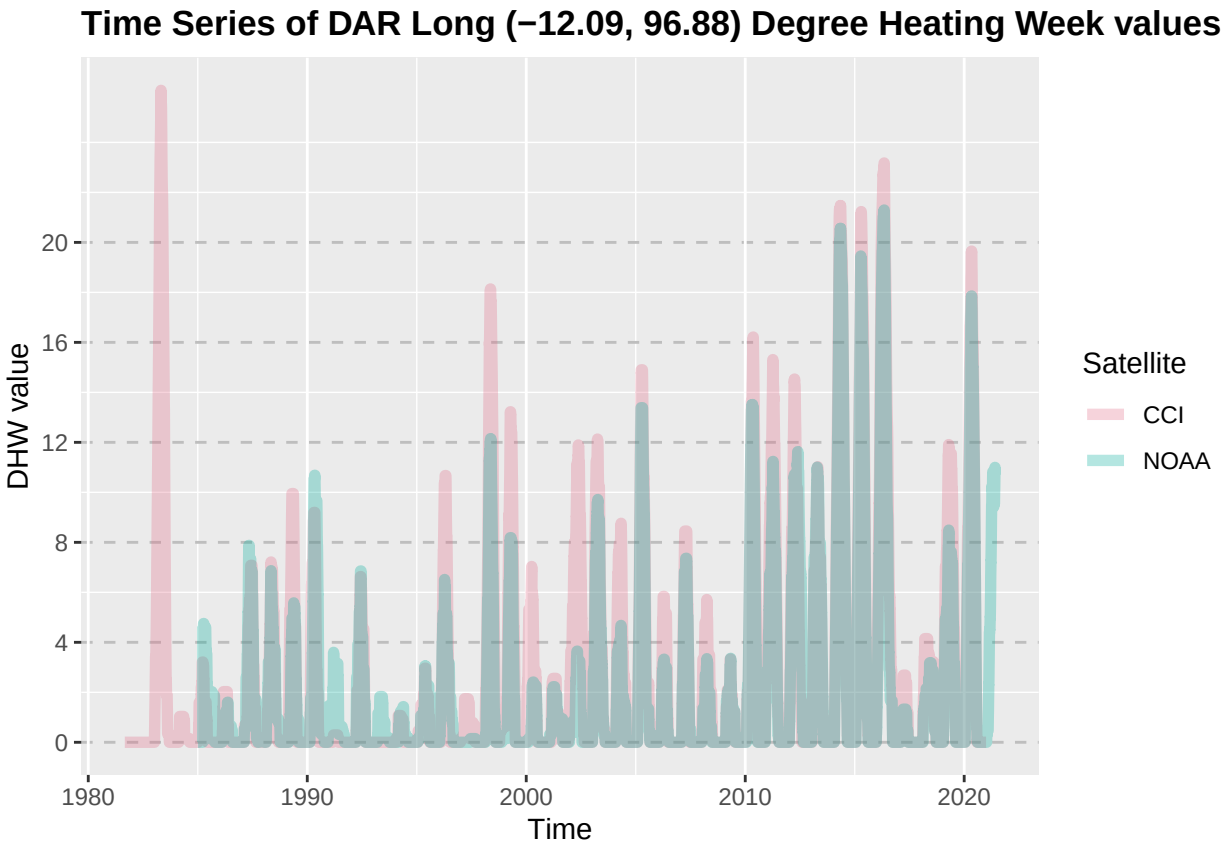
2021-09-26

Degree Heating Week Time Series Plots for CCI and NOAA data:






Time Series of DAR3 (−12.10, 96.88) Degree Heating Week values
DHW value
0
4
8
12
16
20
1980
1990
2000
2010
2020
Time
Satellite
CCI
NOAA


Time Series of DAR Long (−12.09, 96.88) Degree Heating Week values
DHW value
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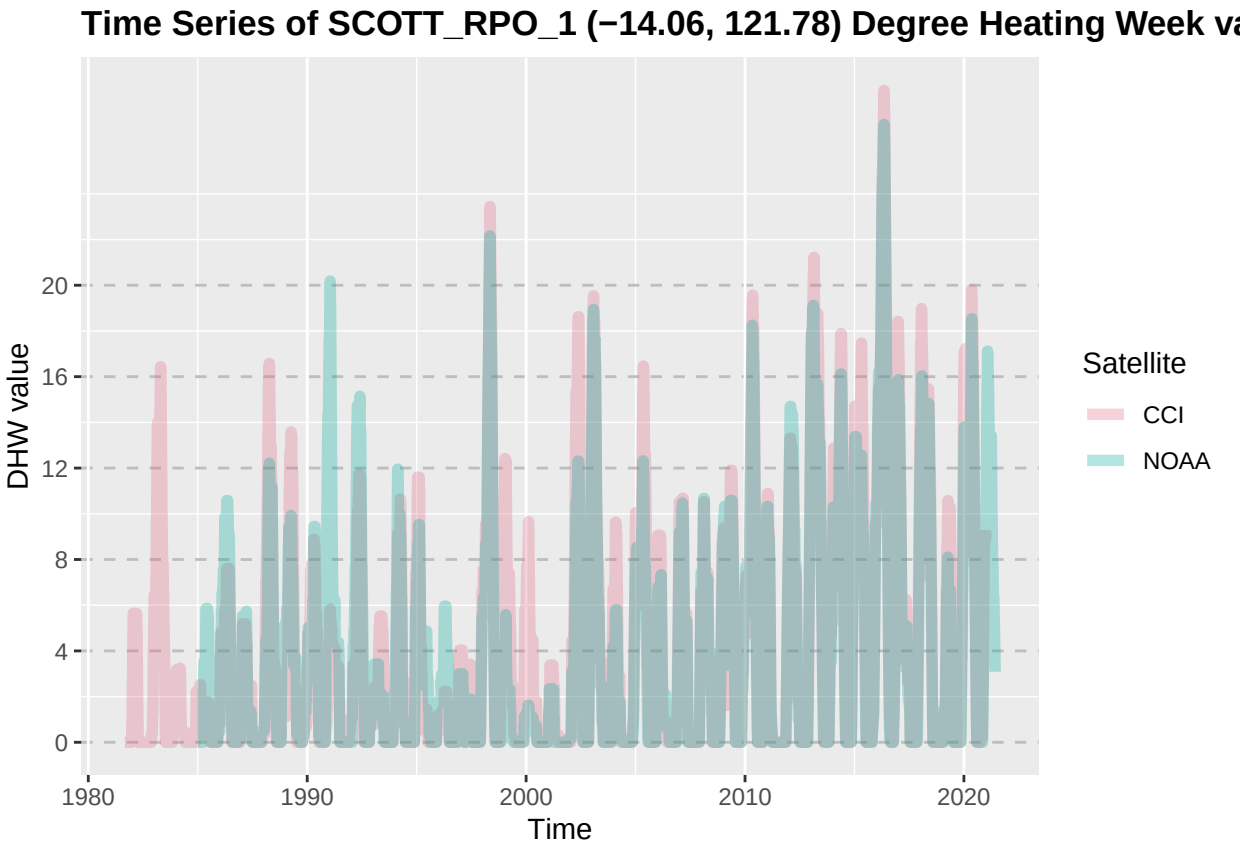
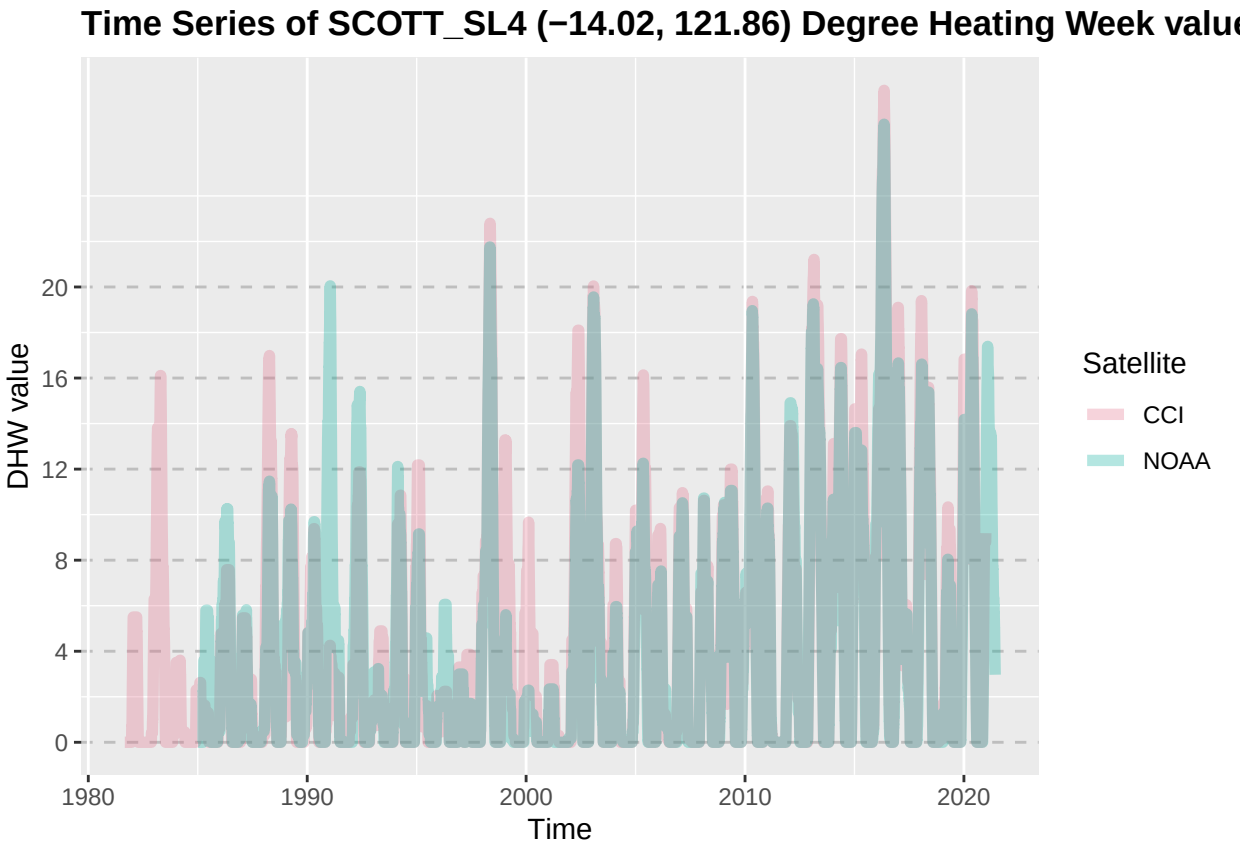
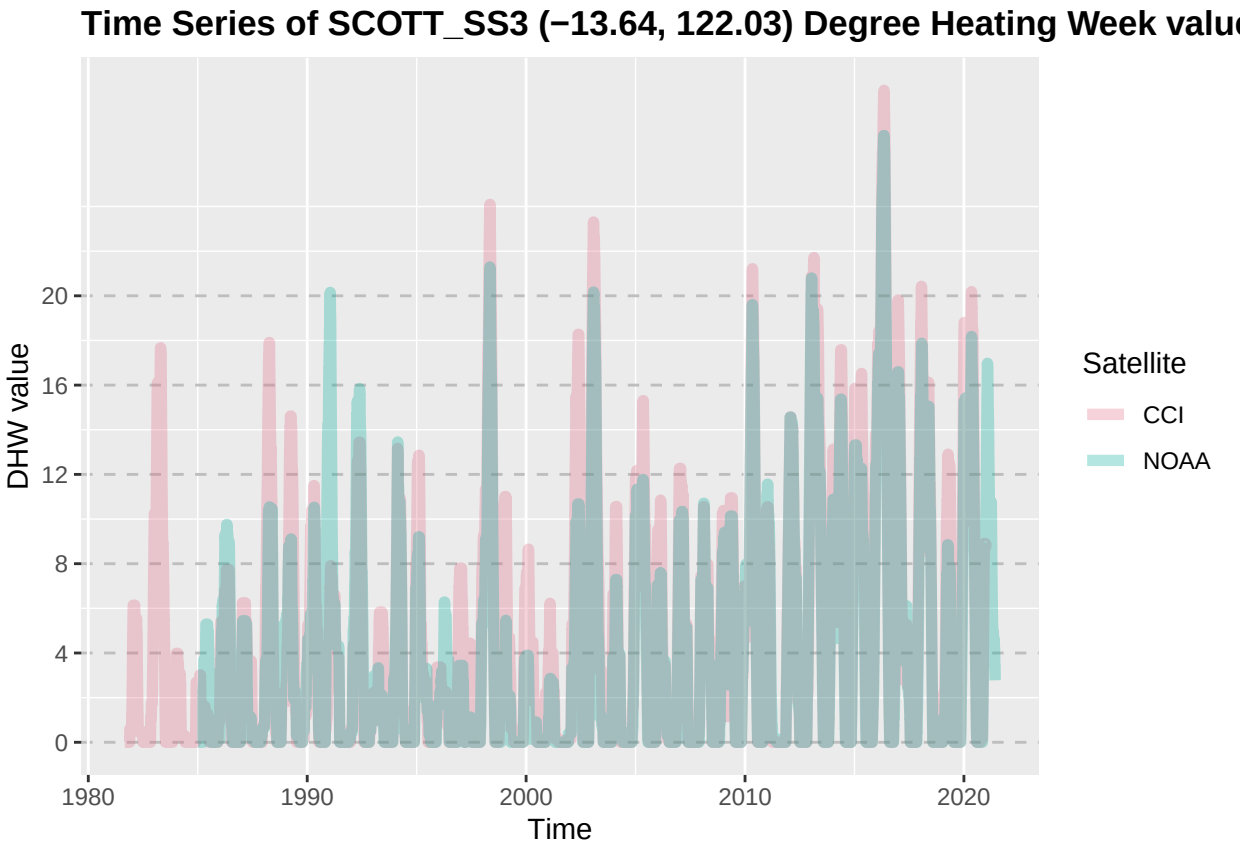
4
8
12
16
20
1980
1990
2000
2010
2020
Time
Satellite
CCI
NOAA


Time Series of SCOTT_RPO_1 (−14.06, 121.78) Degree Heating Week va
DHW value
20
16
12
8
4
0
1980
1990
2000
2010
2020
Time
Satellite
CCI
NOAA


Time Series of SCOTT_SL4 (−14.02, 121.86) Degree Heating Week valu
DHW value
20
16
12
8
4
0
1980
1990
2000
2010
2020
Time
Satellite
CCI
NOAA


Time Series of SCOTT_SS3 (−13.64, 122.03) Degree Heating Week valu
DHW value
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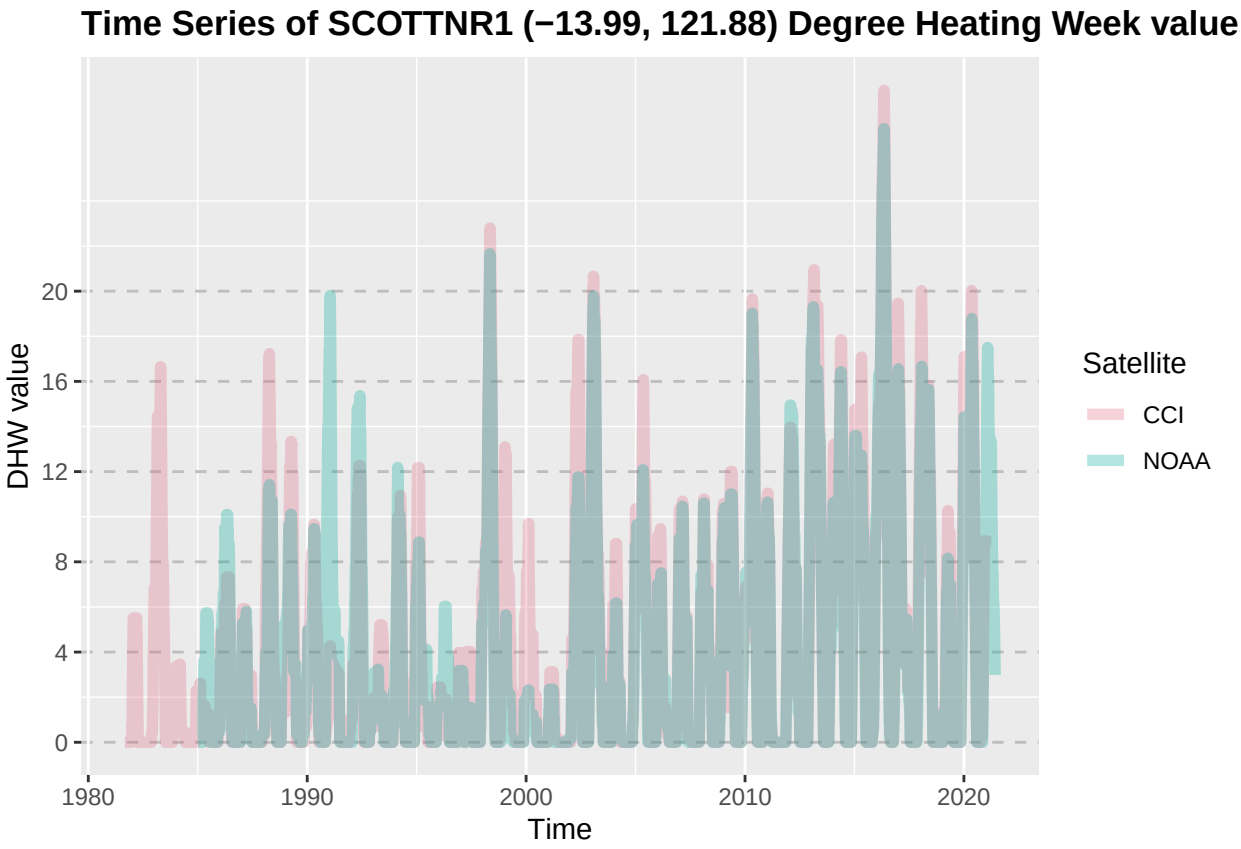
16
12
8
4
0
1980
1990
2000
2010
2020
Time
Satellite
CCI
NOAA


Time Series of SCOTTNR1 (−13.99, 121.88) Degree Heating Week value
DHW value
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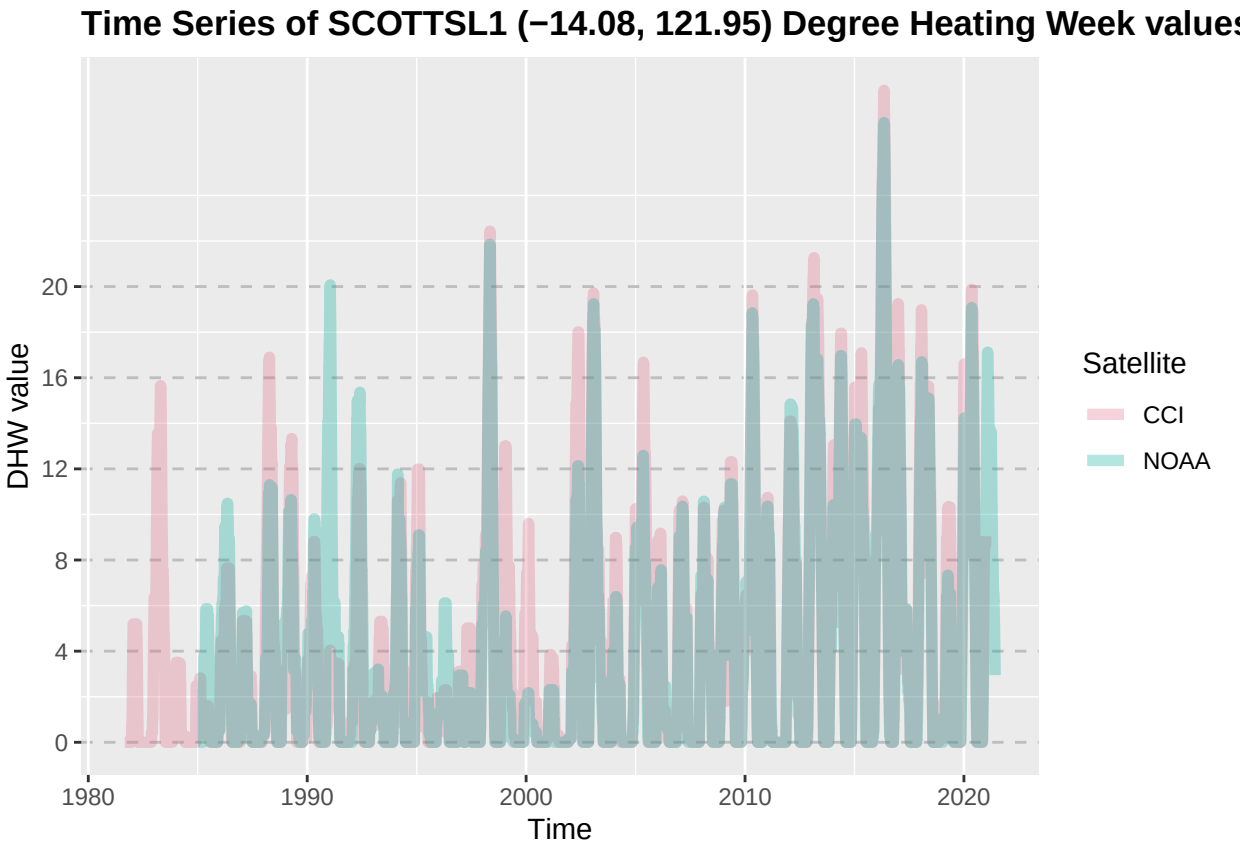
16
12
8
4
0
1980
1990
2000
2010
2020
Time
Satellite
CCI
NOAA


Time Series of SCOTTSL1 (−14.08, 121.95) Degree Heating Week values
DHW value
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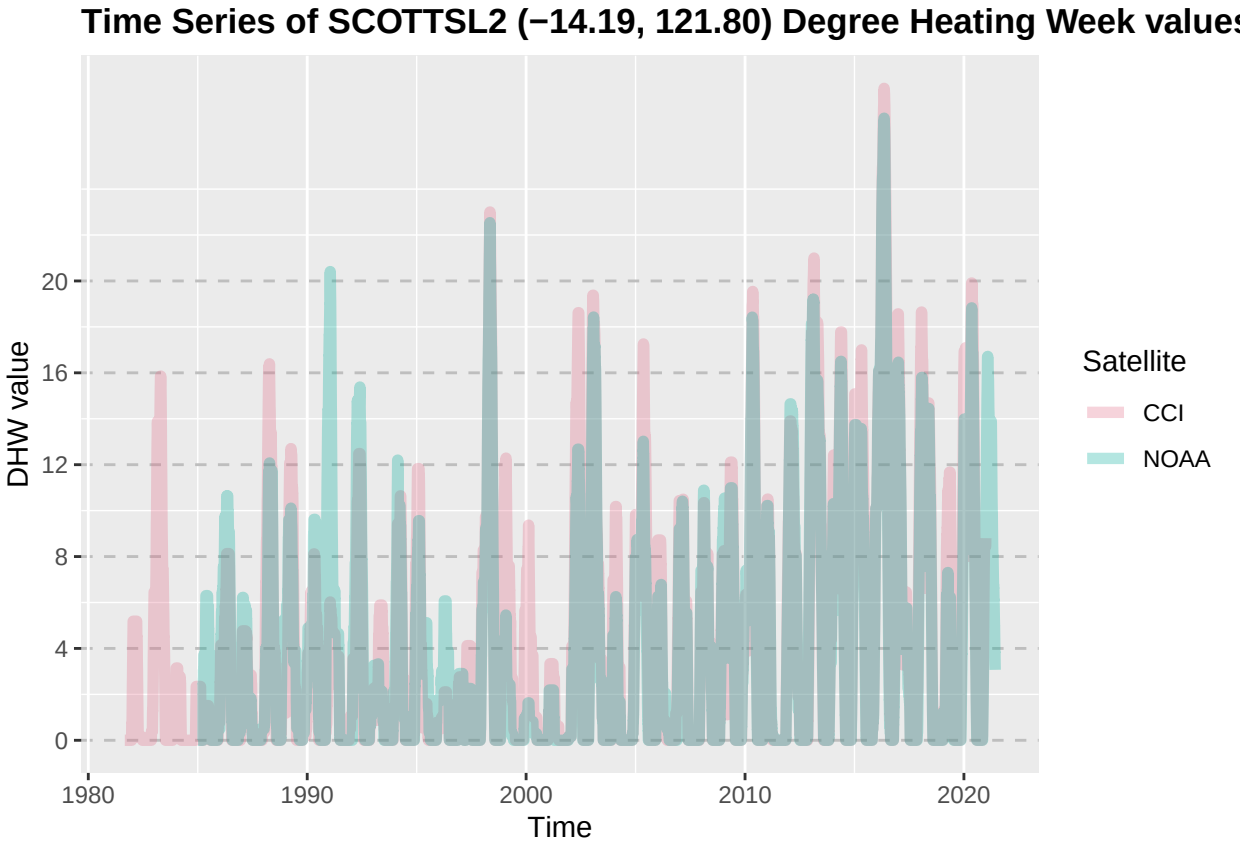
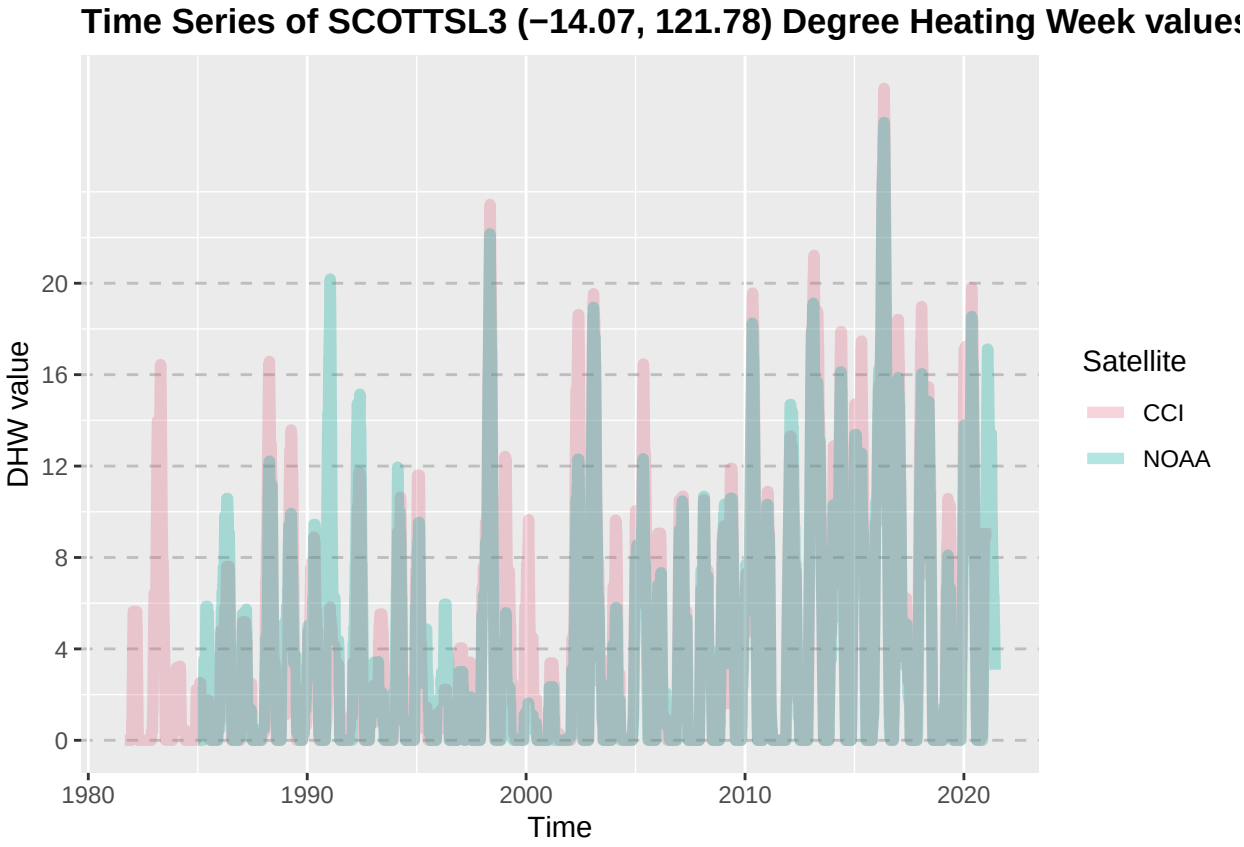
16
12
8
4
0
1980
1990
2000
2010
2020
Time
Satellite
CCI
NOAA


Time Series of SCOTTSL2 (−14.19, 121.80) Degree Heating Week values
DHW value
0
4
8
12
16
20
1980
1990
2000
2010
2020
Time
Satellite
CCI
NOAA


Time Series of SCOTTSL3 (−14.07, 121.78) Degree Heating Week values
DHW value
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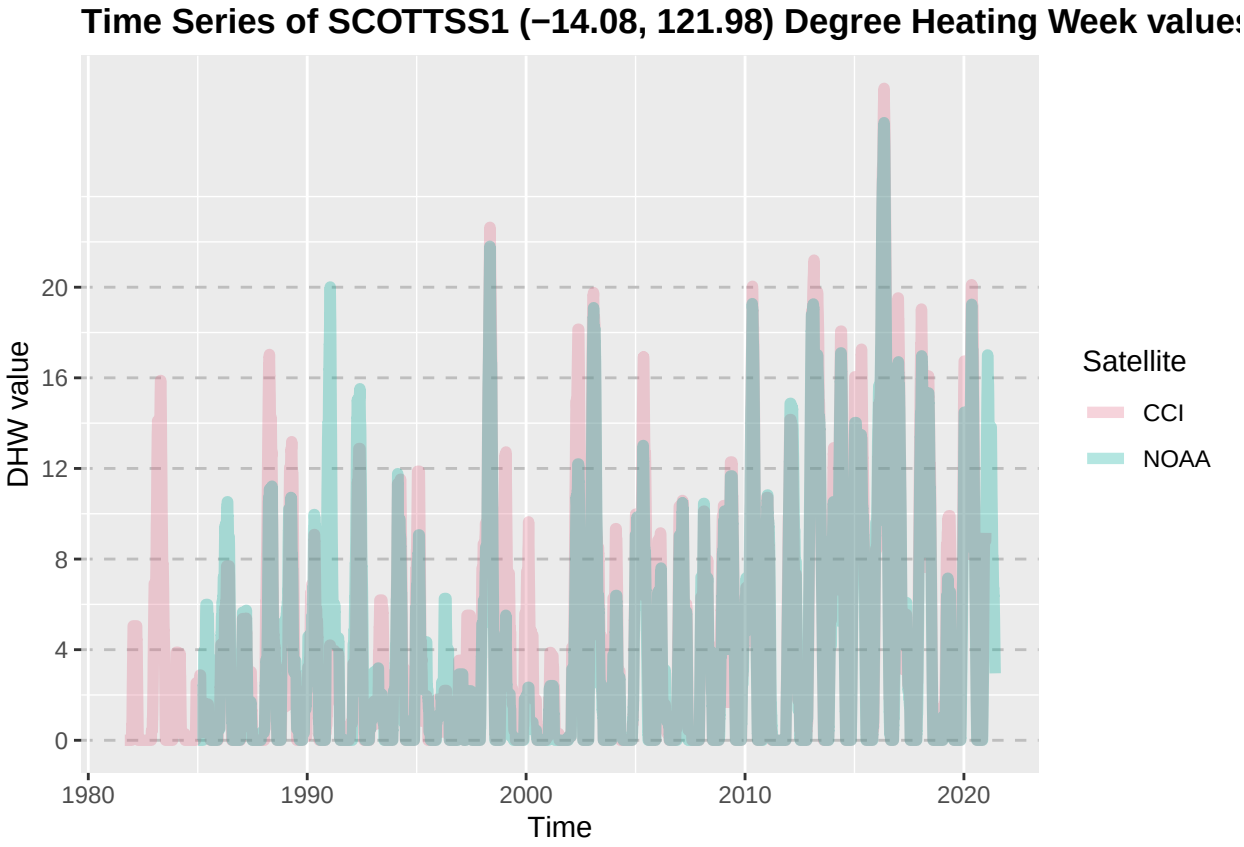
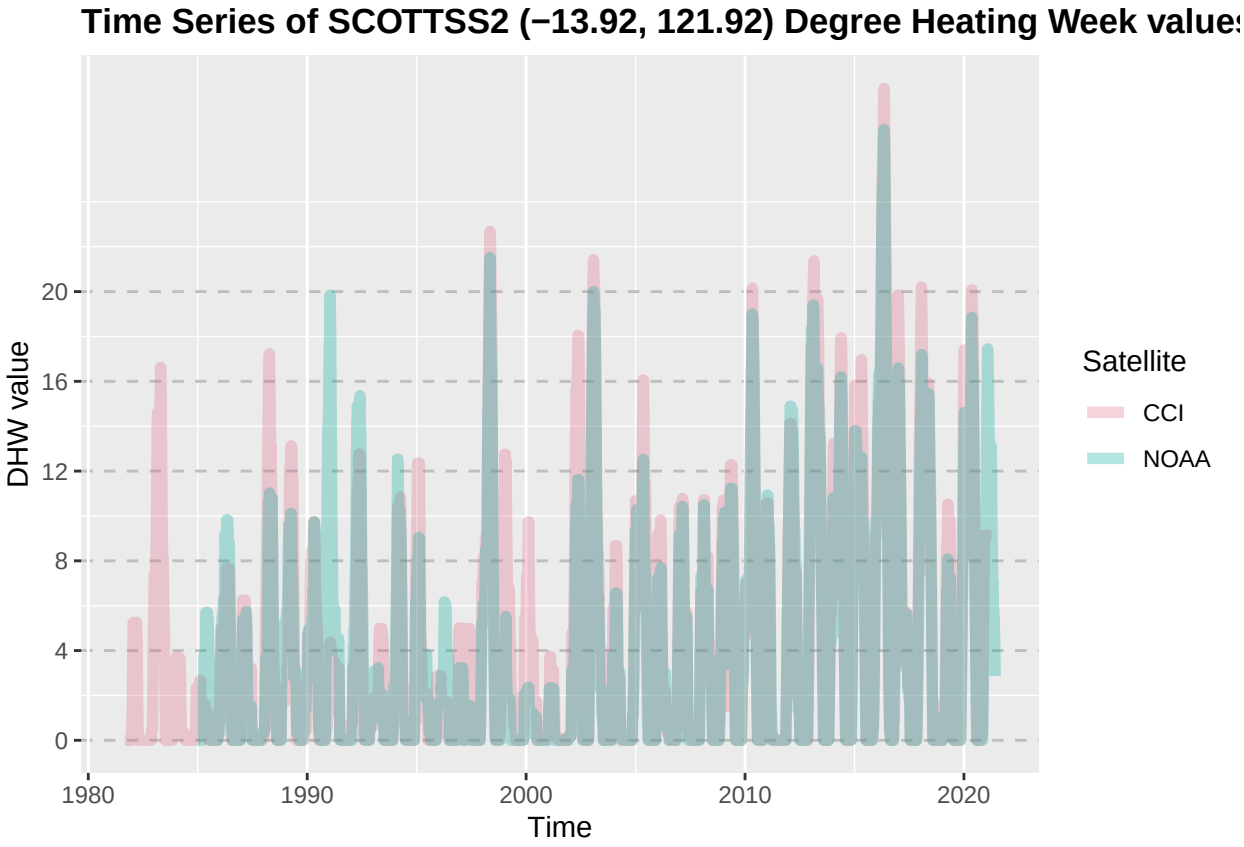
16
12
8
4
0
1980
1990
2000
2010
2020
Time
Satellite
CCI
NOAA


Time Series of SCOTTSS1 (−14.08, 121.98) Degree Heating Week values
DHW value
20
16
12
8
4
0
1980
1990
2000
2010
2020
Time
Satellite
CCI
NOAA


Time Series of SCOTTSS2 (−13.92, 121.92) Degree Heating Week values
DHW value
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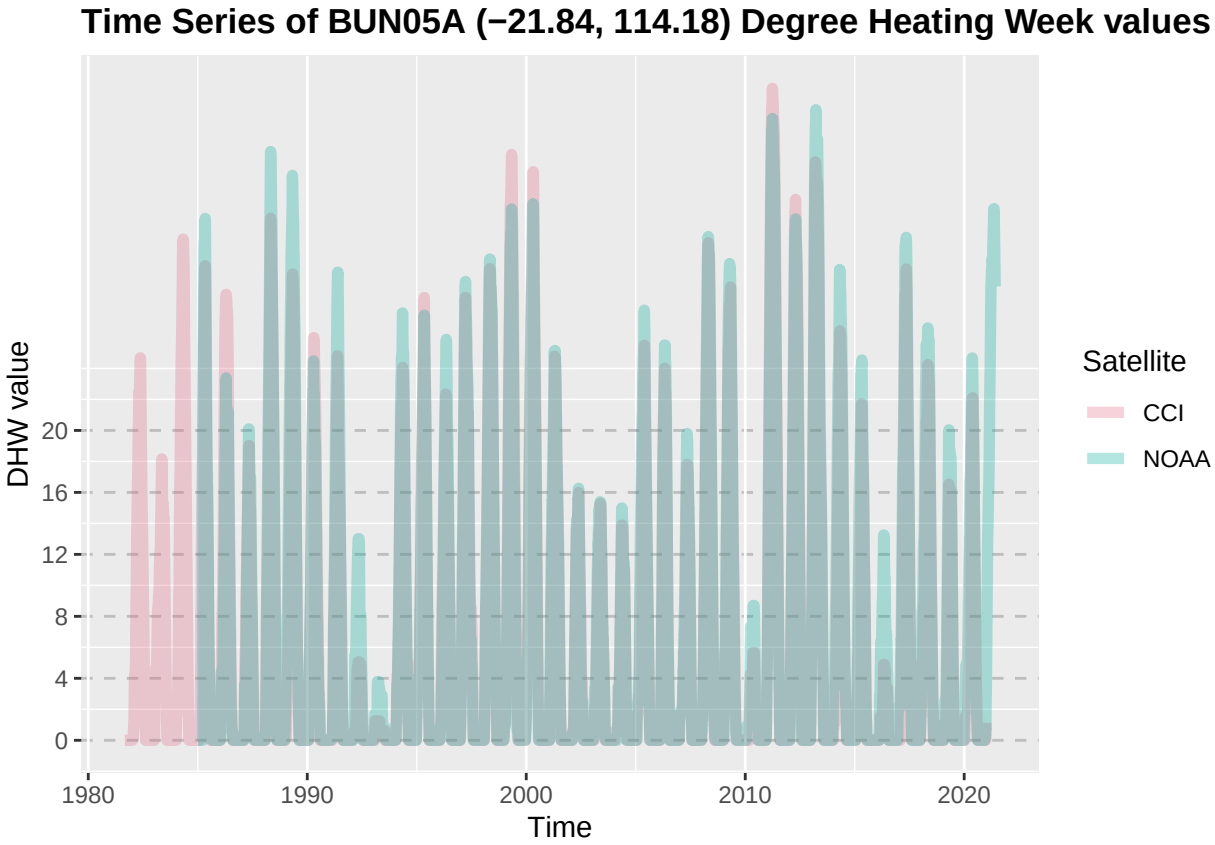
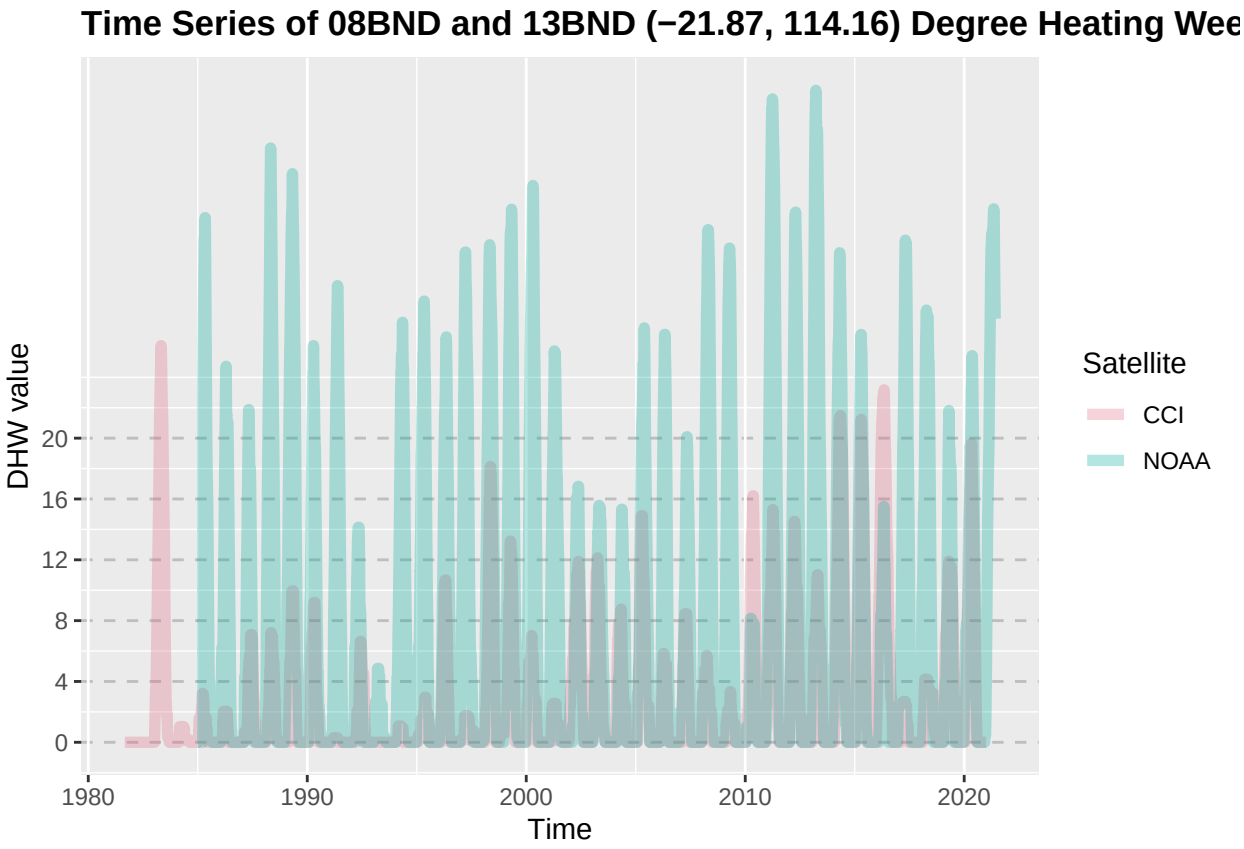
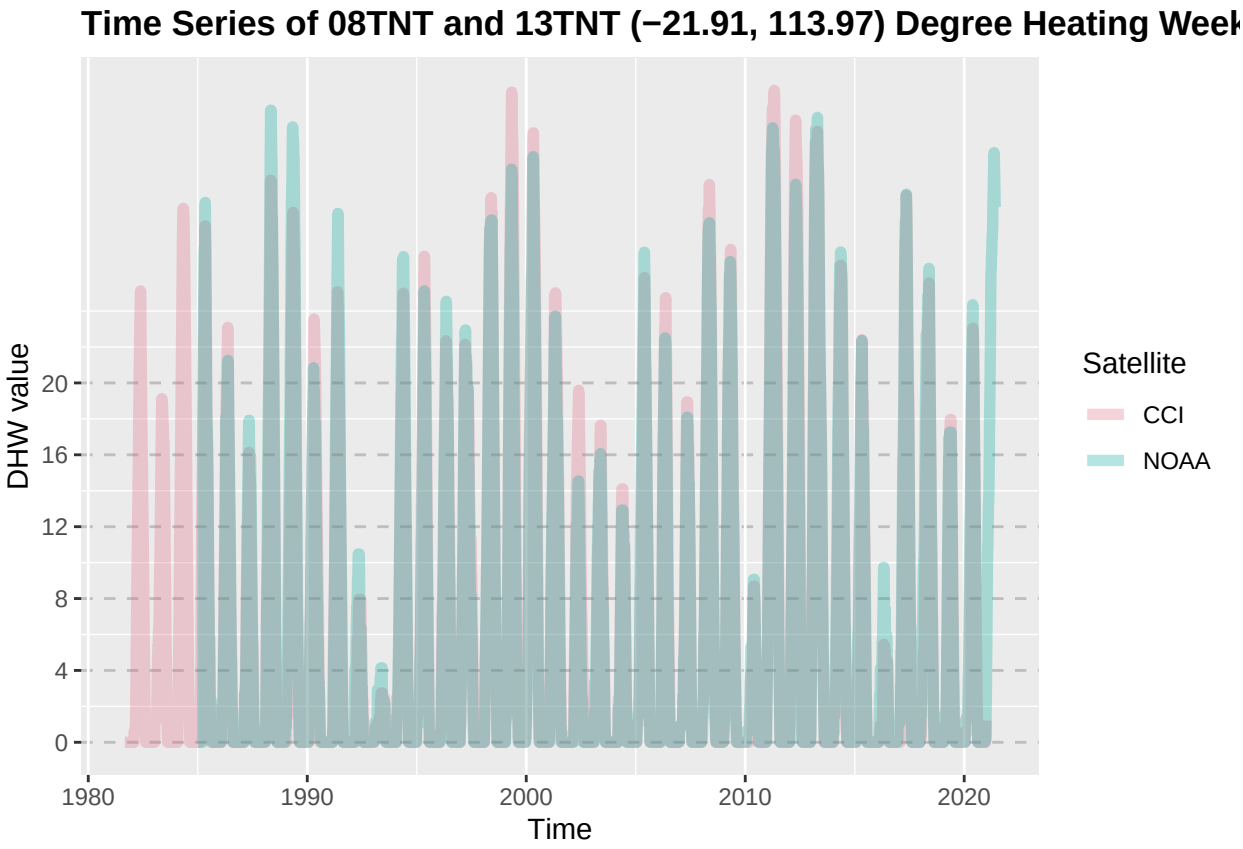
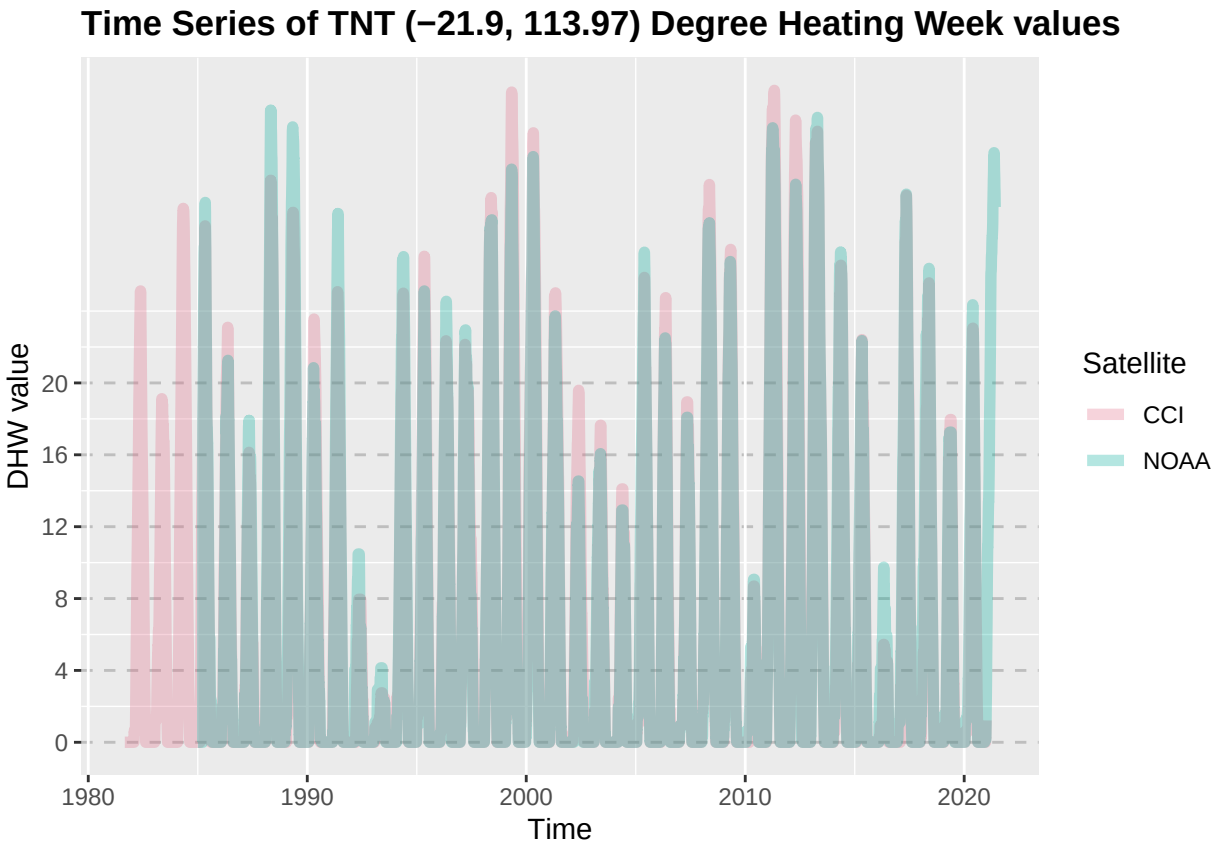
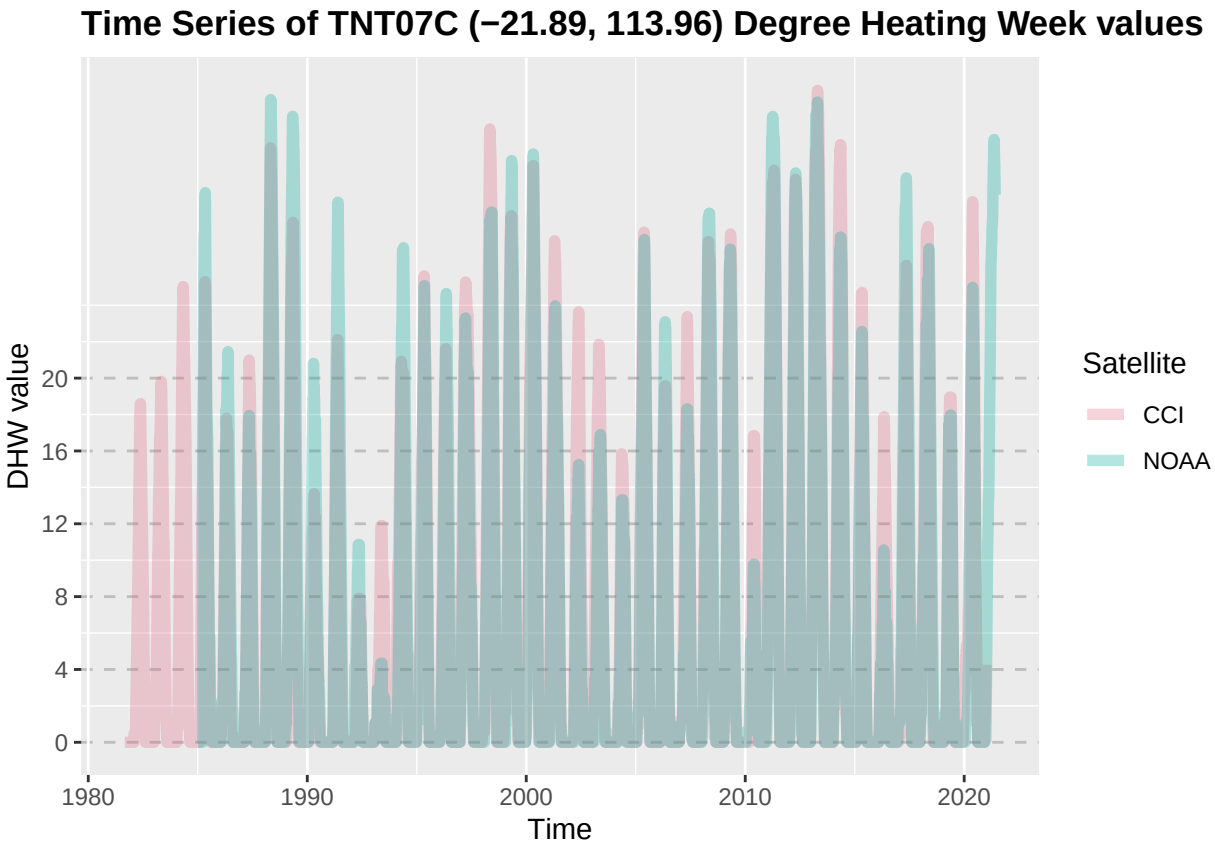
4
8
12
16
20
1980
1990
2000
2010
2020
Time
Satellite
CCI
NOAA

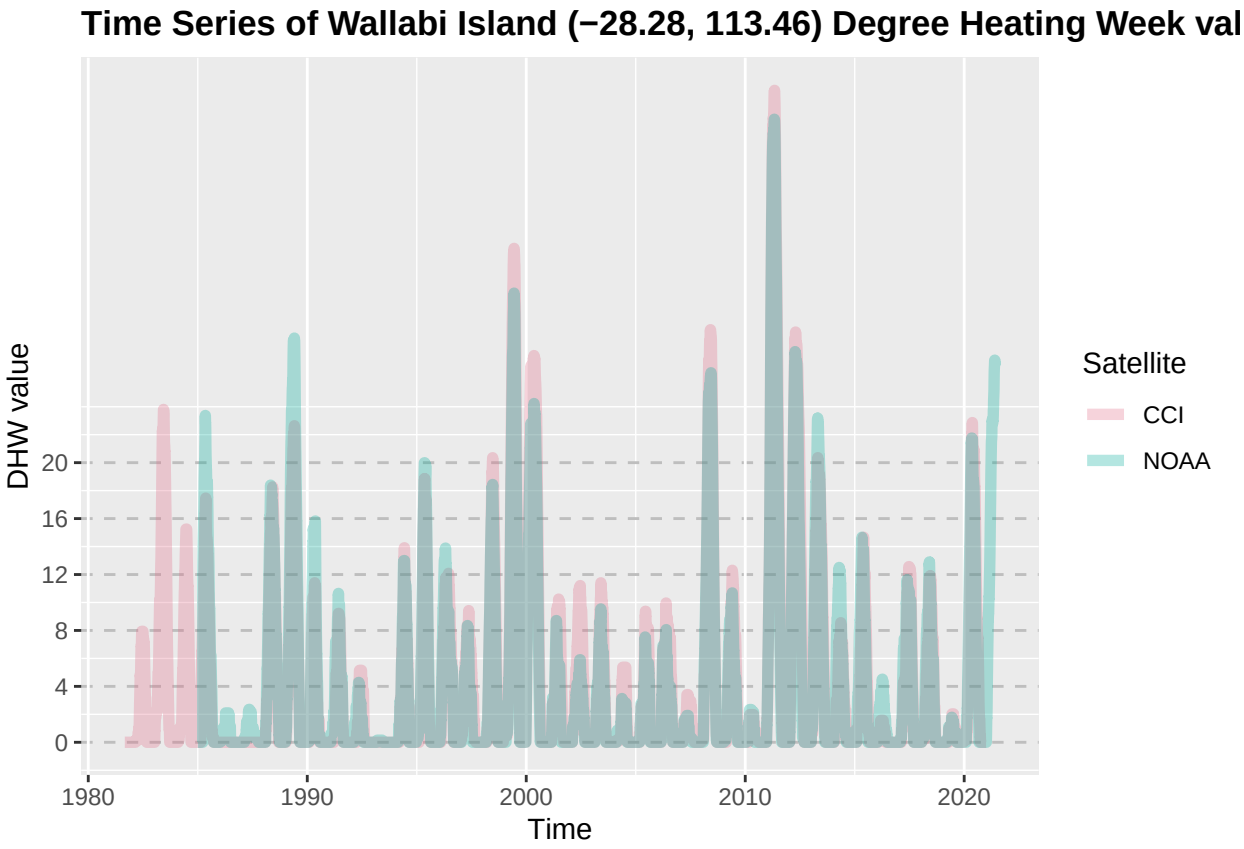

Time Series of BUN05A (−21.84, 114.18) Degree Heating Week values
DHW value
20
16
12
8
4
0
1980
1990
2000
2010
2020
Time
Satellite
CCI
NOAA

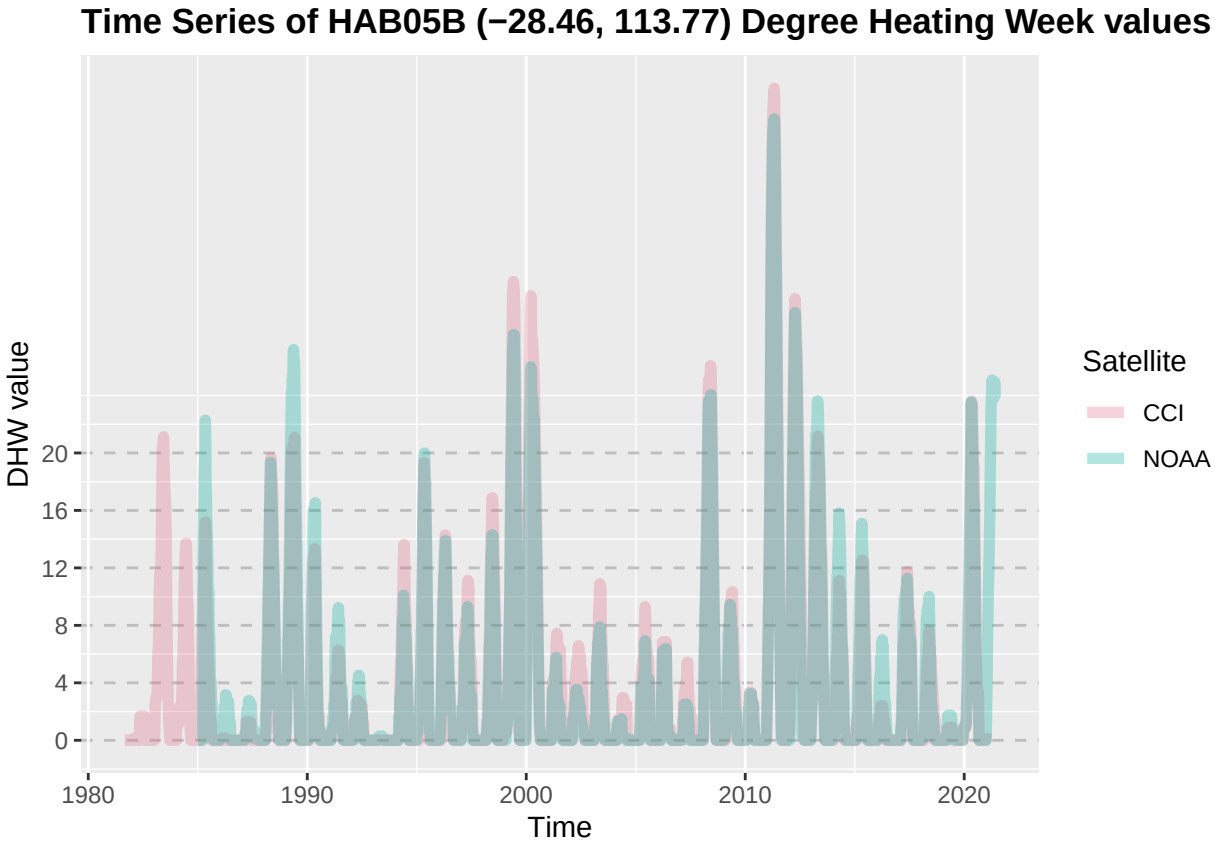

Time Series of 08BND and 13BND (−21.87, 114.16) Degree Heating Wee
DHW value
20
16
12
8
4
0
1980
1990
2000
2010
2020
Time
Satellite
CCI
NOAA

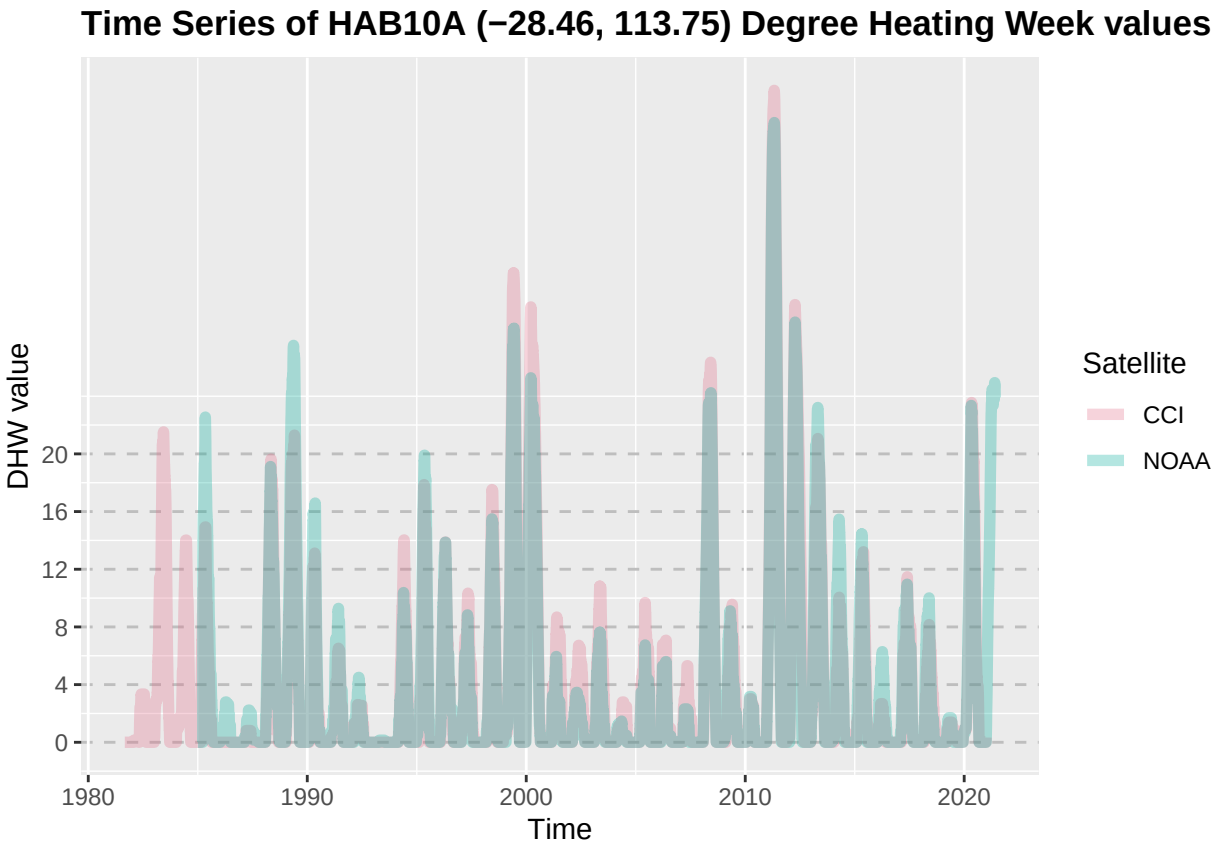

Time Series of 08TNT and 13TNT (−21.91, 113.97) Degree Heating Week
DHW value
0
4
8
12
16
20
1980
1990
2000
2010
2020
Time
Satellite
CCI
NOAA


Time Series of TNT (−21.9, 113.97) Degree Heating Week values
DHW value
0
4
8
12
16
20
1980
1990
2000
2010
2020
Time
Satellite
CCI
NOAA


Time Series of TNT07C (−21.89, 113.96) Degree Heating Week values
DHW value
0
4
8
12
16
20
1980
1990
2000
2010
2020
Time
Satellite
CCI
NOAA


Time Series of Wallabi Island (−28.28, 113.46) Degree Heating Week val
DHW value
20
16
12
8
4
0
1980
1990
2000
2010
2020
Time
Satellite
CCI
NOAA


Time Series of HAB05B (−28.46, 113.77) Degree Heating Week values
DHW value
20
16
12
8
4
0
1980
1990
2000
2010
2020
Time
Satellite
CCI
NOAA


Time Series of HAB10A (−28.46, 113.75) Degree Heating Week values
DHW value
20
16
12
8
4
0
1980
1990
2000
2010
2020
Time
Satellite
CCI
NOAA

BRS05 Yearly Sum of Moderate and High DHW Values in CCI and NOAA data

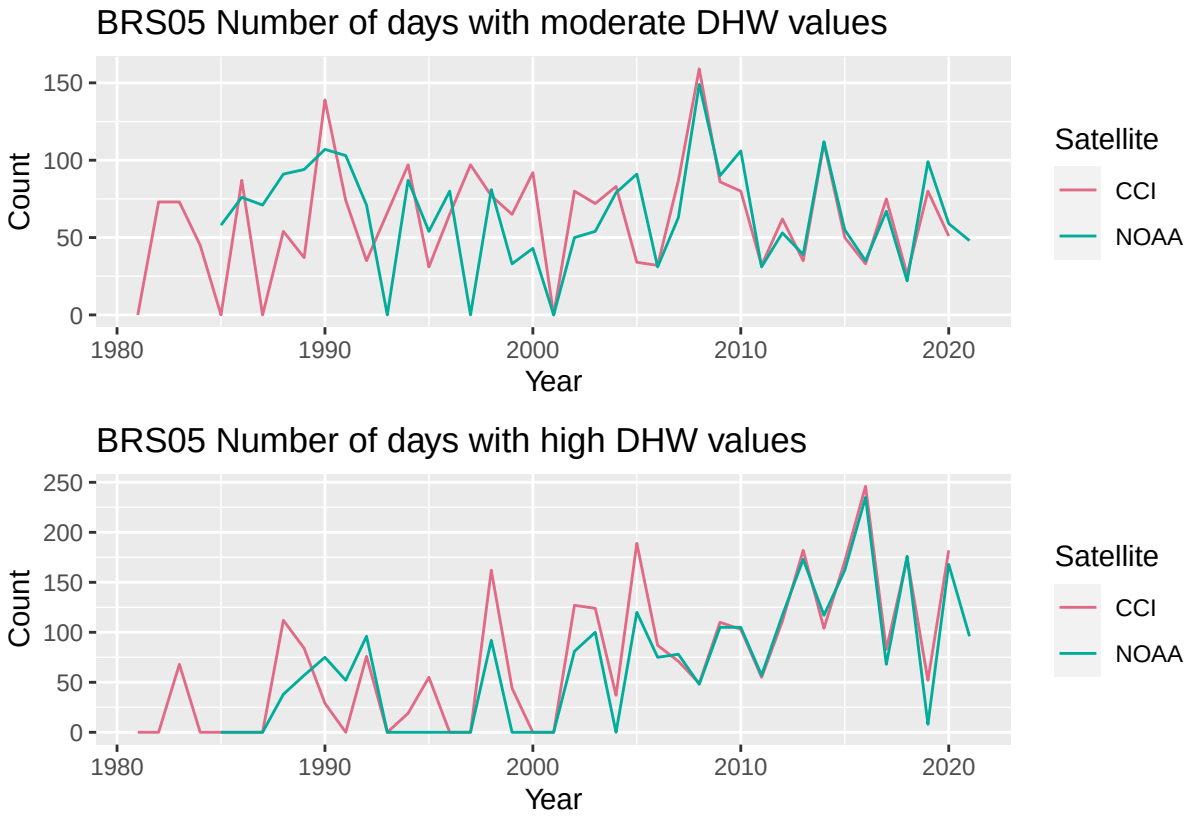


Table 1: Number of Days with moderate Degree Heating Week values

Year	CCI_DHW4	Year	NOAA_DHW4
2008	159	2008	149
1990	139	2014	112
2014	111	1990	107
1994	97	2010	106
1997	97	1991	103
2000	92	2019	99
1986	87	1989	94
2007	87	1988	91
2009	86	2005	91
2004	83	2009	90
2002	80	1994	87
2010	80	1998	81
2019	80	1996	80
1998	77	2004	79
2017	75	1986	76
1991	74	1987	71
1982	73	1992	71
1983	73	2017	67
2003	72	2007	63
1993	66	2020	59
1996	65	1985	58
1999	65	2015	55
2012	62	1995	54
1988	54	2003	54
2020	51	2012	53
2015	50	2002	50
1984	45	2021	48
1989	37	2000	43
1992	35	2013	39
2013	35	2016	35
2005	34	1999	33
2016	33	2006	31
2006	32	2011	31
2011	32	2018	22
1995	31	1993	0
2018	26	1997	0
1981	0	2001	0
1985	0	1981	NA
1987	0	1982	NA
2001	0	1983	NA
2021	NA	1984	NA

Table 2: Number of Days with high Degree Heating Week values

Year	CCI_DHW8	Year	NOAA_DHW8
2016	246	2016	235
2005	189	2018	176
2013	182	2013	173
2020	182	2020	168
2018	174	2015	162
2015	171	2005	120
1998	162	2012	117
2002	127	2014	117
2003	124	2009	105
1988	112	2010	105
2012	111	2003	100
2009	110	1992	96
2014	104	2021	96
2010	103	1998	92
2006	87	2002	81
1989	84	2007	78
2017	83	1990	75
1992	76	2006	75
2007	71	2017	68
1983	68	1989	57
1995	55	2011	57
2011	55	1991	52
2019	52	2008	48
2008	49	1988	38
1999	44	2019	8
2004	37	1985	0
1990	29	1986	0
1994	19	1987	0
1981	0	1993	0
1982	0	1994	0
1984	0	1995	0
1985	0	1996	0
1986	0	1997	0
1987	0	1999	0
1991	0	2000	0
1993	0	2001	0
1996	0	2004	0
1997	0	1981	NA
2000	0	1982	NA
2001	0	1983	NA
2021	NA	1984	NA

BRS07 Yearly Sum of Moderate and High DHW Values in CCI and NOAA data

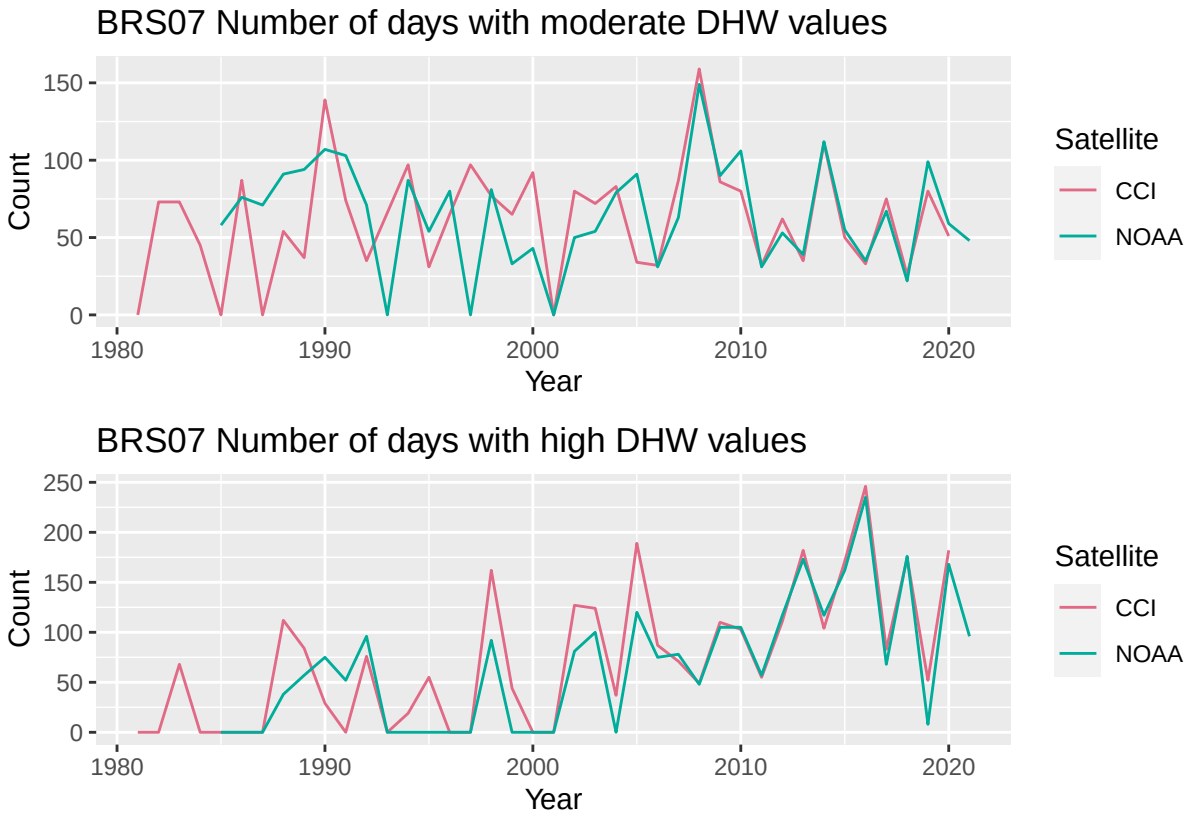


Table 3: Number of Days with moderate Degree Heating Week values

Year	CCI_DHW4	Year	NOAA_DHW4
2008	159	2008	149
1990	139	2014	112
2014	111	1990	107
1994	97	2010	106
1997	97	1991	103
2000	92	2019	99
1986	87	1989	94
2007	87	1988	91
2009	86	2005	91
2004	83	2009	90
2002	80	1994	87
2010	80	1998	81
2019	80	1996	80
1998	77	2004	79
2017	75	1986	76
1991	74	1987	71
1982	73	1992	71
1983	73	2017	67
2003	72	2007	63
1993	66	2020	59
1996	65	1985	58
1999	65	2015	55
2012	62	1995	54
1988	54	2003	54
2020	51	2012	53
2015	50	2002	50
1984	45	2021	48
1989	37	2000	43
1992	35	2013	39
2013	35	2016	35
2005	34	1999	33
2016	33	2006	31
2006	32	2011	31
2011	32	2018	22
1995	31	1993	0
2018	26	1997	0
1981	0	2001	0
1985	0	1981	NA
1987	0	1982	NA
2001	0	1983	NA
2021	NA	1984	NA

Table 4: Number of Days with high Degree Heating Week values

Year	CCI_DHW8	Year	NOAA_DHW8
2016	246	2016	235
2005	189	2018	176
2013	182	2013	173
2020	182	2020	168
2018	174	2015	162
2015	171	2005	120
1998	162	2012	117
2002	127	2014	117
2003	124	2009	105
1988	112	2010	105
2012	111	2003	100
2009	110	1992	96
2014	104	2021	96
2010	103	1998	92
2006	87	2002	81
1989	84	2007	78
2017	83	1990	75
1992	76	2006	75
2007	71	2017	68
1983	68	1989	57
1995	55	2011	57
2011	55	1991	52
2019	52	2008	48
2008	49	1988	38
1999	44	2019	8
2004	37	1985	0
1990	29	1986	0
1994	19	1987	0
1981	0	1993	0
1982	0	1994	0
1984	0	1995	0
1985	0	1996	0
1986	0	1997	0
1987	0	1999	0
1991	0	2000	0
1993	0	2001	0
1996	0	2004	0
1997	0	1981	NA
2000	0	1982	NA
2001	0	1983	NA
2021	NA	1984	NA

DAR3 Yearly Sum of Moderate and High DHW Values in CCI and NOAA data

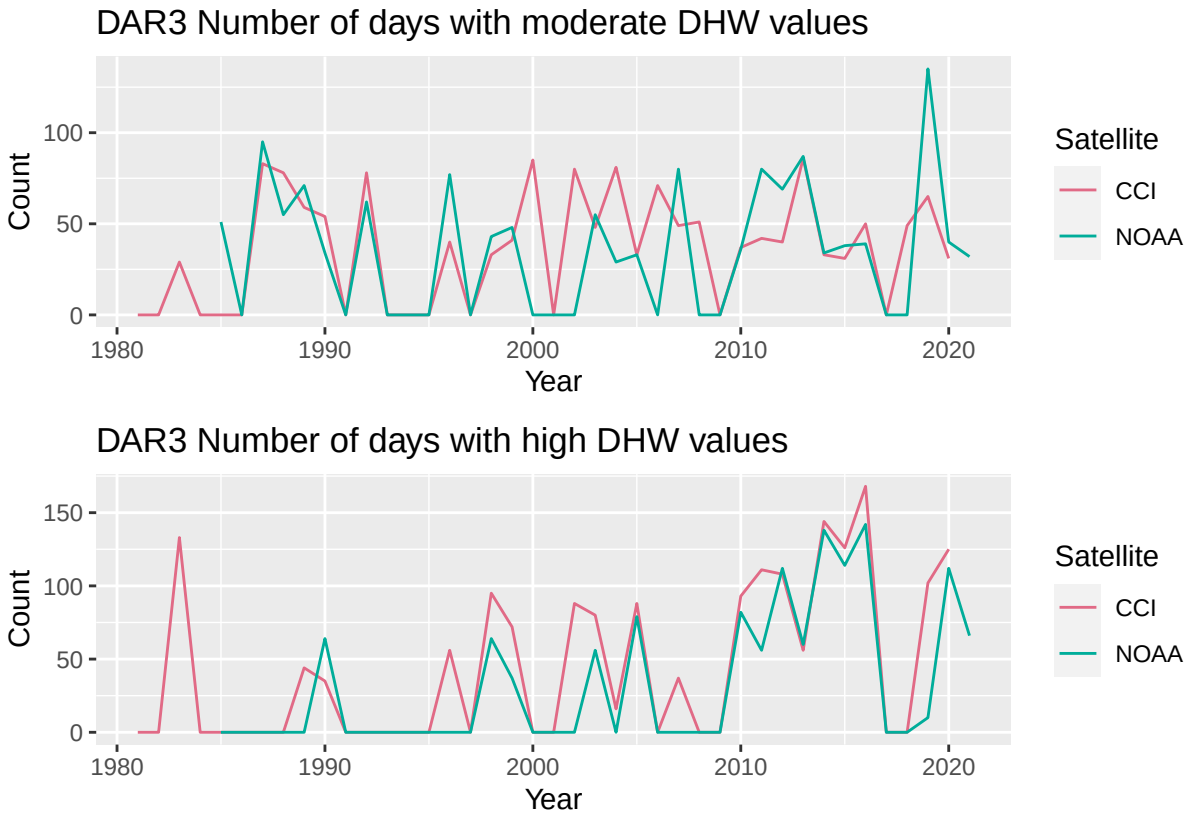


Table 5: Number of Days with moderate Degree Heating Week values

Year	CCI_DHW4	Year	NOAA_DHW4
2013	86	2019	135
2000	85	1987	95
1987	83	2013	87
2004	81	2007	80
2002	80	2011	80
1988	78	1996	77
1992	78	1989	71
2006	71	2012	69
2019	65	1992	62
1989	59	1988	55
1990	54	2003	55
2008	51	1985	51
2016	50	1999	48
2007	49	1998	43
2018	49	2020	40
2003	48	2016	39
2011	42	2015	38
1999	41	2010	36
1996	40	1990	34
2012	40	2014	34
2010	37	2005	33
1998	33	2021	32
2005	33	2004	29
2014	33	1986	0
2015	31	1991	0
2020	31	1993	0
1983	29	1994	0
1981	0	1995	0
1982	0	1997	0
1984	0	2000	0
1985	0	2001	0
1986	0	2002	0
1991	0	2006	0
1993	0	2008	0
1994	0	2009	0
1995	0	2017	0
1997	0	2018	0
2001	0	1981	NA
2009	0	1982	NA
2017	0	1983	NA
2021	NA	1984	NA

Table 6: Number of Days with high Degree Heating Week values

Year	CCI_DHW8	Year	NOAA_DHW8
2016	168	2016	142
2014	144	2014	138
1983	133	2015	114
2015	126	2012	112
2020	125	2020	112
2011	111	2010	82
2012	108	2005	79
2019	102	2021	66
1998	95	1990	64
2010	93	1998	64
2002	88	2013	60
2005	88	2003	56
2003	80	2011	56
1999	72	1999	37
1996	56	2019	10
2013	56	1985	0
1989	44	1986	0
2007	37	1987	0
1990	35	1988	0
2004	16	1989	0
1981	0	1991	0
1982	0	1992	0
1984	0	1993	0
1985	0	1994	0
1986	0	1995	0
1987	0	1996	0
1988	0	1997	0
1991	0	2000	0
1992	0	2001	0
1993	0	2002	0
1994	0	2004	0
1995	0	2006	0
1997	0	2007	0
2000	0	2008	0
2001	0	2009	0
2006	0	2017	0
2008	0	2018	0
2009	0	1981	NA
2017	0	1982	NA
2018	0	1983	NA
2021	NA	1984	NA

DAR Long Yearly Sum of Moderate and High DHW Values in CCI and NOAA data

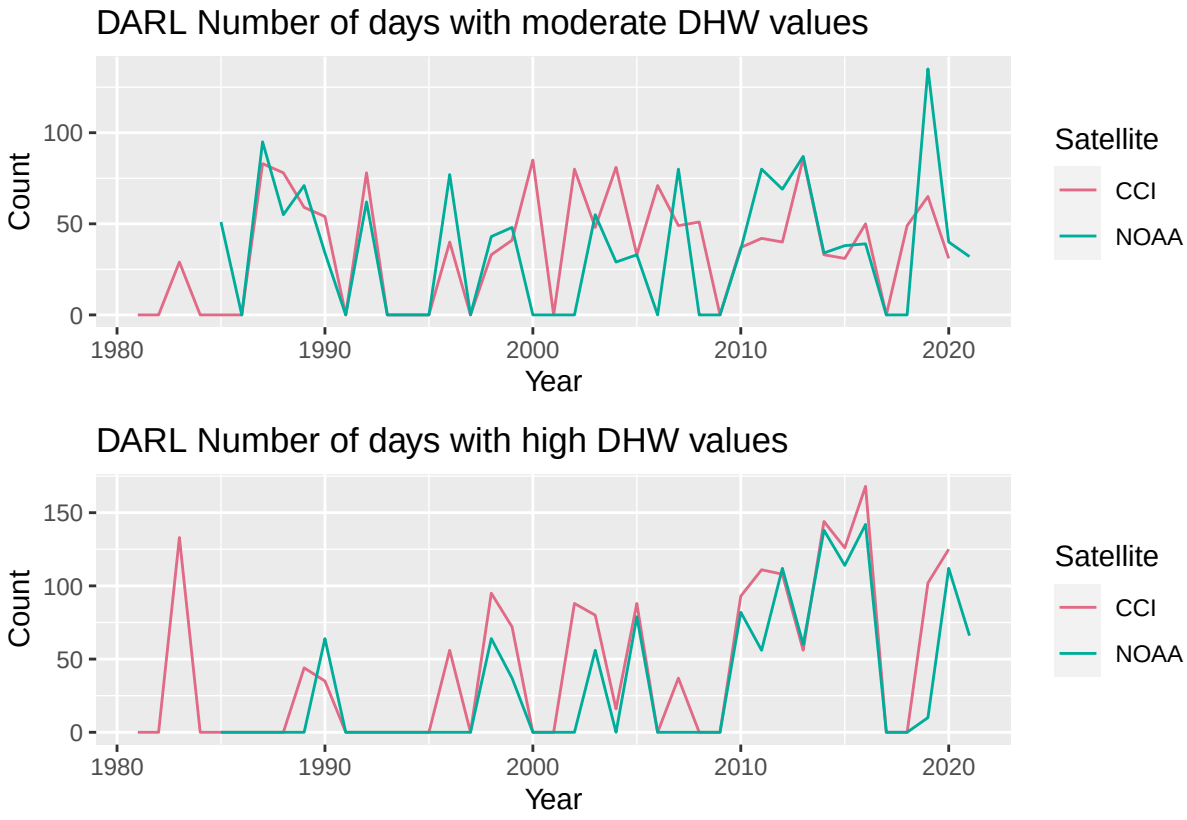


Table 7: Number of Days with moderate Degree Heating Week values

Year	CCI_DHW4	Year	NOAA_DHW4
2013	86	2019	135
2000	85	1987	95
1987	83	2013	87
2004	81	2007	80
2002	80	2011	80
1988	78	1996	77
1992	78	1989	71
2006	71	2012	69
2019	65	1992	62
1989	59	1988	55
1990	54	2003	55
2008	51	1985	51
2016	50	1999	48
2007	49	1998	43
2018	49	2020	40
2003	48	2016	39
2011	42	2015	38
1999	41	2010	36
1996	40	1990	34
2012	40	2014	34
2010	37	2005	33
1998	33	2021	32
2005	33	2004	29
2014	33	1986	0
2015	31	1991	0
2020	31	1993	0
1983	29	1994	0
1981	0	1995	0
1982	0	1997	0
1984	0	2000	0
1985	0	2001	0
1986	0	2002	0
1991	0	2006	0
1993	0	2008	0
1994	0	2009	0
1995	0	2017	0
1997	0	2018	0
2001	0	1981	NA
2009	0	1982	NA
2017	0	1983	NA
2021	NA	1984	NA

Table 8: Number of Days with high Degree Heating Week values

Year	CCI_DHW8	Year	NOAA_DHW8
2016	168	2016	142
2014	144	2014	138
1983	133	2015	114
2015	126	2012	112
2020	125	2020	112
2011	111	2010	82
2012	108	2005	79
2019	102	2021	66
1998	95	1990	64
2010	93	1998	64
2002	88	2013	60
2005	88	2003	56
2003	80	2011	56
1999	72	1999	37
1996	56	2019	10
2013	56	1985	0
1989	44	1986	0
2007	37	1987	0
1990	35	1988	0
2004	16	1989	0
1981	0	1991	0
1982	0	1992	0
1984	0	1993	0
1985	0	1994	0
1986	0	1995	0
1987	0	1996	0
1988	0	1997	0
1991	0	2000	0
1992	0	2001	0
1993	0	2002	0
1994	0	2004	0
1995	0	2006	0
1997	0	2007	0
2000	0	2008	0
2001	0	2009	0
2006	0	2017	0
2008	0	2018	0
2009	0	1981	NA
2017	0	1982	NA
2018	0	1983	NA
2021	NA	1984	NA

SCOTT_RPO_1 Yearly Sum of Moderate and High DHW Values in CCI and NOAA data

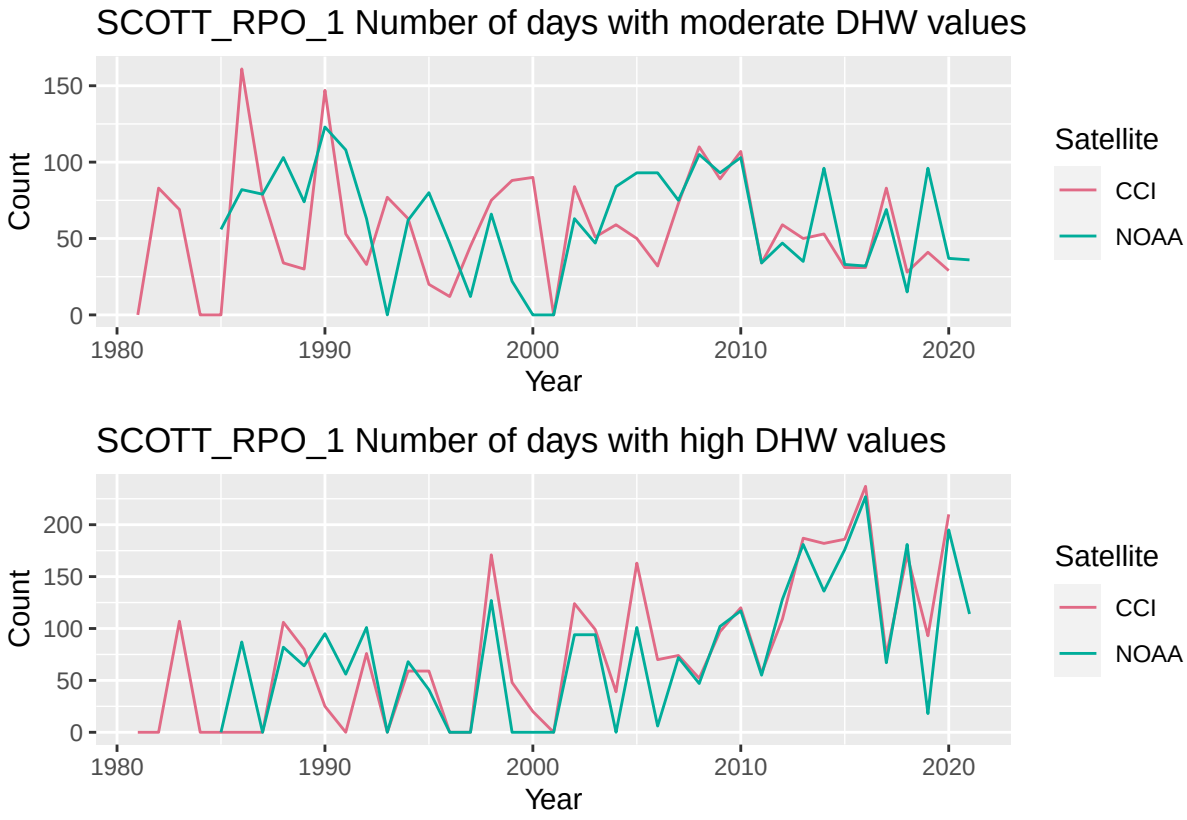


Table 9: Number of Days with moderate Degree Heating Week values

Year	CCI_DHW4	Year	NOAA_DHW4
1986	161	1990	123
1990	147	1991	108
2008	110	2008	105
2010	107	1988	103
2000	90	2010	103
2009	89	2014	96
1999	88	2019	96
2002	84	2005	93
1982	83	2006	93
2017	83	2009	93
1987	78	2004	84
1993	77	1986	82
1998	75	1995	80
2007	73	1987	79
1983	69	2007	75
1994	63	1989	74
2004	59	2017	69
2012	59	1998	66
1991	53	1992	63
2014	53	2002	63
2003	51	1994	62
2005	50	1985	56
2013	50	1996	47
1997	45	2003	47
2019	41	2012	47
1988	34	2020	37
2011	34	2021	36
1992	33	2013	35
2006	32	2011	34
2015	31	2015	33
2016	31	2016	32
1989	30	1999	22
2020	29	2018	15
2018	28	1997	12
1995	20	1993	0
1996	12	2000	0
1981	0	2001	0
1984	0	1981	NA
1985	0	1982	NA
2001	0	1983	NA
2021	NA	1984	NA

Table 10: Number of Days with high Degree Heating Week values

Year	CCI_DHW8	Year	NOAA_DHW8
2016	237	2016	227
2020	210	2020	195
2013	187	2013	181
2015	186	2018	181
2014	182	2015	176
1998	171	2014	136
2018	171	2012	128
2005	163	1998	127
2002	124	2010	117
2010	120	2021	114
2012	109	2009	102
1983	107	1992	101
1988	106	2005	101
2003	99	1990	95
2009	97	2002	94
2019	93	2003	94
1989	80	1986	87
1992	76	1988	82
2007	74	2007	72
2017	74	1994	68
2006	70	2017	67
1994	59	1989	64
1995	59	1991	56
2011	57	2011	55
2008	52	2008	47
1999	48	1995	41
2004	39	2019	18
1990	25	2006	6
2000	20	1985	0
1981	0	1987	0
1982	0	1993	0
1984	0	1996	0
1985	0	1997	0
1986	0	1999	0
1987	0	2000	0
1991	0	2001	0
1993	0	2004	0
1996	0	1981	NA
1997	0	1982	NA
2001	0	1983	NA
2021	NA	1984	NA

SCOTT_SL4 Yearly Sum of Moderate and High DHW Values in CCI and NOAA data

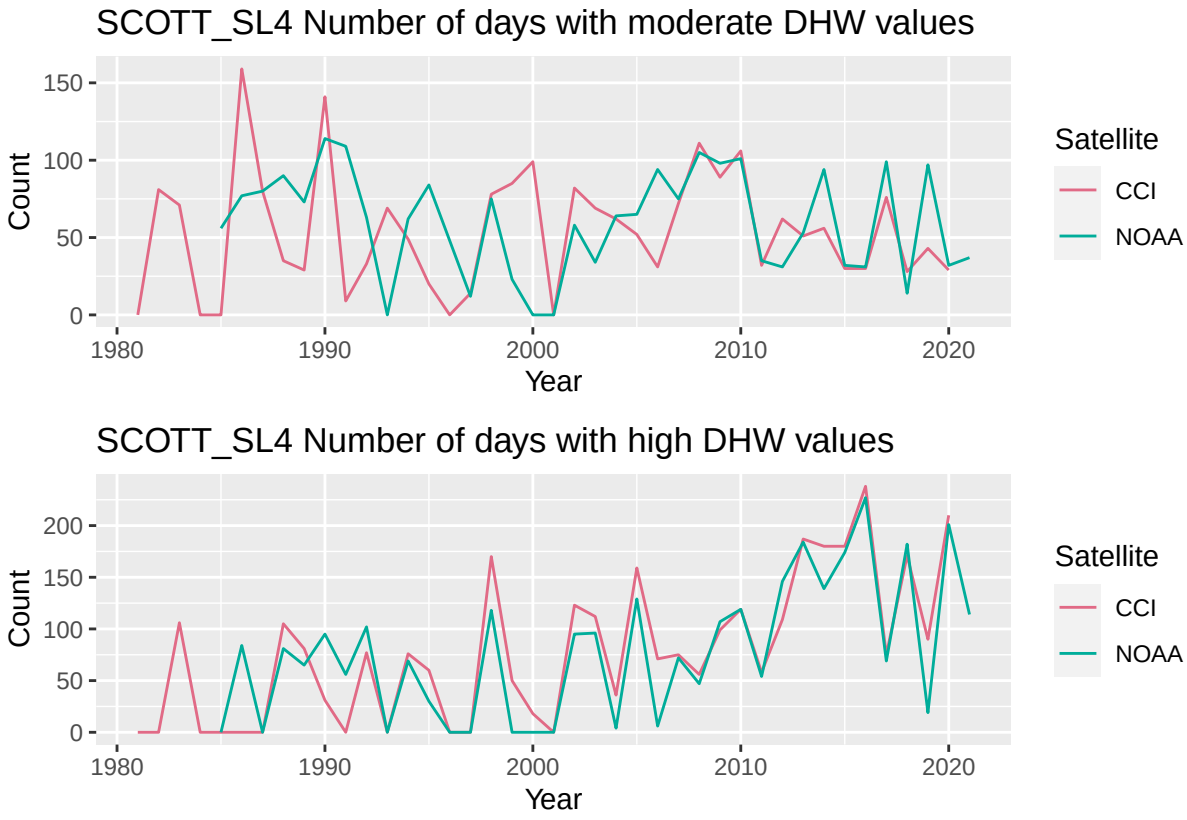


Table 11: Number of Days with moderate Degree Heating Week values

Year	CCI_DHW4	Year	NOAA_DHW4
1986	159	1990	114
1990	141	1991	109
2008	111	2008	105
2010	106	2010	101
2000	99	2017	99
2009	89	2009	98
1999	85	2019	97
2002	82	2006	94
1982	81	2014	94
1987	80	1988	90
1998	78	1995	84
2017	76	1987	80
2007	72	1986	77
1983	71	1998	75
1993	69	2007	75
2003	69	1989	73
2004	62	2005	65
2012	62	2004	64
2014	56	1992	63
2005	52	1994	62
2013	51	2002	58
1994	49	1985	56
2019	43	2013	53
1988	35	1996	48
1992	33	2021	37
2011	32	2011	35
2006	31	2003	34
2015	30	2015	32
2016	30	2020	32
1989	29	2012	31
2020	29	2016	31
2018	28	1999	23
1995	20	2018	14
1997	14	1997	12
1991	9	1993	0
1981	0	2000	0
1984	0	2001	0
1985	0	1981	NA
1996	0	1982	NA
2001	0	1983	NA
2021	NA	1984	NA

Table 12: Number of Days with high Degree Heating Week values

Year	CCI_DHW8	Year	NOAA_DHW8
2016	238	2016	227
2020	210	2020	201
2013	187	2013	184
2014	180	2018	182
2015	180	2015	174
2018	171	2012	146
1998	170	2014	139
2005	159	2005	129
2002	123	2010	119
2010	119	1998	118
2003	112	2021	114
2012	109	2009	107
1983	106	1992	102
1988	105	2003	96
2009	99	1990	95
2019	90	2002	95
1989	81	1986	84
1992	77	1988	81
1994	76	2007	72
2007	75	1994	69
2017	75	2017	69
2006	71	1989	65
1995	60	1991	56
2011	58	2011	54
2008	56	2008	47
1999	50	1995	30
2004	36	2019	19
1990	31	2006	6
2000	18	2004	4
1981	0	1985	0
1982	0	1987	0
1984	0	1993	0
1985	0	1996	0
1986	0	1997	0
1987	0	1999	0
1991	0	2000	0
1993	0	2001	0
1996	0	1981	NA
1997	0	1982	NA
2001	0	1983	NA
2021	NA	1984	NA

SCOTT_SS3 Yearly Sum of Moderate and High DHW Values in CCI and NOAA data

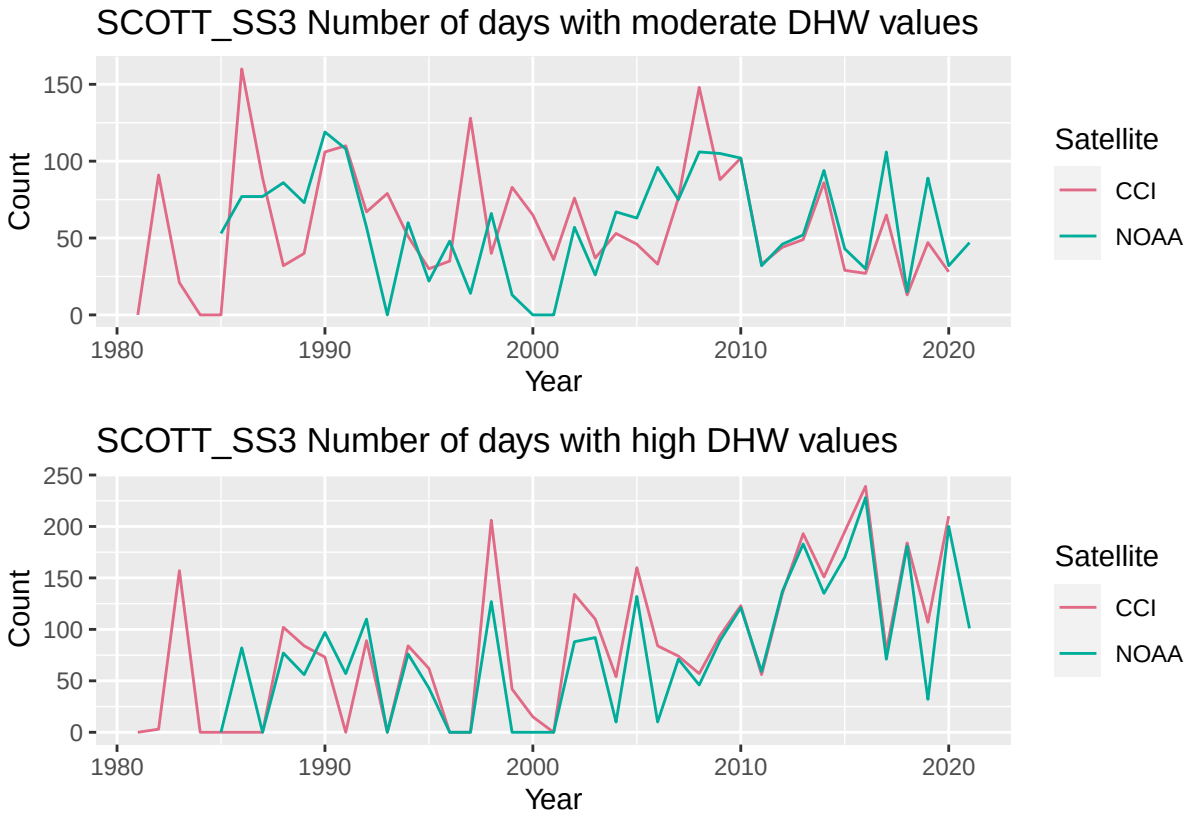


Table 13: Number of Days with moderate Degree Heating Week values

Year	CCI_DHW4	Year	NOAA_DHW4
1986	160	1990	119
2008	148	1991	108
1997	128	2008	106
1991	110	2017	106
1990	106	2009	105
2010	102	2010	102
1982	91	2006	96
1987	89	2014	94
2009	88	2019	89
2014	86	1988	86
1999	83	1986	77
1993	79	1987	77
2002	76	2007	75
2007	76	1989	73
1992	67	2004	67
2000	65	1998	66
2017	65	2005	63
2004	53	1994	60
1994	51	1992	57
2013	49	2002	57
2019	47	1985	53
2005	46	2013	52
2012	44	1996	48
1989	40	2021	47
1998	40	2012	46
2003	37	2015	43
2001	36	2011	32
1996	35	2020	32
2006	33	2016	30
2011	33	2003	26
1988	32	1995	22
1995	30	2018	15
2015	29	1997	14
2020	28	1999	13
2016	27	1993	0
1983	21	2000	0
2018	13	2001	0
1981	0	1981	NA
1984	0	1982	NA
1985	0	1983	NA
2021	NA	1984	NA

Table 14: Number of Days with high Degree Heating Week values

Year	CCI_DHW8	Year	NOAA_DHW8
2016	239	2016	228
2020	210	2020	200
1998	206	2013	183
2015	195	2018	181
2013	193	2015	170
2018	184	2012	137
2005	160	2014	135
1983	157	2005	132
2014	151	1998	127
2012	135	2010	121
2002	134	1992	110
2010	123	2021	101
2003	110	1990	97
2019	107	2003	92
1988	102	2009	89
2009	94	2002	88
1992	89	1986	82
1989	84	1988	77
1994	84	1994	76
2006	84	2007	71
2017	79	2017	71
2007	74	2011	59
1990	73	1991	57
1995	62	1989	56
2008	57	2008	46
2011	56	1995	43
2004	54	2019	32
1999	42	2004	10
2000	15	2006	10
1982	3	1985	0
1981	0	1987	0
1984	0	1993	0
1985	0	1996	0
1986	0	1997	0
1987	0	1999	0
1991	0	2000	0
1993	0	2001	0
1996	0	1981	NA
1997	0	1982	NA
2001	0	1983	NA
2021	NA	1984	NA

SCOTTNR1 Yearly Sum of Moderate and High DHW Values in CCI and NOAA data

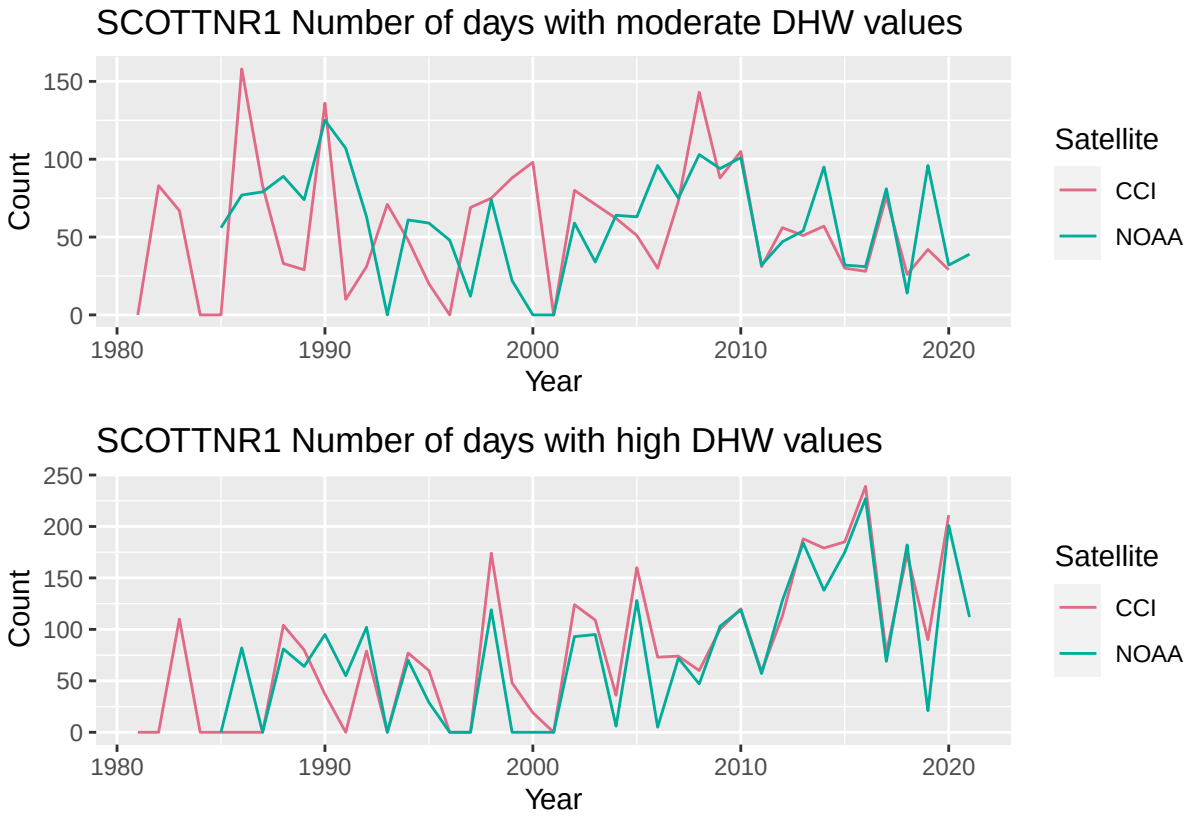


Table 15: Number of Days with moderate Degree Heating Week values

Year	CCI_DHW4	Year	NOAA_DHW4
1986	158	1990	125
2008	143	1991	107
1990	136	2008	103
2010	105	2010	101
2000	98	2006	96
1999	88	2019	96
2009	88	2014	95
1982	83	2009	94
1987	83	1988	89
2002	80	2017	81
2017	76	1987	79
1998	75	1986	77
2007	73	2007	75
1993	71	1989	74
2003	71	1998	74
1997	69	2004	64
1983	67	1992	63
2004	62	2005	63
2014	57	1994	61
2012	56	1995	59
2005	51	2002	59
2013	51	1985	56
1994	48	2013	54
2019	42	1996	48
1988	33	2012	47
1992	31	2021	39
2011	31	2003	34
2006	30	2011	32
2015	30	2015	32
1989	29	2020	32
2020	29	2016	31
2016	28	1999	22
2018	26	2018	14
1995	20	1997	12
1991	10	1993	0
1981	0	2000	0
1984	0	2001	0
1985	0	1981	NA
1996	0	1982	NA
2001	0	1983	NA
2021	NA	1984	NA

Table 16: Number of Days with high Degree Heating Week values

Year	CCI_DHW8	Year	NOAA_DHW8
2016	239	2016	227
2020	211	2020	201
2013	188	2013	184
2015	185	2018	182
2014	179	2015	175
1998	174	2014	138
2018	173	2005	128
2005	160	2012	128
2002	124	1998	119
2010	120	2010	119
2012	113	2021	112
1983	110	2009	103
2003	109	1992	102
1988	104	1990	95
2009	100	2003	95
2019	90	2002	93
1989	80	1986	82
1992	79	1988	81
1994	77	2007	72
2017	77	1994	70
2007	74	2017	69
2006	73	1989	64
1995	60	2011	57
2008	60	1991	55
2011	59	2008	47
1999	48	1995	29
1990	37	2019	21
2004	36	2004	6
2000	19	2006	5
1981	0	1985	0
1982	0	1987	0
1984	0	1993	0
1985	0	1996	0
1986	0	1997	0
1987	0	1999	0
1991	0	2000	0
1993	0	2001	0
1996	0	1981	NA
1997	0	1982	NA
2001	0	1983	NA
2021	NA	1984	NA

SCOTTSL1 Yearly Sum of Moderate and High DHW Values in CCI and NOAA data

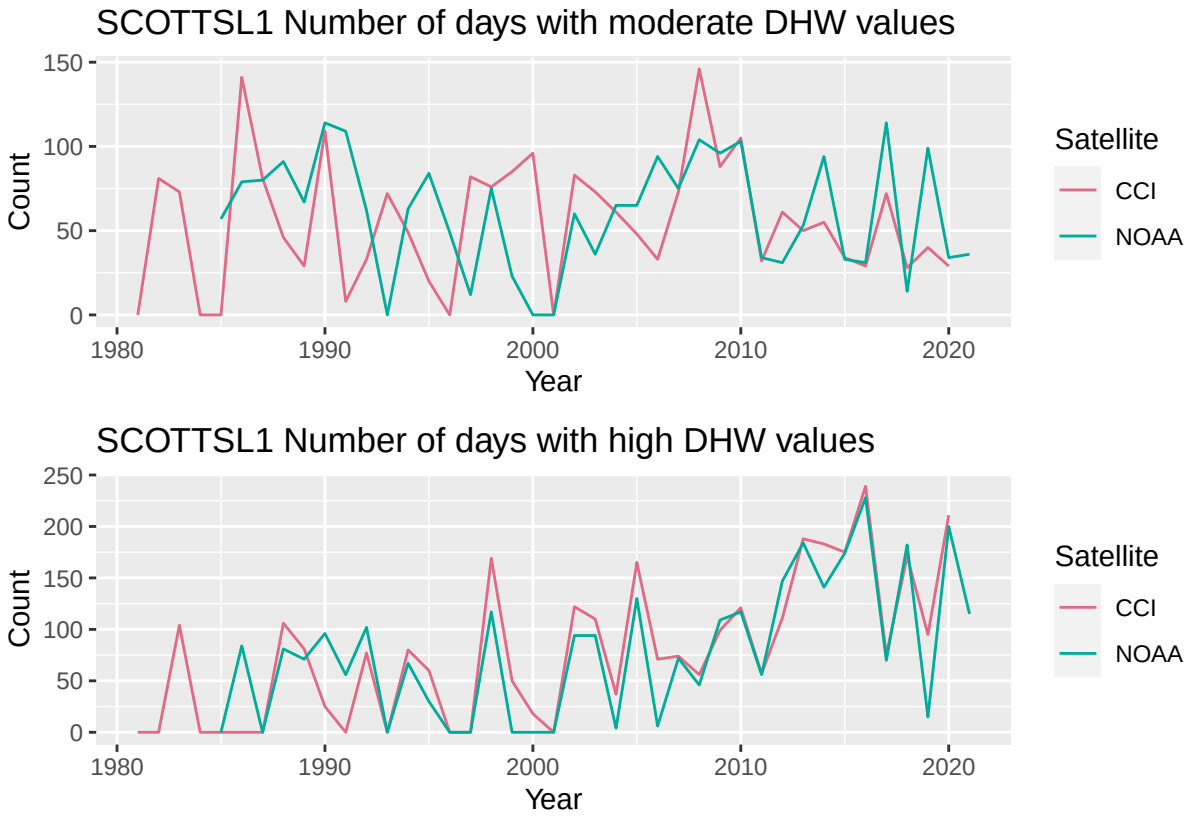


Table 17: Number of Days with moderate Degree Heating Week values

Year	CCI_DHW4	Year	NOAA_DHW4
2008	146	1990	114
1986	141	2017	114
1990	109	1991	109
2010	105	2008	104
2000	96	2010	103
2009	88	2019	99
1999	85	2009	96
2002	83	2006	94
1997	82	2014	94
1982	81	1988	91
1987	81	1995	84
1998	76	1987	80
1983	73	1986	79
2003	73	1998	75
2007	73	2007	75
1993	72	1989	67
2017	72	2004	65
2004	61	2005	65
2012	61	1994	63
2014	55	1992	62
2013	50	2002	60
1994	49	1985	57
2005	48	2013	53
1988	46	1996	49
2019	40	2003	36
2015	34	2021	36
1992	33	2011	34
2006	33	2020	34
2011	32	2015	33
1989	29	2012	31
2016	29	2016	31
2020	29	1999	23
2018	28	2018	14
1995	20	1997	12
1991	8	1993	0
1981	0	2000	0
1984	0	2001	0
1985	0	1981	NA
1996	0	1982	NA
2001	0	1983	NA
2021	NA	1984	NA

Table 18: Number of Days with high Degree Heating Week values

Year	CCI_DHW8	Year	NOAA_DHW8
2016	239	2016	228
2020	211	2020	200
2013	188	2013	184
2014	183	2018	182
2015	175	2015	174
2018	171	2012	147
1998	169	2014	141
2005	165	2005	130
2002	122	1998	117
2010	121	2010	117
2012	111	2021	115
2003	110	2009	109
1988	106	1992	102
1983	104	1990	96
2009	99	2002	94
2019	95	2003	94
1989	81	1986	84
1994	80	1988	81
1992	77	2007	72
2017	75	1989	71
2007	74	2017	70
2006	71	1994	67
1995	60	1991	56
2011	57	2011	56
2008	56	2008	46
1999	50	1995	30
2004	37	2019	15
1990	25	2006	6
2000	18	2004	4
1981	0	1985	0
1982	0	1987	0
1984	0	1993	0
1985	0	1996	0
1986	0	1997	0
1987	0	1999	0
1991	0	2000	0
1993	0	2001	0
1996	0	1981	NA
1997	0	1982	NA
2001	0	1983	NA
2021	NA	1984	NA

SCOTTSL2 Yearly Sum of Moderate and High DHW Values in CCI and NOAA data

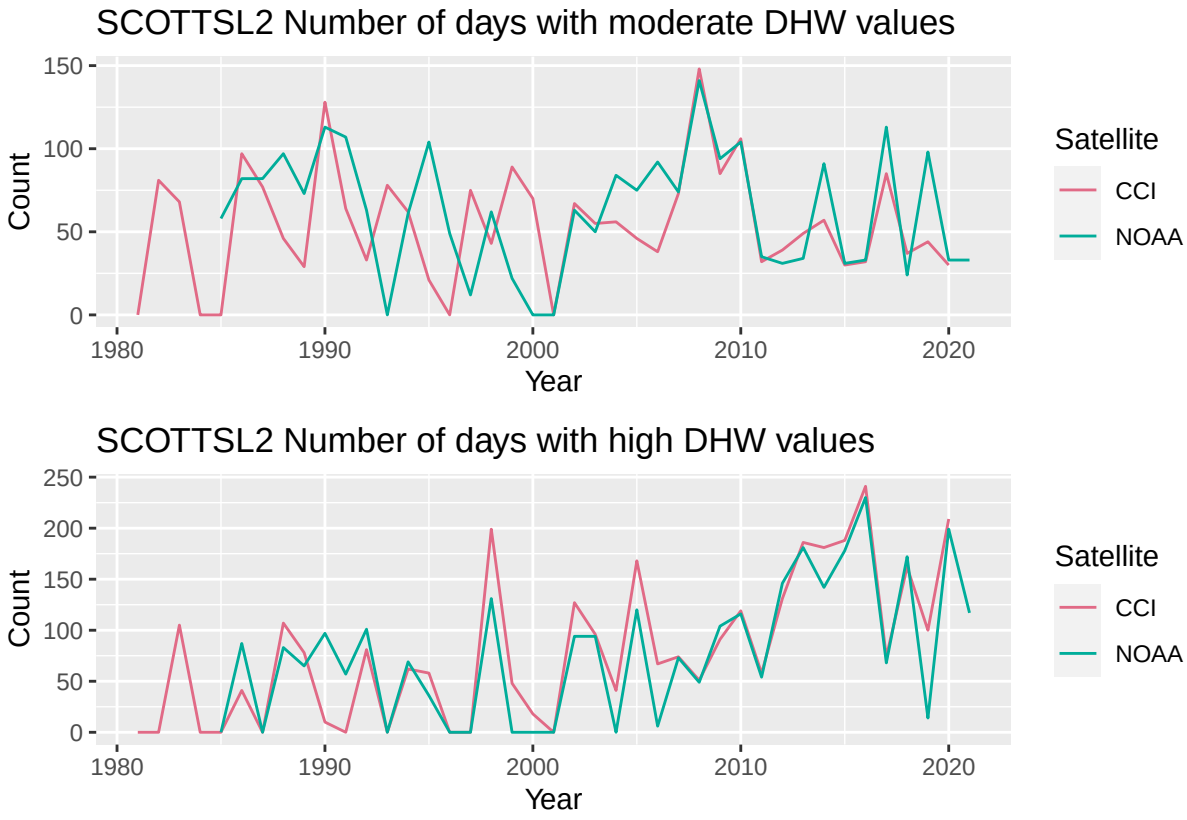


Table 19: Number of Days with moderate Degree Heating Week values

Year	CCI_DHW4	Year	NOAA_DHW4
2008	148	2008	141
1990	128	1990	113
2010	106	2017	113
1986	97	1991	107
1999	89	1995	104
2009	85	2010	104
2017	85	2019	98
1982	81	1988	97
1993	78	2009	94
1987	77	2006	92
1997	75	2014	91
2007	73	2004	84
2000	70	1986	82
1983	68	1987	82
2002	67	2005	75
1991	64	2007	74
1994	62	1989	73
2014	57	1992	63
2004	56	2002	63
2003	55	1998	62
2013	49	1994	61
1988	46	1985	58
2005	46	2003	50
2019	44	1996	49
1998	43	2011	35
2012	39	2013	34
2006	38	2016	33
2018	37	2020	33
1992	33	2021	33
2011	32	2012	31
2016	32	2015	31
2015	30	2018	24
2020	30	1999	22
1989	29	1997	12
1995	21	1993	0
1981	0	2000	0
1984	0	2001	0
1985	0	1981	NA
1996	0	1982	NA
2001	0	1983	NA
2021	NA	1984	NA

Table 20: Number of Days with high Degree Heating Week values

Year	CCI_DHW8	Year	NOAA_DHW8
2016	241	2016	230
2020	209	2020	199
1998	199	2013	181
2015	188	2015	178
2013	186	2018	172
2014	181	2012	146
2005	168	2014	142
2018	162	1998	131
2012	131	2005	120
2002	127	2021	117
2010	119	2010	116
1988	107	2009	104
1983	105	1992	101
2019	100	1990	97
2003	96	2002	94
2009	91	2003	94
1992	81	1986	87
1989	78	1988	83
2007	74	2007	73
2017	74	1994	69
2006	67	2017	68
1994	62	1989	65
1995	58	1991	57
2011	58	2011	54
2008	51	2008	49
1999	48	1995	36
1986	41	2019	14
2004	41	2006	6
2000	18	1985	0
1990	10	1987	0
1981	0	1993	0
1982	0	1996	0
1984	0	1997	0
1985	0	1999	0
1987	0	2000	0
1991	0	2001	0
1993	0	2004	0
1996	0	1981	NA
1997	0	1982	NA
2001	0	1983	NA
2021	NA	1984	NA

SCOTTSL3 Yearly Sum of Moderate and High DHW Values in CCI and NOAA data

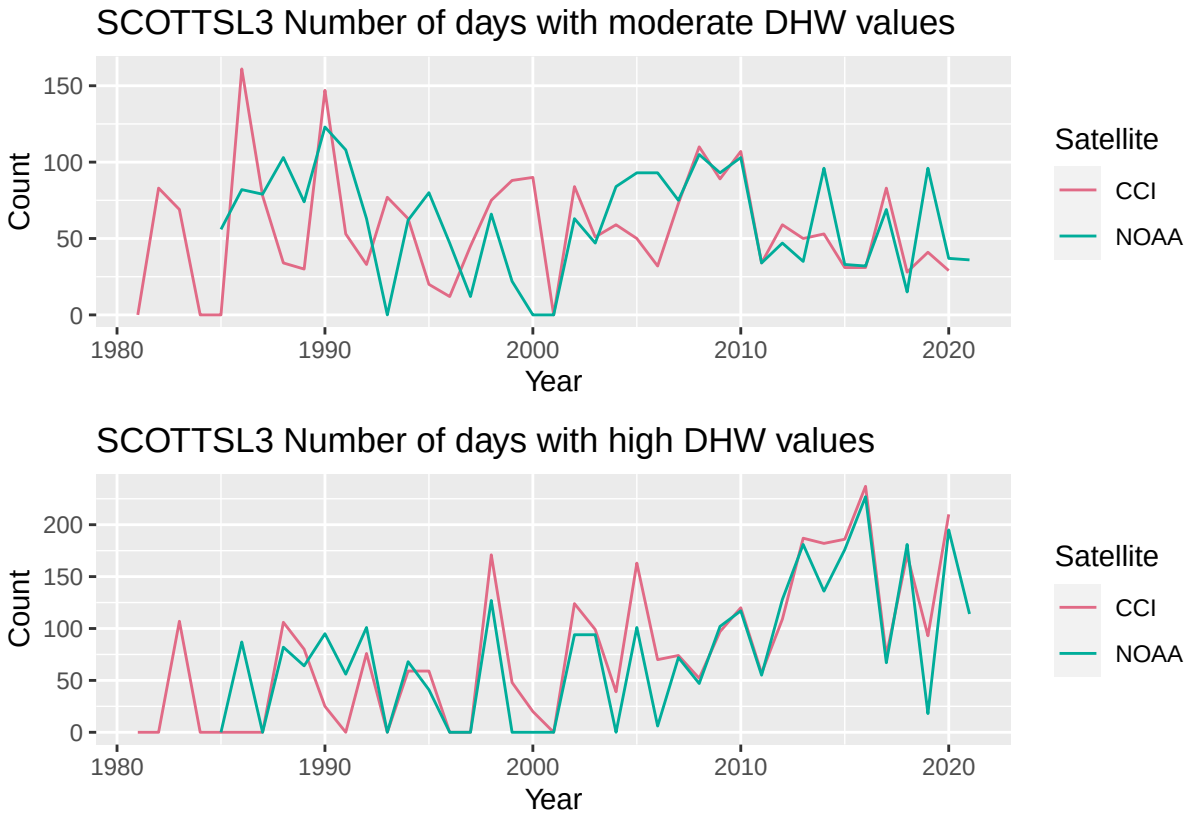


Table 21: Number of Days with moderate Degree Heating Week values

Year	CCI_DHW4	Year	NOAA_DHW4
1986	161	1990	123
1990	147	1991	108
2008	110	2008	105
2010	107	1988	103
2000	90	2010	103
2009	89	2014	96
1999	88	2019	96
2002	84	2005	93
1982	83	2006	93
2017	83	2009	93
1987	78	2004	84
1993	77	1986	82
1998	75	1995	80
2007	73	1987	79
1983	69	2007	75
1994	63	1989	74
2004	59	2017	69
2012	59	1998	66
1991	53	1992	63
2014	53	2002	63
2003	51	1994	62
2005	50	1985	56
2013	50	1996	47
1997	45	2003	47
2019	41	2012	47
1988	34	2020	37
2011	34	2021	36
1992	33	2013	35
2006	32	2011	34
2015	31	2015	33
2016	31	2016	32
1989	30	1999	22
2020	29	2018	15
2018	28	1997	12
1995	20	1993	0
1996	12	2000	0
1981	0	2001	0
1984	0	1981	NA
1985	0	1982	NA
2001	0	1983	NA
2021	NA	1984	NA

Table 22: Number of Days with high Degree Heating Week values

Year	CCI_DHW8	Year	NOAA_DHW8
2016	237	2016	227
2020	210	2020	195
2013	187	2013	181
2015	186	2018	181
2014	182	2015	176
1998	171	2014	136
2018	171	2012	128
2005	163	1998	127
2002	124	2010	117
2010	120	2021	114
2012	109	2009	102
1983	107	1992	101
1988	106	2005	101
2003	99	1990	95
2009	97	2002	94
2019	93	2003	94
1989	80	1986	87
1992	76	1988	82
2007	74	2007	72
2017	74	1994	68
2006	70	2017	67
1994	59	1989	64
1995	59	1991	56
2011	57	2011	55
2008	52	2008	47
1999	48	1995	41
2004	39	2019	18
1990	25	2006	6
2000	20	1985	0
1981	0	1987	0
1982	0	1993	0
1984	0	1996	0
1985	0	1997	0
1986	0	1999	0
1987	0	2000	0
1991	0	2001	0
1993	0	2004	0
1996	0	1981	NA
1997	0	1982	NA
2001	0	1983	NA
2021	NA	1984	NA

SCOTTSS1 Yearly Sum of Moderate and High DHW Values in CCI and NOAA data

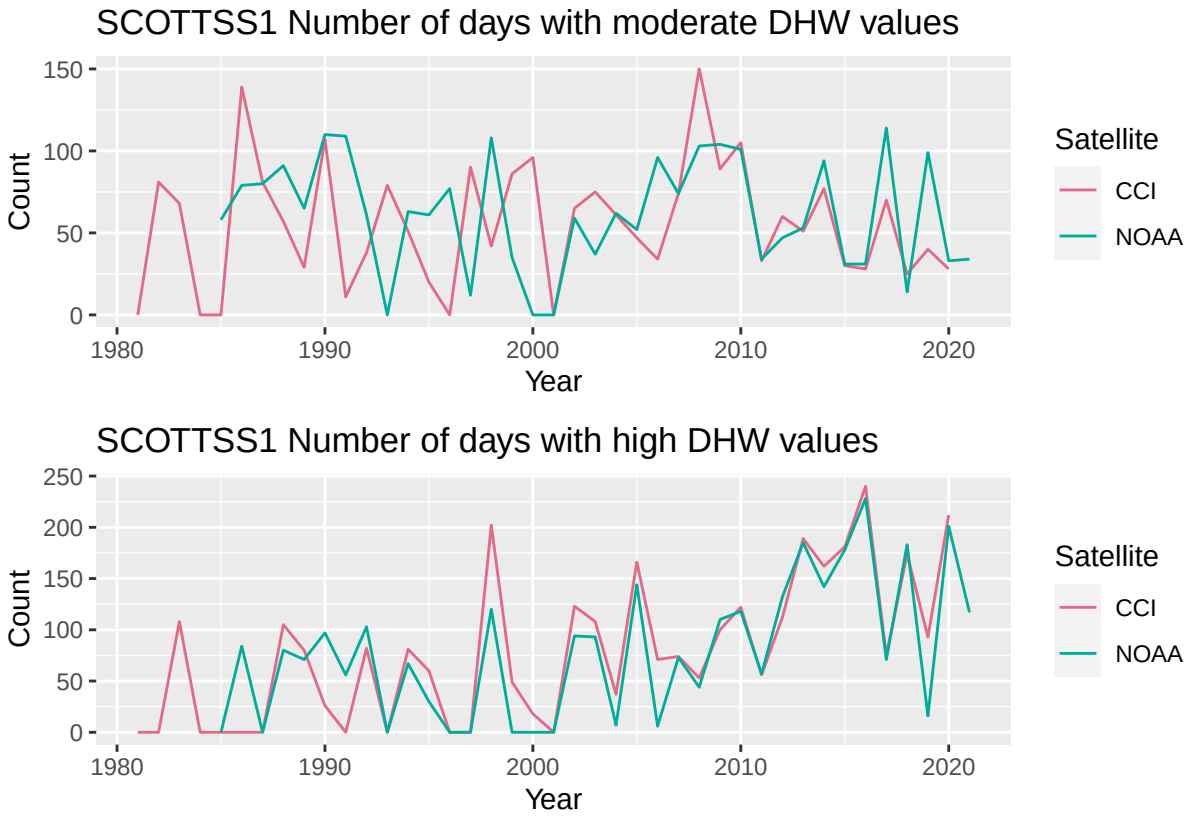


Table 23: Number of Days with moderate Degree Heating Week values

Year	CCI_DHW4	Year	NOAA_DHW4
2008	150	2017	114
1986	139	1990	110
1990	107	1991	109
2010	105	1998	108
2000	96	2009	104
1997	90	2008	103
2009	89	2010	101
1999	86	2019	99
1982	81	2006	96
1987	81	2014	94
1993	79	1988	91
2014	77	1987	80
2003	75	1986	79
2007	74	1996	77
2017	70	2007	74
1983	68	1989	65
2002	65	1994	63
2004	61	2004	62
2012	60	1992	61
1988	57	1995	61
1994	51	2002	59
2013	51	1985	58
2005	47	2013	53
1998	42	2005	52
2019	40	2012	47
1992	38	2003	37
2006	34	1999	35
2011	33	2011	34
2015	30	2021	34
1989	29	2020	33
2016	28	2015	31
2020	28	2016	31
2018	25	2018	14
1995	20	1997	12
1991	11	1993	0
1981	0	2000	0
1984	0	2001	0
1985	0	1981	NA
1996	0	1982	NA
2001	0	1983	NA
2021	NA	1984	NA

Table 24: Number of Days with high Degree Heating Week values

Year	CCI_DHW8	Year	NOAA_DHW8
2016	240	2016	228
2020	212	2020	201
1998	202	2013	185
2013	189	2018	183
2015	181	2015	178
2018	174	2005	144
2005	166	2014	142
2014	162	2012	132
2002	123	1998	120
2010	122	2010	118
2012	112	2021	117
1983	108	2009	110
2003	108	1992	103
1988	105	1990	97
2009	100	2002	94
2019	93	2003	93
1992	82	1986	84
1994	81	1988	80
1989	80	2007	73
2017	75	1989	71
2007	74	2017	71
2006	71	1994	67
1995	60	2011	57
2011	56	1991	56
2008	53	2008	44
1999	49	1995	30
2004	37	2019	16
1990	26	2004	7
2000	18	2006	6
1981	0	1985	0
1982	0	1987	0
1984	0	1993	0
1985	0	1996	0
1986	0	1997	0
1987	0	1999	0
1991	0	2000	0
1993	0	2001	0
1996	0	1981	NA
1997	0	1982	NA
2001	0	1983	NA
2021	NA	1984	NA

SCOTTSS2 Yearly Sum of Moderate and High DHW Values in CCI and NOAA data

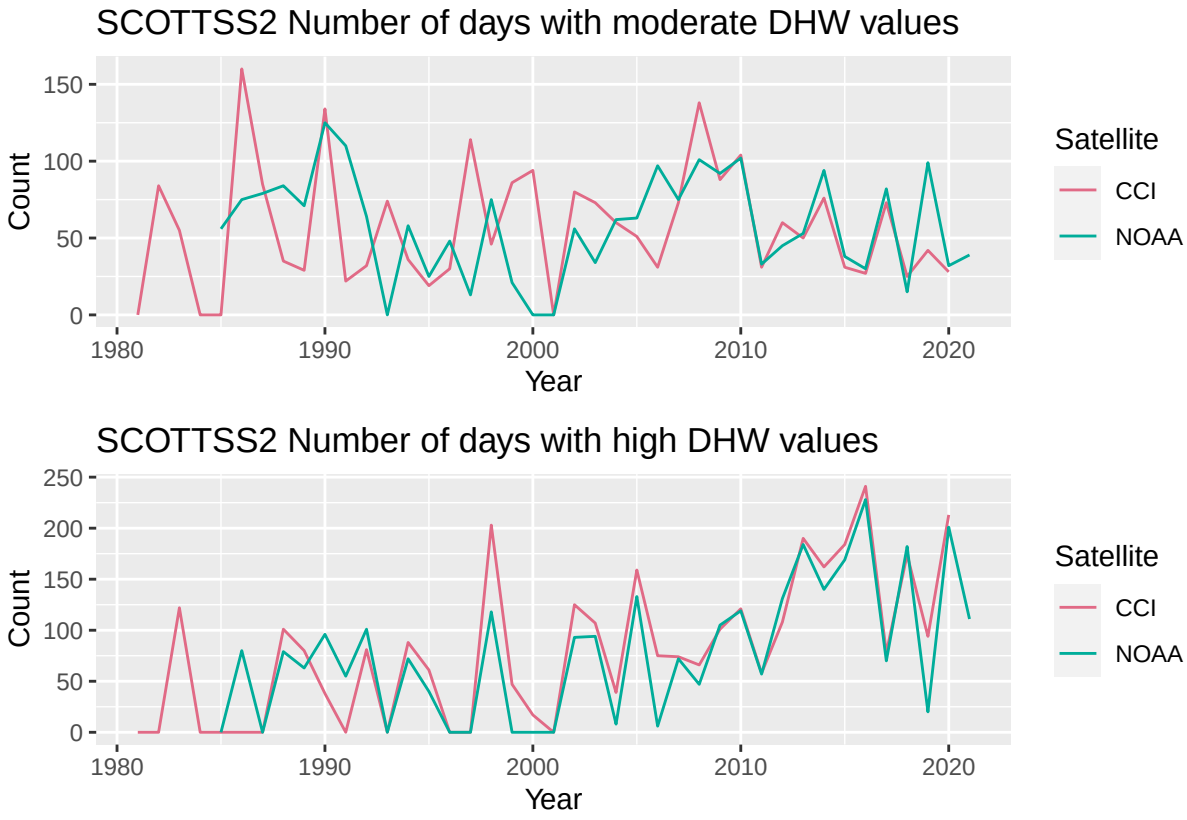


Table 25: Number of Days with moderate Degree Heating Week values

Year	CCI_DHW4	Year	NOAA_DHW4
1986	160	1990	125
2008	138	1991	110
1990	134	2010	102
1997	114	2008	101
2010	104	2019	99
2000	94	2006	97
2009	88	2014	94
1999	86	2009	92
1987	85	1988	84
1982	84	2017	82
2002	80	1987	79
2014	76	1986	75
1993	74	1998	75
2003	73	2007	75
2007	73	1989	71
2017	73	1992	64
2004	60	2005	63
2012	60	2004	62
1983	55	1994	58
2005	51	1985	56
2013	50	2002	56
1998	46	2013	53
2019	42	1996	48
1994	36	2012	45
1988	35	2021	39
1992	32	2015	38
2006	31	2003	34
2011	31	2011	33
2015	31	2020	32
1996	30	2016	30
1989	29	1995	25
2020	28	1999	21
2016	27	2018	15
2018	25	1997	13
1991	22	1993	0
1995	19	2000	0
1981	0	2001	0
1984	0	1981	NA
1985	0	1982	NA
2001	0	1983	NA
2021	NA	1984	NA

Table 26: Number of Days with high Degree Heating Week values

Year	CCI_DHW8	Year	NOAA_DHW8
2016	241	2016	228
2020	213	2020	201
1998	203	2013	184
2013	190	2018	182
2015	184	2015	169
2018	174	2014	140
2014	162	2005	133
2005	159	2012	131
2002	125	2010	119
1983	122	1998	118
2010	121	2021	111
2012	108	2009	105
2003	107	1992	101
1988	101	1990	96
2009	101	2003	94
2019	94	2002	93
1994	88	1986	80
1992	81	1988	79
1989	80	1994	72
2017	78	2007	72
2006	75	2017	70
2007	74	1989	63
2008	66	2011	57
1995	61	1991	55
2011	58	2008	47
1999	47	1995	40
2004	39	2019	20
1990	38	2004	8
2000	17	2006	6
1981	0	1985	0
1982	0	1987	0
1984	0	1993	0
1985	0	1996	0
1986	0	1997	0
1987	0	1999	0
1991	0	2000	0
1993	0	2001	0
1996	0	1981	NA
1997	0	1982	NA
2001	0	1983	NA
2021	NA	1984	NA

BUN05A Yearly Sum of Moderate and High DHW Values in CCI and NOAA data

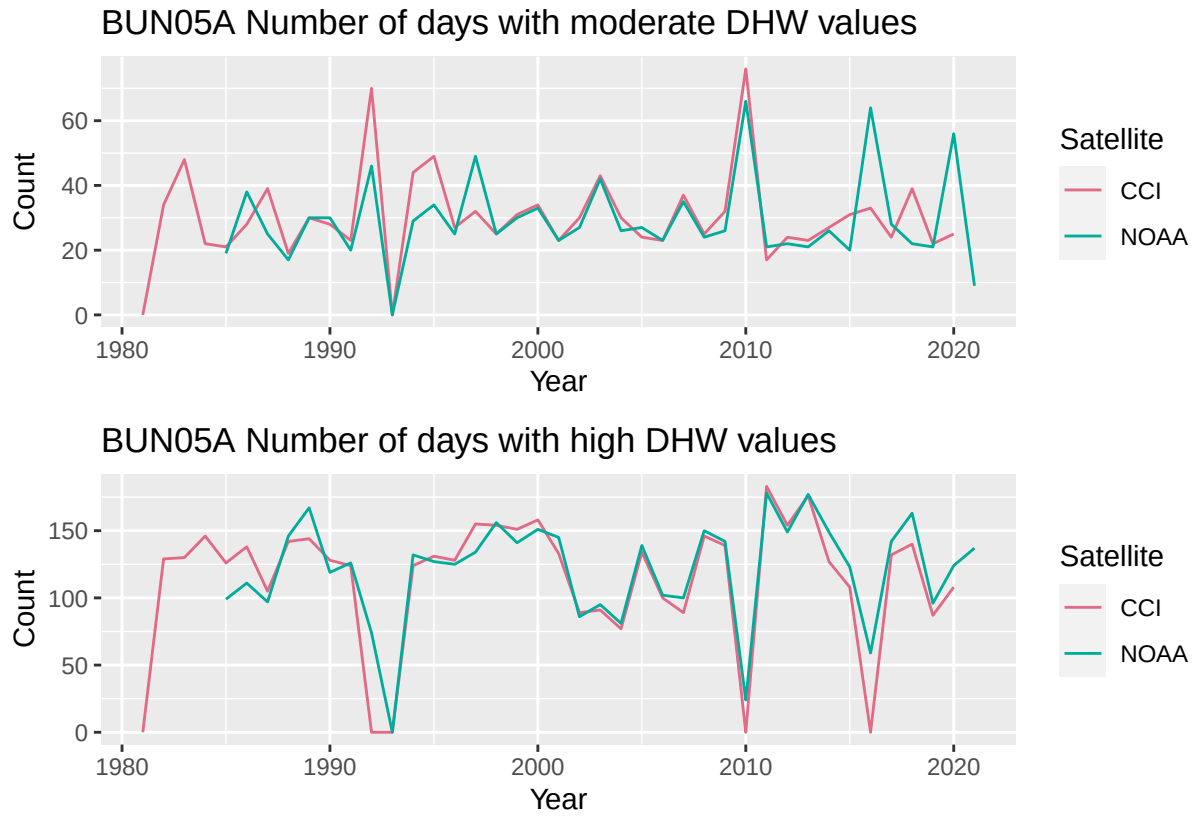


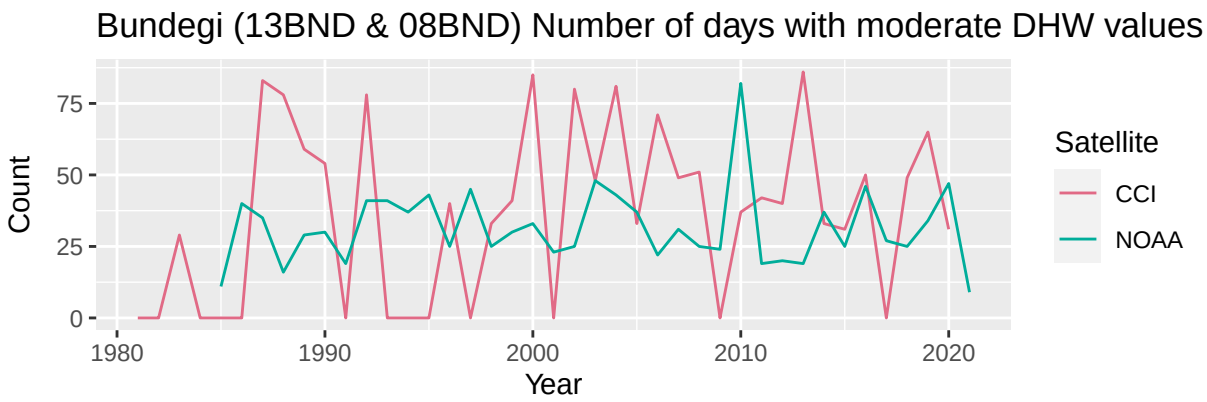
Table 27: Number of Days with moderate Degree Heating Week values

Year	CCI_DHW4	Year	NOAA_DHW4
2010	76	2010	66
1992	70	2016	64
1995	49	2020	56
1983	48	1997	49
1994	44	1992	46
2003	43	2003	42
1987	39	1986	38
2018	39	2007	35
2007	37	1995	34
1982	34	2000	33
2000	34	1989	30
2016	33	1990	30
1997	32	1999	30
2009	32	1994	29
1999	31	2017	28
2015	31	2002	27
1989	30	2005	27
2002	30	2004	26
2004	30	2009	26
1986	28	2014	26
1990	28	1987	25
1996	27	1996	25
2014	27	1998	25
1998	25	2008	24
2008	25	2001	23
2020	25	2006	23
2005	24	2012	22
2012	24	2018	22
2017	24	2011	21
1991	23	2013	21
2001	23	2019	21
2006	23	1991	20
2013	23	2015	20
1984	22	1985	19
2019	22	1988	17
1985	21	2021	9
1988	19	1993	0
2011	17	1981	NA
1981	0	1982	NA
1993	0	1983	NA
2021	NA	1984	NA

Table 28: Number of Days with high Degree Heating Week values

Year	CCI_DHW8	Year	NOAA_DHW8
2011	183	2011	178
2013	176	2013	177
2000	158	1989	167
1997	155	2018	163
1998	154	1998	156
2012	154	2000	151
1999	151	2008	150
1984	146	2012	149
2008	146	2014	149
1989	144	1988	146
1988	142	2001	145
2018	140	2009	142
2009	139	2017	142
1986	138	1999	141
2005	134	2005	139
2001	133	2021	137
2017	132	1997	134
1995	131	1994	132
1983	130	1995	127
1982	129	1991	126
1990	128	1996	125
1996	128	2020	124
2014	127	2015	123
1985	126	1990	119
1991	124	1986	111
1994	124	2006	102
2015	108	2007	100
2020	108	1985	99
1987	105	1987	97
2006	100	2019	96
2003	91	2003	95
2002	89	2002	86
2007	89	2004	81
2019	87	1992	74
2004	77	2016	59
1981	0	2010	24
1992	0	1993	0
1993	0	1981	NA
2010	0	1982	NA
2016	0	1983	NA
2021	NA	1984	NA

Bundegi Yearly Sum of Moderate and High DHW Values in CCI and NOAA data



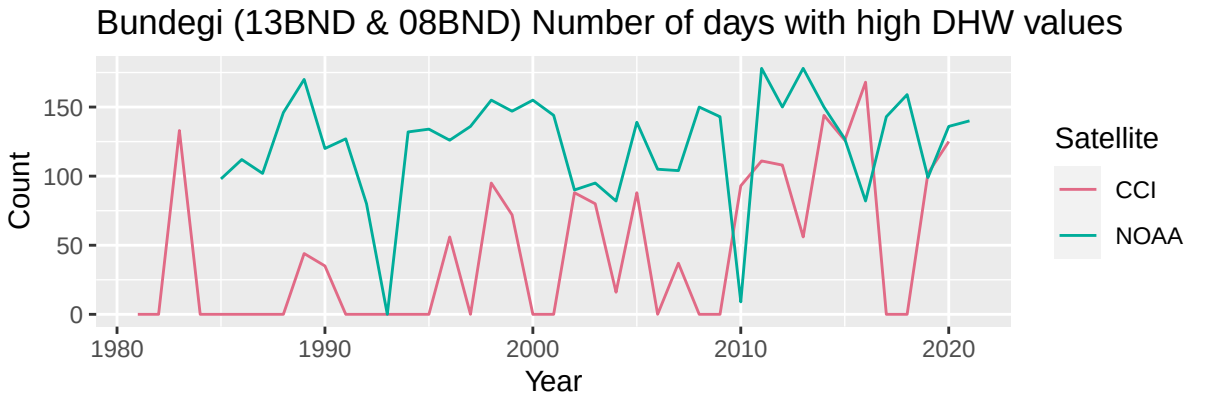


Table 29: Number of Days with moderate Degree Heating Week values

Year	CCI_DHW4	Year	NOAA_DHW4
2013	86	2010	82
2000	85	2003	48
1987	83	2020	47
2004	81	2016	46
2002	80	1997	45
1988	78	1995	43
1992	78	2004	43
2006	71	1992	41
2019	65	1993	41
1989	59	1986	40
1990	54	1994	37
2008	51	2005	37
2016	50	2014	37
2007	49	1987	35
2018	49	2019	34
2003	48	2000	33
2011	42	2007	31
1999	41	1990	30
1996	40	1999	30
2012	40	1989	29
2010	37	2017	27
1998	33	1996	25
2005	33	1998	25
2014	33	2002	25
2015	31	2008	25
2020	31	2015	25
1983	29	2018	25
1981	0	2009	24
1982	0	2001	23
1984	0	2006	22
1985	0	2012	20
1986	0	1991	19
1991	0	2011	19
1993	0	2013	19
1994	0	1988	16
1995	0	1985	11
1997	0	2021	9
2001	0	1981	NA
2009	0	1982	NA
2017	0	1983	NA
2021	NA	1984	NA

Table 30: Number of Days with high Degree Heating Week values

Year	CCI_DHW8	Year	NOAA_DHW8
2016	168	2011	178
2014	144	2013	178
1983	133	1989	170
2015	126	2018	159
2020	125	1998	155
2011	111	2000	155
2012	108	2008	150
2019	102	2012	150
1998	95	2014	150
2010	93	1999	147
2002	88	1988	146
2005	88	2001	144
2003	80	2009	143
1999	72	2017	143
1996	56	2021	140
2013	56	2005	139
1989	44	1997	136
2007	37	2020	136
1990	35	1995	134
2004	16	1994	132
1981	0	1991	127
1982	0	2015	127
1984	0	1996	126
1985	0	1990	120
1986	0	1986	112
1987	0	2006	105
1988	0	2007	104
1991	0	1987	102
1992	0	2019	99
1993	0	1985	98
1994	0	2003	95
1995	0	2002	90
1997	0	2004	82
2000	0	2016	82
2001	0	1992	80
2006	0	2010	9
2008	0	1993	0
2009	0	1981	NA
2017	0	1982	NA
2018	0	1983	NA
2021	NA	1984	NA

Tantabiddi Yearly Sum of Moderate and High DHW Values in CCI and NOAA data

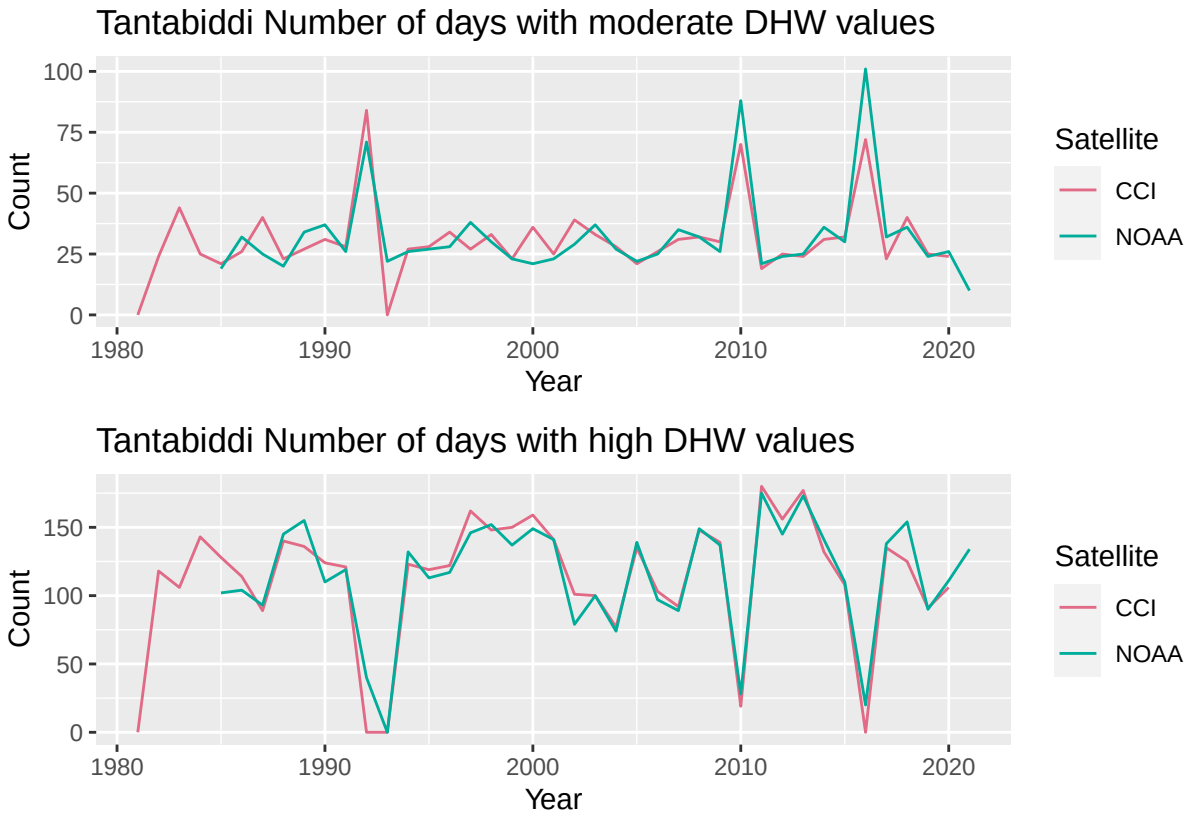


Table 31: Number of Days with moderate Degree Heating Week values

Year	CCI_DHW4	Year	NOAA_DHW4
1992	84	2016	101
2016	72	2010	88
2010	70	1992	71
1983	44	1997	38
1987	40	1990	37
2018	40	2003	37
2002	39	2014	36
2000	36	2018	36
1996	34	2007	35
1998	33	1989	34
2003	33	1986	32
2008	32	2008	32
2015	32	2017	32
1990	31	1998	30
2007	31	2015	30
2014	31	2002	29
2009	30	1996	28
1991	28	1995	27
1995	28	2004	27
2004	28	1991	26
1989	27	1994	26
1994	27	2009	26
1997	27	2020	26
1986	26	1987	25
2006	26	2006	25
1984	25	2013	25
2001	25	2012	24
2012	25	2019	24
2019	25	1999	23
1982	24	2001	23
2013	24	1993	22
2020	24	2005	22
1988	23	2000	21
1999	23	2011	21
2017	23	1988	20
1985	21	1985	19
2005	21	2021	10
2011	19	1981	NA
1981	0	1982	NA
1993	0	1983	NA
2021	NA	1984	NA

Table 32: Number of Days with high Degree Heating Week values

Year	CCI_DHW8	Year	NOAA_DHW8
2011	180	2011	175
2013	177	2013	173
1997	162	1989	155
2000	159	2018	154
2012	156	1998	152
1999	150	2000	149
1998	148	2008	149
2008	148	1997	146
1984	143	1988	145
2001	141	2012	145
1988	140	2001	141
2009	139	2014	141
1989	136	2005	139
2005	135	2017	138
2017	135	1999	137
2014	132	2009	137
1985	128	2021	134
2018	125	1994	132
1990	124	1991	119
1994	123	1996	117
1996	122	1995	113
1991	121	2020	111
1995	119	1990	110
1982	118	2015	110
1986	114	1986	104
2015	108	1985	102
1983	106	2003	100
2020	106	2006	97
2006	103	1987	93
2002	101	2019	90
2003	100	2007	89
2007	92	2002	79
2019	91	2004	74
1987	89	1992	40
2004	77	2010	28
2010	19	2016	20
1981	0	1993	0
1992	0	1981	NA
1993	0	1982	NA
2016	0	1983	NA
2021	NA	1984	NA

TNT Yearly Sum of Moderate and High DHW Values in CCI and NOAA data

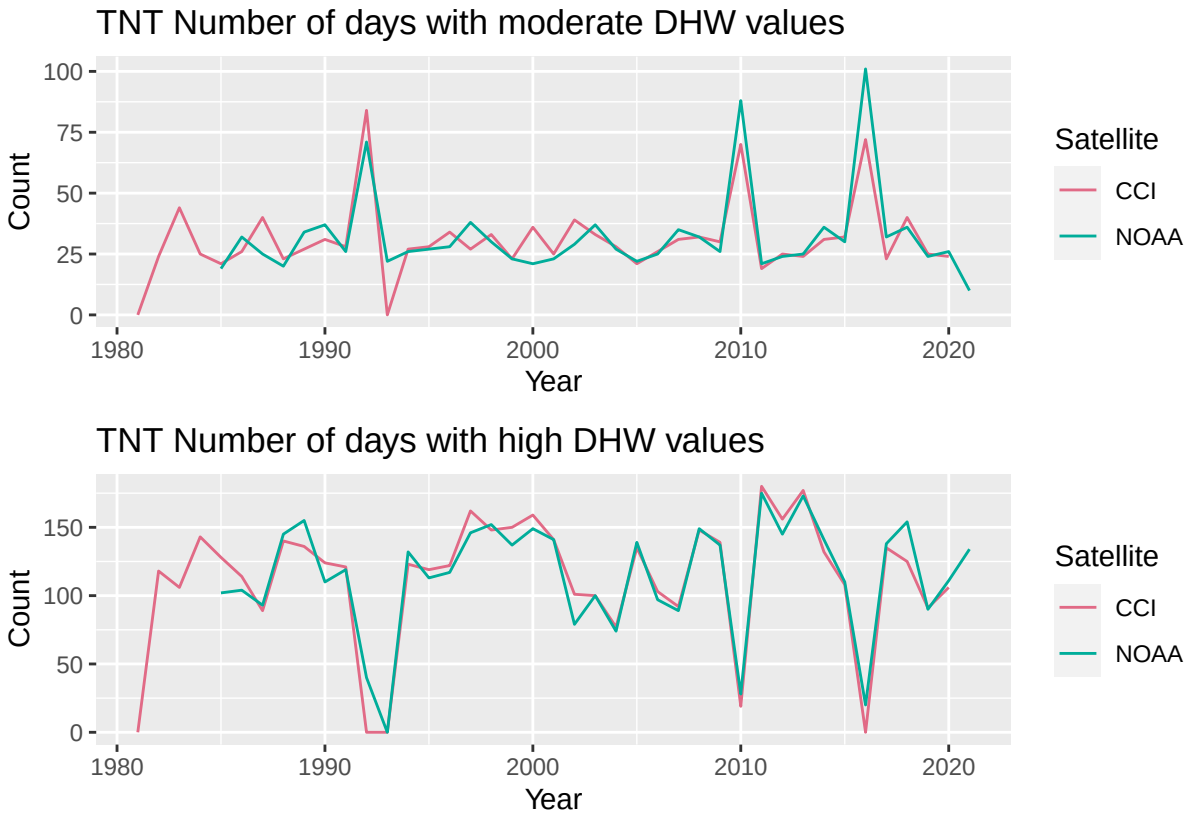


Table 33: Number of Days with moderate Degree Heating Week values

Year	CCI_DHW4	Year	NOAA_DHW4
1992	84	2016	101
2016	72	2010	88
2010	70	1992	71
1983	44	1997	38
1987	40	1990	37
2018	40	2003	37
2002	39	2014	36
2000	36	2018	36
1996	34	2007	35
1998	33	1989	34
2003	33	1986	32
2008	32	2008	32
2015	32	2017	32
1990	31	1998	30
2007	31	2015	30
2014	31	2002	29
2009	30	1996	28
1991	28	1995	27
1995	28	2004	27
2004	28	1991	26
1989	27	1994	26
1994	27	2009	26
1997	27	2020	26
1986	26	1987	25
2006	26	2006	25
1984	25	2013	25
2001	25	2012	24
2012	25	2019	24
2019	25	1999	23
1982	24	2001	23
2013	24	1993	22
2020	24	2005	22
1988	23	2000	21
1999	23	2011	21
2017	23	1988	20
1985	21	1985	19
2005	21	2021	10
2011	19	1981	NA
1981	0	1982	NA
1993	0	1983	NA
2021	NA	1984	NA

Table 34: Number of Days with high Degree Heating Week values

Year	CCI_DHW8	Year	NOAA_DHW8
2011	180	2011	175
2013	177	2013	173
1997	162	1989	155
2000	159	2018	154
2012	156	1998	152
1999	150	2000	149
1998	148	2008	149
2008	148	1997	146
1984	143	1988	145
2001	141	2012	145
1988	140	2001	141
2009	139	2014	141
1989	136	2005	139
2005	135	2017	138
2017	135	1999	137
2014	132	2009	137
1985	128	2021	134
2018	125	1994	132
1990	124	1991	119
1994	123	1996	117
1996	122	1995	113
1991	121	2020	111
1995	119	1990	110
1982	118	2015	110
1986	114	1986	104
2015	108	1985	102
1983	106	2003	100
2020	106	2006	97
2006	103	1987	93
2002	101	2019	90
2003	100	2007	89
2007	92	2002	79
2019	91	2004	74
1987	89	1992	40
2004	77	2010	28
2010	19	2016	20
1981	0	1993	0
1992	0	1981	NA
1993	0	1982	NA
2016	0	1983	NA
2021	NA	1984	NA

TNT07C Yearly Sum of Moderate and High DHW Values in CCI and NOAA data

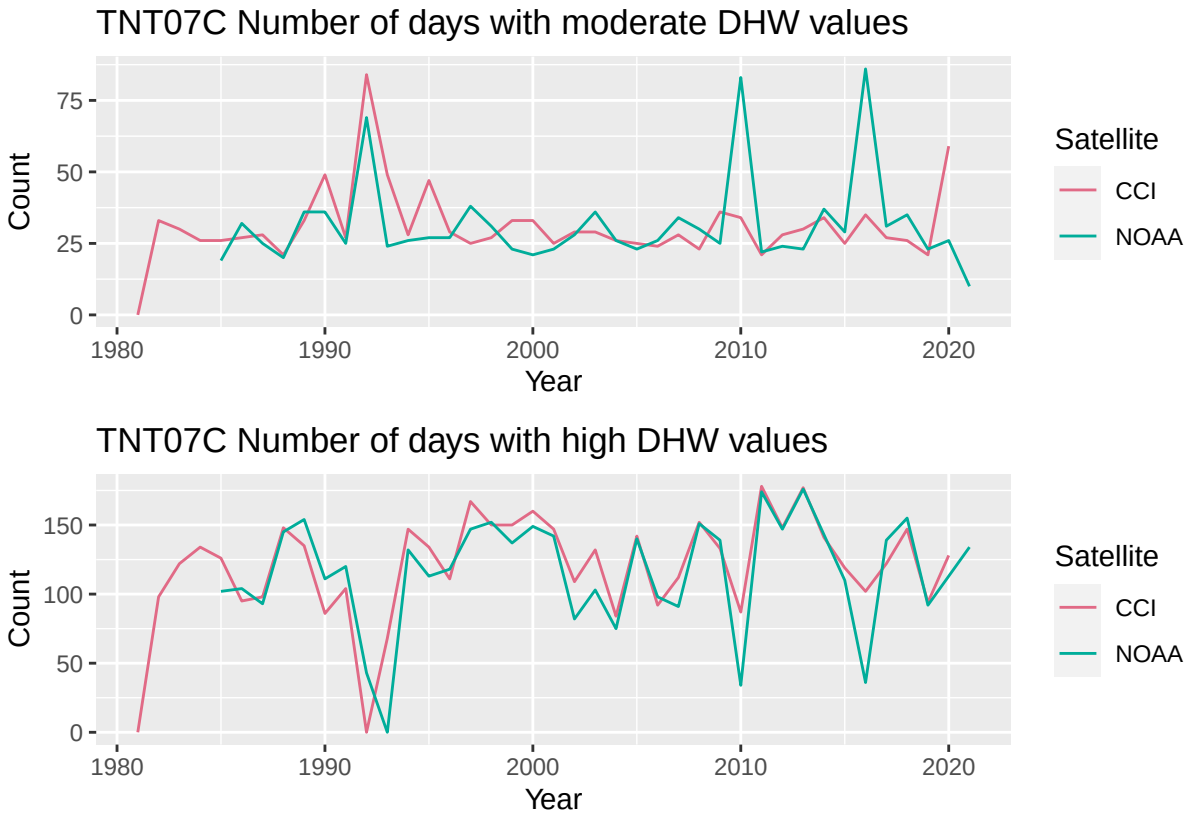


Table 35: Number of Days with moderate Degree Heating Week values

Year	CCI_DHW4	Year	NOAA_DHW4
1992	84	2016	86
2020	59	2010	83
1990	49	1992	69
1993	49	1997	38
1995	47	2014	37
2009	36	1989	36
2016	35	1990	36
2010	34	2003	36
2014	34	2018	35
1982	33	2007	34
1989	33	1986	32
1999	33	1998	31
2000	33	2017	31
1983	30	2008	30
2013	30	2015	29
1996	29	2002	28
2002	29	1995	27
2003	29	1996	27
1987	28	1994	26
1994	28	2004	26
2007	28	2006	26
2012	28	2020	26
1986	27	1987	25
1991	27	1991	25
1998	27	2009	25
2017	27	1993	24
1984	26	2012	24
1985	26	1999	23
2004	26	2001	23
2018	26	2005	23
1997	25	2013	23
2001	25	2019	23
2005	25	2011	22
2015	25	2000	21
2006	24	1988	20
2008	23	1985	19
1988	21	2021	10
2011	21	1981	NA
2019	21	1982	NA
1981	0	1983	NA
2021	NA	1984	NA

Table 36: Number of Days with high Degree Heating Week values

Year	CCI_DHW8	Year	NOAA_DHW8
2011	178	2013	176
2013	177	2011	174
1997	167	2018	155
2000	160	1989	154
2008	152	1998	152
1998	150	2008	151
1999	150	2000	149
1988	148	1997	147
2012	148	2012	147
1994	147	1988	145
2001	147	2014	143
2018	147	2001	142
2005	142	2005	140
2014	141	2009	139
1989	135	2017	139
1984	134	1999	137
1995	134	2021	134
2009	133	1994	132
2003	132	1991	120
2020	128	1996	118
1985	126	1995	113
1983	122	2020	113
2017	122	1990	111
2015	119	2015	110
2007	112	1986	104
1996	111	2003	103
2002	109	1985	102
1991	104	2006	98
2016	102	1987	93
1982	98	2019	92
1987	98	2007	91
1986	95	2002	82
2019	94	2004	75
2006	92	1992	43
2010	87	2016	36
1990	86	2010	34
2004	84	1993	0
1993	68	1981	NA
1981	0	1982	NA
1992	0	1983	NA
2021	NA	1984	NA

Wallabi Island Yearly Sum of Moderate and High DHW Values in CCI and NOAA data

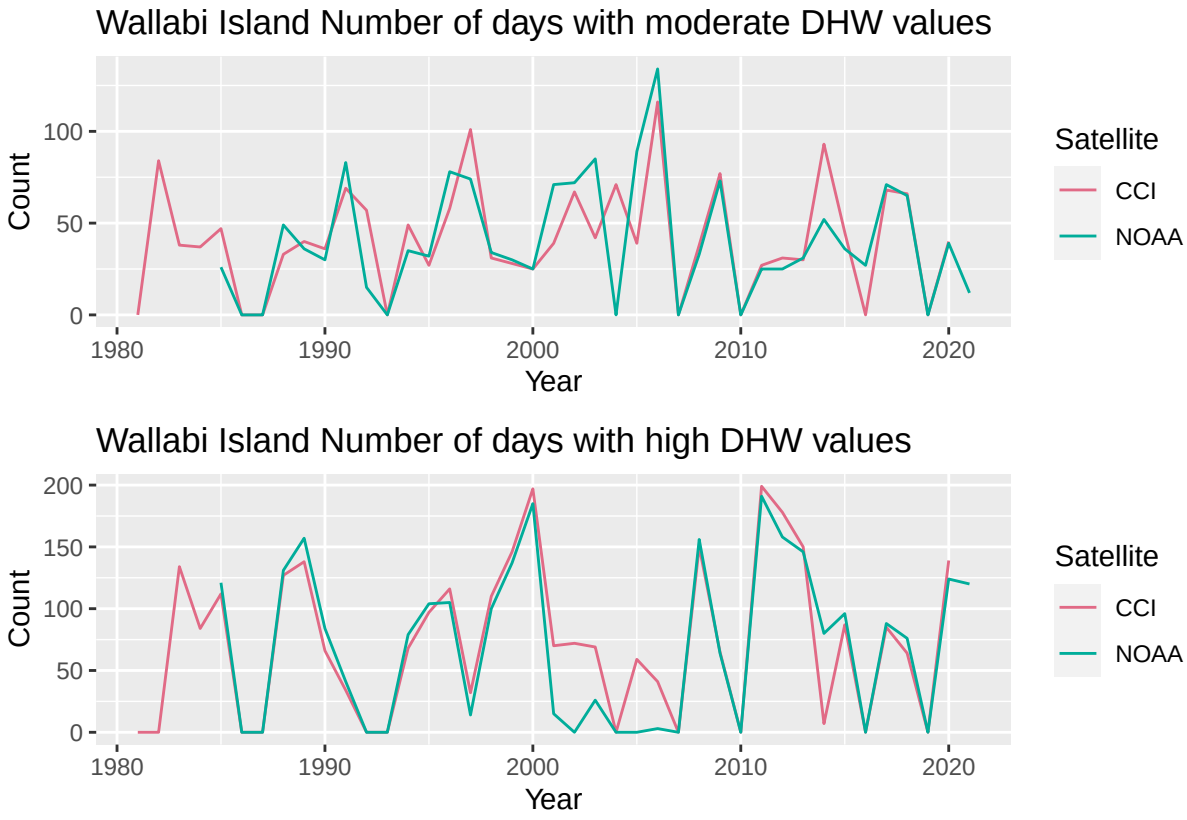


Table 37: Number of Days with moderate Degree Heating Week values

Year	CCI_DHW4	Year	NOAA_DHW4
2006	116	2006	134
1997	101	2005	89
2014	93	2003	85
1982	84	1991	83
2009	77	1996	78
2004	71	1997	74
1991	69	2009	73
2017	68	2002	72
2002	67	2001	71
2018	66	2017	71
1996	58	2018	65
1992	57	2014	52
1994	49	1988	49
1985	47	2020	39
2015	45	1989	36
2003	42	2015	36
1989	40	1994	35
2020	40	1998	34
2001	39	2008	33
2005	39	1995	32
1983	38	2013	31
2008	38	1990	30
1984	37	1999	30
1990	36	2016	27
1988	33	1985	26
1998	31	2000	25
2012	31	2011	25
2013	30	2012	25
1999	28	1992	15
1995	27	2021	12
2011	27	1986	0
2000	25	1987	0
1981	0	1993	0
1986	0	2004	0
1987	0	2007	0
1993	0	2010	0
2007	0	2019	0
2010	0	1981	NA
2016	0	1982	NA
2019	0	1983	NA
2021	NA	1984	NA

Table 38: Number of Days with high Degree Heating Week values

Year	CCI_DHW8	Year	NOAA_DHW8
2011	199	2011	191
2000	197	2000	185
2012	178	2012	158
2008	150	1989	157
2013	150	2008	156
1999	146	2013	146
2020	139	1999	137
1989	138	1988	131
1983	134	2020	124
1988	127	1985	121
1996	116	2021	120
1985	112	1996	105
1998	110	1995	104
1995	97	1998	100
2015	87	2015	96
2017	85	2017	88
1984	84	1990	84
2002	72	2014	80
2001	70	1994	79
2003	69	2018	76
1994	68	2009	64
1990	66	1991	41
2009	65	2003	26
2018	64	2001	15
2005	59	1997	14
2006	41	2006	3
1991	34	1986	0
1997	32	1987	0
2014	7	1992	0
1981	0	1993	0
1982	0	2002	0
1986	0	2004	0
1987	0	2005	0
1992	0	2007	0
1993	0	2010	0
2004	0	2016	0
2007	0	2019	0
2010	0	1981	NA
2016	0	1982	NA
2019	0	1983	NA
2021	NA	1984	NA

HAB05B Yearly Sum of Moderate and High DHW Values in CCI and NOAA data

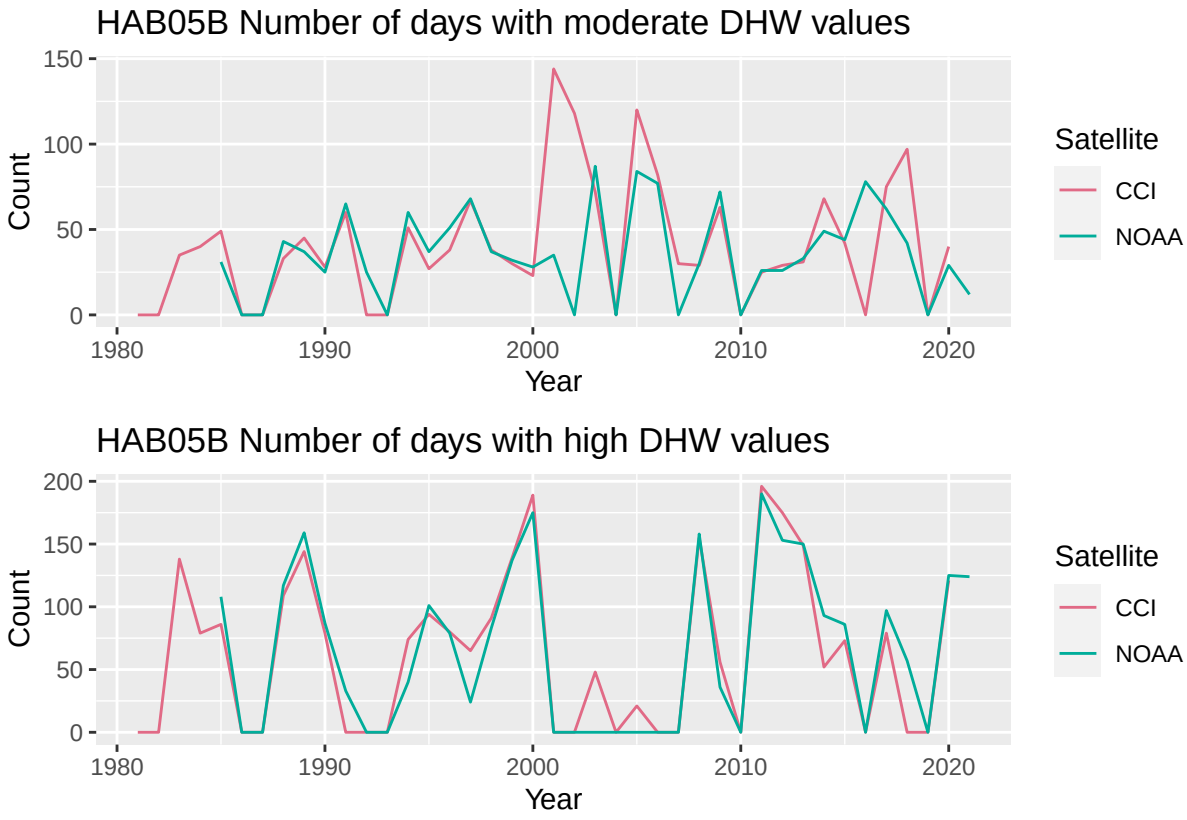


Table 39: Number of Days with moderate Degree Heating Week values

Year	CCI_DHW4	Year	NOAA_DHW4
2001	144	2003	87
2005	120	2005	84
2002	118	2016	78
2018	97	2006	77
2006	82	2009	72
2017	75	1997	68
2003	72	1991	65
2014	68	2017	62
1997	67	1994	60
2009	63	1996	51
1991	60	2014	49
1994	51	2015	44
1985	49	1988	43
1989	45	2018	42
2015	42	1989	37
1984	40	1995	37
2020	40	1998	37
1996	38	2001	35
1998	38	2013	33
1983	35	1999	32
1988	33	1985	31
2013	31	2008	30
1999	30	2020	29
2007	30	2000	28
2008	29	2011	26
2012	29	2012	26
1990	28	1990	25
1995	27	1992	25
2011	25	2021	12
2000	23	1986	0
1981	0	1987	0
1982	0	1993	0
1986	0	2002	0
1987	0	2004	0
1992	0	2007	0
1993	0	2010	0
2004	0	2019	0
2010	0	1981	NA
2016	0	1982	NA
2019	0	1983	NA
2021	NA	1984	NA

Table 40: Number of Days with high Degree Heating Week values

Year	CCI_DHW8	Year	NOAA_DHW8
2011	196	2011	190
2000	189	2000	175
2012	175	1989	159
2008	155	2008	158
2013	149	2012	153
1989	144	2013	150
1999	139	1999	137
1983	138	2020	125
2020	121	2021	124
1988	109	1988	117
1995	94	1985	108
1998	91	1995	101
1985	86	2017	97
1996	80	2014	93
1984	79	1990	87
1990	79	2015	86
2017	79	1998	83
1994	74	1996	79
2015	73	2018	57
1997	65	1994	40
2009	56	2009	36
2014	52	1991	33
2003	48	1997	24
2005	21	1986	0
1981	0	1987	0
1982	0	1992	0
1986	0	1993	0
1987	0	2001	0
1991	0	2002	0
1992	0	2003	0
1993	0	2004	0
2001	0	2005	0
2002	0	2006	0
2004	0	2007	0
2006	0	2010	0
2007	0	2016	0
2010	0	2019	0
2016	0	1981	NA
2018	0	1982	NA
2019	0	1983	NA
2021	NA	1984	NA

HAB10A Yearly Sum of Moderate and High DHW Values in CCI and NOAA data

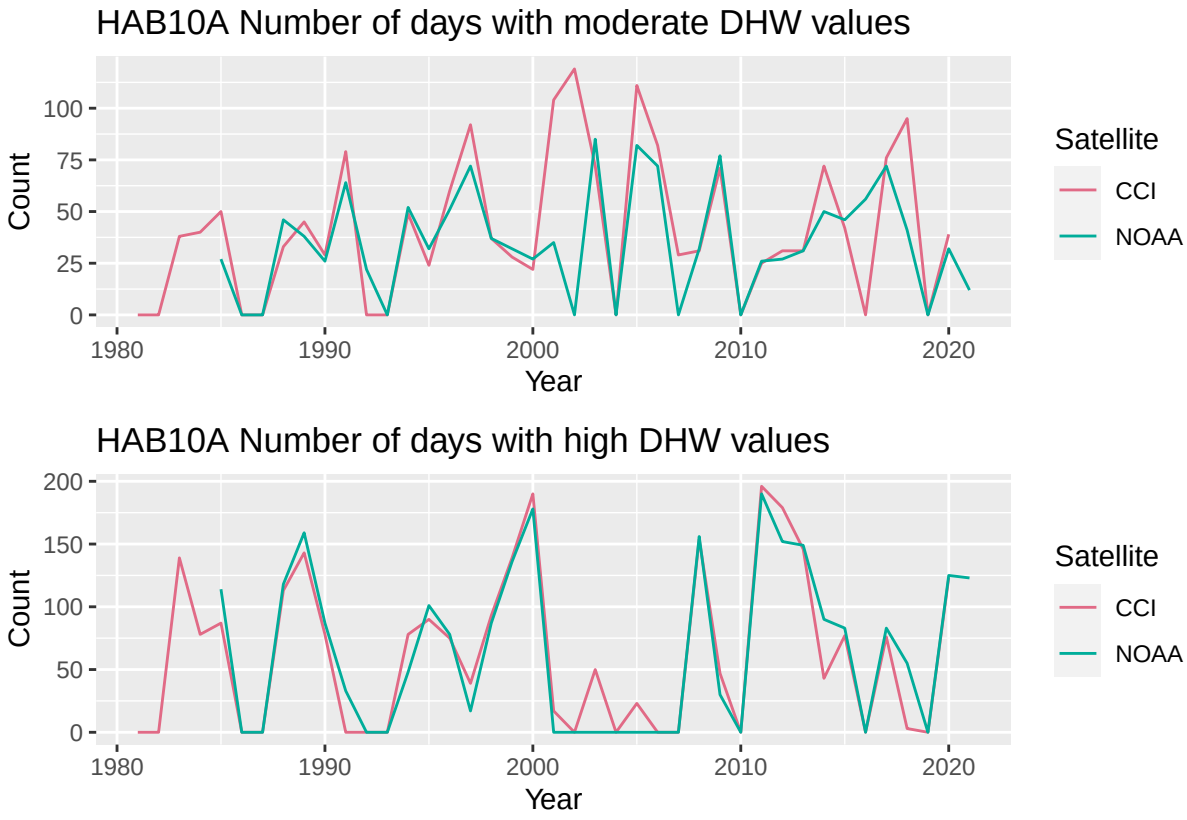


Table 41: Number of Days with moderate Degree Heating Week values

Year	CCI_DHW4	Year	NOAA_DHW4
2001	144	2003	85
2005	120	2005	82
2002	118	2009	77
2018	97	1997	72
2006	82	2006	72
2017	75	2017	72
2003	72	1991	64
2014	68	2016	56
1997	67	1994	52
2009	63	1996	51
1991	60	2014	50
1994	51	1988	46
1985	49	2015	46
1989	45	2018	41
2015	42	1989	38
1984	40	1998	37
2020	40	2001	35
1996	38	1995	32
1998	38	1999	32
1983	35	2008	32
1988	33	2020	32
2013	31	2013	31
1999	30	1985	27
2007	30	2000	27
2008	29	2012	27
2012	29	1990	26
1990	28	2011	26
1995	27	1992	22
2011	25	2021	12
2000	23	1986	0
1981	0	1987	0
1982	0	1993	0
1986	0	2002	0
1987	0	2004	0
1992	0	2007	0
1993	0	2010	0
2004	0	2019	0
2010	0	1981	NA
2016	0	1982	NA
2019	0	1983	NA
2021	NA	1984	NA

Table 42: Number of Days with high Degree Heating Week values

Year	CCI_DHW8	Year	NOAA_DHW8
2011	196	2011	190
2000	190	2000	178
2012	179	1989	159
2008	154	2008	156
2013	146	2012	152
1989	143	2013	149
1983	139	1999	136
1999	139	2020	125
2020	123	2021	123
1988	113	1988	118
1998	93	1985	114
1995	90	1995	101
1985	87	2014	90
1984	78	1990	87
1990	78	1998	87
1994	78	2015	83
2015	77	2017	83
2017	76	1996	78
1996	75	2018	55
2003	50	1994	48
2009	47	1991	33
2014	43	2009	30
1997	39	1997	17
2005	23	1986	0
2001	17	1987	0
2018	3	1992	0
1981	0	1993	0
1982	0	2001	0
1986	0	2002	0
1987	0	2003	0
1991	0	2004	0
1992	0	2005	0
1993	0	2006	0
2002	0	2007	0
2004	0	2010	0
2006	0	2016	0
2007	0	2019	0
2010	0	1981	NA
2016	0	1982	NA
2019	0	1983	NA
2021	NA	1984	NA