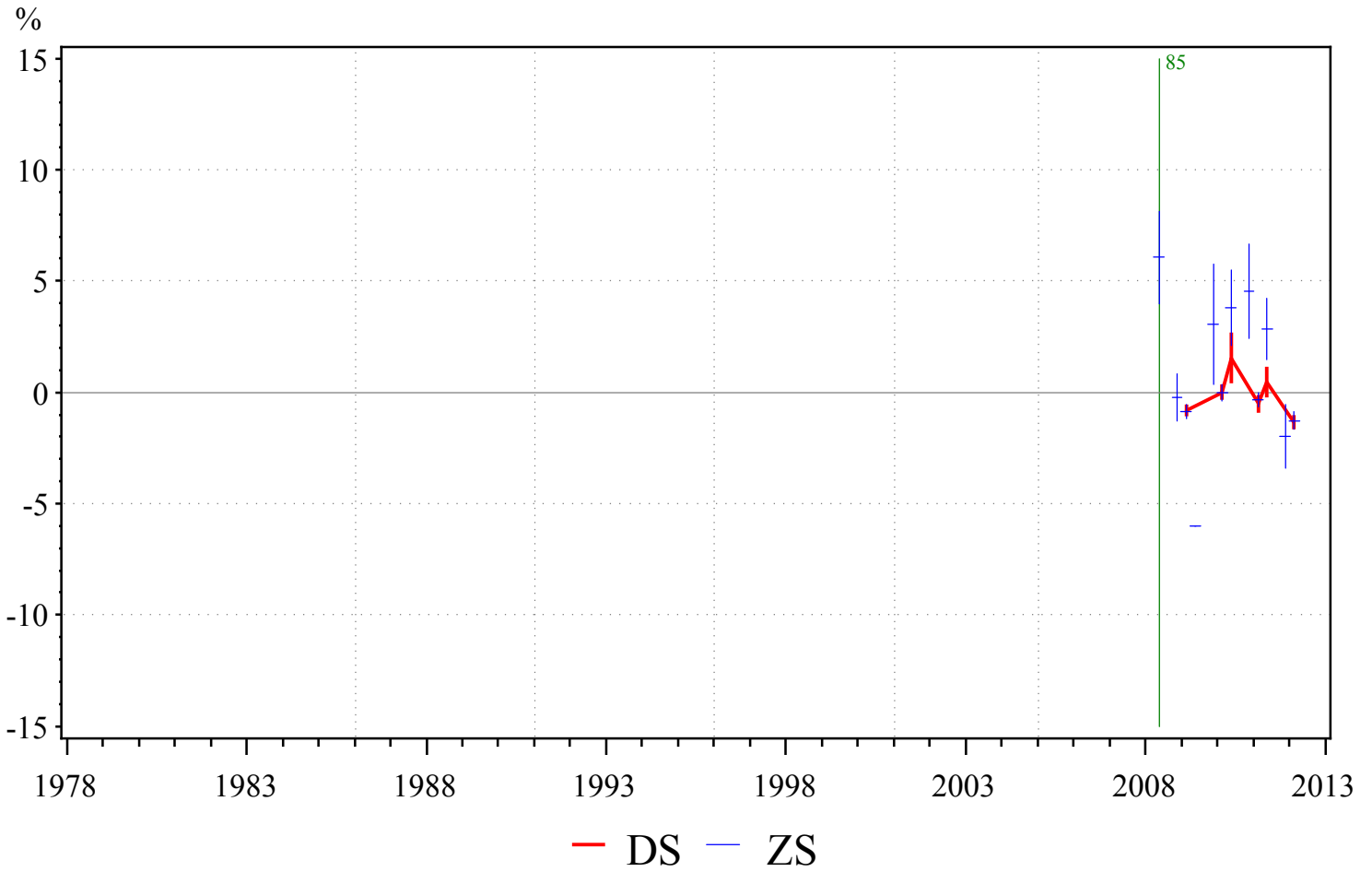


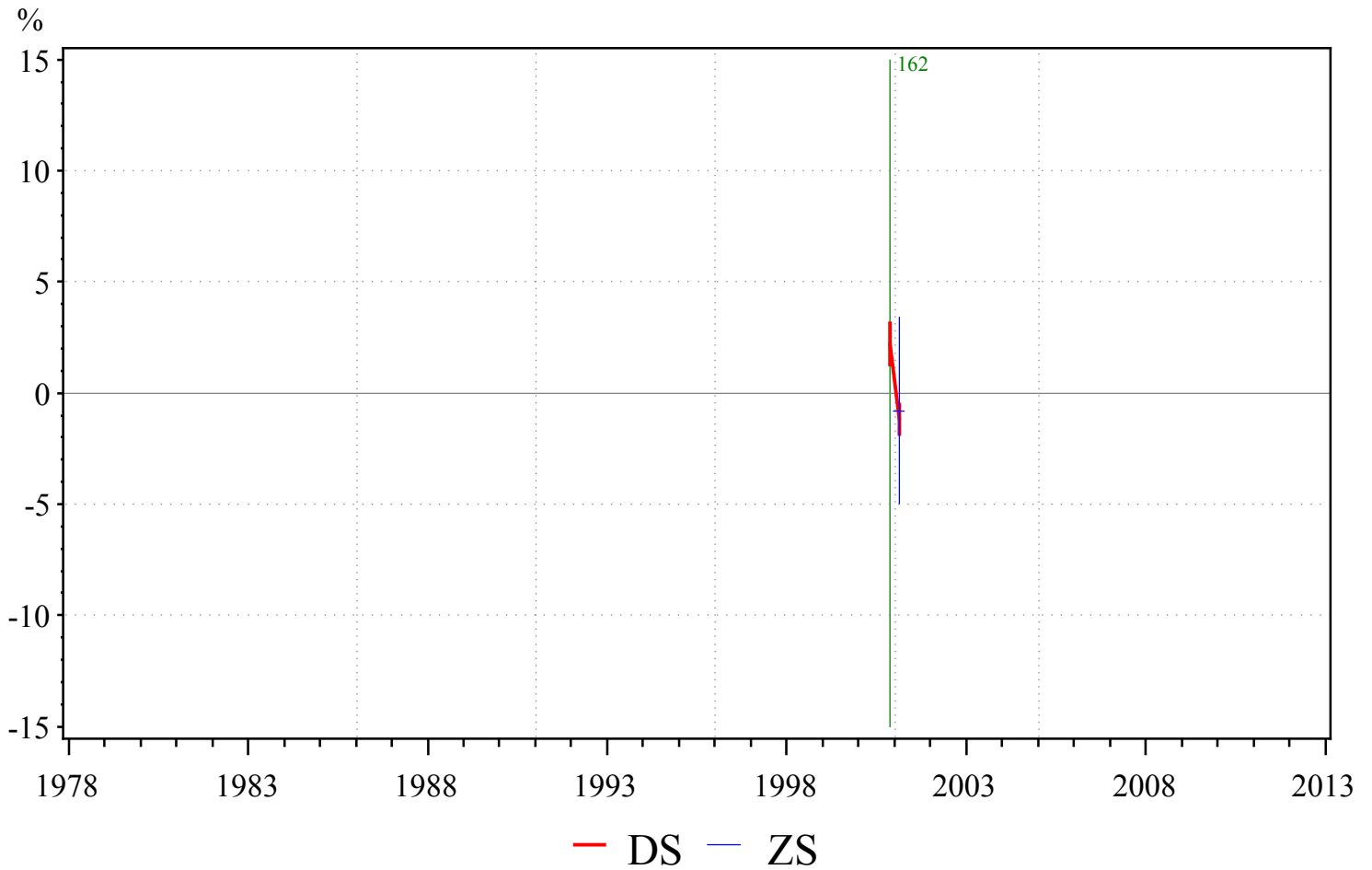
111 AMUNDSEN-SCOTT (SOUTH POLE), 90S, 0E, Brewer



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Obs	Direct Sun Statistics	1978-1985	1986-1990	1991-1995	1996-2000	2001-2005	2006-2010	Mean	Range
DS	Number of days	.	.	.	.	.	232	.	.
	Bias	.	.	.	.	.	-0.38	.	.
	Daily sigma	.	.	.	.	.	1.51	.	.
	Monthly sigma	.	.	.	.	.	0.71	.	.
	Annual range	.	.	.	.	.	0.4	.	.
ZS	Number of days	.	.	.	.	.	309	.	.
	Bias	.	.	.	.	.	0.49	.	.
	Daily sigma	.	.	.	.	.	3.26	.	.
	Monthly sigma	.	.	.	.	.	2.88	.	.
	Seasonal ampl.	.	.	.	.	.	11.51	.	.
	Annual range	.	.	.	.	.	1.17	.	.

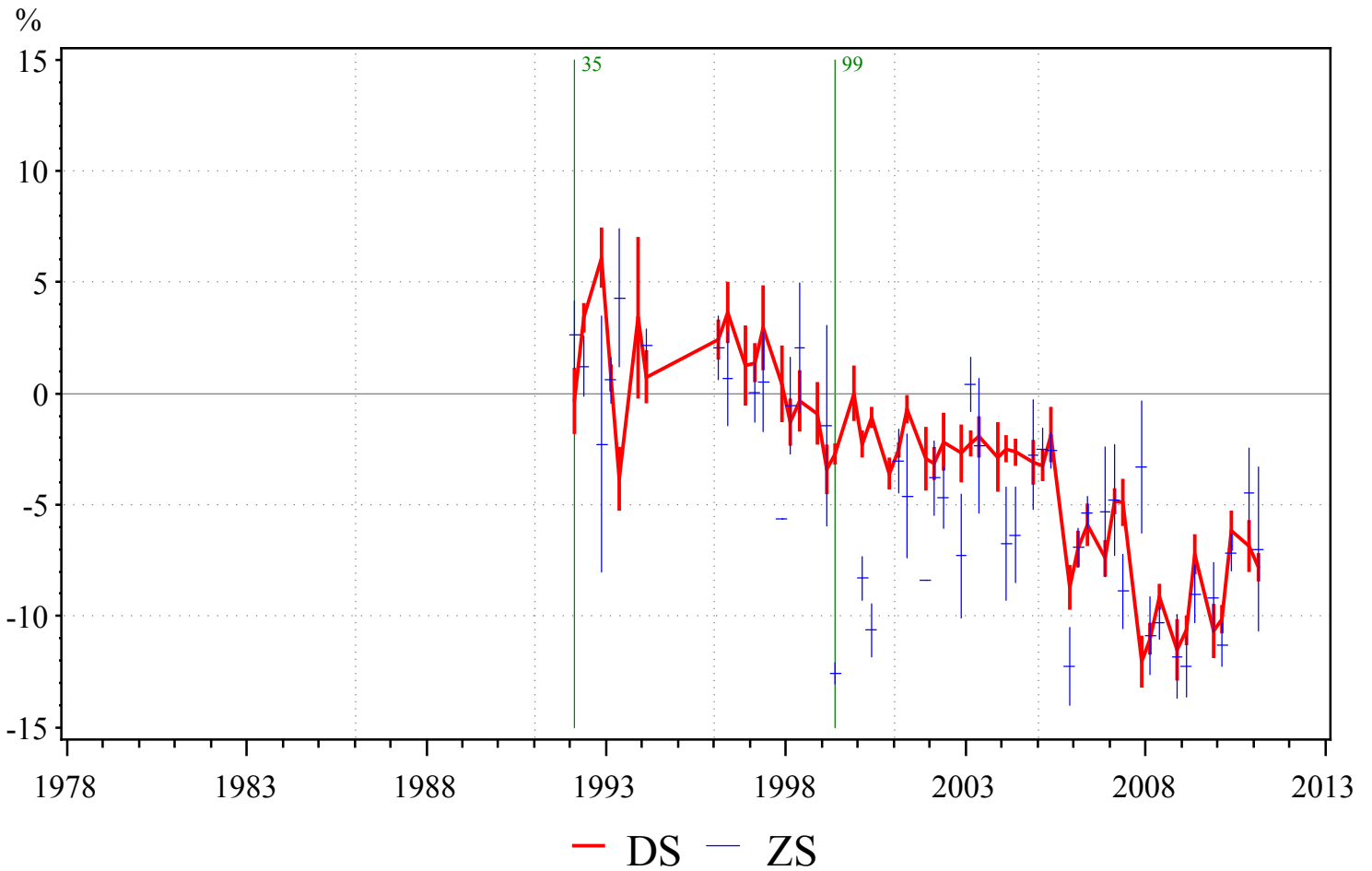
427 DOCTOR SOBRAL, 81S, 41W, Brewer



17:21 Wednesday, October 31, 2012 2

Obs	Direct Sun Statistics	1978-1985	1986-1990	1991-1995	1996-2000	2001-2005	2006-2010	Mean	Range
DS	Number of days	.	.	.	45	.	.	45	0
	Bias	.	.	.	0.25	.	.	0.25	0
	Daily sigma	.	.	.	2.62	.	.	2.62	0
	Monthly sigma	.	.	.	2.41	.	.	2.41	0

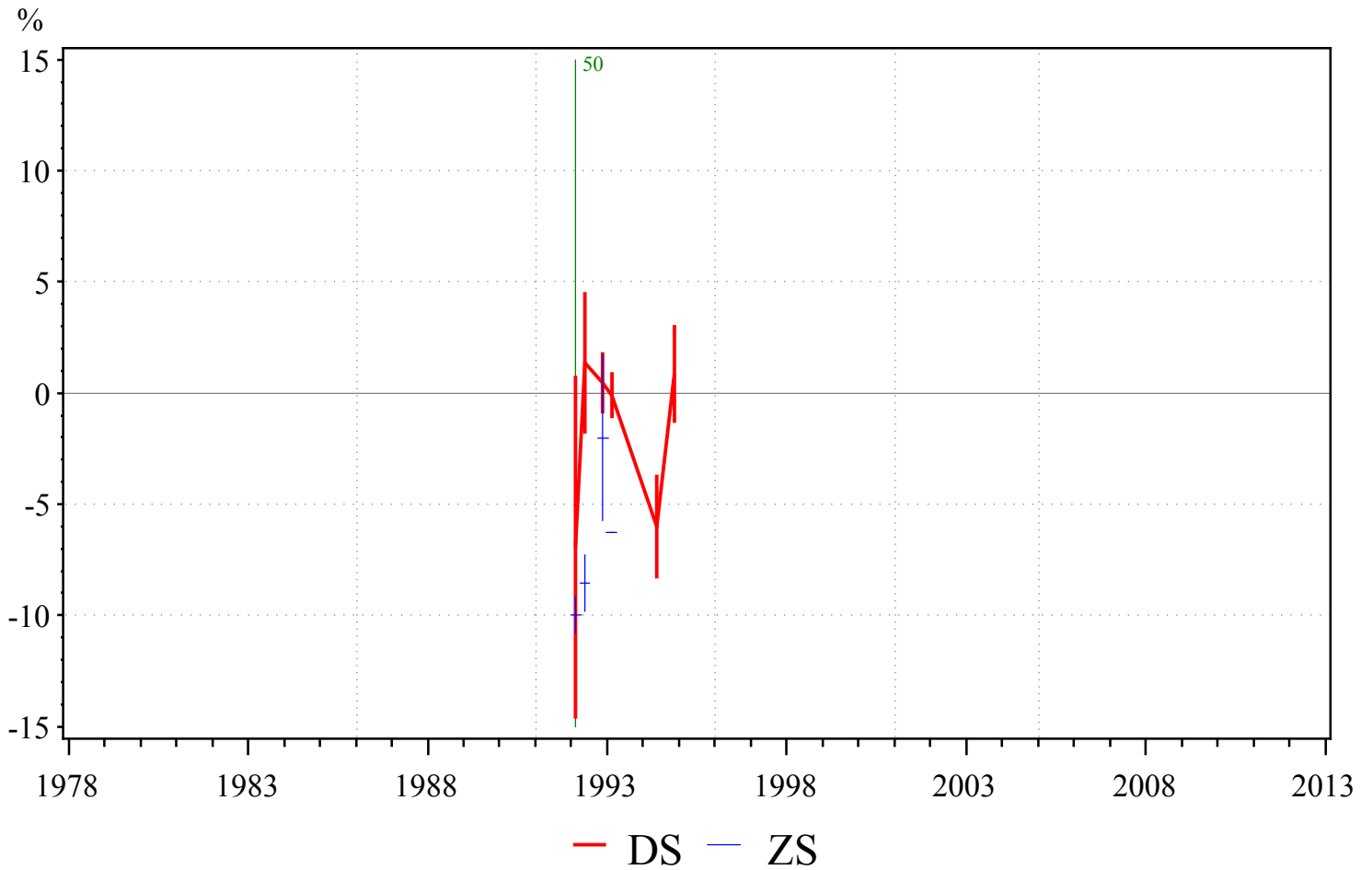
314 BELGRANO II, 78S, 35W, Brewer



17:21 Wednesday, October 31, 2012 3

Obs	Direct Sun Statistics	1978-1985	1986-1990	1991-1995	1996-2000	2001-2005	2006-2010	Mean	Range
DS	Number of days	.	.	221	551	644	652	472	423
	Bias	.	.	1.89	-0.69	-3.39	-9.34	-0.73	5.28
	Daily sigma	.	.	4.54	4.77	3.8	4.72	4.37	0.97
	Monthly sigma	.	.	1.9	3.04	2.47	3.38	2.47	1.15
	Seasonal ampl.	.	.	.	2.68	1.48	2.86	2.08	1.2
	Annual range	.	.	1.95	4.16	3.46	5.13	3.19	2.21
ZS	Number of days	.	.	50	136	197	224	127.67	147
	Bias	.	.	0.9	-2.32	-4.88	-8.43	-2.1	5.78
	Daily sigma	.	.	4.95	6.23	6.29	4.76	5.82	1.34
	Monthly sigma	.	.	1.41	3.51	5.46	3.86	3.46	4.05

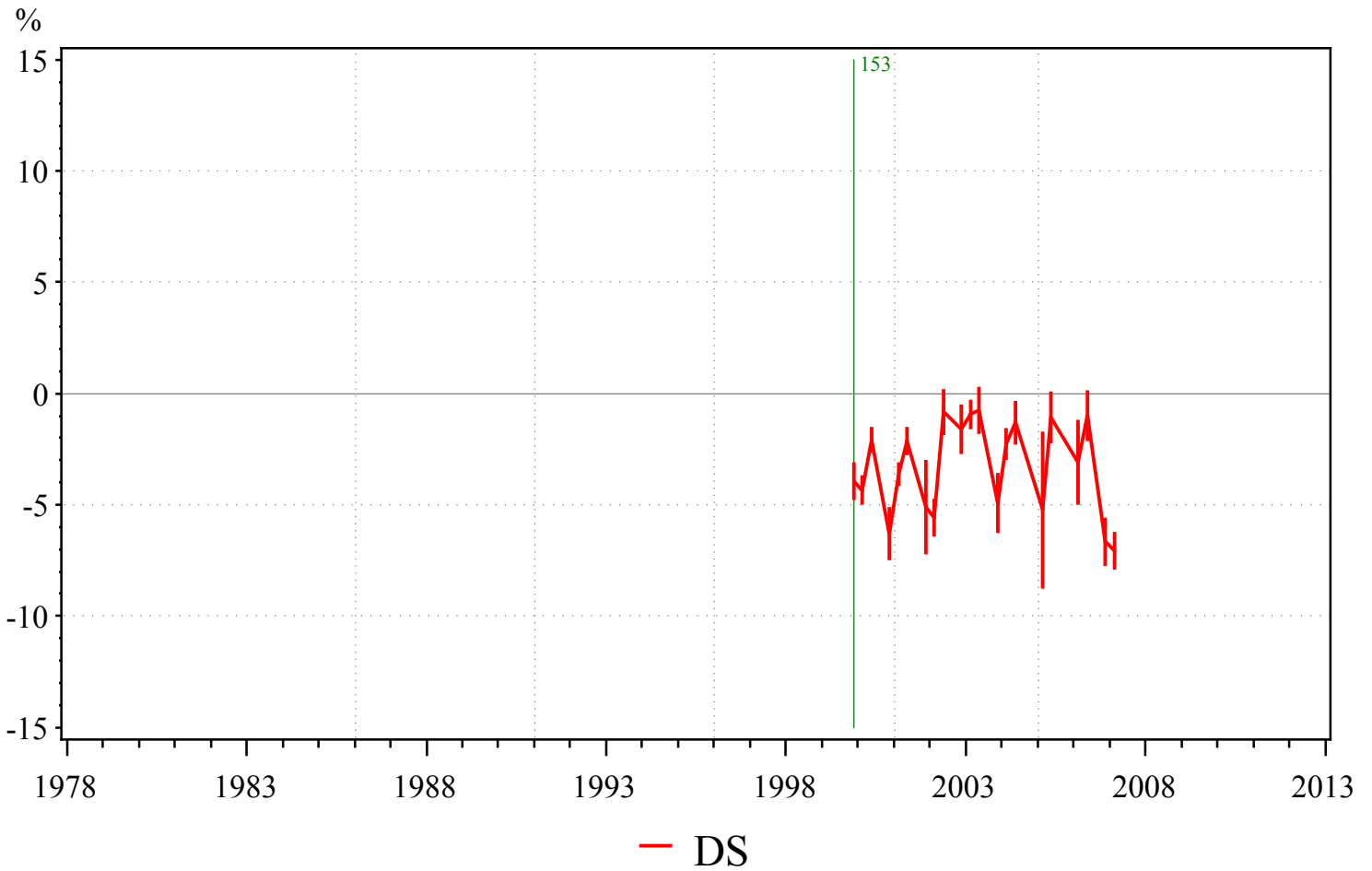
324 SCOTT BASE, 78S, 166E, Brewer



17:21 Wednesday, October 31, 2012 4

Obs	Direct Sun Statistics	1978-1985	1986-1990	1991-1995	1996-2000	2001-2005	2006-2010	Mean	Range
DS	Number of days	.	.	131	.	.	.	131	0
	Bias	.	.	-2.19	.	.	.	-2.19	0
	Daily sigma	.	.	8.09	.	.	.	8.09	0
	Monthly sigma	.	.	5.59	.	.	.	5.59	0
	Annual range	.	.	5.38	.	.	.	5.38	0
ZS	Number of days	.	.	20	.	.	.	20	0
	Bias	.	.	-8.83	.	.	.	-8.83	0
	Daily sigma	.	.	9.77	.	.	.	9.77	0

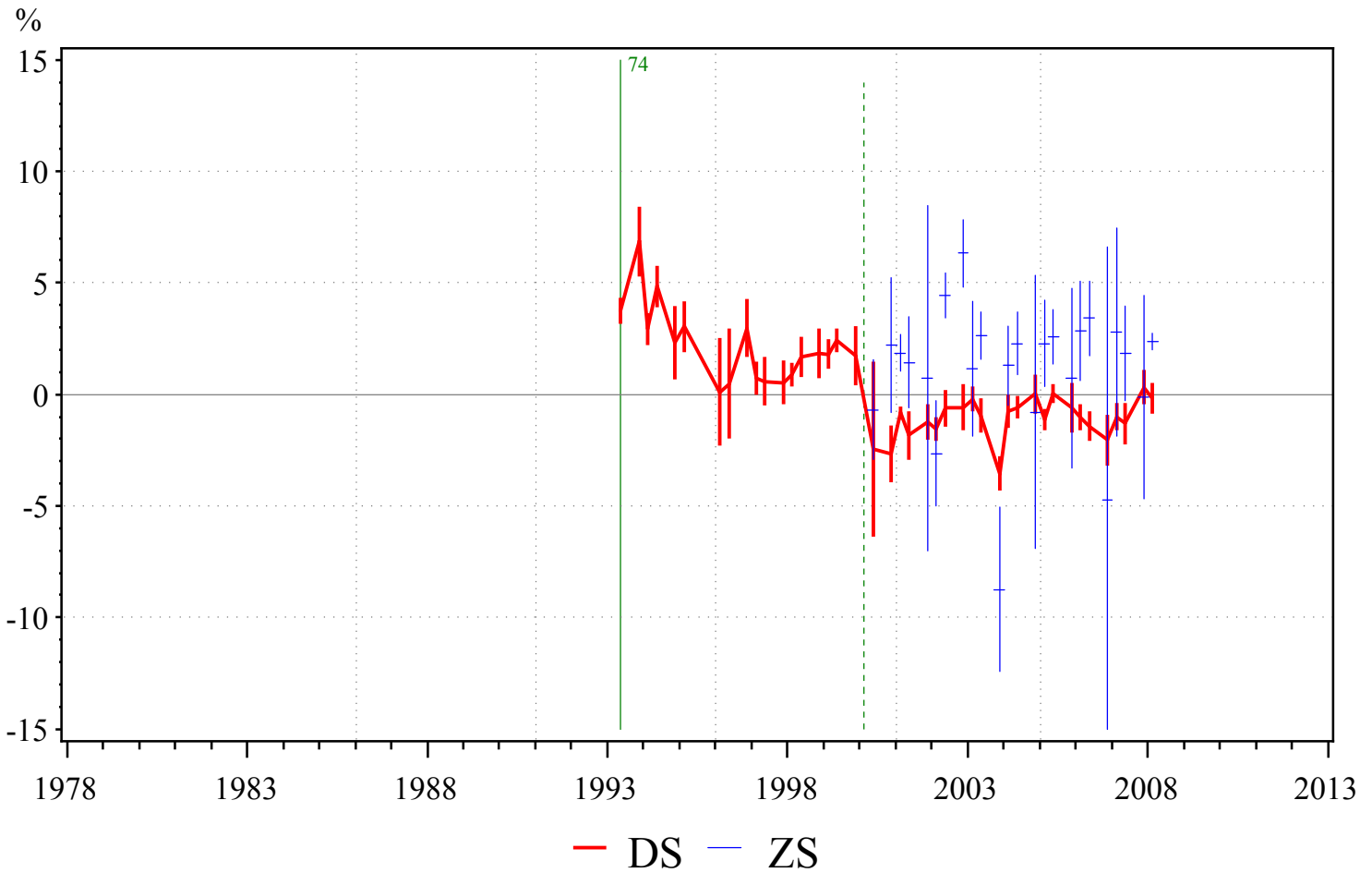
400 MAITRI, 70S, 11E, Brewer



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Obs	Direct Sun Statistics	1978-1985	1986-1990	1991-1995	1996-2000	2001-2005	2006-2010	Mean	Range
DS	Number of days	.	.	.	244	365	122	304.5	121
	Bias	.	.	.	-4.44	-2.79	-5.17	-3.61	1.65
	Daily sigma	.	.	.	4.11	3.66	4.17	3.88	0.44
	Monthly sigma	.	.	.	2.28	2.6	3.27	2.44	0.32
	Seasonal ampl.	2.39	.	2.39	0
	Annual range	.	.	.	0.53	3.01	.	1.77	2.48

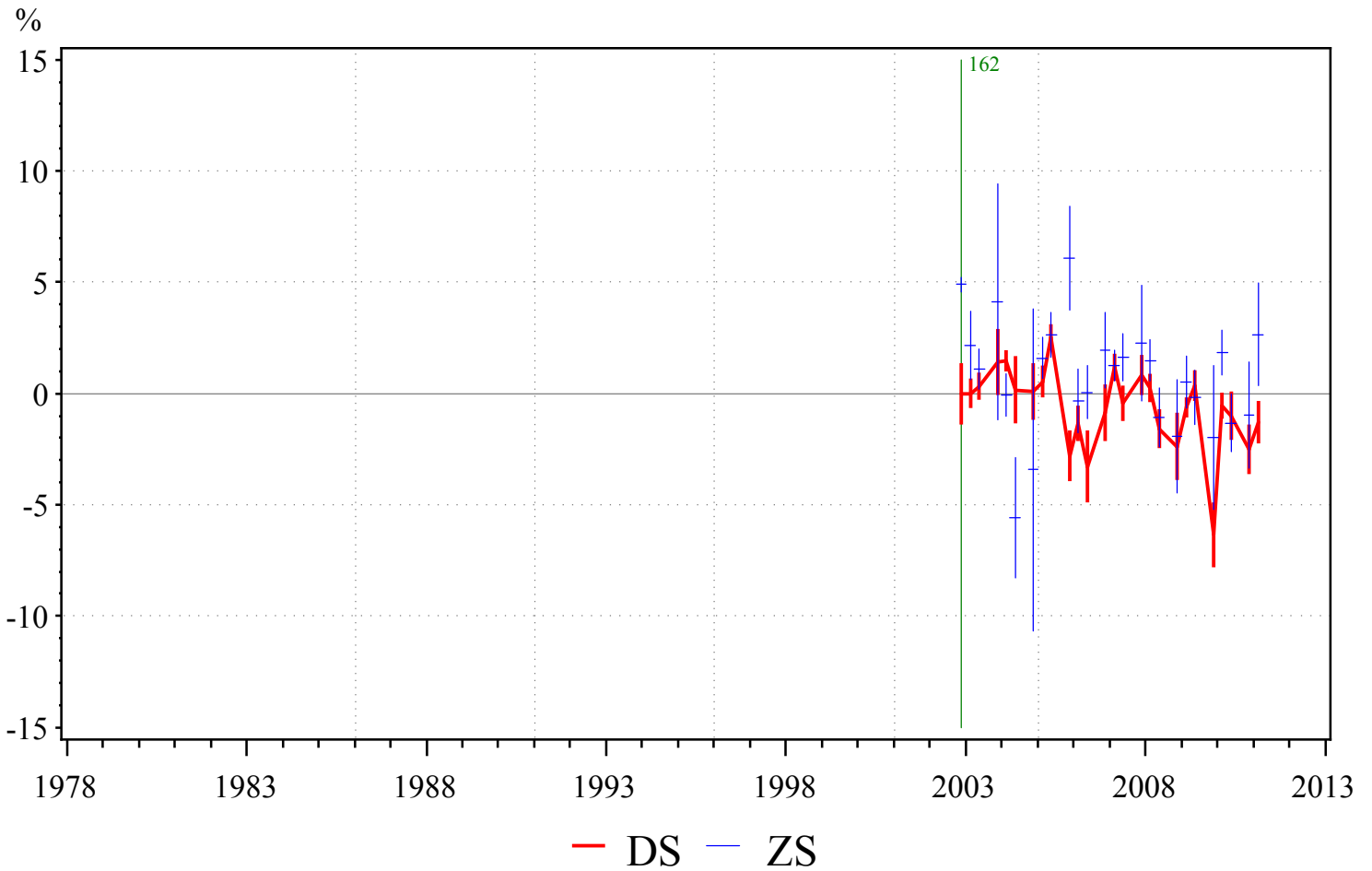
478 ZHONGSHAN, 69S, 76E, Brewer



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Obs	Direct Sun Statistics	1978-1985	1986-1990	1991-1995	1996-2000	2001-2005	2006-2010	Mean	Range
DS	Number of days	.	.	169	600	819	343	529.33	650
	Bias	.	.	3.81	0.83	-0.82	-0.96	1.28	4.63
	Daily sigma	.	.	3.68	3.39	4.01	2.97	3.69	0.62
	Monthly sigma	.	.	1.6	1.42	1.4	0.98	1.47	0.19
	Seasonal ampl.	.	.	.	0.23	0.28	0.28	0.25	0.05
	Annual range	.	.	0.44	3.32	1.49	1.3	1.75	2.88
ZS	Number of days	.	.	.	34	193	70	113.5	159
	Bias	.	.	.	-3.37	0.33	-0.89	-1.52	3.7
	Daily sigma	.	.	.	26.77	8.73	10.47	17.75	18.04
	Monthly sigma	.	.	.	14.93	8.55	11.37	11.74	6.38

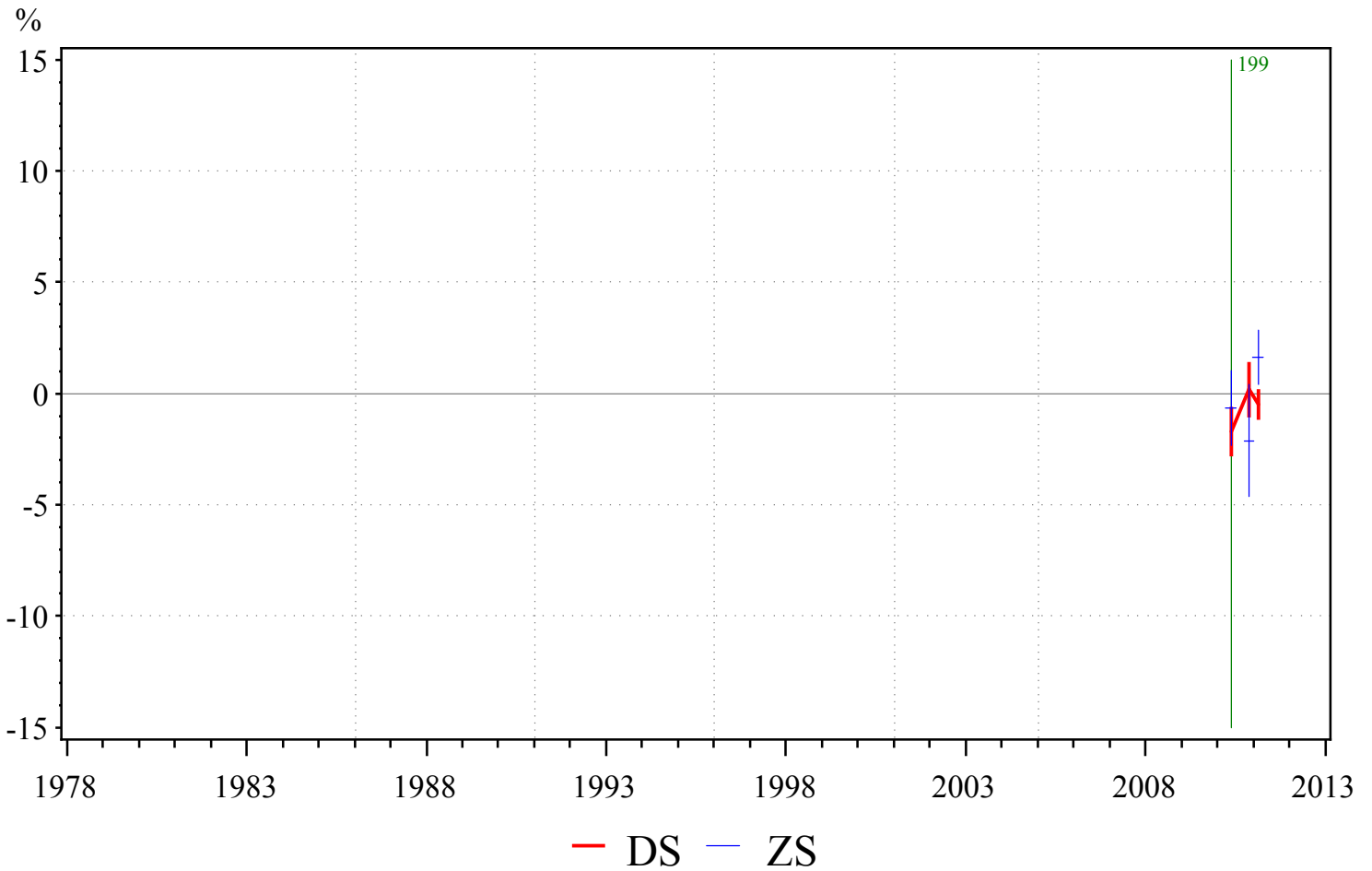
454 SAN MARTIN, 68S, 67W, Brewer



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Obs	Direct Sun Statistics	1978-1985	1986-1990	1991-1995	1996-2000	2001-2005	2006-2010	Mean	Range
DS	Number of days	.	.	.	.	547	844	547	0
	Bias	.	.	.	.	0.28	-1.34	0.28	0
	Daily sigma	.	.	.	.	3.71	4.58	3.71	0
	Monthly sigma	.	.	.	.	2	2.43	2	0
	Seasonal ampl.	.	.	.	.	0.94	2.71	0.94	0
	Annual range	.	.	.	.	1.29	2.54	1.29	0
ZS	Number of days	.	.	.	.	119	234	119	0
	Bias	.	.	.	.	-0.54	-0.11	-0.54	0
	Daily sigma	11.82	4.55	11.82	0
	Monthly sigma	9.36	2.13	9.36	0

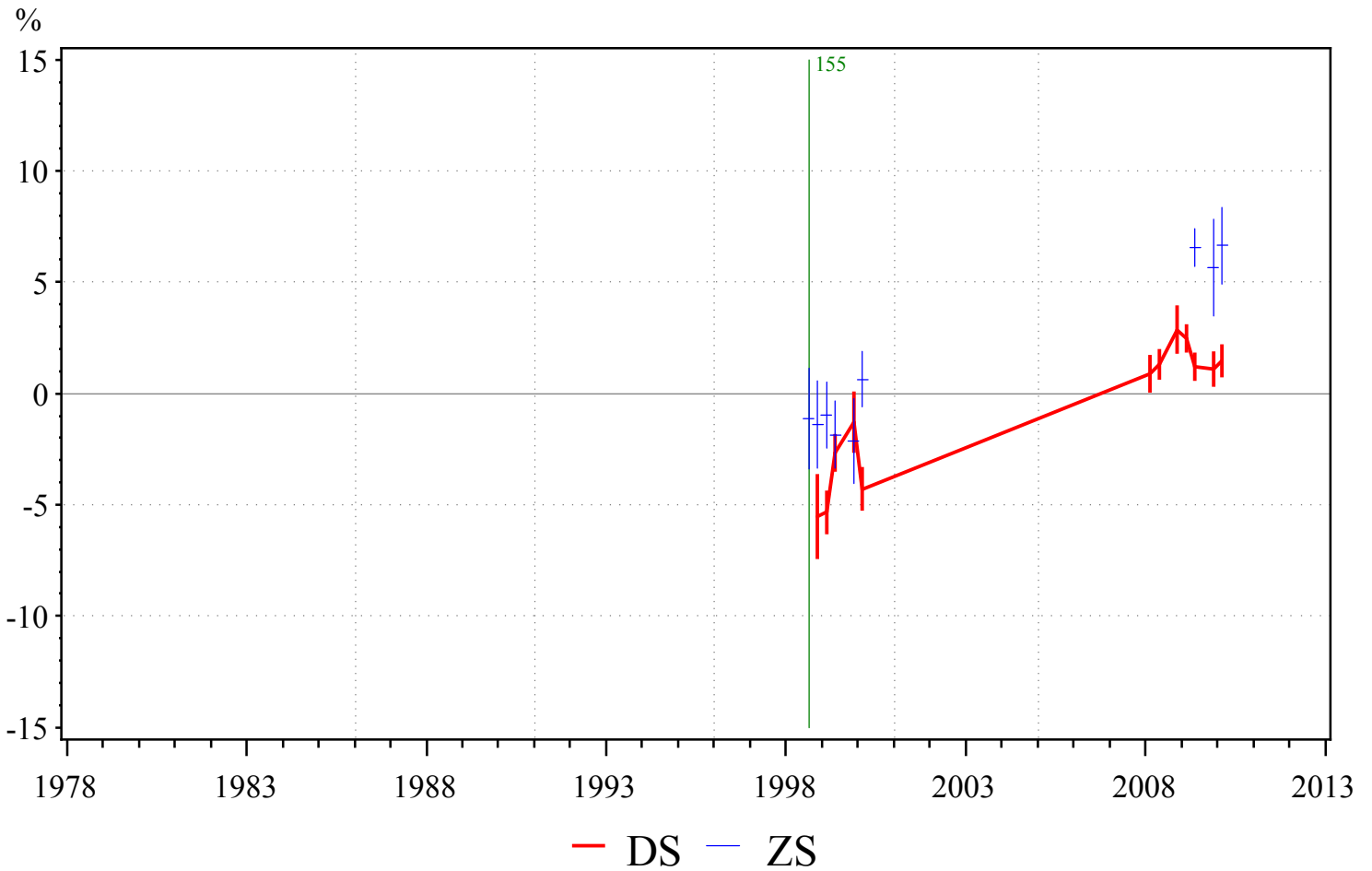
233 MARAMBIO, 64S, 57W, Brewer



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Obs	Direct Sun Statistics	1978-1985	1986-1990	1991-1995	1996-2000	2001-2005	2006-2010	Mean	Range
DS	Number of days	.	.	.	.	.	139	.	.
	Bias	.	.	.	.	.	-1.03	.	.
	Daily sigma	.	.	.	.	.	4.14	.	.
	Monthly sigma	.	.	.	.	.	1.28	.	.
ZS	Number of days	.	.	.	.	.	42	.	.
	Bias	-0.35	.	.
	Daily sigma	3.79	.	.
	Monthly sigma	2.96	.	.

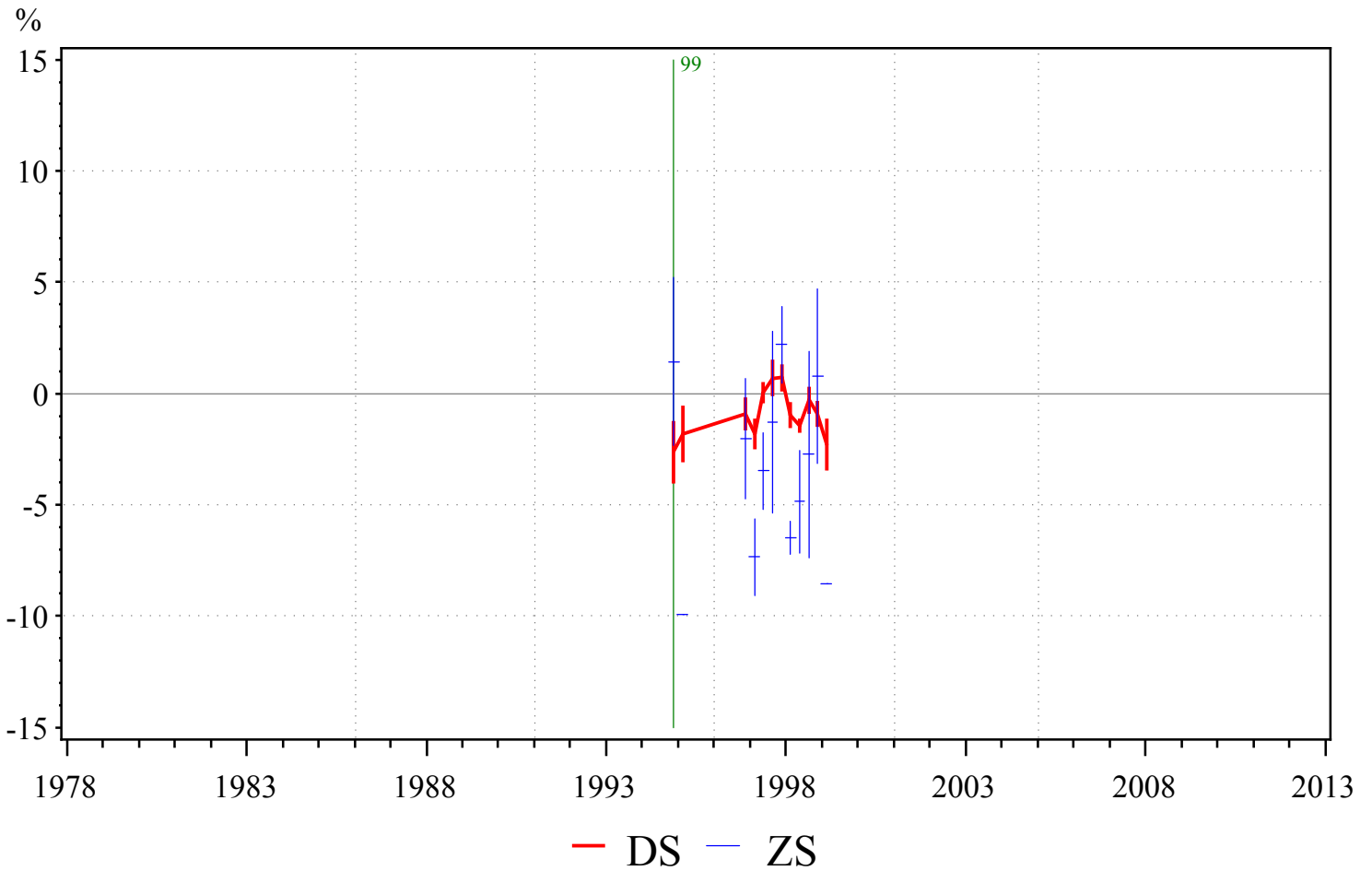
351 KING GEORGE ISLAND, 62S, 59W, Brewer



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Obs	Direct Sun Statistics	1978-1985	1986-1990	1991-1995	1996-2000	2001-2005	2006-2010	Mean	Range
DS	Number of days	.	.	.	188	.	320	188	0
	Bias	.	.	.	-5.22	.	1.77	-5.22	0
	Daily sigma	.	.	.	6.56	.	3.09	6.56	0
	Monthly sigma	.	.	.	2.95	.	1.09	2.95	0
	Seasonal ampl.	.	.	.	.	.	1.01	.	.
	Annual range	.	.	.	3.14	.	0.85	3.14	0
ZS	Number of days	.	.	.	127	.	53	127	0
	Bias	.	.	.	-2.08	.	6.03	-2.08	0
	Daily sigma	.	.	.	5.68	.	4.87	5.68	0
	Monthly sigma	.	.	.	3.17	.	3.39	3.17	0

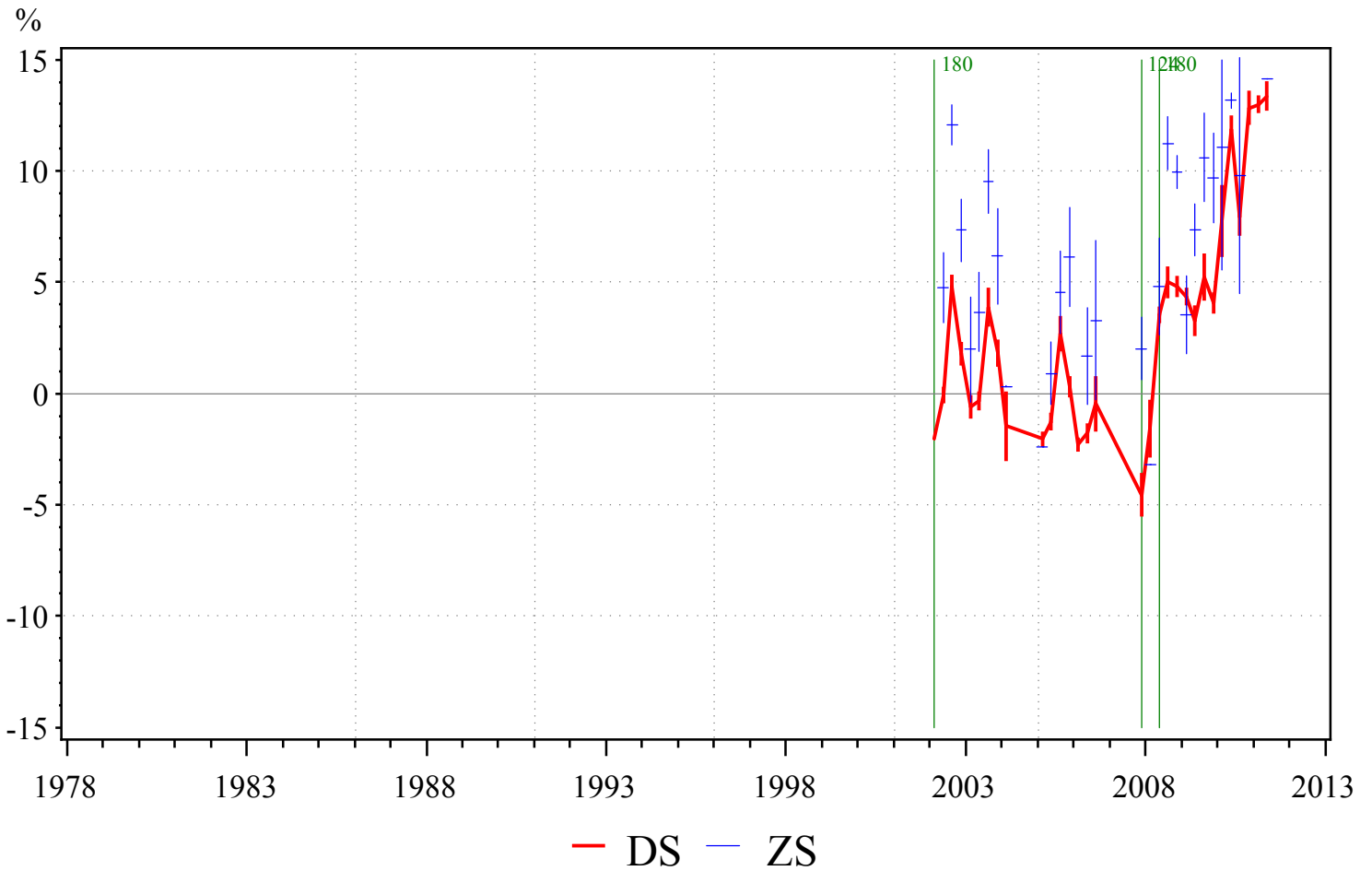
399 USHUAIA II, 55S, 68W, Brewer



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Obs	Direct Sun Statistics	1978-1985	1986-1990	1991-1995	1996-2000	2001-2005	2006-2010	Mean	Range
DS	Number of days	.	.	44	533	.	.	288.5	489
	Bias	.	.	-2.53	-0.64	.	.	-1.58	1.89
	Daily sigma	.	.	4.1	2.44	.	.	3.27	1.67
	Monthly sigma	.	.	1.02	1.21	.	.	1.12	0.19
	Seasonal ampl.	.	.	.	1.34	.	.	1.34	0
	Annual range	.	.	.	1.13	.	.	1.13	0
ZS	Number of days	.	.	.	100	.	.	100	0
	Bias	.	.	.	-3.86	.	.	-3.86	0
	Daily sigma	.	.	.	5.17	.	.	5.17	0
	Monthly sigma	.	.	.	2.19	.	.	2.19	0

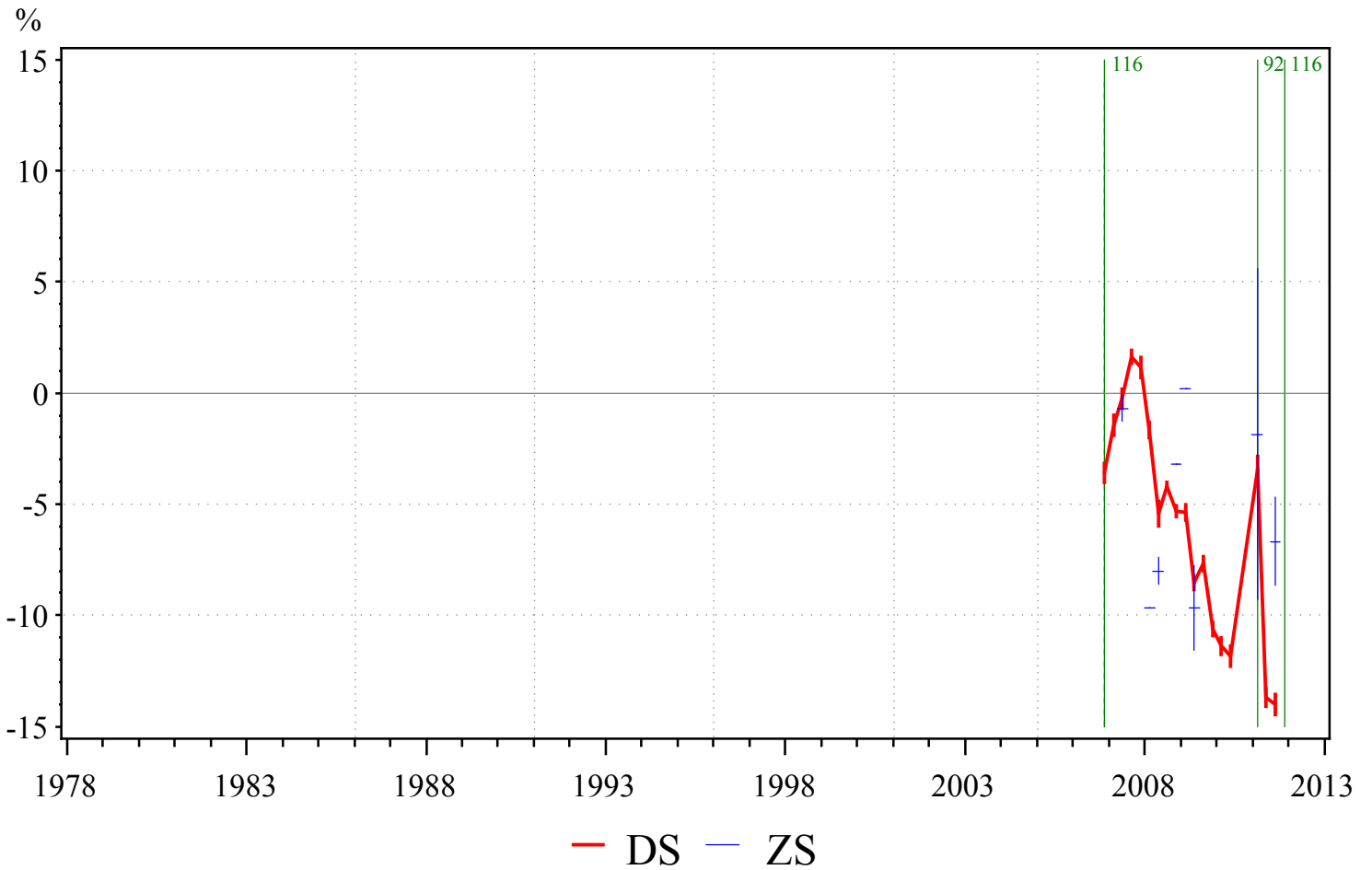
473 PUNTA ARENAS, 53S, 71W, Brewer



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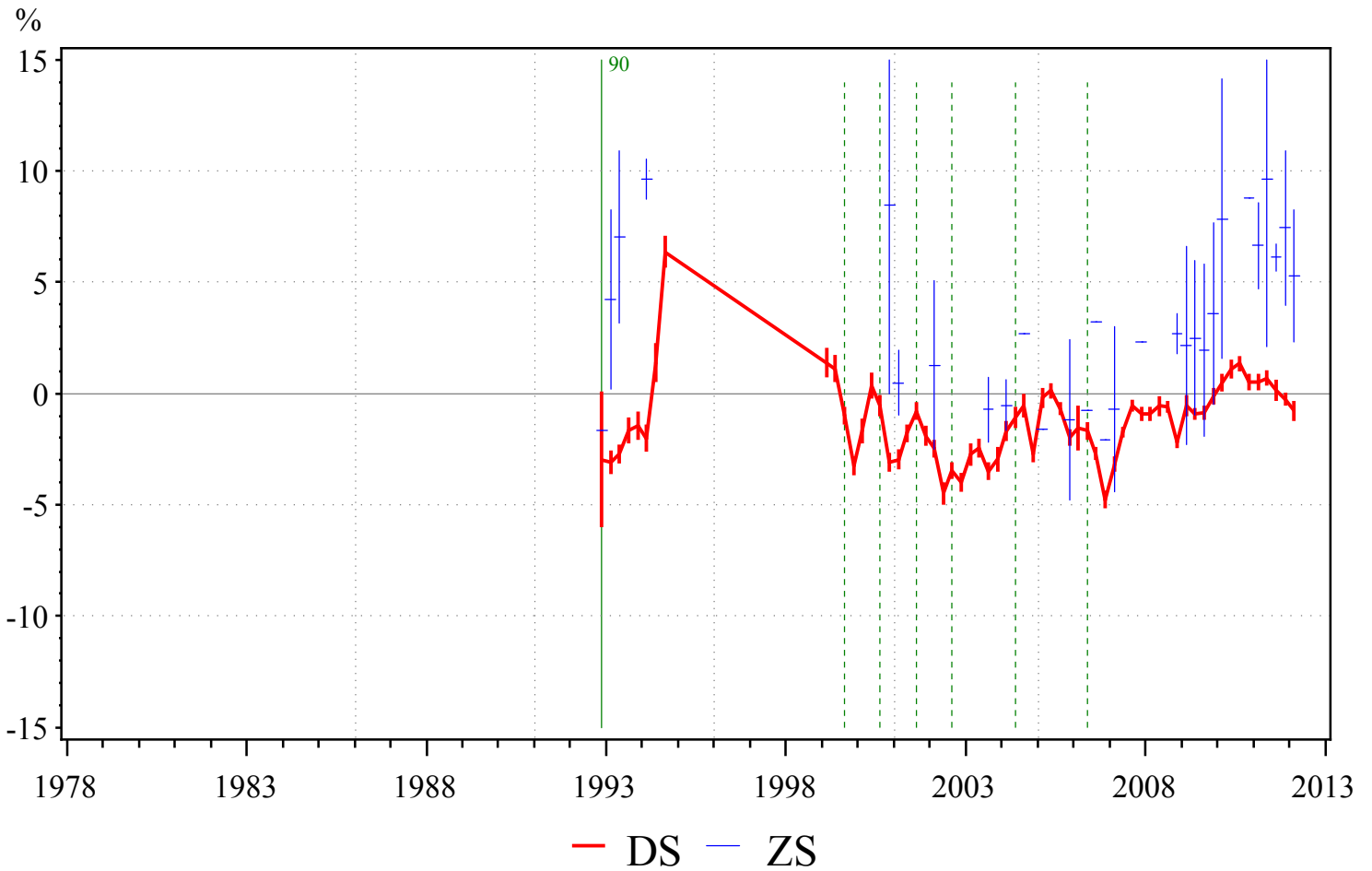
Obs	Direct Sun Statistics	1978-1985	1986-1990	1991-1995	1996-2000	2001-2005	2006-2010	Mean	Range
DS	Number of days	.	.	.	.	785	985	785	0
	Bias	.	.	.	.	0.5	5.46	0.5	0
	Daily sigma	.	.	.	.	3.02	6.52	3.02	0
	Monthly sigma	.	.	.	.	2.29	5.98	2.29	0
	Seasonal ampl.	.	.	.	.	2.96	2.91	2.96	0
	Annual range	.	.	.	.	2.19	14.61	2.19	0
ZS	Number of days	.	.	.	.	134	166	134	0
	Bias	.	.	.	.	6.63	8.86	6.63	0
	Daily sigma	.	.	.	.	4.96	7.21	4.96	0
	Monthly sigma	.	.	.	.	1.36	5.72	1.36	0

475 BANDUNG, 7S, 108E, Brewer



Obs	Direct Sun Statistics	1978-1985	1986-1990	1991-1995	1996-2000	2001-2005	2006-2010	Mean	Range
DS	Number of days	.	.	.	.	.	1112	.	.
	Bias	.	.	.	.	.	-5.14	.	.
	Daily sigma	.	.	.	.	.	5.42	.	.
	Monthly sigma	.	.	.	.	.	4.58	.	.
	Seasonal ampl.	.	.	.	.	.	1.24	.	.
	Annual range	.	.	.	.	.	9.54	.	.
ZS	Number of days	18	.	.
	Bias	-6.81	.	.
	Daily sigma	5.99	.	.

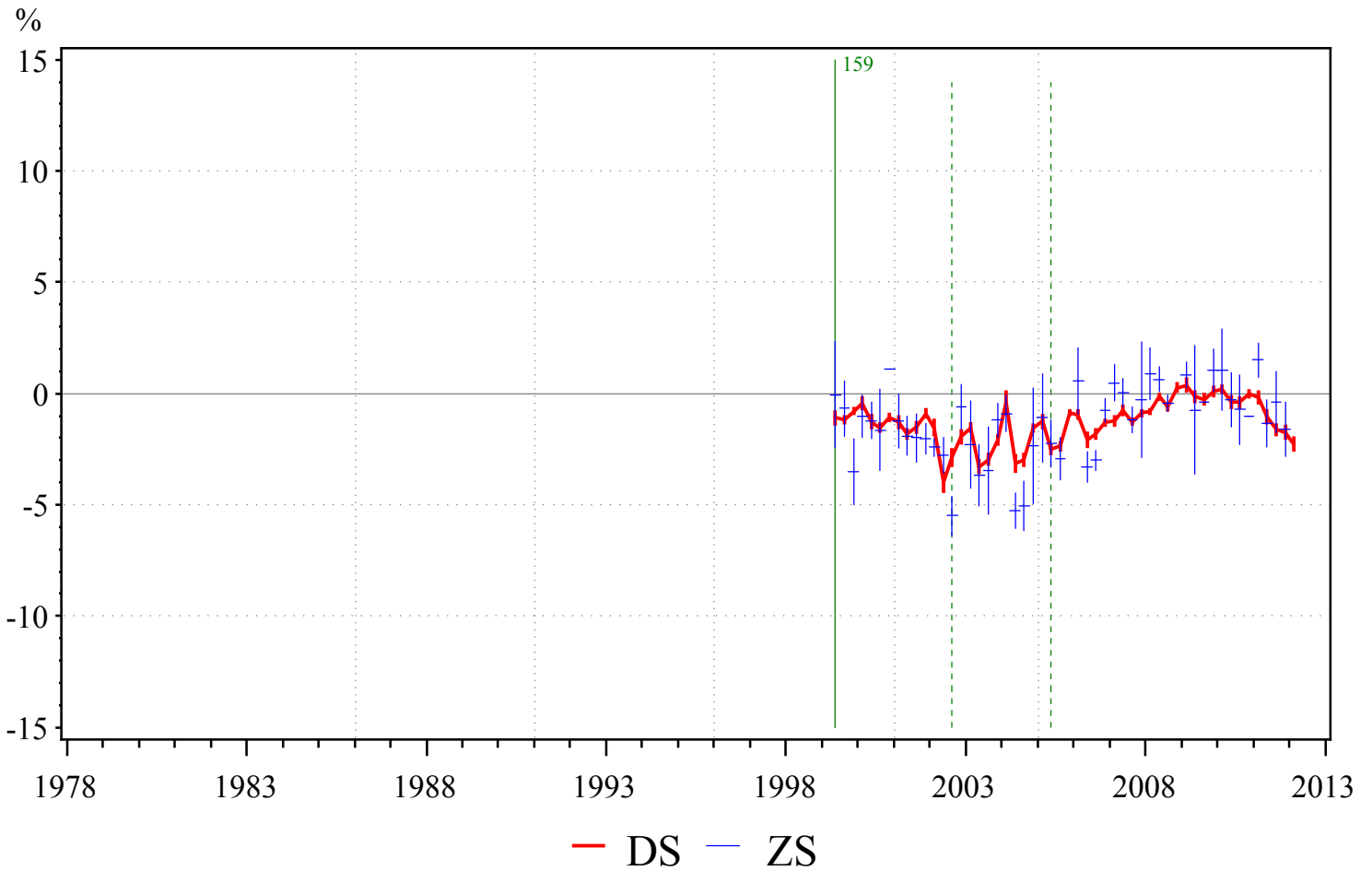
322 PETALING JAYA, 3N, 102E, Brewer



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Obs	Direct Sun Statistics	1978-1985	1986-1990	1991-1995	1996-2000	2001-2005	2006-2010	Mean	Range
DS	Number of days	.	.	446	585	1439	1642	823.33	993
	Bias	.	.	-0.86	-1.32	-2.05	-0.95	-1.41	1.19
	Daily sigma	.	.	3.88	2.58	2.22	2.48	2.9	1.66
	Monthly sigma	.	.	3.13	1.79	1.43	1.62	2.12	1.7
	Seasonal ampl.	.	.	0.91	2	0.47	0.63	1.13	1.53
	Annual range	.	.	7.18	0.07	2.91	3.93	3.39	7.11
ZS	Number of days	.	.	15	.	18	36	16.5	3
	Bias	.	.	6.82	.	-0.22	1.65	3.3	7.04
	Daily sigma	.	.	5.57	.	2.97	10.1	4.27	2.6

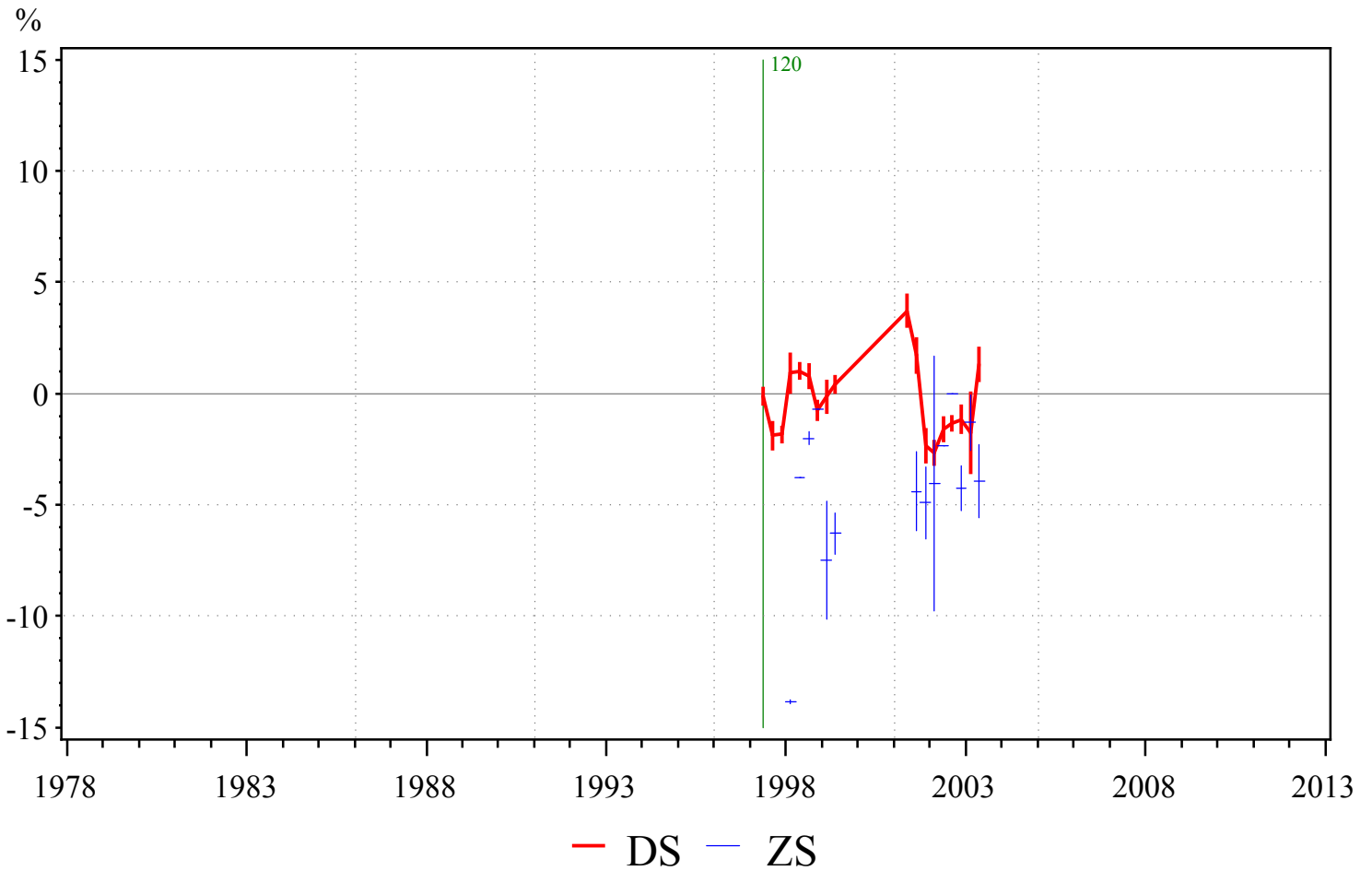
435 PARAMARIBO, 6N, 55W, Brewer



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Obs	Direct Sun Statistics	1978-1985	1986-1990	1991-1995	1996-2000	2001-2005	2006-2010	Mean	Range
DS	Number of days	.	.	.	500	1365	1358	932.5	865
	Bias	.	.	.	-1.09	-2	-0.51	-1.55	0.91
	Daily sigma	.	.	.	1.07	1.59	1.21	1.33	0.53
	Monthly sigma	.	.	.	0.5	1.06	0.7	0.78	0.56
	Seasonal ampl.	.	.	.	0.51	1.12	0.24	0.81	0.62
	Annual range	.	.	.	0.41	1.16	1.55	0.79	0.75
ZS	Number of days	.	.	.	46	202	243	124	156
	Bias	.	.	.	-1.11	-2.29	-0.81	-1.7	1.18
	Daily sigma	.	.	.	1.75	2.09	2.22	1.92	0.34
	Monthly sigma	1.05	1.84	1.05	0
	Annual range	1.62	.	.

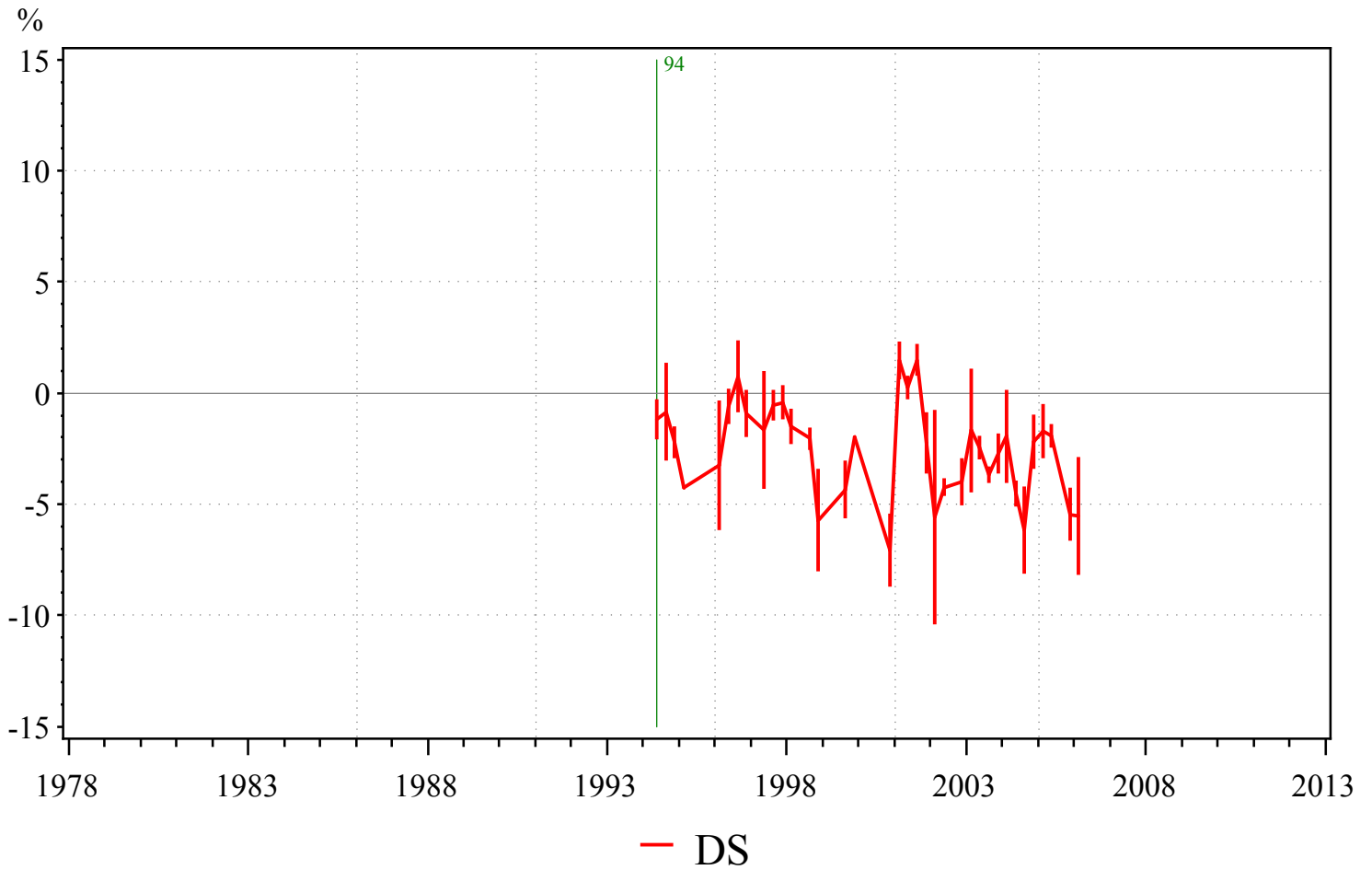
345 SONGKHLA, 7N, 101E, Brewer



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Obs	Direct Sun Statistics	1978-1985	1986-1990	1991-1995	1996-2000	2001-2005	2006-2010	Mean	Range
DS	Number of days	.	.	.	533	439	.	486	94
	Bias	.	.	.	-0.1	-0.84	.	-0.47	0.74
	Daily sigma	.	.	.	2.42	3.08	.	2.75	0.67
	Monthly sigma	.	.	.	1.61	1.96	.	1.78	0.36
	Seasonal ampl.	.	.	.	1.22	1.92	.	1.57	0.69
	Annual range	.	.	.	1.73	0.84	.	1.28	0.88
ZS	Number of days	.	.	.	16	62	.	39	46
	Bias	.	.	.	-7.56	-1.1	.	-4.33	6.46
	Daily sigma	.	.	.	5.4	8.64	.	7.02	3.25
	Monthly sigma	1.31	.	1.31	0

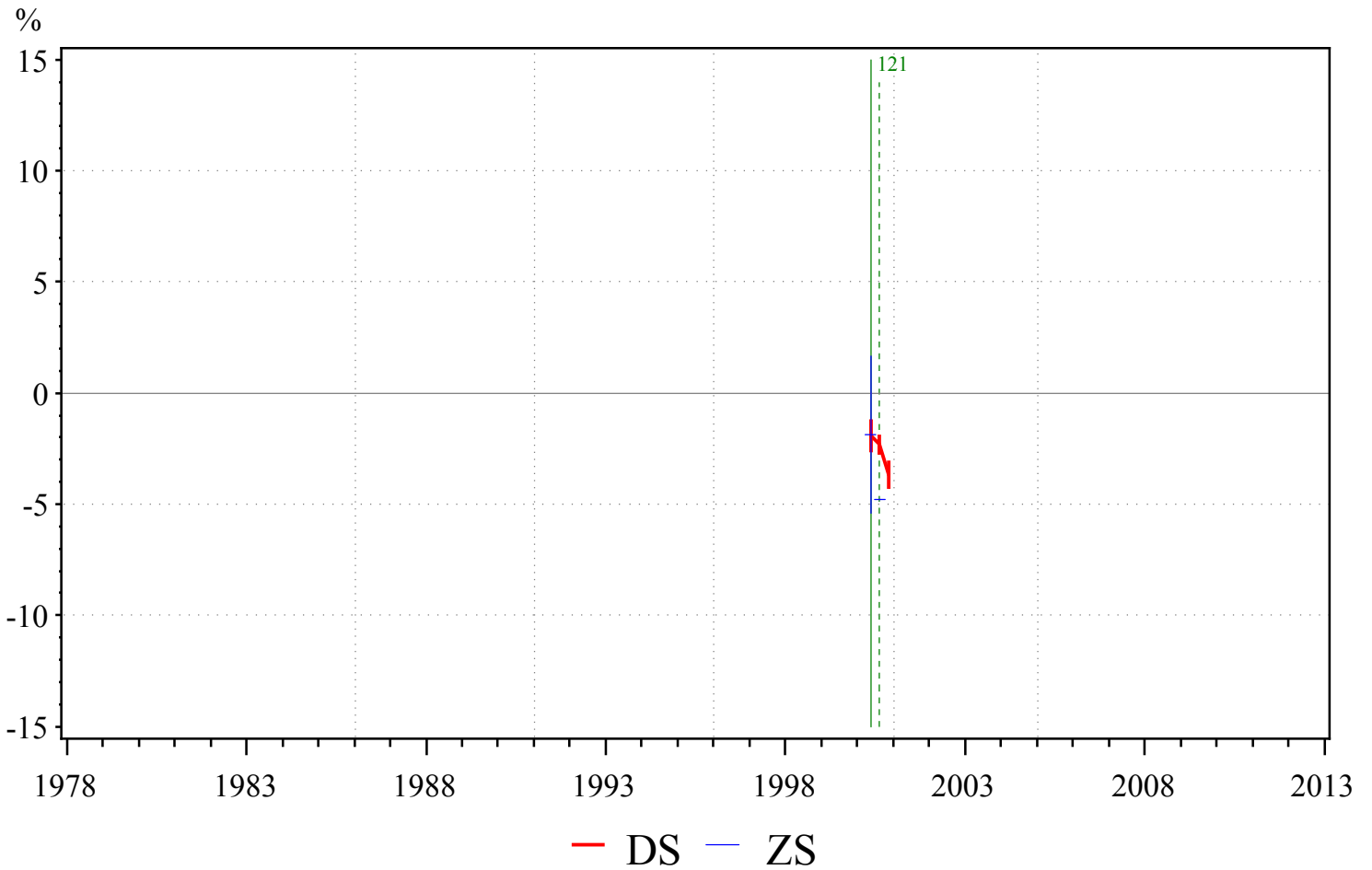
008 KODAIKANAL, 10N, 77E, Brewer



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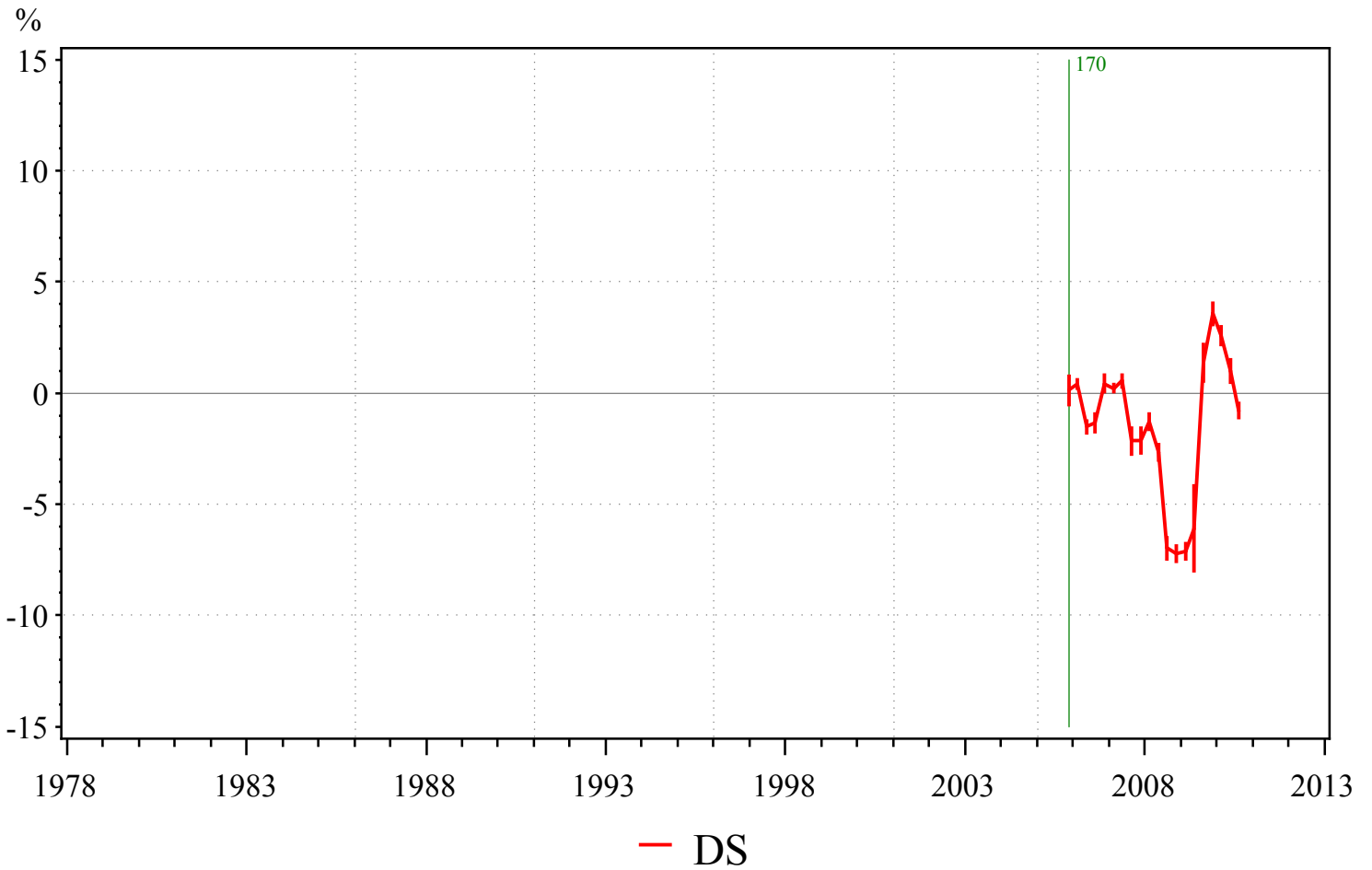
Obs	Direct Sun Statistics	1978-1985	1986-1990	1991-1995	1996-2000	2001-2005	2006-2010	Mean	Range
DS	Number of days	.	.	46	131	302	.	159.67	256
	Bias	.	.	-1.49	-1.27	-2.28	.	-1.68	1.01
	Daily sigma	.	.	2.91	2.49	2.83	.	2.74	0.42
	Monthly sigma	.	.	1.49	1.67	1.96	.	1.71	0.47
	Seasonal ampl.	.	.	.	.	1.17	.	1.17	0
	Annual range	.	.	.	.	2.27	.	2.27	0

216 BANGKOK, 14N, 101E, Brewer



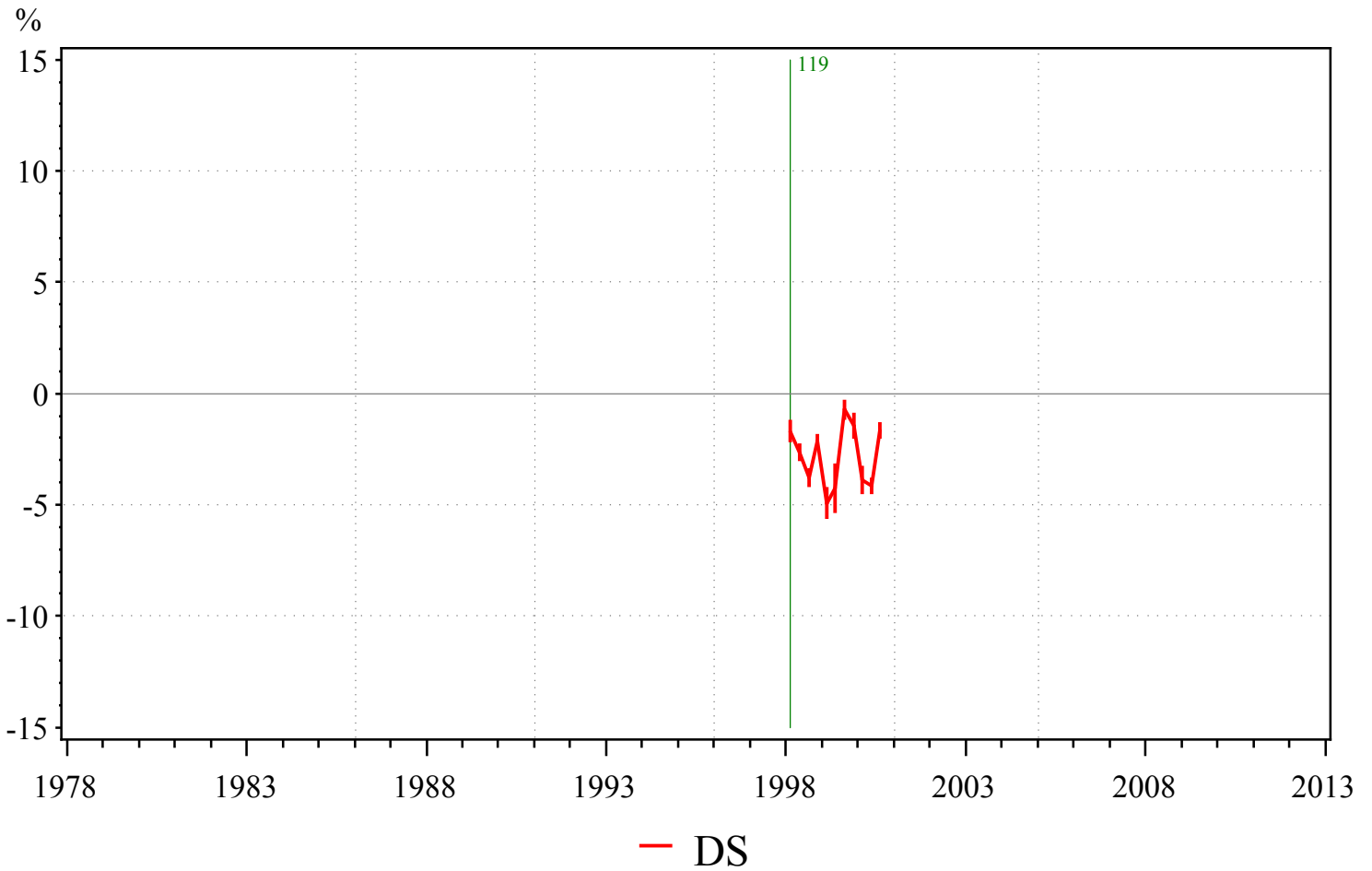
Obs	Direct Sun Statistics	1978-1985	1986-1990	1991-1995	1996-2000	2001-2005	2006-2010	Mean	Range
DS	Number of days	.	.	.	167	.	.	167	0
	Bias	.	.	.	-2.68	.	.	-2.68	0
	Daily sigma	.	.	.	4.12	.	.	4.12	0
	Monthly sigma	.	.	.	1.42	.	.	1.42	0

187 POONA, 19N, 74E, Brewer



Obs	Direct Sun Statistics	1978-1985	1986-1990	1991-1995	1996-2000	2001-2005	2006-2010	Mean	Range
DS	Number of days	.	.	.	.	90	1187	90	0
	Bias	.	.	.	.	0.6	-1.49	0.6	0
	Daily sigma	.	.	.	.	1.38	3.71	1.38	0
	Monthly sigma	0.43	3.39	0.43	0
	Seasonal ampl.	1.1	.	.
	Annual range	6.45	.	.

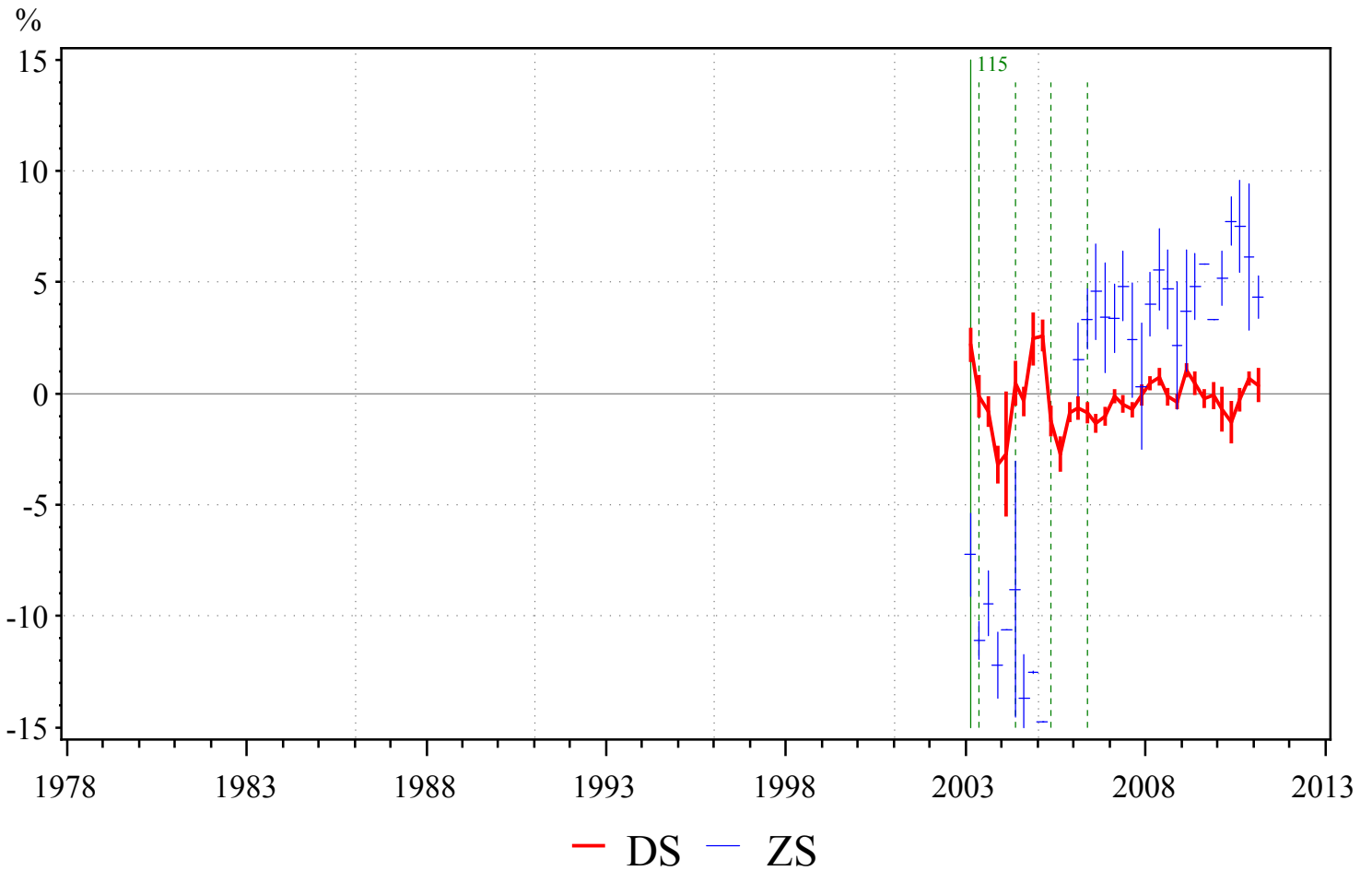
031 MAUNA LOA, 20N, 156W, Brewer



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Obs	Direct Sun Statistics	1978-1985	1986-1990	1991-1995	1996-2000	2001-2005	2006-2010	Mean	Range
DS	Number of days	.	.	.	594	.	.	594	0
	Bias	.	.	.	-2.75	.	.	-2.75	0
	Daily sigma	.	.	.	2.32	.	.	2.32	0
	Monthly sigma	.	.	.	1.59	.	.	1.59	0
	Seasonal ampl.	.	.	.	1.21	.	.	1.21	0
	Annual range	.	.	.	1.67	.	.	1.67	0

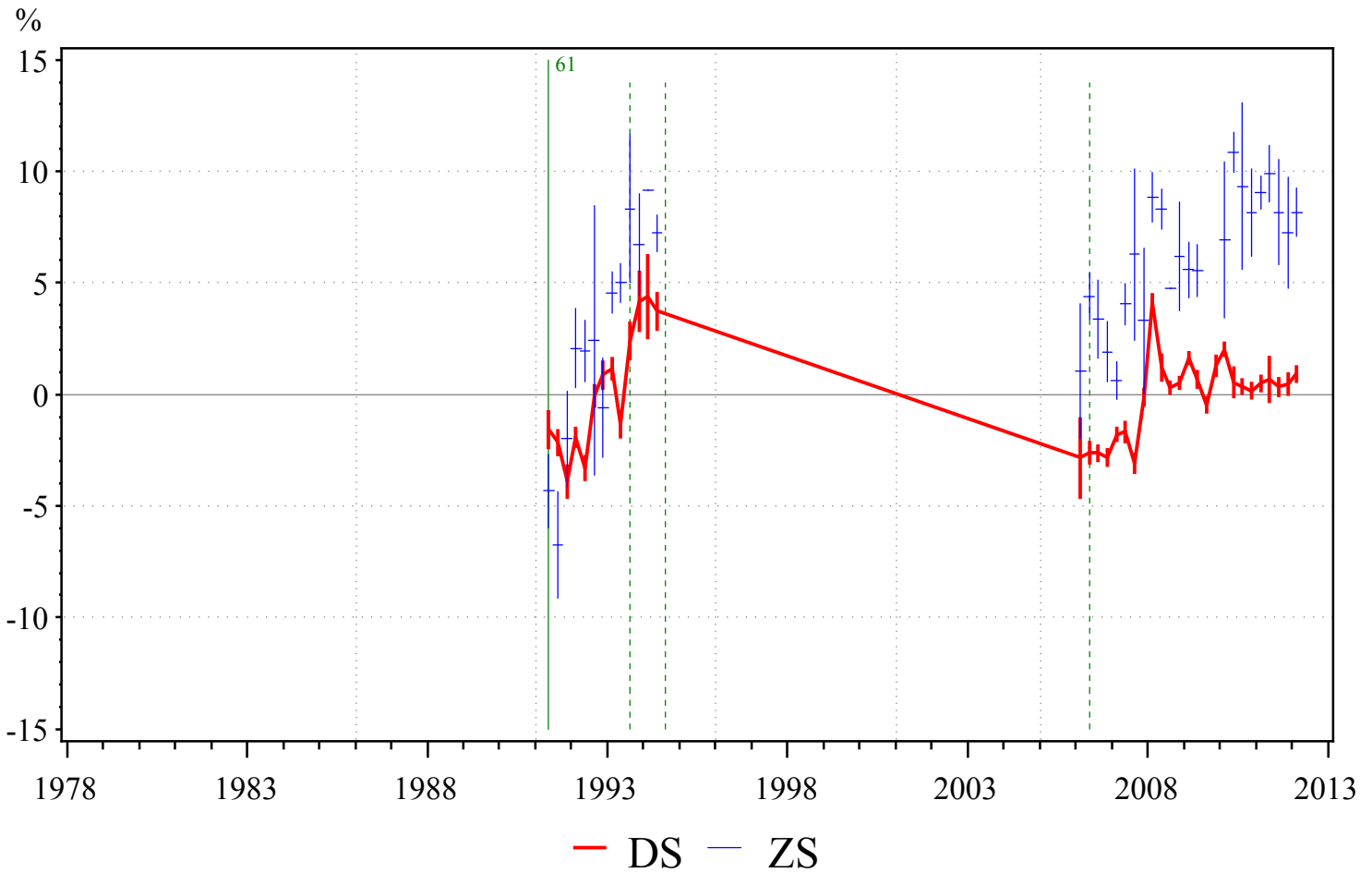
468 CAPE D'AGUILAR, 22N, 114E, Brewer



17:21 Wednesday, October 31, 2012 21

Obs	Direct Sun Statistics	1978-1985	1986-1990	1991-1995	1996-2000	2001-2005	2006-2010	Mean	Range
DS	Number of days	.	.	.	.	685	1243	685	0
	Bias	.	.	.	.	-0.71	-0.18	-0.71	0
	Daily sigma	.	.	.	.	4.83	1.99	4.83	0
	Monthly sigma	.	.	.	.	2.38	0.97	2.38	0
	Seasonal ampl.	.	.	.	.	1.27	0.49	1.27	0
	Annual range	.	.	.	.	2.6	1.12	2.6	0
ZS	Number of days	.	.	.	.	89	253	89	0
	Bias	.	.	.	.	-13.5	5	-13.5	0
	Daily sigma	5.28	4.14	5.28	0
	Monthly sigma	3.3	2.13	3.3	0
	Annual range	3.94	.	.

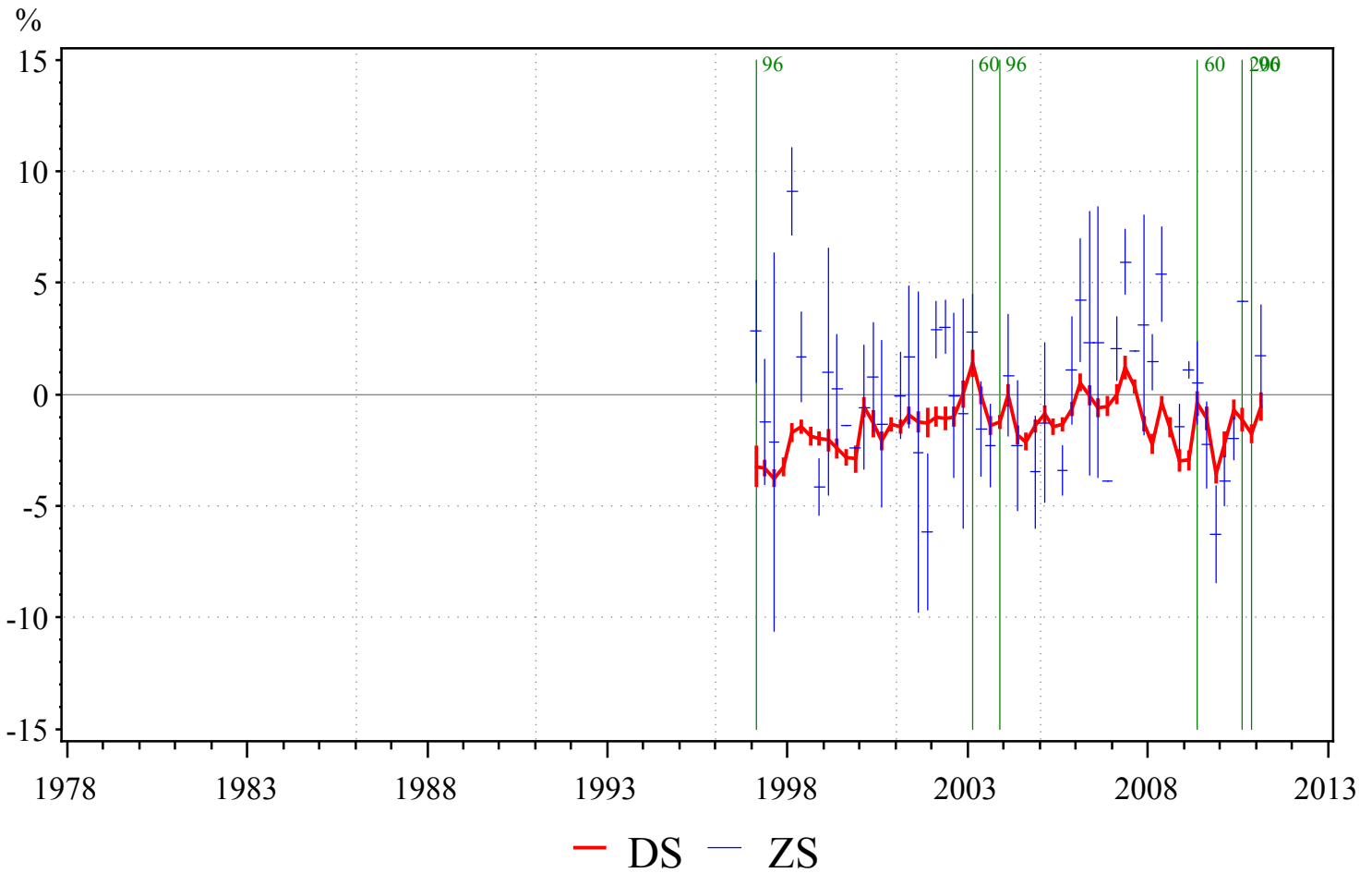
306 CHENGKUNG, 23N, 121E, Brewer



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Obs	Direct Sun Statistics	1978-1985	1986-1990	1991-1995	1996-2000	2001-2005	2006-2010	Mean	Range
DS	Number of days	.	.	613	.	.	1279	613	0
	Bias	.	.	-0.38	.	.	-0.16	-0.38	0
	Daily sigma	.	.	3.86	.	.	2.52	3.86	0
	Monthly sigma	.	.	2.77	.	.	1.97	2.77	0
	Seasonal ampl.	.	.	0.73	.	.	1.24	0.73	0
	Annual range	.	.	3.61	.	.	3.55	3.61	0
ZS	Number of days	.	.	221	.	.	204	221	0
	Bias	.	.	2.56	.	.	6.4	2.56	0
	Daily sigma	.	.	5.67	.	.	4.46	5.67	0
	Monthly sigma	.	.	5.26	.	.	3.91	5.26	0
	Annual range	.	.	8.19	.	.	.	8.19	0

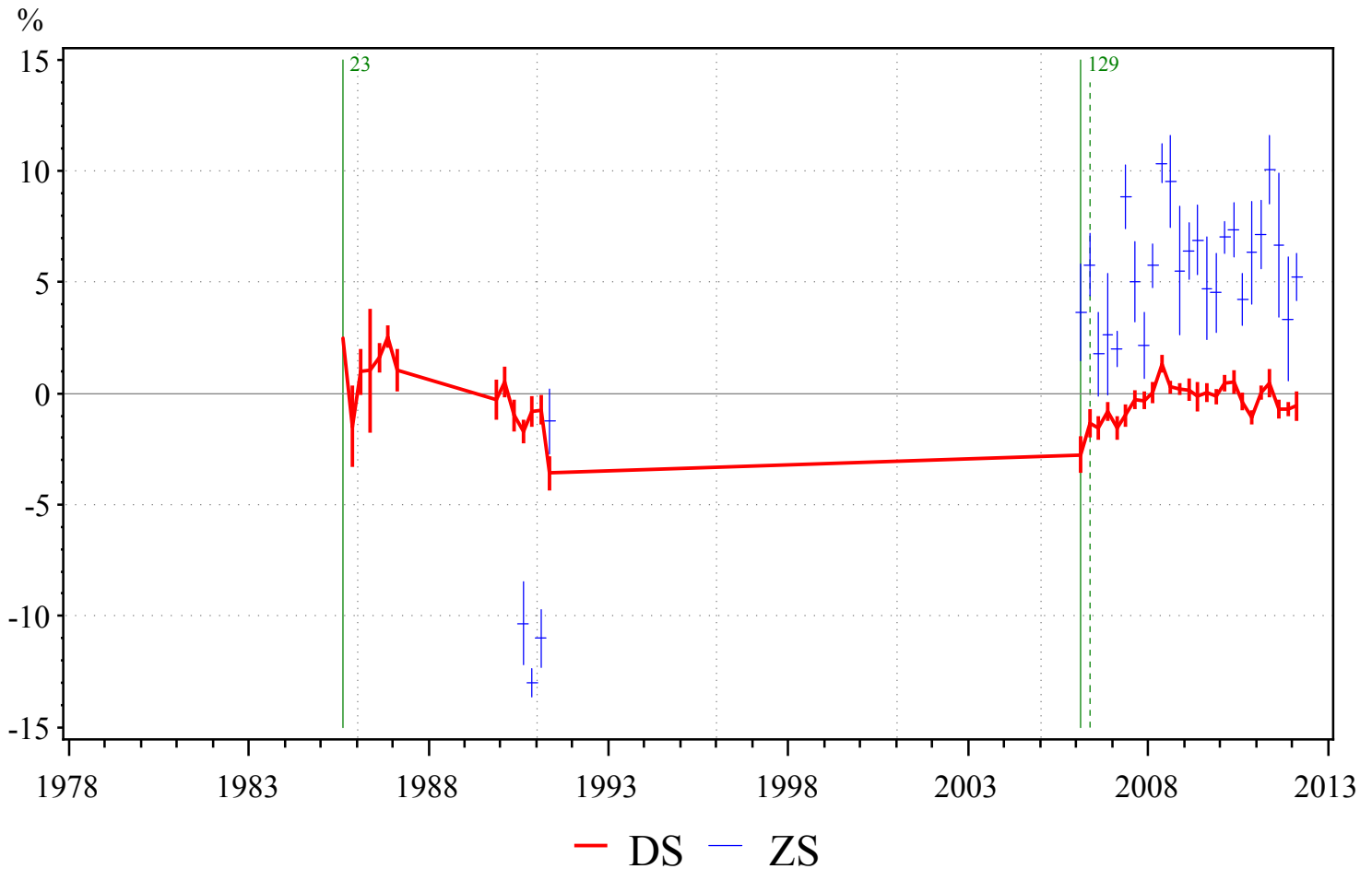
030 MINAMITORISHIMA (MARCUS IS.), 24N, 154E, Brewer



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Obs	Direct Sun Statistics	1978-1985	1986-1990	1991-1995	1996-2000	2001-2005	2006-2010	Mean	Range
DS	Number of days	.	.	.	1196	1604	1554	1400	408
	Bias	.	.	.	-2.13	-0.92	-1.07	-1.52	1.21
	Daily sigma	.	.	.	2.02	2.19	2.35	2.1	0.17
	Monthly sigma	.	.	.	1.08	1.01	1.32	1.05	0.07
	Seasonal ampl.	.	.	.	0.58	0.64	0.93	0.61	0.06
	Annual range	.	.	.	1.8	1.31	1.59	1.55	0.49
ZS	Number of days	.	.	.	64	62	80	63	2
	Bias	.	.	.	0.03	-0.4	-0.11	-0.18	0.42
	Daily sigma	.	.	.	4.08	4.04	4.65	4.06	0.04
	Monthly sigma	.	.	.	0.22	.	.	0.22	0

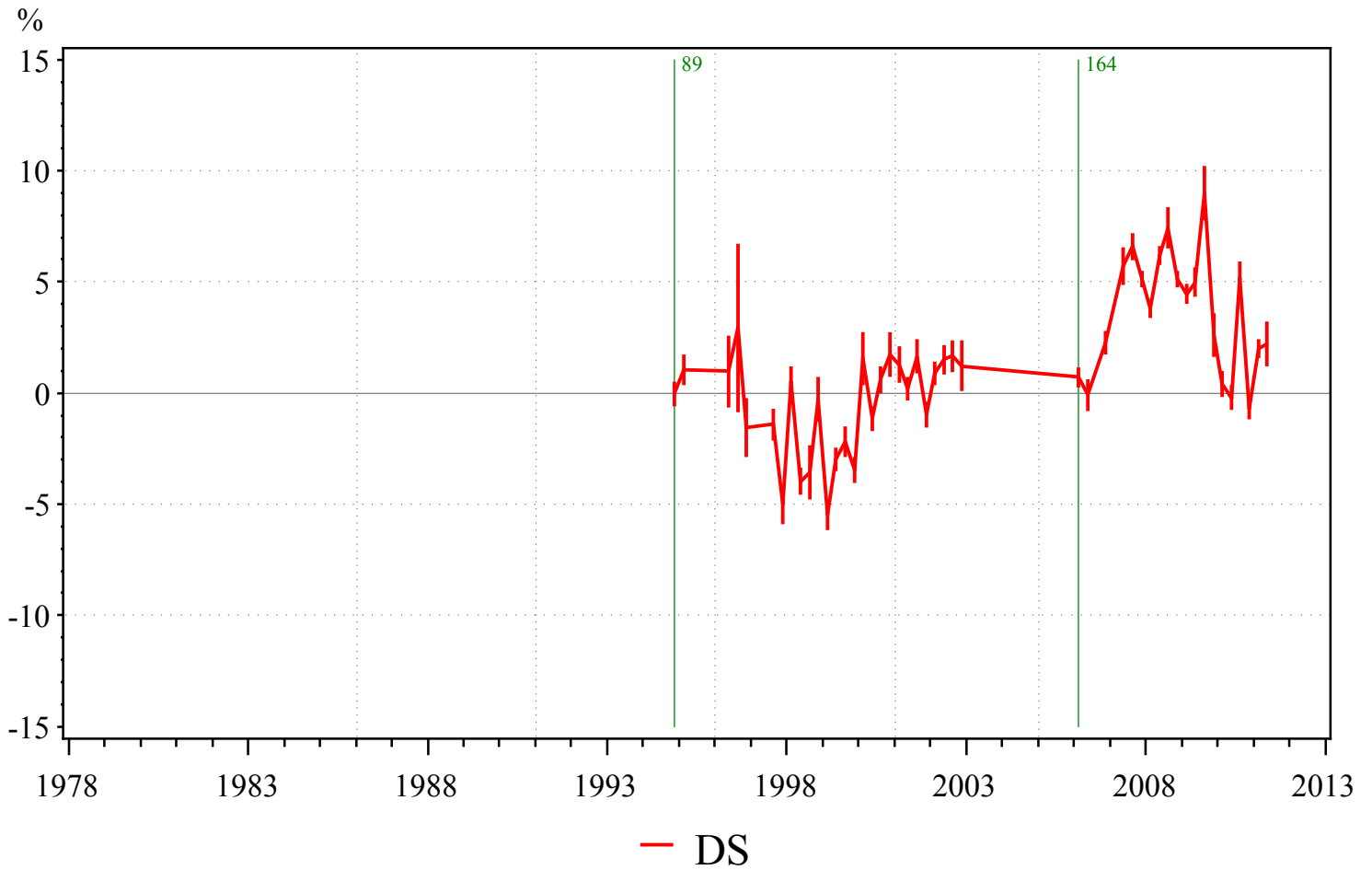
095 TAIPEI, 25N, 121E, Brewer



17:21 Wednesday, October 31, 2012 25

Obs	Direct Sun Statistics	1978-1985	1986-1990	1991-1995	1996-2000	2001-2005	2006-2010	Mean	Range
DS	Number of days	36	512	45	.	.	1313	197.67	476
	Bias	0.23	0.13	-3.32	.	.	-0.26	-0.99	3.55
	Daily sigma	3.32	3.04	2.64	.	.	1.96	3	0.67
	Monthly sigma	1.31	1.61	0.34	.	.	0.98	1.09	1.27
	Seasonal ampl.	.	0.69	.	.	.	0.26	0.69	0
	Annual range	.	2.95	.	.	.	1.92	2.95	0
ZS	Number of days	.	52	29	.	.	296	40.5	23
	Bias	.	-13.23	-2.78	.	.	6.44	-8	10.44
	Daily sigma	.	3.26	4.81	.	.	4.02	4.04	1.55
	Monthly sigma	.	1.48	1.25	.	.	2.81	1.37	0.23
	Annual range	2.21	.	.

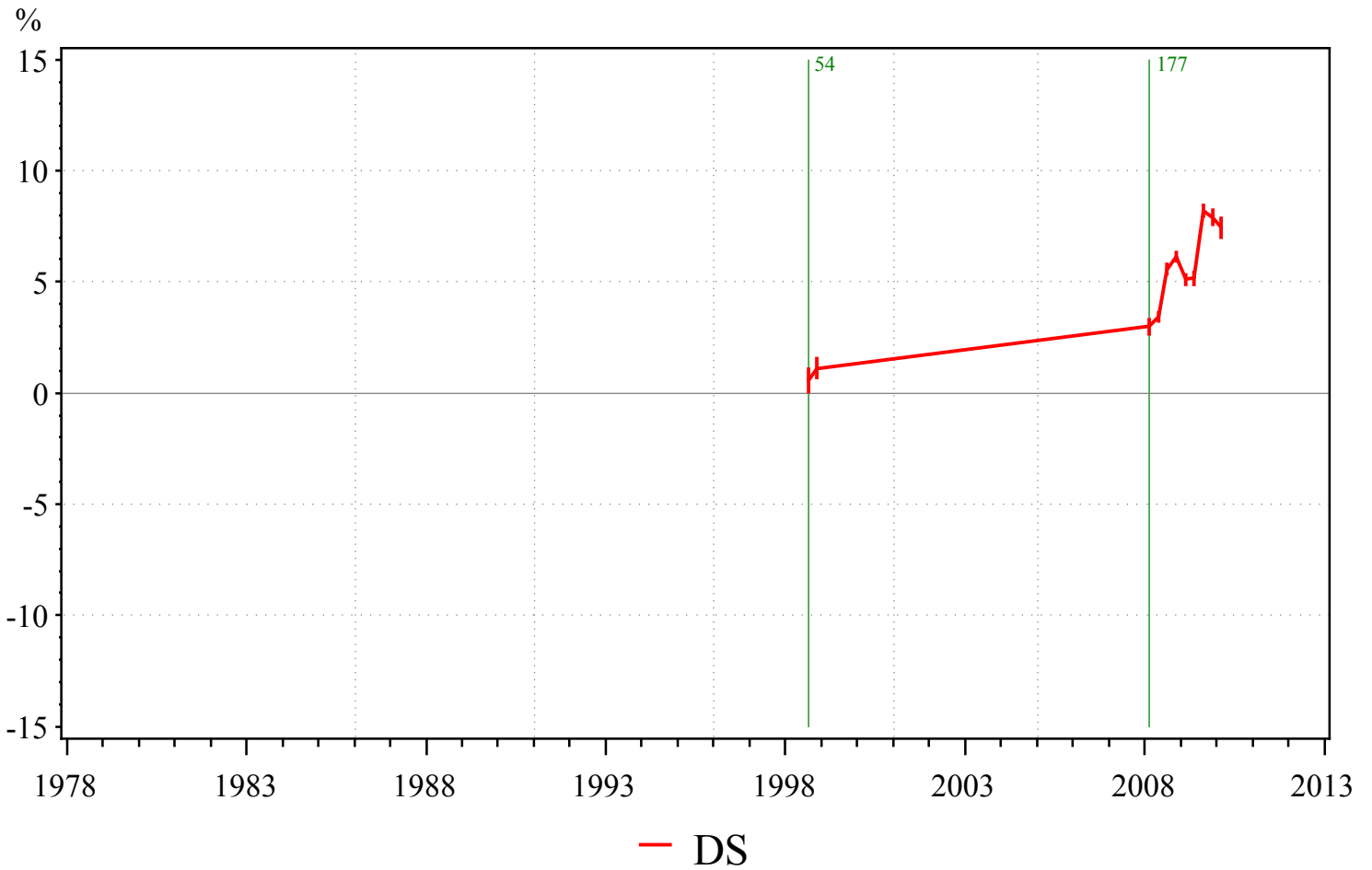
010 NEW DELHI / NEW DELHI SONDE, 28N, 77E, Brewer



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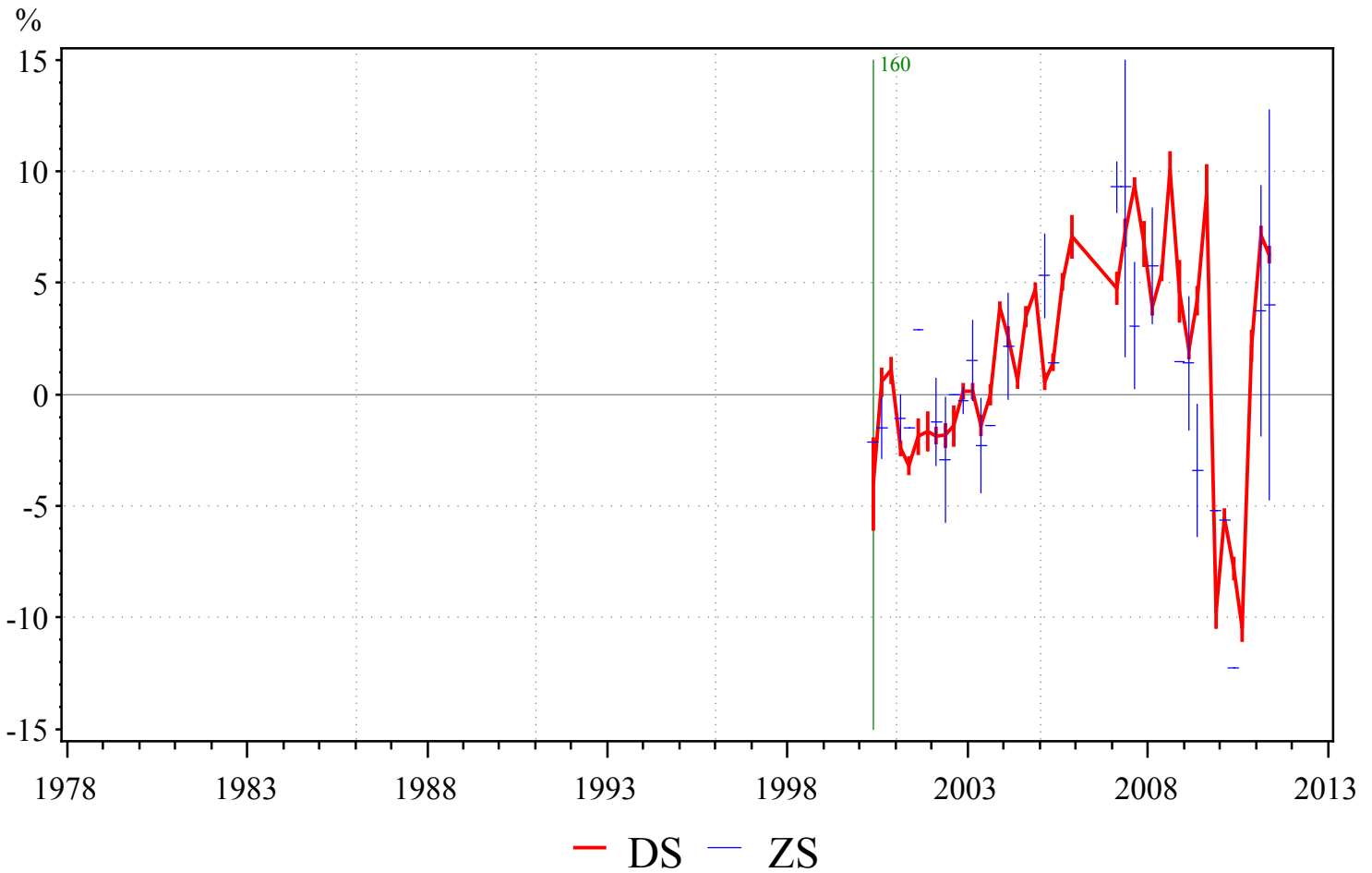
Obs	Direct Sun Statistics	1978-1985	1986-1990	1991-1995	1996-2000	2001-2005	2006-2010	Mean	Range
DS	Number of days	.	.	62	542	328	713	310.67	480
	Bias	.	.	0.28	-1.62	0.68	3.82	-0.22	2.3
	Daily sigma	.	.	1.75	3.19	2.53	3.16	2.49	1.44
	Monthly sigma	.	.	0.56	2.55	1.82	2.74	1.65	1.99
	Seasonal ampl.	.	.	.	0.52	0.83	2.46	0.68	0.31
	Annual range	.	.	.	3.54	1.29	4.7	2.41	2.26

349 LHASA, 30N, 91E, Brewer



Obs	Direct Sun Statistics	1978-1985	1986-1990	1991-1995	1996-2000	2001-2005	2006-2010	Mean	Range
DS	Number of days	.	.	.	100	.	539	100	0
	Bias	.	.	.	0.83	.	6.05	0.83	0
	Daily sigma	.	.	.	2	.	6.49	2	0
	Monthly sigma	.	.	.	1.02	.	4.56	1.02	0
	Seasonal ampl.	0.64	.	.
	Annual range	2.87	.	.

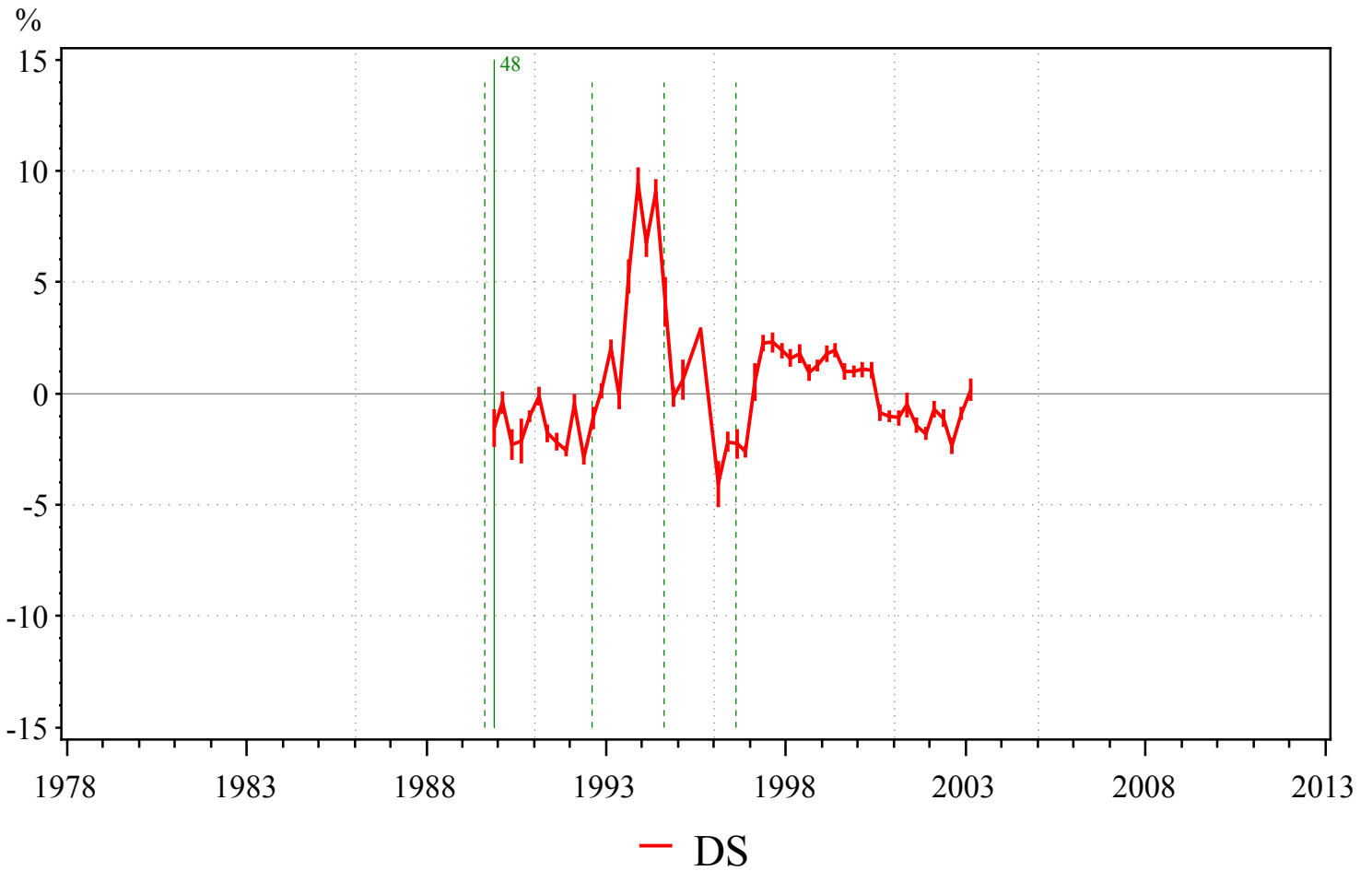
336 ISFAHAN, 32N, 51E, Brewer



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Obs	Direct Sun Statistics	1978-1985	1986-1990	1991-1995	1996-2000	2001-2005	2006-2010	Mean	Range
DS	Number of days	.	.	.	231	1543	1001	887	1312
	Bias	.	.	.	-0.19	0.5	2.24	0.16	0.69
	Daily sigma	.	.	.	3.38	3.64	7.59	3.51	0.26
	Monthly sigma	.	.	.	2.2	2.71	6.99	2.46	0.51
	Seasonal ampl.	.	.	.	.	1.61	1.4	1.61	0
	Annual range	.	.	.	.	5.11	10.84	5.11	0
ZS	Number of days	.	.	.	12	43	36	27.5	31
	Bias	.	.	.	-1.37	1.67	-0.22	0.15	3.04
	Daily sigma	.	.	.	1.39	7.41	9.53	4.4	6.02

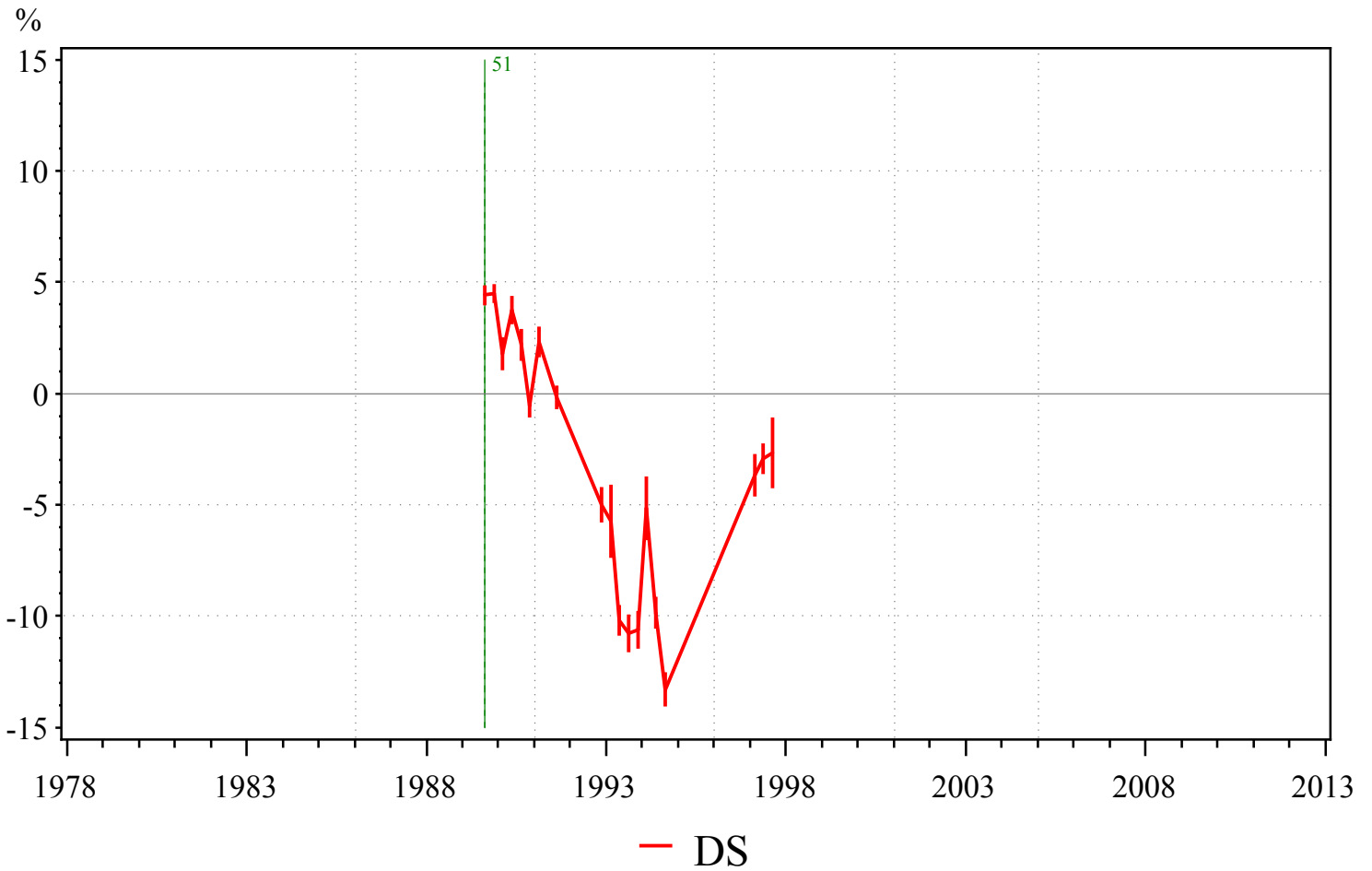
287 FUNCHAL (MADEIRA IS.), 33N, 17W, Brewer



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Obs	Direct Sun Statistics	1978-1985	1986-1990	1991-1995	1996-2000	2001-2005	2006-2010	Mean	Range
DS	Number of days	.	200	995	1382	662	.	809.75	1182
	Bias	.	-0.93	1.2	0.66	-1.15	.	-0.06	2.35
	Daily sigma	.	1.59	4.47	2.2	1.82	.	2.52	2.88
	Monthly sigma	.	0.75	4.15	1.68	0.76	.	1.84	3.4
	Seasonal ampl.	.	.	0.34	0.88	0.7	.	0.64	0.54
	Annual range	.	.	6.51	4.1	0.07	.	3.56	6.44

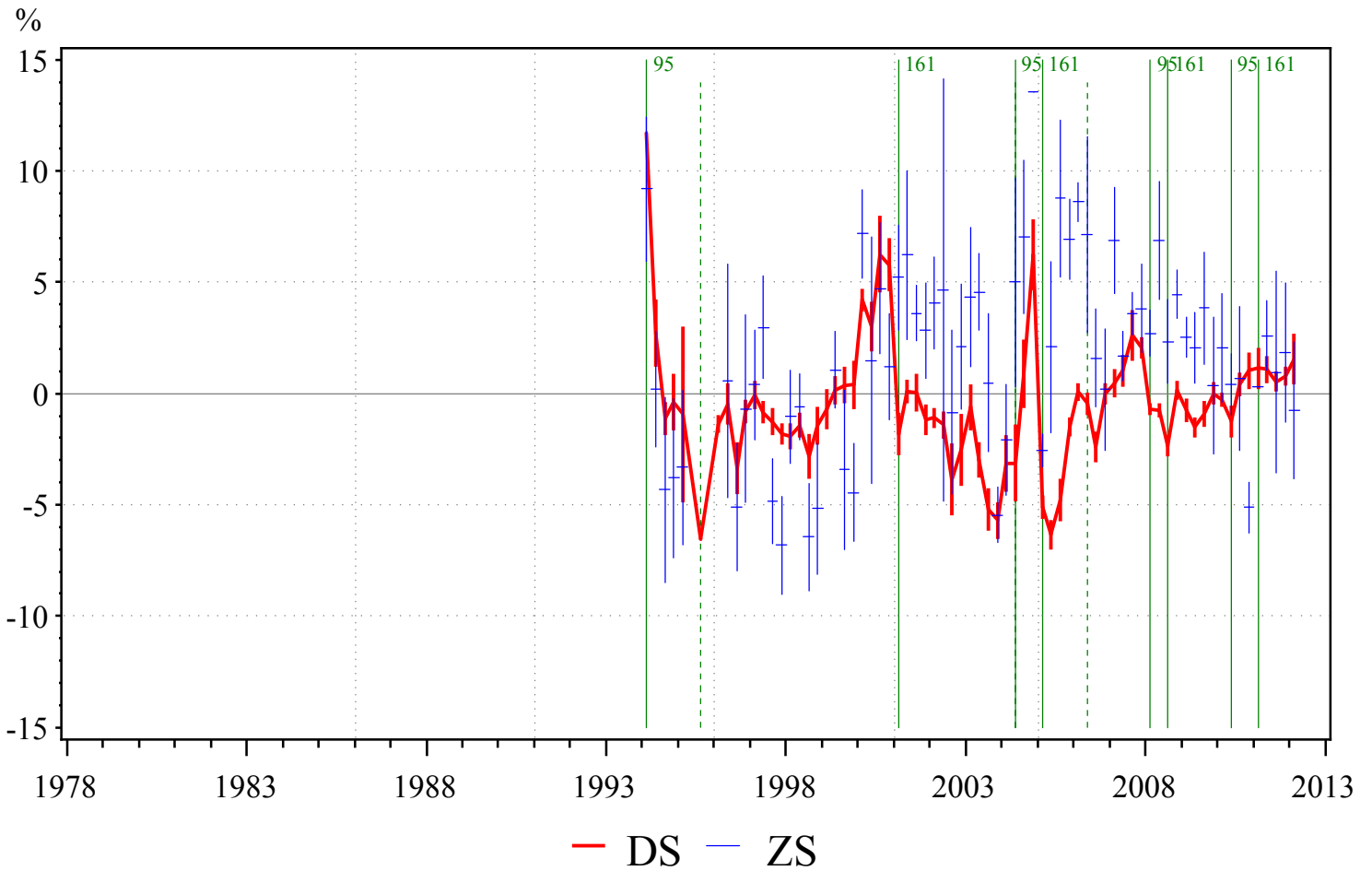
158 CASABLANCA, 34N, 8W, Brewer



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Obs	Direct Sun Statistics	1978-1985	1986-1990	1991-1995	1996-2000	2001-2005	2006-2010	Mean	Range
DS	Number of days	.	267	366	75	.	.	236	291
	Bias	.	2.66	-7.02	-3.7	.	.	-2.69	9.69
	Daily sigma	.	3.11	5.97	4.46	.	.	4.51	2.87
	Monthly sigma	.	1.85	4.92	0.86	.	.	2.54	4.07
	Seasonal ampl.	.	.	2.22	.	.	.	2.22	0
	Annual range	.	2.6	12.04	.	.	.	7.32	9.44

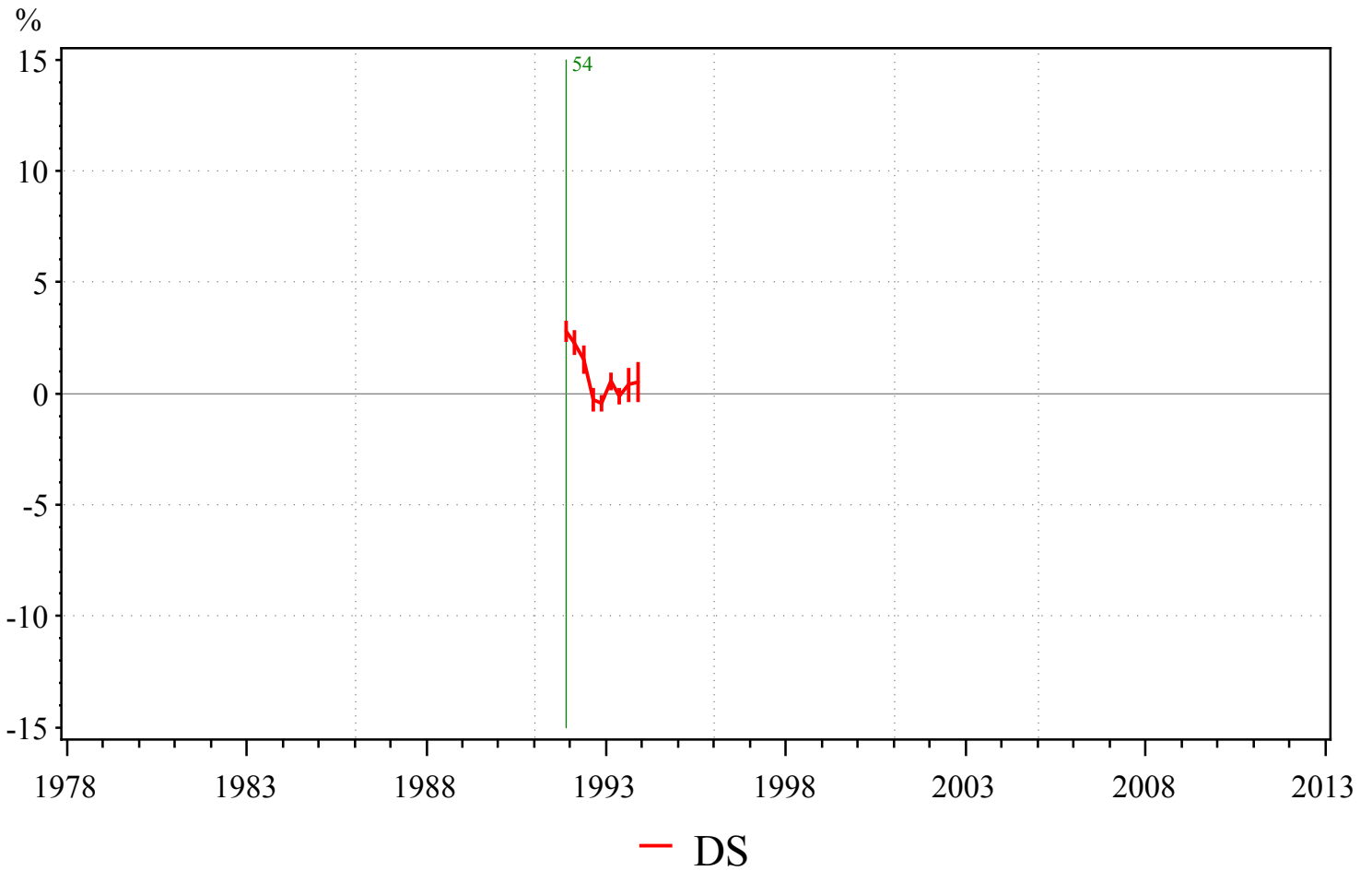
332 POHANG, 36N, 129E, Brewer



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Obs	Direct Sun Statistics	1978-1985	1986-1990	1991-1995	1996-2000	2001-2005	2006-2010	Mean	Range
DS	Number of days	.	.	131	1105	1323	1344	853	1192
	Bias	.	.	2.3	0.34	-1.31	-0.31	0.44	3.62
	Daily sigma	.	.	8.76	4.76	6.59	2.9	6.71	4
	Monthly sigma	.	.	6.85	3.29	4.95	1.51	5.03	3.56
	Seasonal ampl.	.	.	.	0.68	2.32	0.65	1.5	1.63
	Annual range	.	.	.	7.07	7.74	1.43	7.4	0.66
ZS	Number of days	.	.	48	237	307	347	197.33	259
	Bias	.	.	0.62	-1.31	3.24	2.07	0.85	4.55
	Daily sigma	.	.	9.28	7.03	8.49	5.45	8.27	2.25
	Monthly sigma	.	.	4.76	5.86	4.86	3.24	5.16	1.11
	Seasonal ampl.	1.82	1.81	1.82	0
	Annual range	6.98	.	.

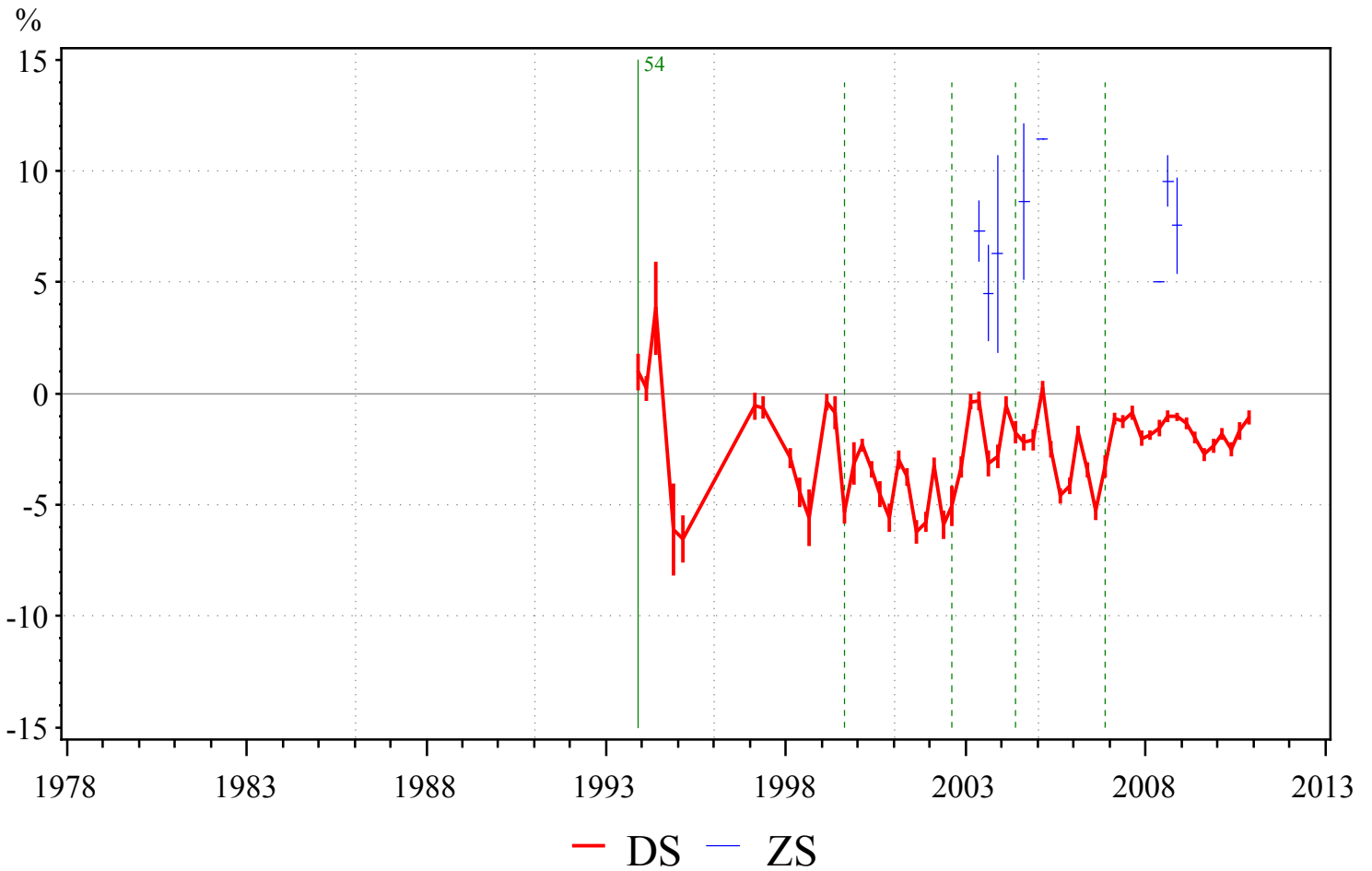
304 GONGHE, 36N, 101E, Brewer



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Obs	Direct Sun Statistics	1978-1985	1986-1990	1991-1995	1996-2000	2001-2005	2006-2010	Mean	Range
DS	Number of days	.	.	474	.	.	.	474	0
	Bias	.	.	0.73	.	.	.	0.73	0
	Daily sigma	.	.	2.21	.	.	.	2.21	0
	Monthly sigma	.	.	1.27	.	.	.	1.27	0
	Seasonal ampl.	.	.	0.65	.	.	.	0.65	0
	Annual range	.	.	2.35	.	.	.	2.35	0

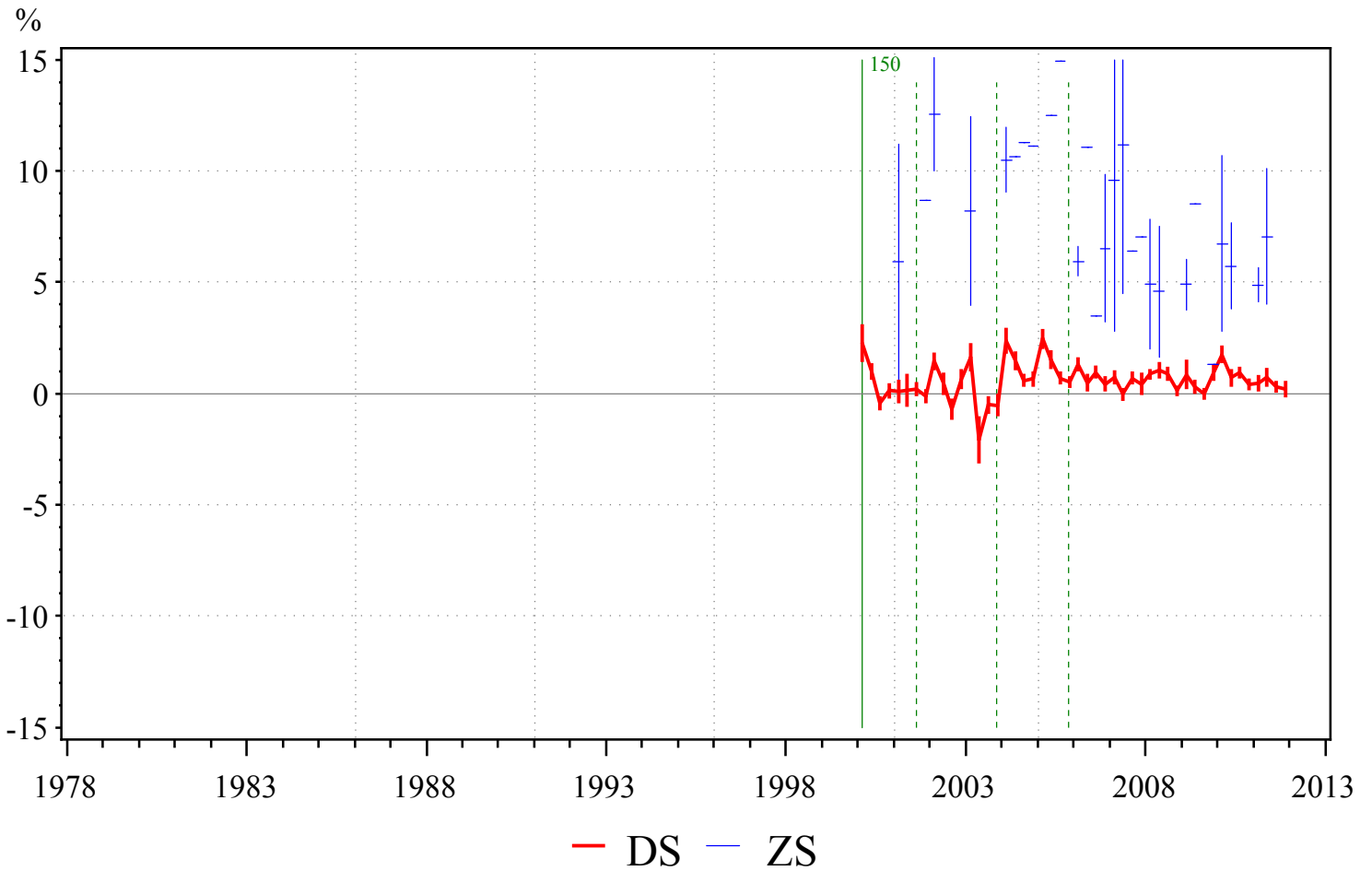
295 MT. WALIGUAN, 36N, 101E, Brewer



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Obs	Direct Sun Statistics	1978-1985	1986-1990	1991-1995	1996-2000	2001-2005	2006-2010	Mean	Range
DS	Number of days	.	.	105	839	1452	1533	798.67	1347
	Bias	.	.	0.1	-3.2	-2.86	-2.03	-1.99	3.3
	Daily sigma	.	.	5.27	3	2.71	1.84	3.66	2.56
	Monthly sigma	.	.	5.66	2.05	1.98	1.24	3.23	3.68
	Seasonal ampl.	.	.	.	1.62	1.89	0.5	1.75	0.27
	Annual range	.	.	.	2.94	3.3	2.09	3.12	0.36
ZS	Number of days	.	.	.	.	13	11	13	0
	Bias	6.96	8.23	6.96	0
	Daily sigma	3.33	2.26	3.33	0

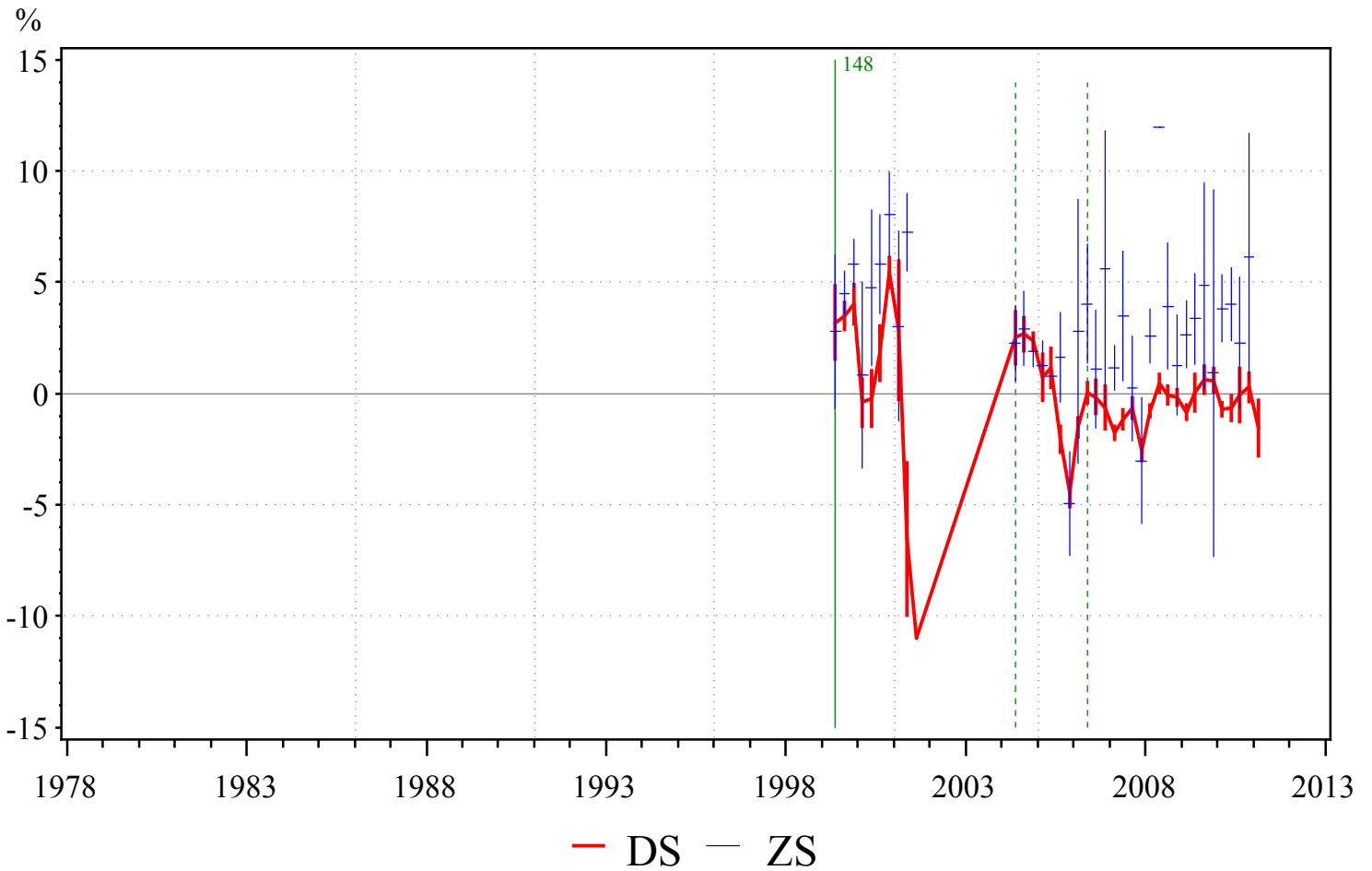
213 EL ARENOSILLO, 37N, 7W, Brewer



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Obs	Direct Sun Statistics	1978-1985	1986-1990	1991-1995	1996-2000	2001-2005	2006-2010	Mean	Range
DS	Number of days	.	.	.	338	1524	1608	931	1186
	Bias	.	.	.	0.39	0.67	0.64	0.53	0.29
	Daily sigma	.	.	.	1.94	2.13	1.6	2.04	0.19
	Monthly sigma	.	.	.	0.96	1.1	0.58	1.03	0.14
	Seasonal ampl.	.	.	.	0.87	1.03	0.14	0.95	0.17
	Annual range	.	.	.	.	1.29	0.32	1.29	0
ZS	Number of days	23	46	23	0
	Bias	10.38	6	10.38	0
	Daily sigma	3.97	3.02	3.97	0

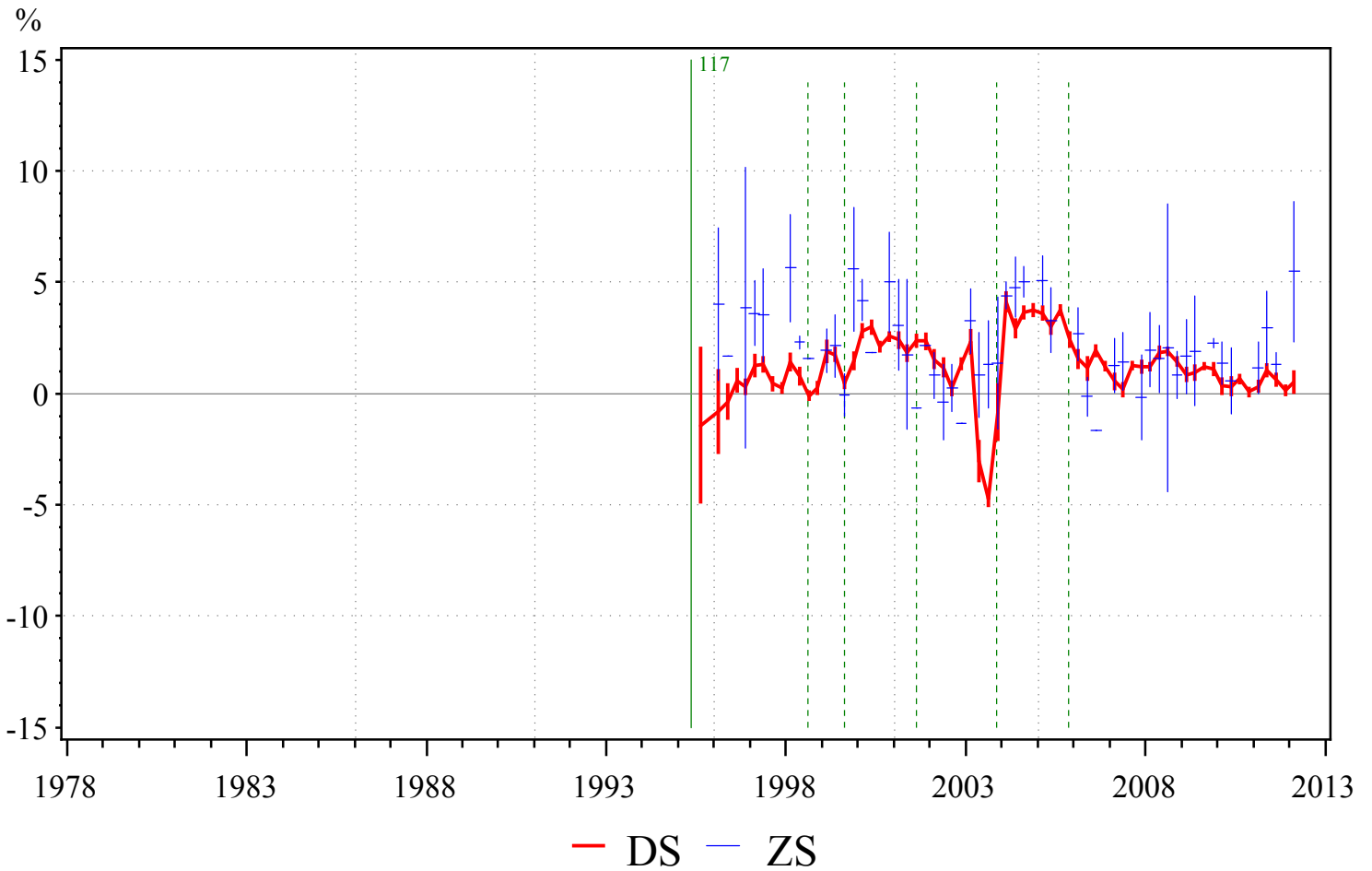
252 SEOUL, 38N, 127E, Brewer



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Obs	Direct Sun Statistics	1978-1985	1986-1990	1991-1995	1996-2000	2001-2005	2006-2010	Mean	Range
DS	Number of days	.	.	.	326	338	1163	332	12
	Bias	.	.	.	1.91	-9.4	-0.6	-3.74	11.31
	Daily sigma	.	.	.	5.05	15.69	3.71	10.37	10.64
	Monthly sigma	.	.	.	2.87	12.92	1.14	7.89	10.05
	Seasonal ampl.	.	.	.	3.1	3.28	0.49	3.19	0.18
	Annual range	.	.	.	2.17	30.97	1.44	16.57	28.8
ZS	Number of days	.	.	.	160	186	159	173	26
	Bias	.	.	.	5.25	0.54	1.37	2.89	4.71
	Daily sigma	.	.	.	5.93	7.27	10.13	6.6	1.35
	Monthly sigma	.	.	.	1.77	2.2	4.11	1.99	0.43

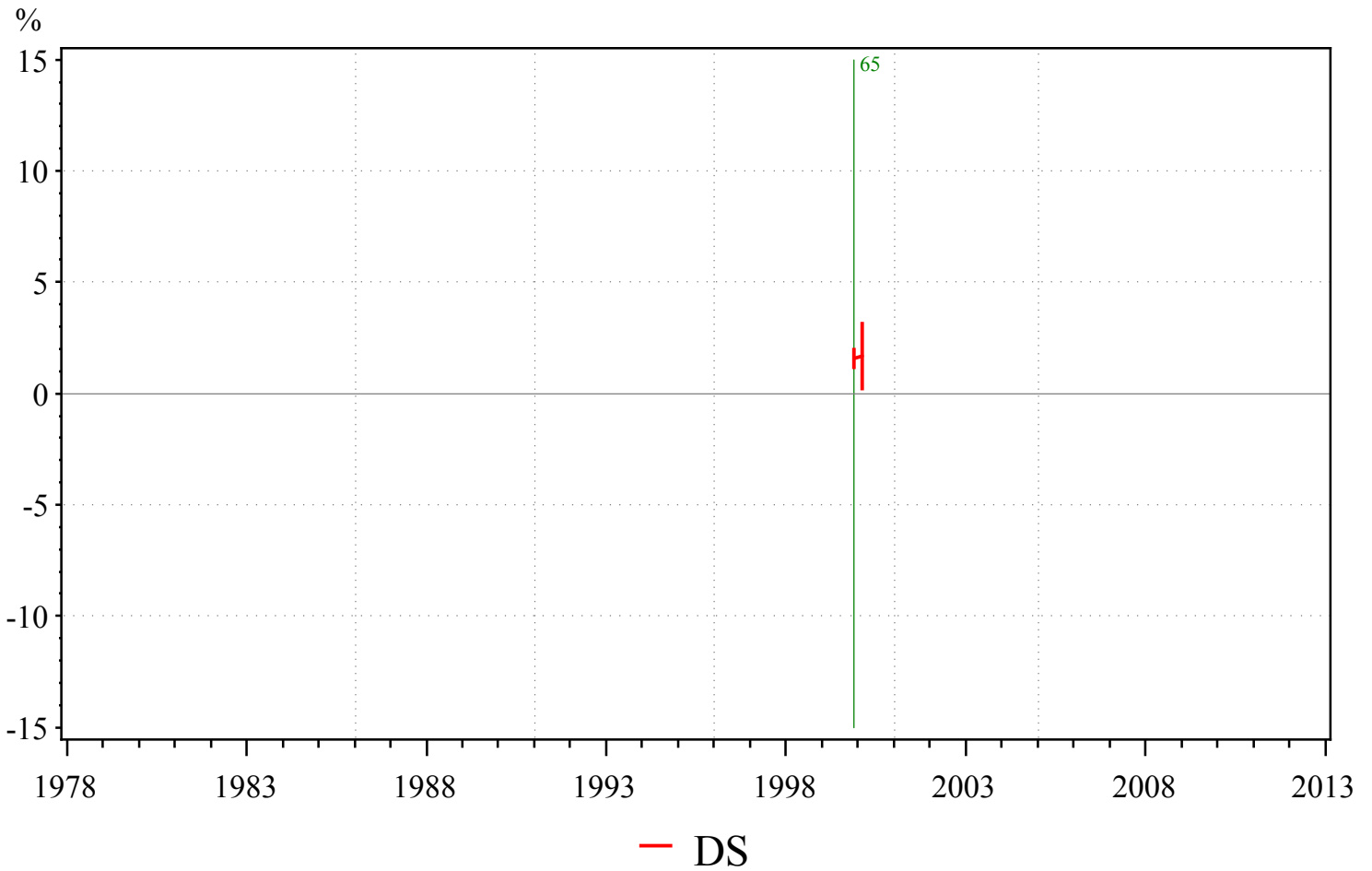
346 MURCIA, 38N, 1W, Brewer



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Obs	Direct Sun Statistics	1978-1985	1986-1990	1991-1995	1996-2000	2001-2005	2006-2010	Mean	Range
DS	Number of days	.	.	.	1488	1560	1647	1524	72
	Bias	.	.	.	1.26	1.84	1	1.55	0.57
	Daily sigma	.	.	.	1.89	3.05	1.54	2.47	1.16
	Monthly sigma	.	.	.	1.09	2.53	0.65	1.81	1.44
	Seasonal ampl.	.	.	.	0.64	0.82	0.41	0.73	0.18
	Annual range	.	.	.	1.98	4.69	1.29	3.34	2.71
ZS	Number of days	.	.	.	56	81	81	68.5	25
	Bias	.	.	.	3.44	2.58	1.28	3.01	0.87
	Daily sigma	.	.	.	2.3	2.6	2.02	2.45	0.31

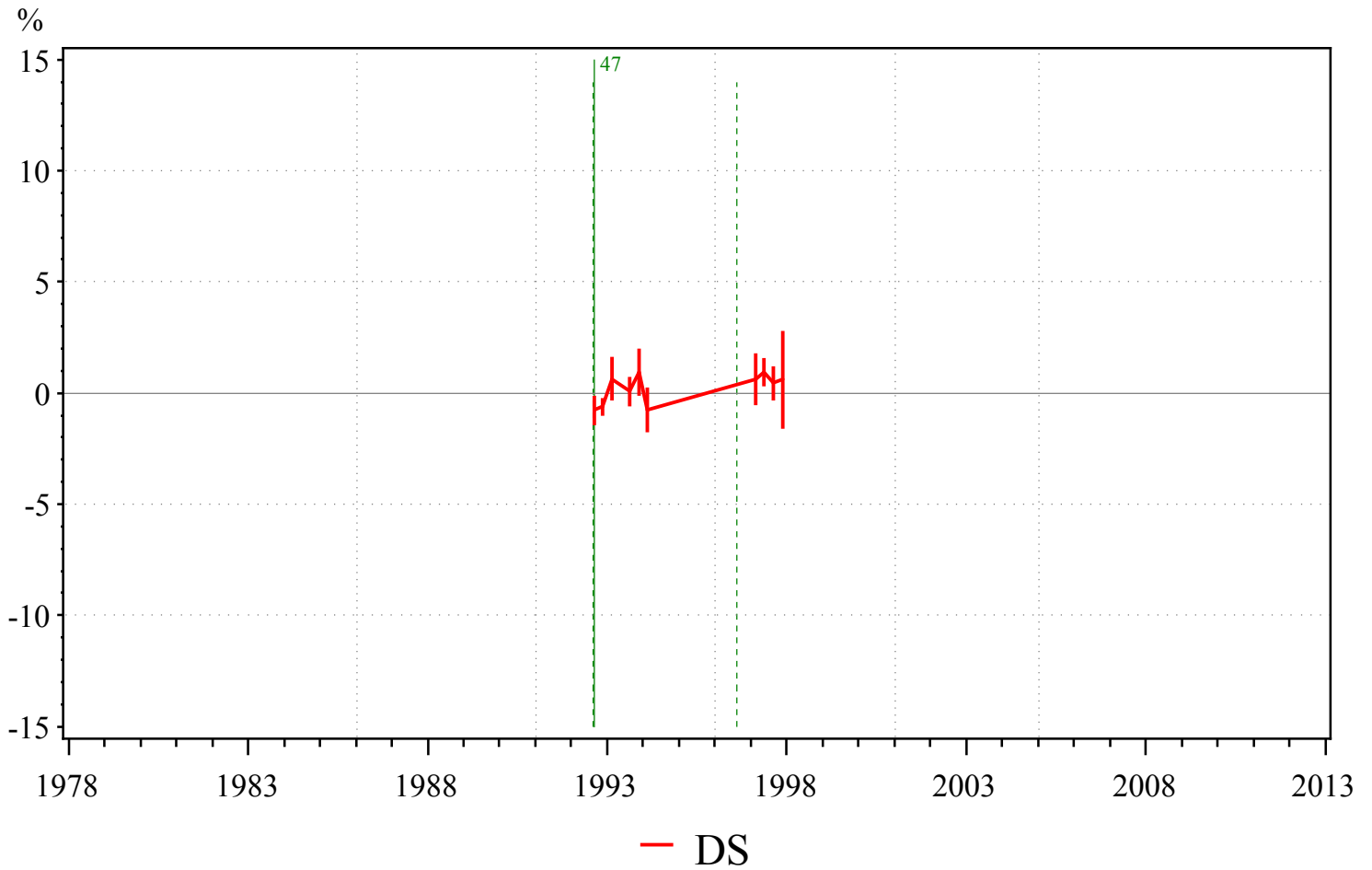
045 MESSINA, 38N, 16E, Brewer



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Obs	Direct Sun Statistics	1978-1985	1986-1990	1991-1995	1996-2000	2001-2005	2006-2010	Mean	Range
DS	Number of days	.	.	.	142	.	.	142	0
	Bias	.	.	.	1.49	.	.	1.49	0
	Daily sigma	.	.	.	3.99	.	.	3.99	0
	Monthly sigma	.	.	.	0.29	.	.	0.29	0

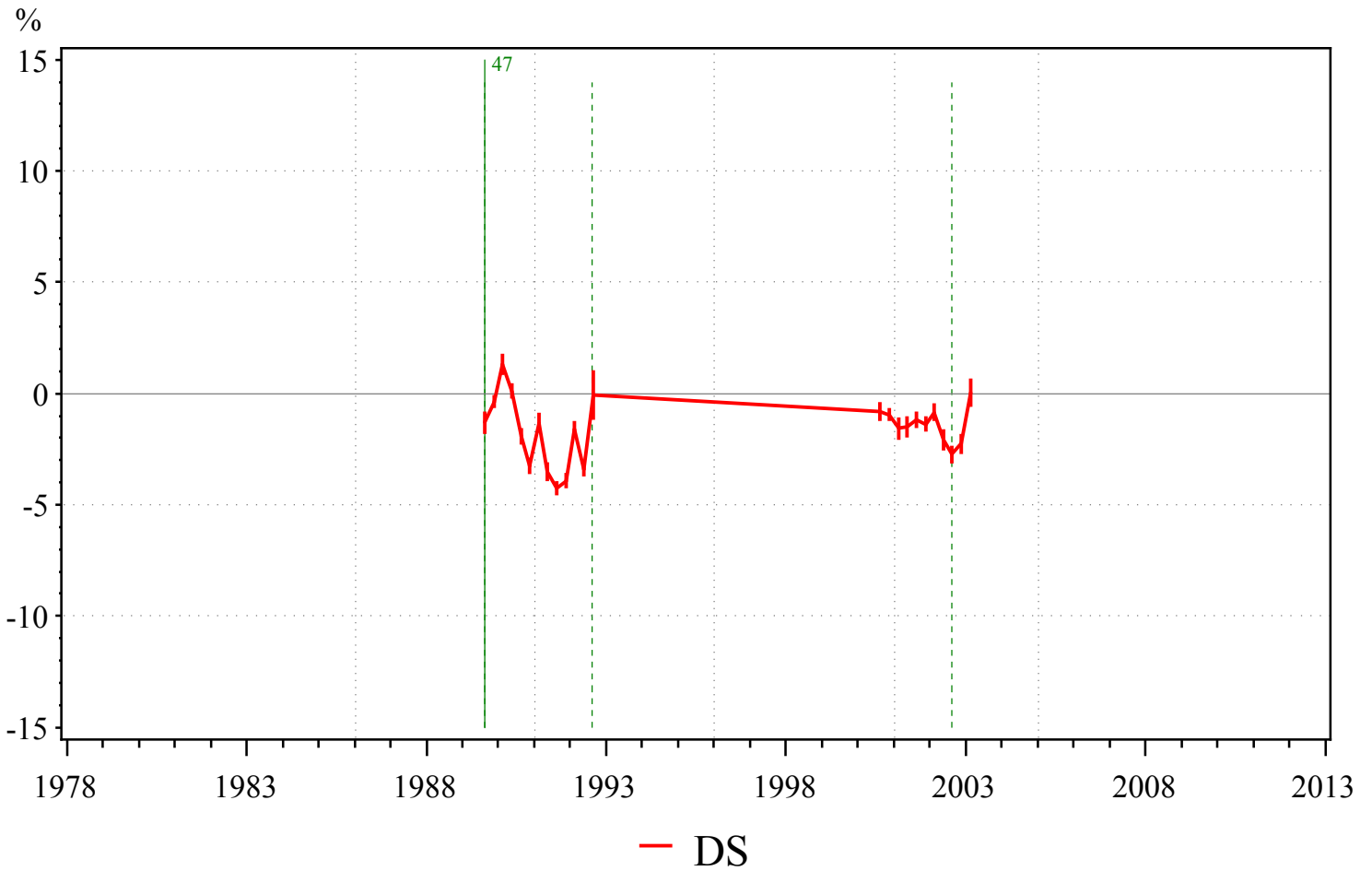
327 ANGRA DO HEROISMO (TERCEICA I), 39N, 27W, Brewer



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Obs	Direct Sun Statistics	1978-1985	1986-1990	1991-1995	1996-2000	2001-2005	2006-2010	Mean	Range
DS	Number of days	.	.	183	116	.	.	149.5	67
	Bias	.	.	-0.18	0.66	.	.	0.24	0.84
	Daily sigma	.	.	2.03	2.41	.	.	2.22	0.38
	Monthly sigma	.	.	0.96	0.85	.	.	0.91	0.1
	Annual range	.	.	0.89	.	.	.	0.89	0

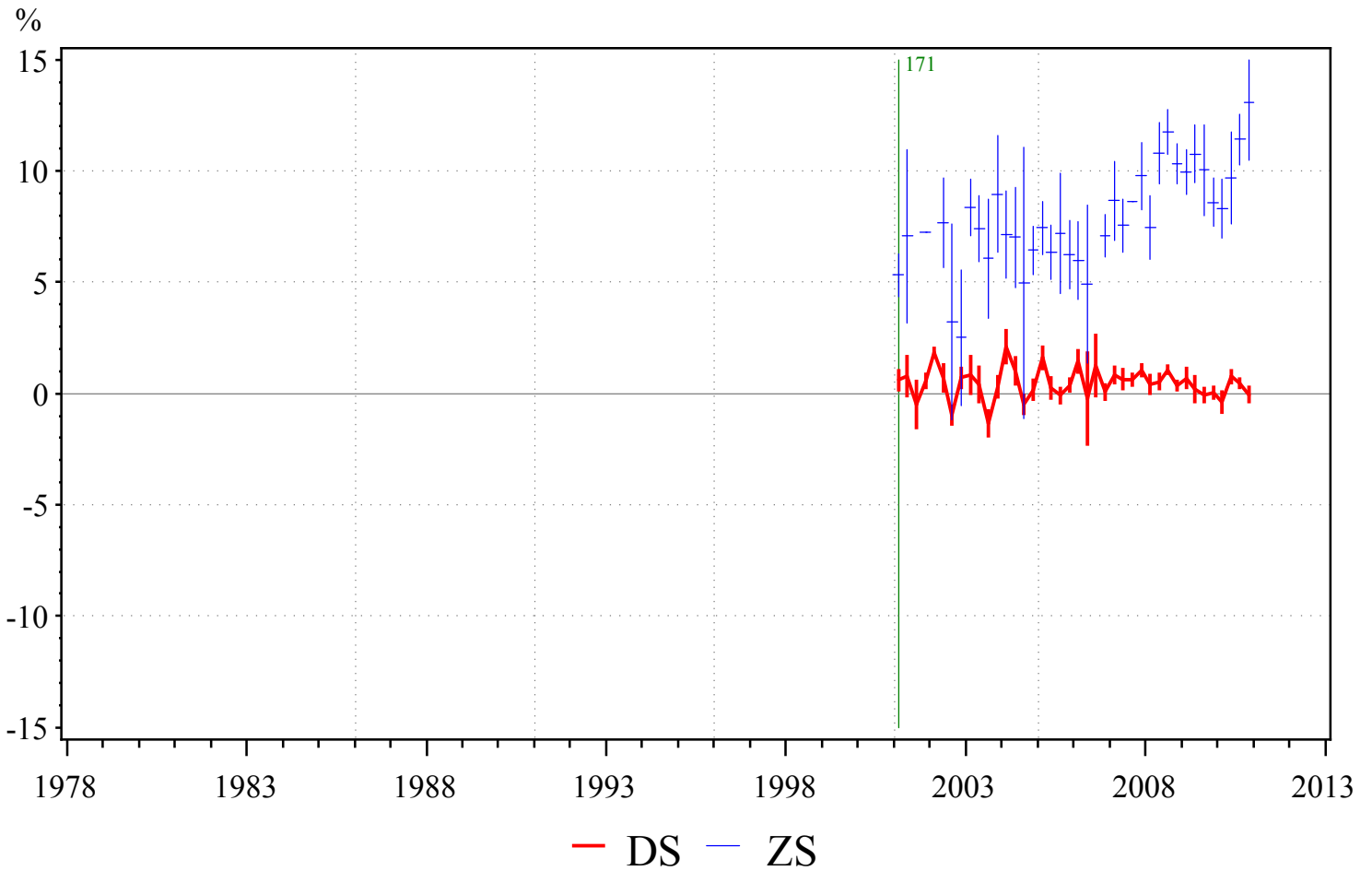
082 LISBON, 39N, 9W, Brewer



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Obs	Direct Sun Statistics	1978-1985	1986-1990	1991-1995	1996-2000	2001-2005	2006-2010	Mean	Range
DS	Number of days	.	414	344	190	651	.	399.75	461
	Bias	.	-1.1	-3.1	-1.07	-1.58	.	-1.71	2.03
	Daily sigma	.	2.01	2.11	1.76	2.02	.	1.97	0.35
	Monthly sigma	.	1.52	1.76	0.46	0.93	.	1.17	1.31
	Seasonal ampl.	.	1.74	0.77	.	0.65	.	1.05	1.09
	Annual range	.	1.14	1.55	.	0.58	.	1.09	0.97

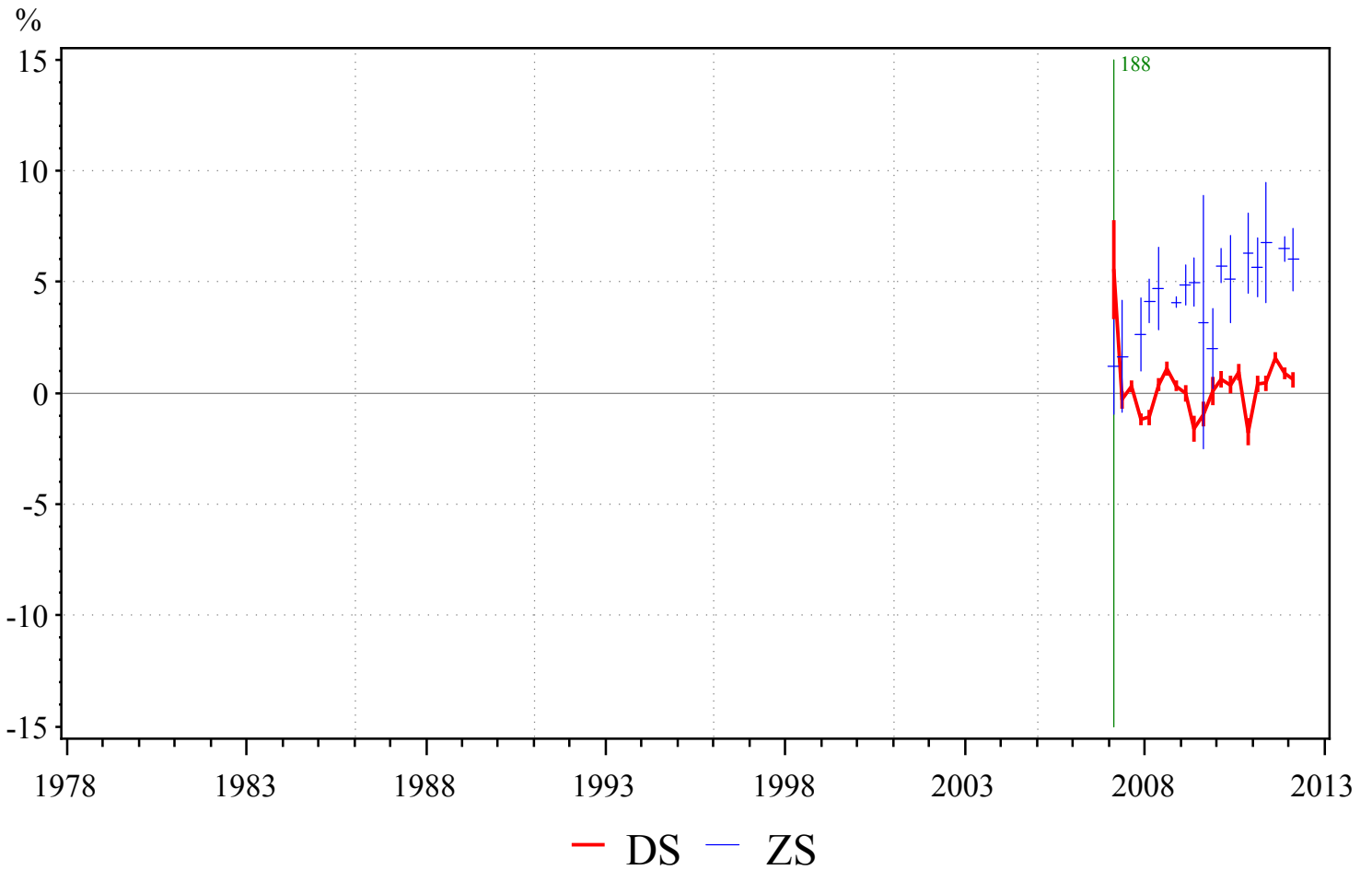
447 GODDARD, 39N, 77W, Brewer



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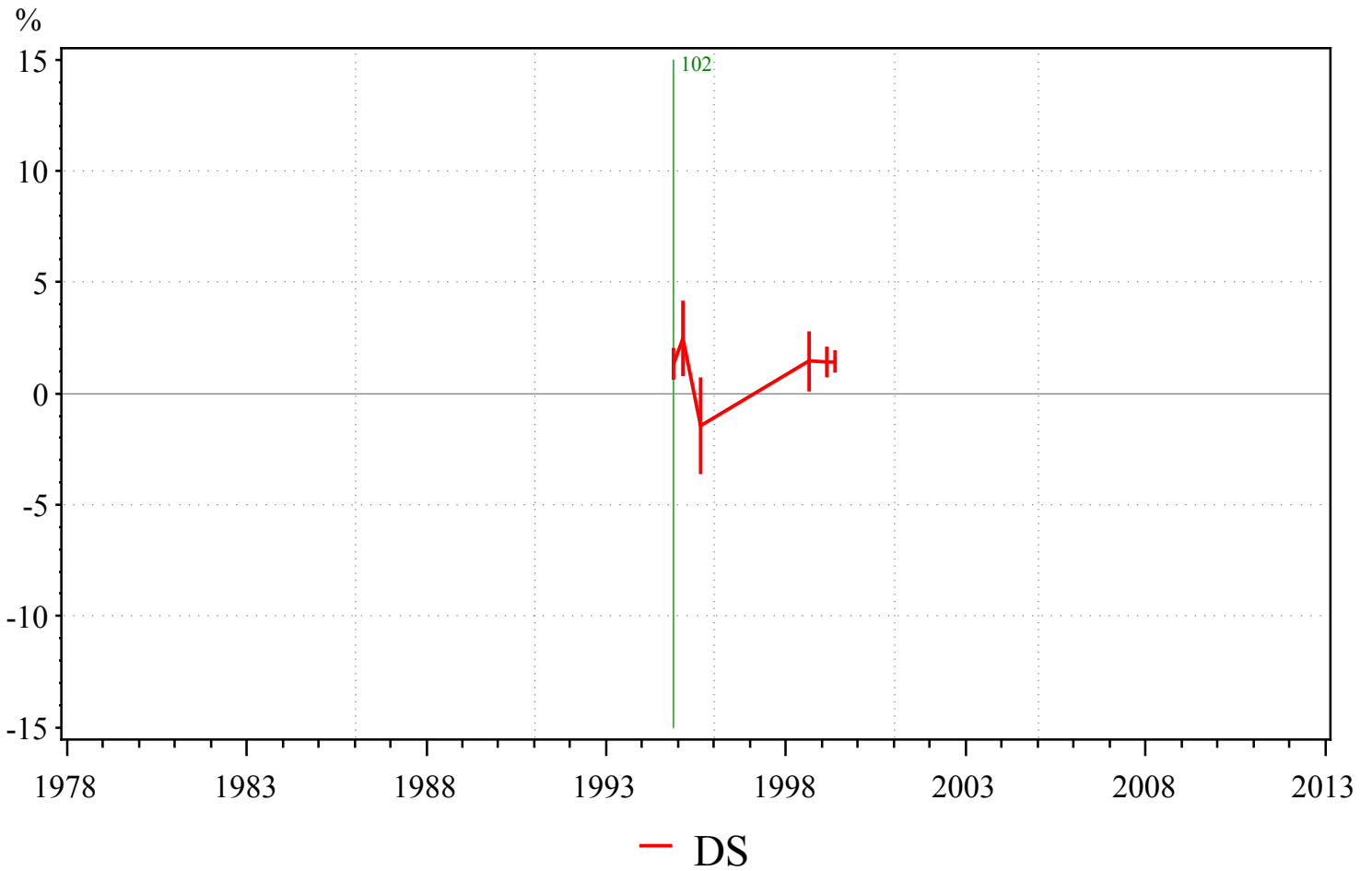
Obs	Direct Sun Statistics	1978-1985	1986-1990	1991-1995	1996-2000	2001-2005	2006-2010	Mean	Range
DS	Number of days	.	.	.	40	1108	1237	574	1068
	Bias	.	.	.	0.45	0.36	0.5	0.41	0.09
	Daily sigma	.	.	.	1.97	2.3	2	2.14	0.33
	Monthly sigma	.	.	.	0.37	1.04	0.72	0.71	0.67
	Seasonal ampl.	.	.	.	.	1	0.22	1	0
	Annual range	.	.	.	.	0.49	1	0.49	0
ZS	Number of days	.	.	.	.	193	180	193	0
	Bias	.	.	.	.	7.13	9.54	7.13	0
	Daily sigma	.	.	.	.	4.01	3.58	4.01	0
	Monthly sigma	.	.	.	.	1.06	2.05	1.06	0

348 ANKARA, 40N, 33E, Brewer



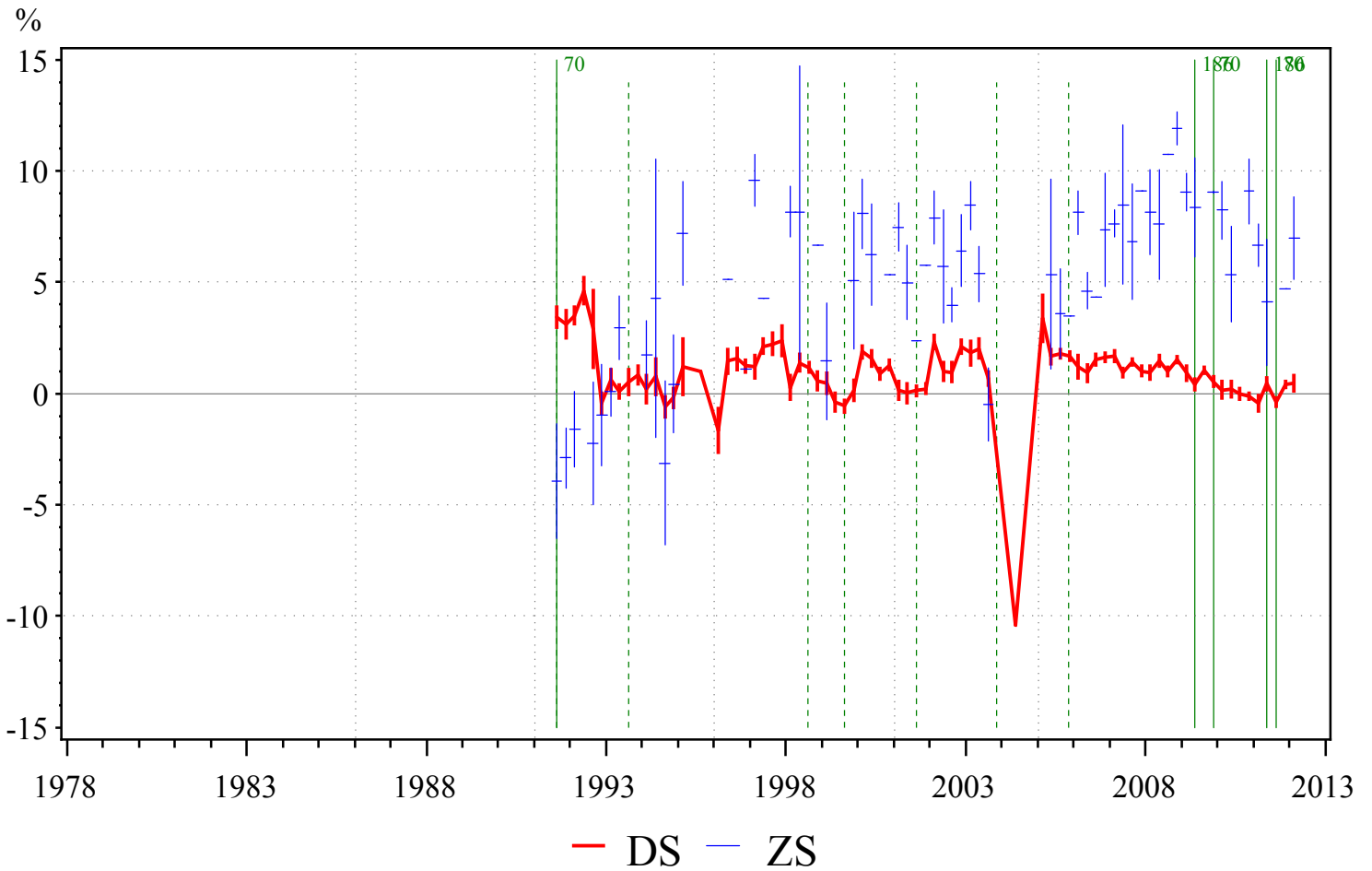
Obs	Direct Sun Statistics	1978-1985	1986-1990	1991-1995	1996-2000	2001-2005	2006-2010	Mean	Range
DS	Number of days	.	.	.	.	.	1340	.	.
	Bias	.	.	.	.	.	0.2	.	.
	Daily sigma	.	.	.	.	.	3.1	.	.
	Monthly sigma	.	.	.	.	.	3.08	.	.
	Seasonal ampl.	.	.	.	.	.	0.52	.	.
	Annual range	.	.	.	.	.	0.99	.	.
ZS	Number of days	.	.	.	.	.	124	.	.
	Bias	.	.	.	.	.	4.55	.	.
	Daily sigma	.	.	.	.	.	2.48	.	.
	Monthly sigma	.	.	.	.	.	1.19	.	.

288 PENHAS DOURADAS, 40N, 8W, Brewer



Obs	Direct Sun Statistics	1978-1985	1986-1990	1991-1995	1996-2000	2001-2005	2006-2010	Mean	Range
DS	Number of days	.	.	20	127	.	.	73.5	107
	Bias	.	.	1.48	1.26	.	.	1.37	0.22
	Daily sigma	.	.	2.44	2.98	.	.	2.71	0.55
	Monthly sigma	.	.	0.8	0.82	.	.	0.81	0.02

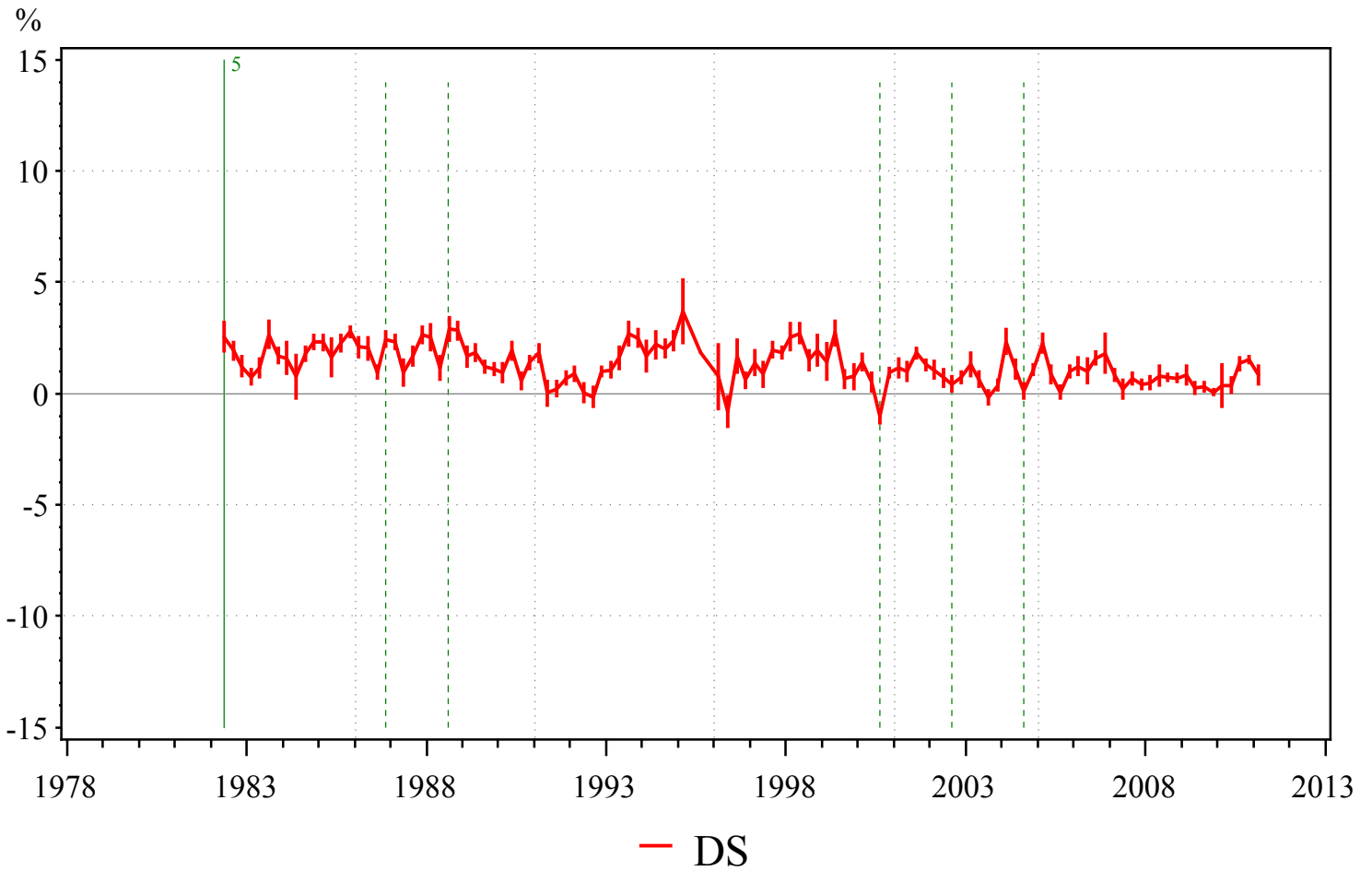
308 MADRID / BARAJAS, 40N, 4W, Brewer



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Obs	Direct Sun Statistics	1978-1985	1986-1990	1991-1995	1996-2000	2001-2005	2006-2010	Mean	Range
DS	Number of days	.	.	654	1428	1148	1874	1076.67	774
	Bias	.	.	1.15	1	1.24	0.74	1.13	0.25
	Daily sigma	.	.	2.58	2.07	2.11	1.84	2.25	0.51
	Monthly sigma	.	.	1.56	1.09	0.97	0.83	1.21	0.59
	Seasonal ampl.	.	.	0.13	0.09	0.45	0.32	0.23	0.37
	Annual range	.	.	3.19	1.68	1.25	1.7	2.04	1.93
ZS	Number of days	.	.	90	79	101	142	90	22
	Bias	.	.	0.03	7.67	6.69	7.39	4.8	7.64
	Daily sigma	.	.	5.5	3.07	2.96	4.41	3.85	2.54
	Monthly sigma	.	.	2.35	0.9	1.8	1.27	1.68	1.45

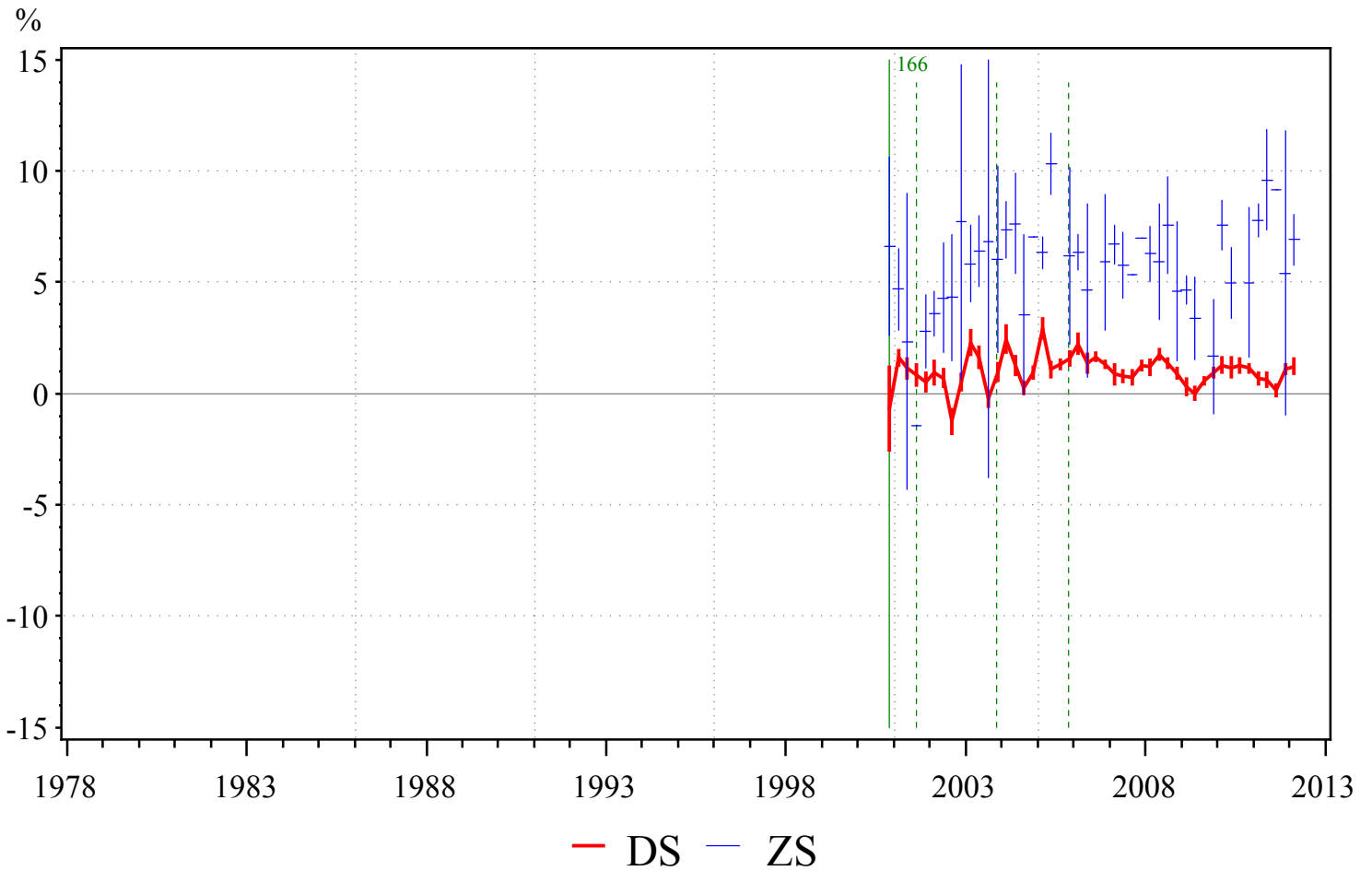
261 THESSALONIKI, 41N, 23E, Brewer



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Obs	Direct Sun Statistics	1978-1985	1986-1990	1991-1995	1996-2000	2001-2005	2006-2010	Mean	Range
DS	Number of days	744	1167	993	1129	1403	1424	1087.2	659
	Bias	1.9	1.71	1.14	1.24	0.87	0.75	1.37	1.03
	Daily sigma	1.89	1.82	2.12	2.21	1.79	1.89	1.97	0.41
	Monthly sigma	0.89	0.83	1.1	1.16	0.82	0.55	0.96	0.33
	Seasonal ampl.	0.4	0.33	0.21	0.36	0.7	0.17	0.4	0.48
	Annual range	0.66	1	1.89	1.68	0.64	0.96	1.17	1.25

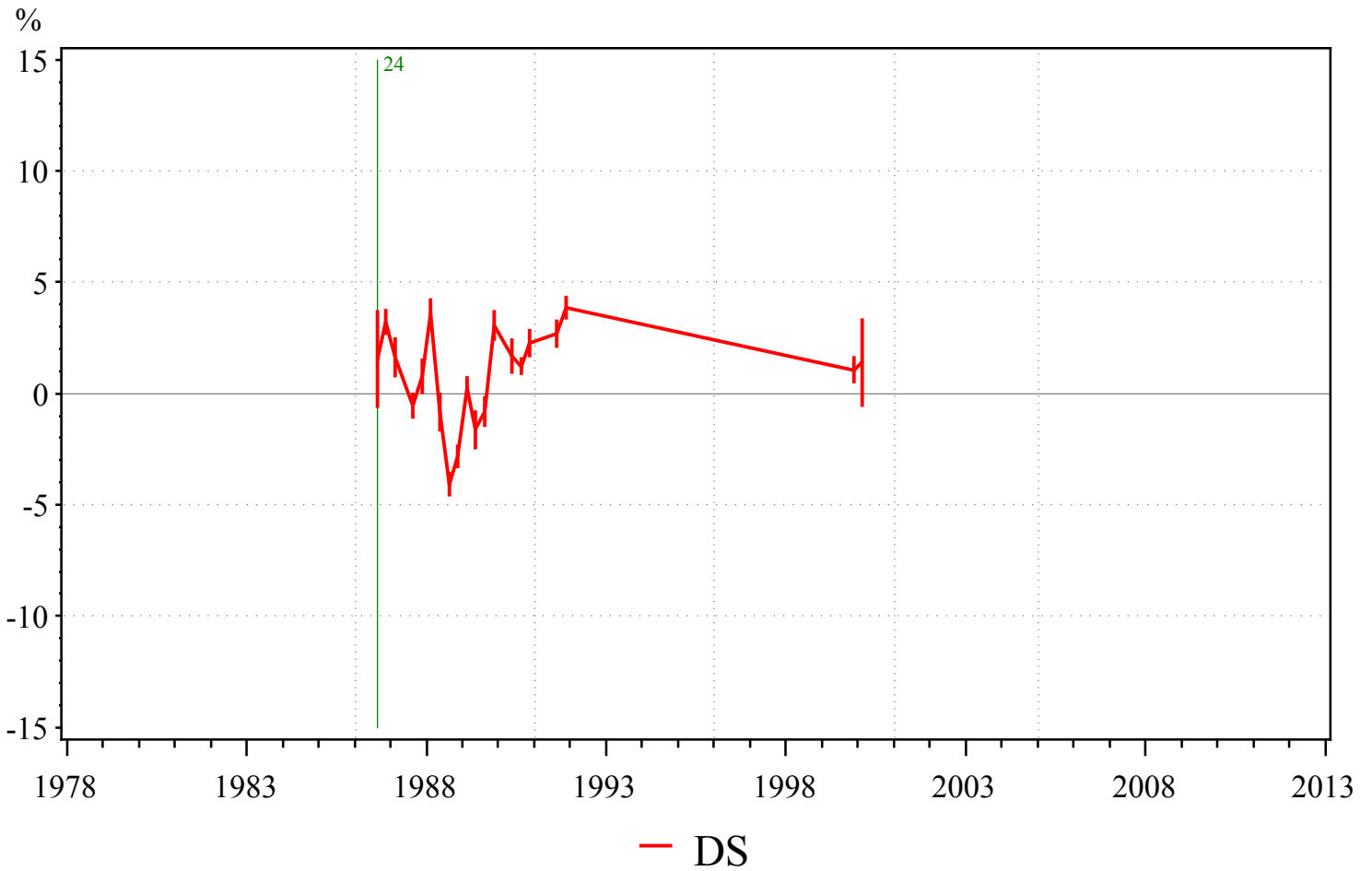
411 ZARAGOZA, 42N, 1W, Brewer



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Obs	Direct Sun Statistics	1978-1985	1986-1990	1991-1995	1996-2000	2001-2005	2006-2010	Mean	Range
DS	Number of days	.	.	.	64	1480	1564	772	1416
	Bias	.	.	.	1.25	1.04	1.04	1.14	0.21
	Daily sigma	.	.	.	2.06	2.3	1.55	2.18	0.25
	Monthly sigma	.	.	.	1.39	1.05	0.56	1.22	0.35
	Seasonal ampl.	.	.	.	.	0.97	0.16	0.97	0
	Annual range	.	.	.	.	1.11	0.95	1.11	0
ZS	Number of days	.	.	.	10	164	142	87	154
	Bias	.	.	.	5.08	5.54	5.91	5.31	0.46
	Daily sigma	.	.	.	2.72	3.66	2.72	3.19	0.95
	Monthly sigma	2.52	1.46	2.52	0

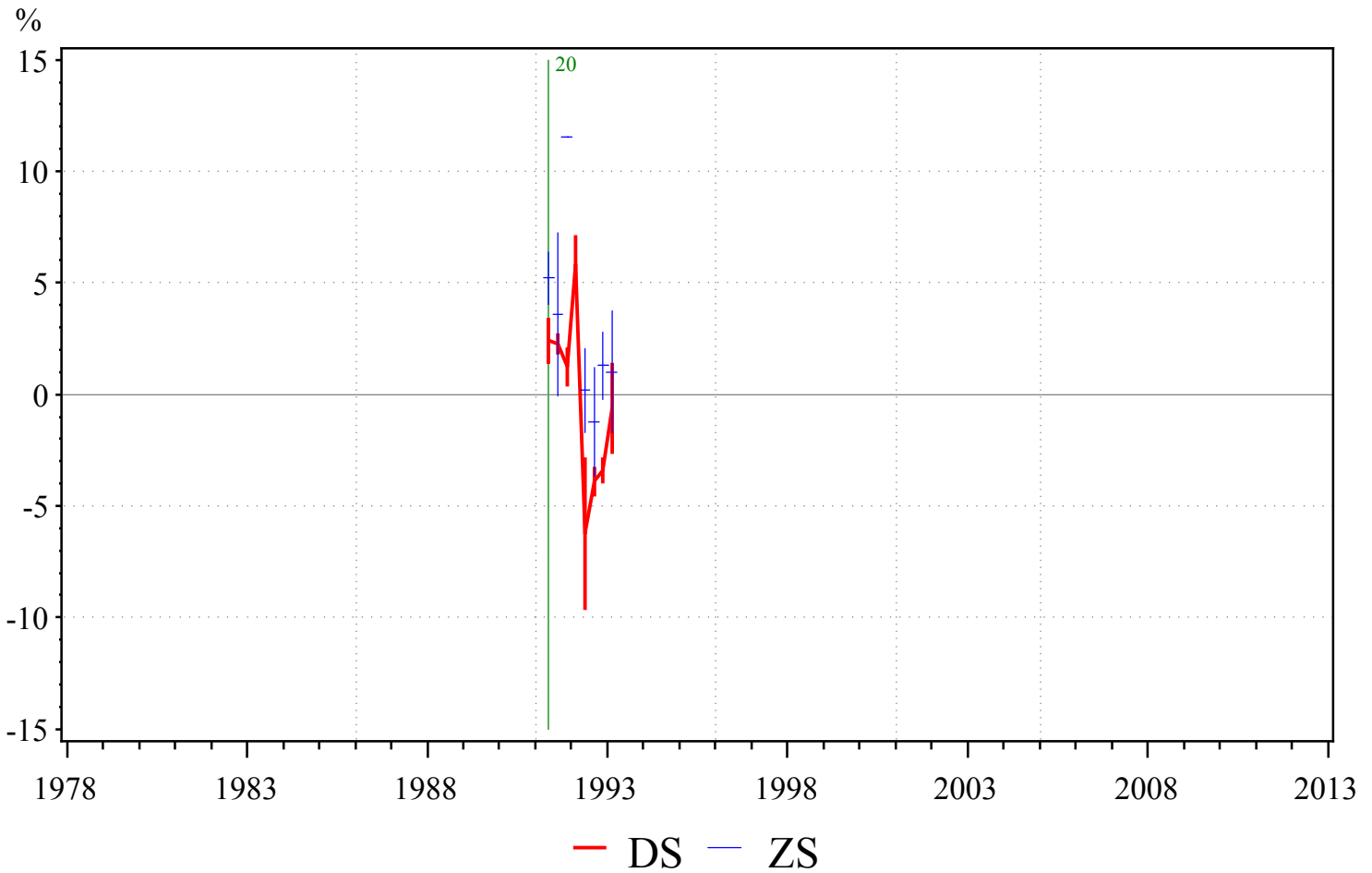
055 VIGNA DI VALLE, 42N, 12E, Brewer



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Obs	Direct Sun Statistics	1978-1985	1986-1990	1991-1995	1996-2000	2001-2005	2006-2010	Mean	Range
DS	Number of days	.	759	129	133	.	.	340.33	630
	Bias	.	0.16	3.25	1.7	.	.	1.7	3.09
	Daily sigma	.	3.37	2.44	6.81	.	.	4.21	4.37
	Monthly sigma	.	2.43	1.34	2.67	.	.	2.15	1.33
	Seasonal ampl.	.	1.66	1.66	0
	Annual range	.	3.58	3.58	0

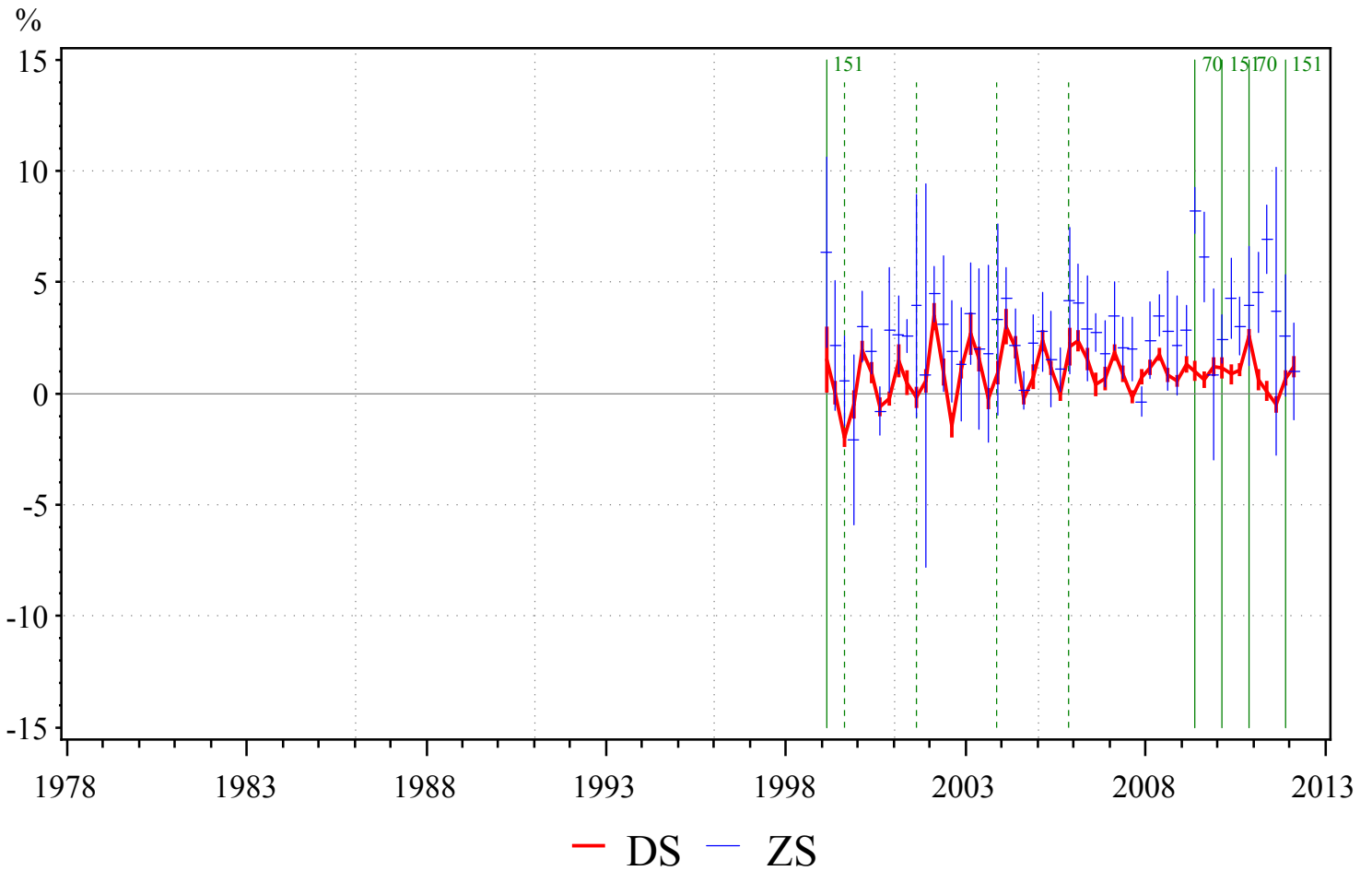
296 LONDON (ONTARIO), 43N, 81W, Brewer



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Obs	Direct Sun Statistics	1978-1985	1986-1990	1991-1995	1996-2000	2001-2005	2006-2010	Mean	Range
DS	Number of days	.	.	303	.	.	.	303	0
	Bias	.	.	-0.3	.	.	.	-0.3	0
	Daily sigma	.	.	4.1	.	.	.	4.1	0
	Monthly sigma	.	.	3.95	.	.	.	3.95	0
	Seasonal ampl.	.	.	2.78	.	.	.	2.78	0
	Annual range	.	.	6.15	.	.	.	6.15	0
ZS	Number of days	.	.	53	.	.	.	53	0
	Bias	.	.	2.54	.	.	.	2.54	0
	Daily sigma	.	.	4.85	.	.	.	4.85	0
	Monthly sigma	.	.	3.22	.	.	.	3.22	0

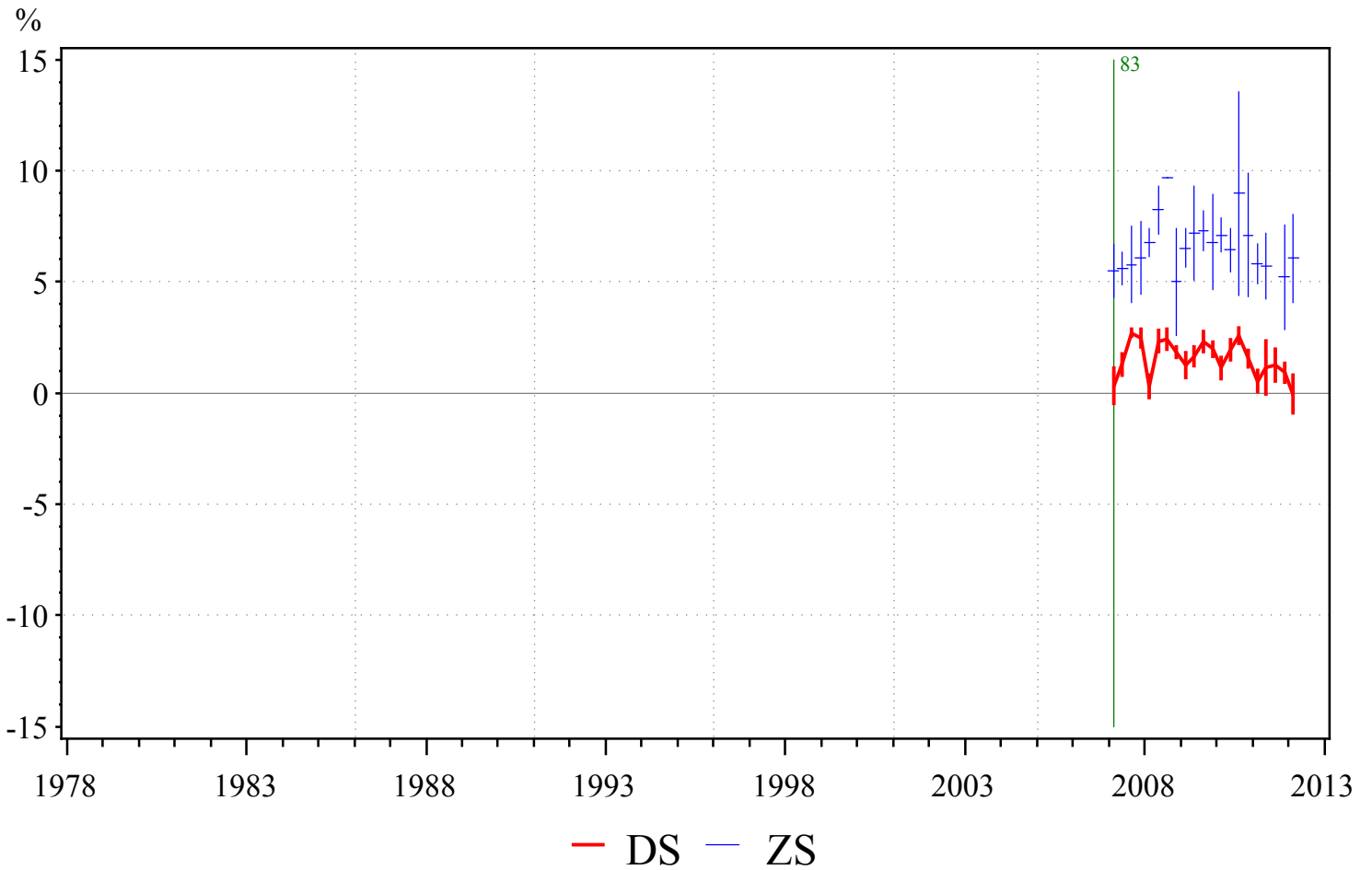
405 LA CORUÑA, 43N, 8W, Brewer



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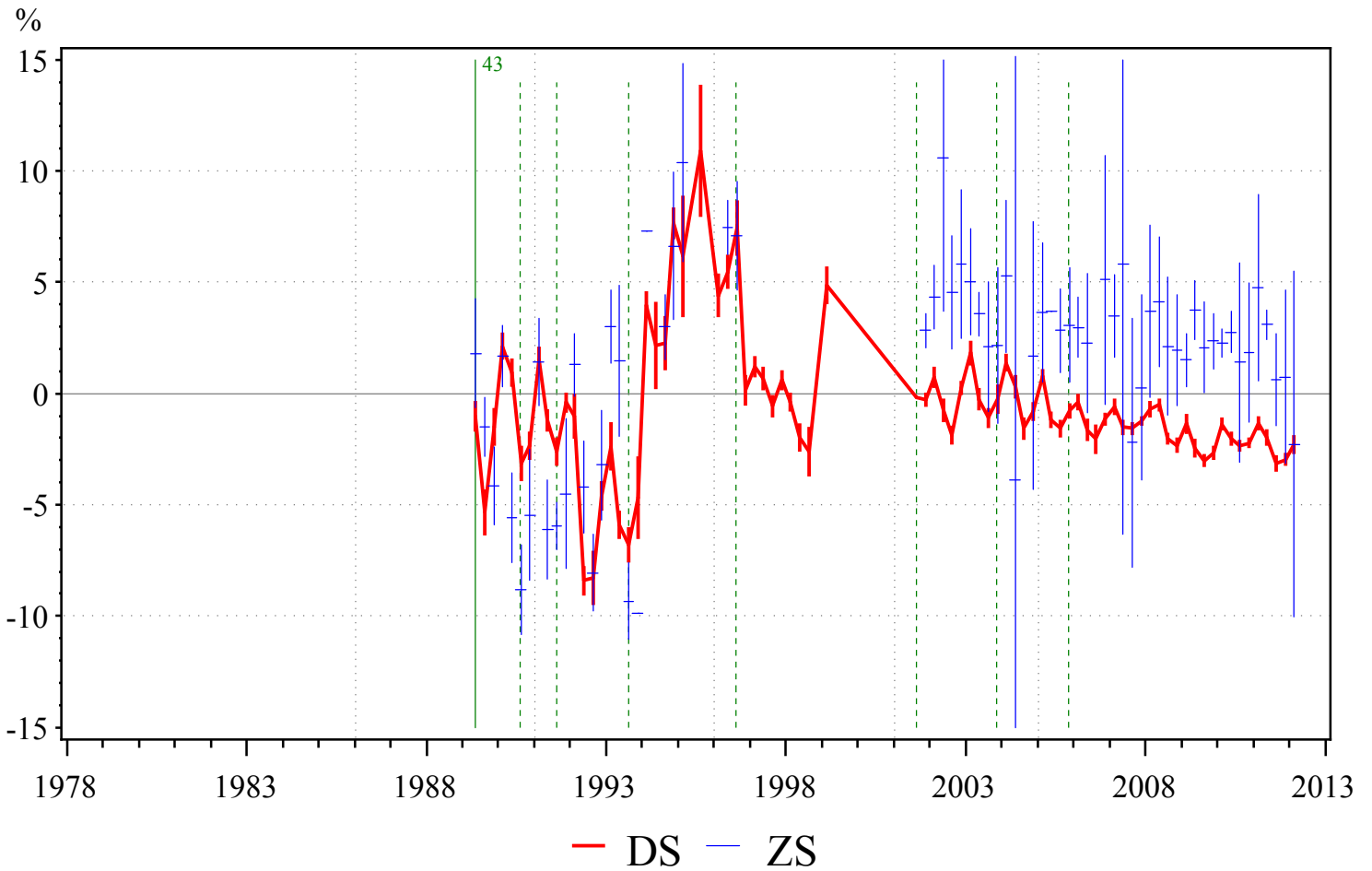
Obs	Direct Sun Statistics	1978-1985	1986-1990	1991-1995	1996-2000	2001-2005	2006-2010	Mean	Range
DS	Number of days	.	.	.	575	1449	1437	1012	874
	Bias	.	.	.	0.09	1.08	1.08	0.59	0.98
	Daily sigma	.	.	.	3.14	2.72	1.85	2.93	0.42
	Monthly sigma	.	.	.	1.74	1.48	0.7	1.61	0.26
	Seasonal ampl.	.	.	.	1.85	1.84	0.48	1.84	0.02
	Annual range	.	.	.	0.58	0.52	0.76	0.55	0.06
ZS	Number of days	.	.	.	110	201	190	155.5	91
	Bias	.	.	.	2.01	2.84	2.93	2.43	0.83
	Daily sigma	.	.	.	4.32	3.87	2.94	4.09	0.45
	Monthly sigma	.	.	.	2.68	2.13	1.6	2.41	0.55

512 UNIVERSITY OF TORONTO, 44N, 79W, Brewer



Obs	Direct Sun Statistics	1978-1985	1986-1990	1991-1995	1996-2000	2001-2005	2006-2010	Mean	Range
DS	Number of days	.	.	.	.	.	1148	.	.
	Bias	.	.	.	.	.	1.86	.	.
	Daily sigma	.	.	.	.	.	2.2	.	.
	Monthly sigma	.	.	.	.	.	1	.	.
	Seasonal ampl.	.	.	.	.	.	0.93	.	.
	Annual range	.	.	.	.	.	0.25	.	.
ZS	Number of days	202	.	.
	Bias	6.76	.	.
	Daily sigma	2.42	.	.
	Monthly sigma	1.2	.	.

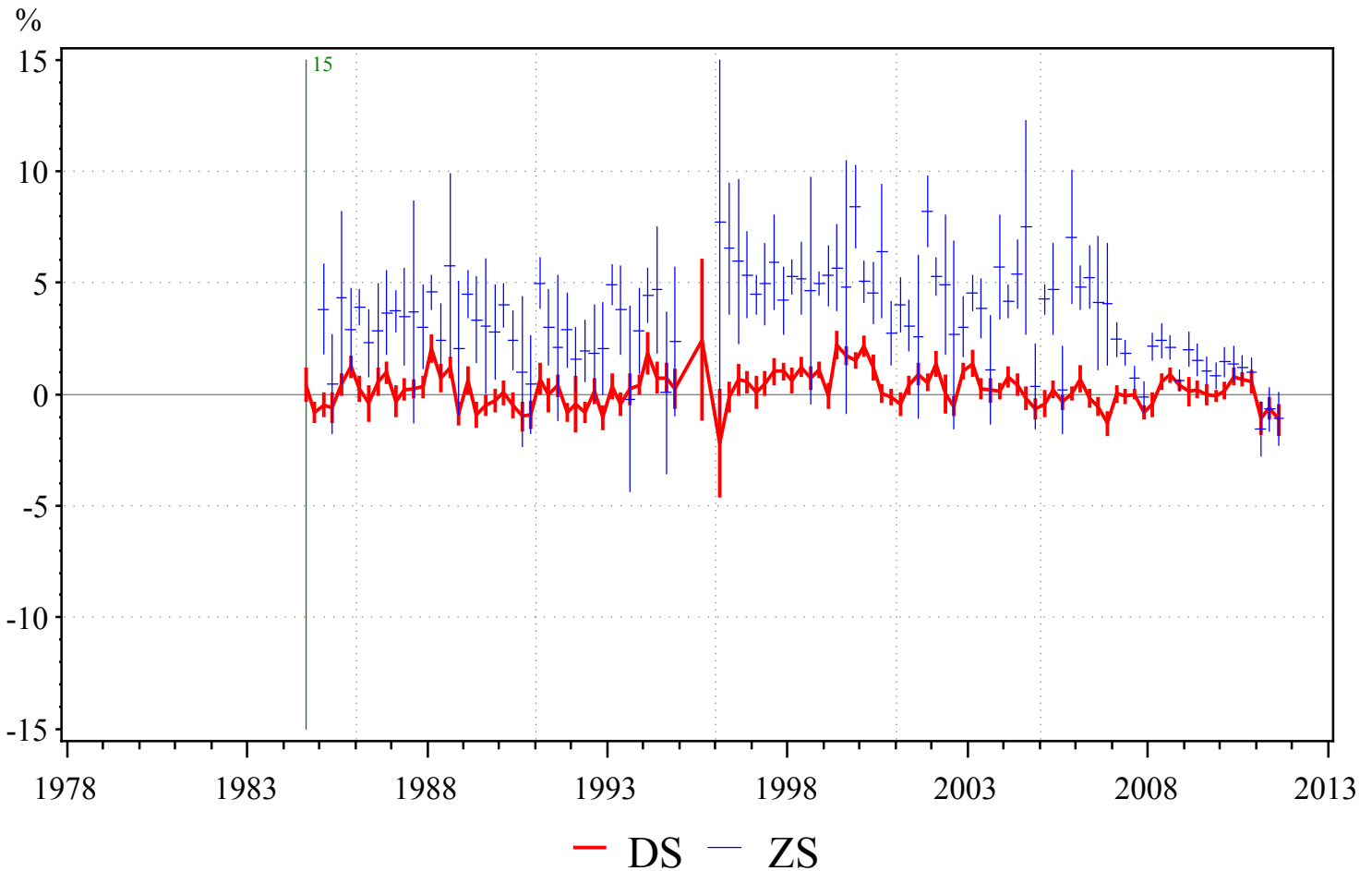
282 KISLOVODSK, 44N, 43E, Brewer



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Obs	Direct Sun Statistics	1978-1985	1986-1990	1991-1995	1996-2000	2001-2005	2006-2010	Mean	Range
DS	Number of days	.	464	599	557	1385	1569	751.25	921
	Bias	.	-1.25	-1.87	0.78	-0.28	-1.71	-0.65	2.65
	Daily sigma	.	5.61	5.61	3.78	2.27	1.63	4.31	3.34
	Monthly sigma	.	3.27	5.17	3.18	1.26	0.79	3.22	3.91
	Seasonal ampl.	.	4.28	3.46	0.64	1.4	0.64	2.44	3.64
	Annual range	.	1.2	12.36	4.08	0.85	1.13	4.62	11.51
ZS	Number of days	.	121	143	16	78	70	89.5	127
	Bias	.	-3.24	-1.99	7.26	3.96	2.7	1.5	10.5
	Daily sigma	.	5.49	6.23	2.64	4.33	2.69	4.67	3.59
	Monthly sigma	.	5.14	4.98	.	.	.	5.06	0.16

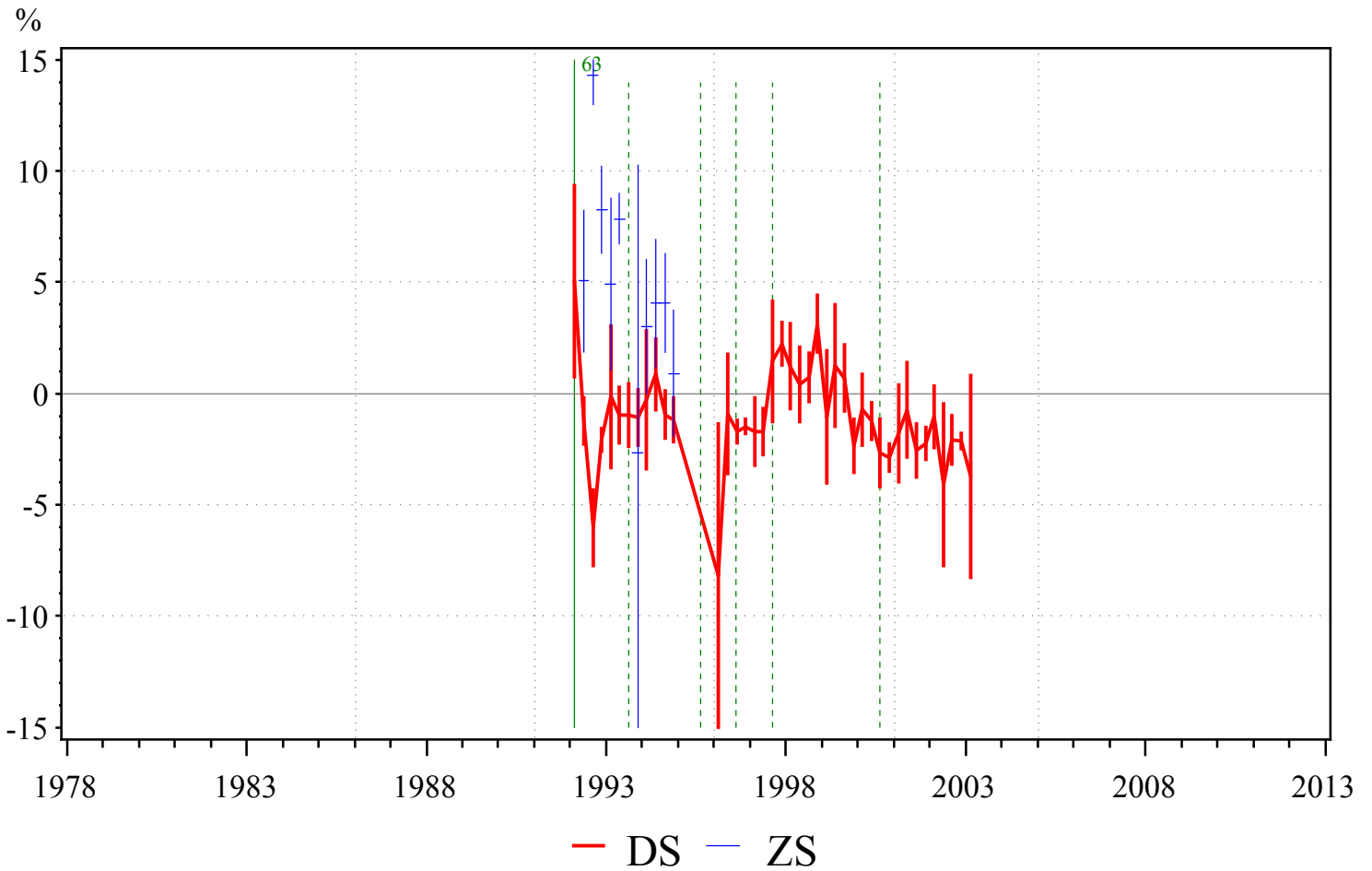
065 TORONTO, 44N, 79W, Brewer



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Obs	Direct Sun Statistics	1978-1985	1986-1990	1991-1995	1996-2000	2001-2005	2006-2010	Mean	Range
DS	Number of days	368	1259	822	1217	1337	1437	1000.6	969
	Bias	0.16	0.05	-0.01	0.87	0.25	0.04	0.26	0.88
	Daily sigma	2.33	2.4	2.4	2.16	2.03	1.73	2.26	0.37
	Monthly sigma	1.13	1.03	1.05	0.9	0.75	0.69	0.97	0.38
	Seasonal ampl.	0.56	0.15	0.33	0.24	0.32	0.32	0.32	0.41
	Annual range	0.59	1.06	1.14	1.52	0.83	1.01	1.03	0.93
ZS	Number of days	81	426	282	319	343	1019	290.2	345
	Bias	3.72	3.61	3.2	5.26	4.31	1.47	4.02	2.06
	Daily sigma	4.35	4.16	3.98	3.66	3.24	2.64	3.88	1.11
	Monthly sigma	0	1.85	1.36	1.28	0.94	1.08	1.09	1.85
	Seasonal ampl.	.	0.5	.	0.84	0.97	0.78	0.77	0.48
	Annual range	.	0.82	1.38	2.32	0.49	0.73	1.25	1.82

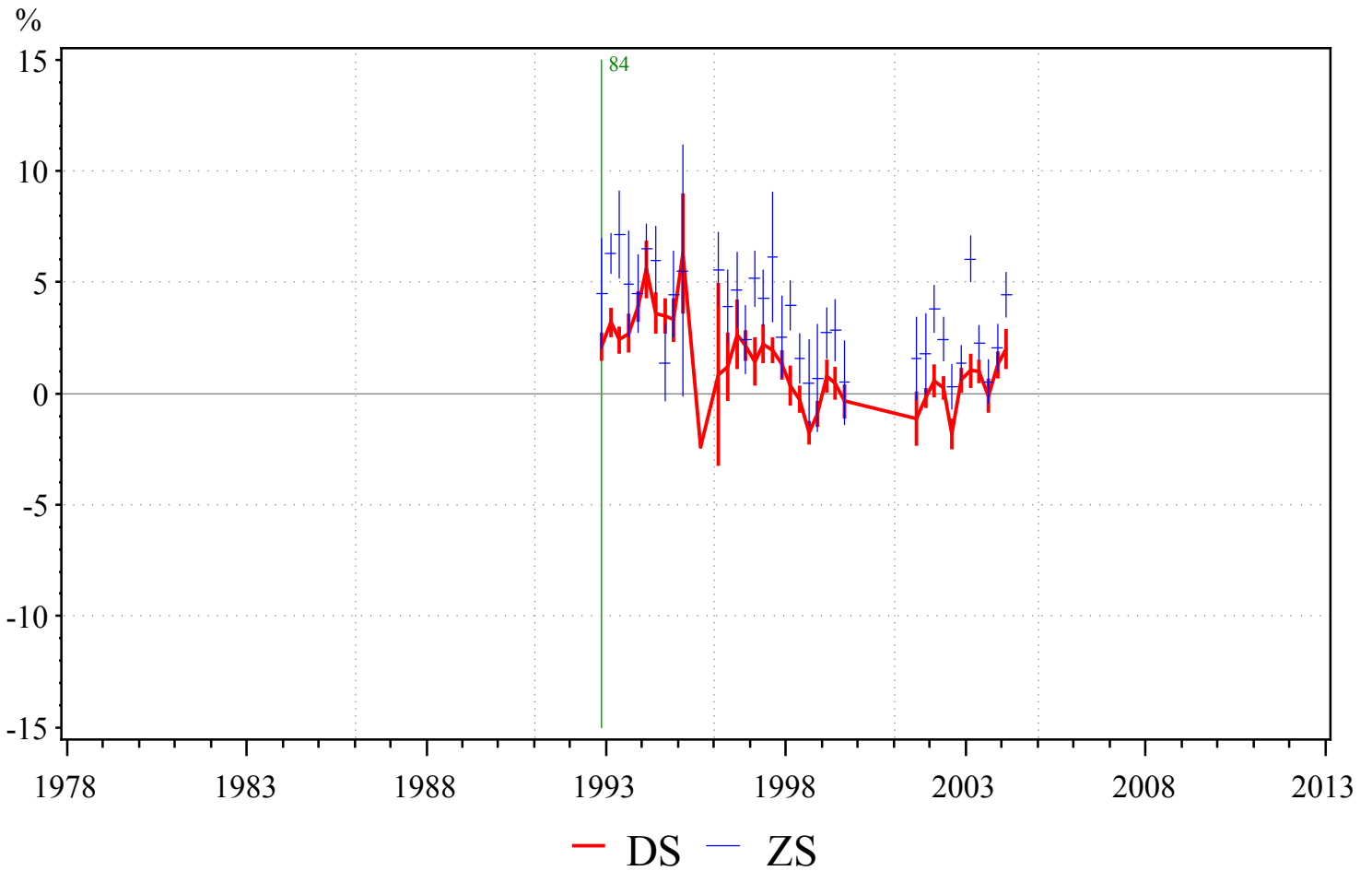
201 SESTOLA, 44N, 11E, Brewer



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Obs	Direct Sun Statistics	1978-1985	1986-1990	1991-1995	1996-2000	2001-2005	2006-2010	Mean	Range
DS	Number of days	.	.	501	1010	397	.	636	613
	Bias	.	.	-1.11	-0.4	-1.76	.	-1.09	1.36
	Daily sigma	.	.	7.55	8.31	6.72	.	7.53	1.59
	Monthly sigma	.	.	3.81	4.88	2.16	.	3.62	2.72
	Seasonal ampl.	.	.	3.16	1.57	0.3	.	1.68	2.85
	Annual range	.	.	2.98	4.03	0.92	.	2.64	3.11
ZS	Number of days	.	.	100	.	.	.	100	0
	Bias	.	.	6.21	.	.	.	6.21	0
	Daily sigma	.	.	8.4	.	.	.	8.4	0
	Monthly sigma	.	.	4.05	.	.	.	4.05	0

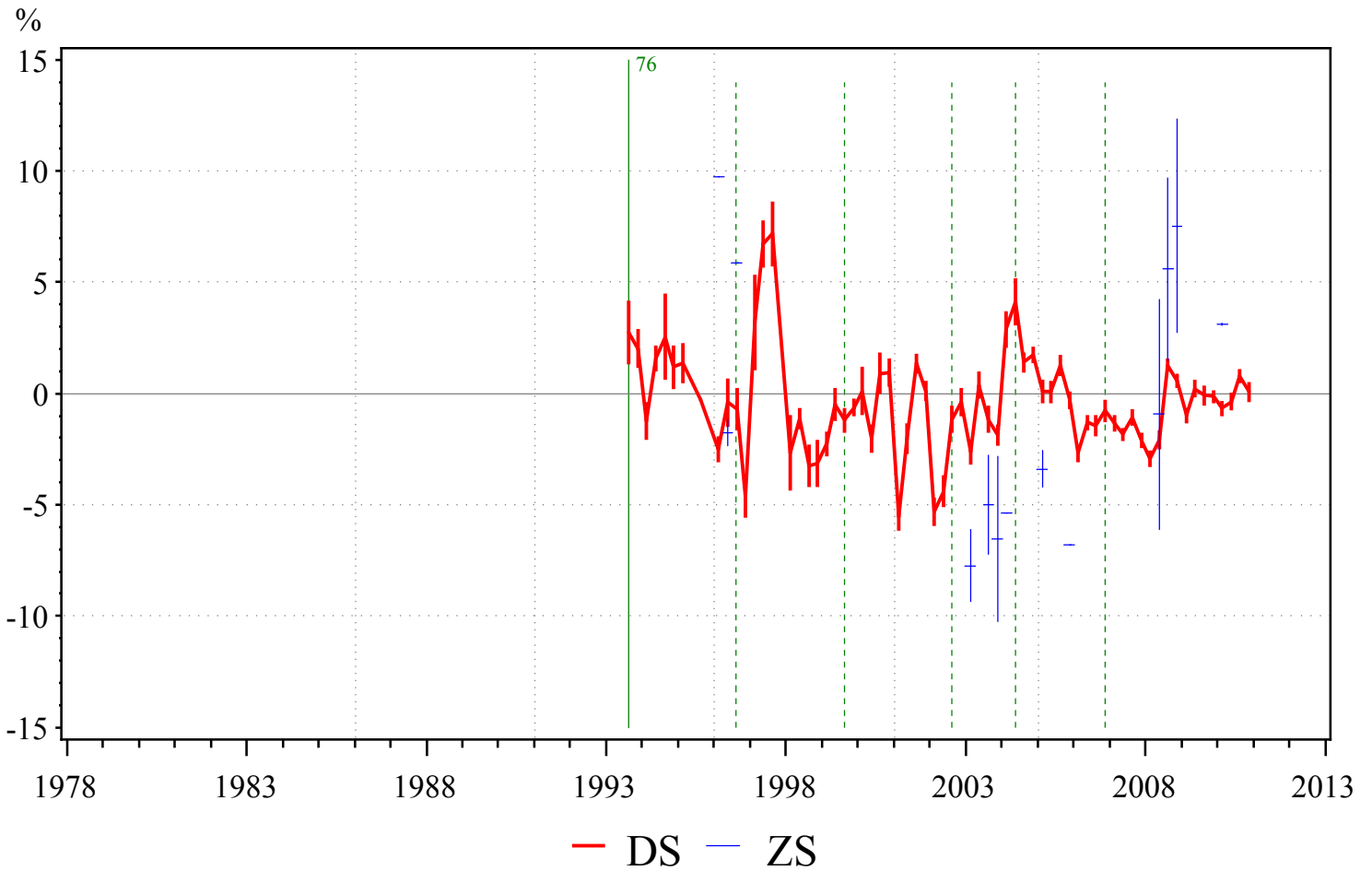
321 HALIFAX (BEDFORD), 45N, 64W, Brewer



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Obs	Direct Sun Statistics	1978-1985	1986-1990	1991-1995	1996-2000	2001-2005	2006-2010	Mean	Range
DS	Number of days	.	.	392	688	546	.	542	296
	Bias	.	.	3.47	0.66	0.39	.	1.51	3.07
	Daily sigma	.	.	3.03	3.08	2.71	.	2.94	0.38
	Monthly sigma	.	.	1.53	1.49	1.16	.	1.39	0.37
	Seasonal ampl.	.	.	0.95	0.59	0.88	.	0.81	0.36
	Annual range	.	.	0.18	2.65	1.17	.	1.33	2.47
ZS	Number of days	.	.	193	286	300	.	259.67	107
	Bias	.	.	6.06	3.2	2.62	.	3.96	3.44
	Daily sigma	.	.	4.62	3.9	3.28	.	3.93	1.34
	Monthly sigma	.	.	2.55	1.49	2.01	.	2.02	1.06
	Seasonal ampl.	2.17	.	2.17	0
	Annual range	.	.	1.2	2.84	0.15	.	1.4	2.69

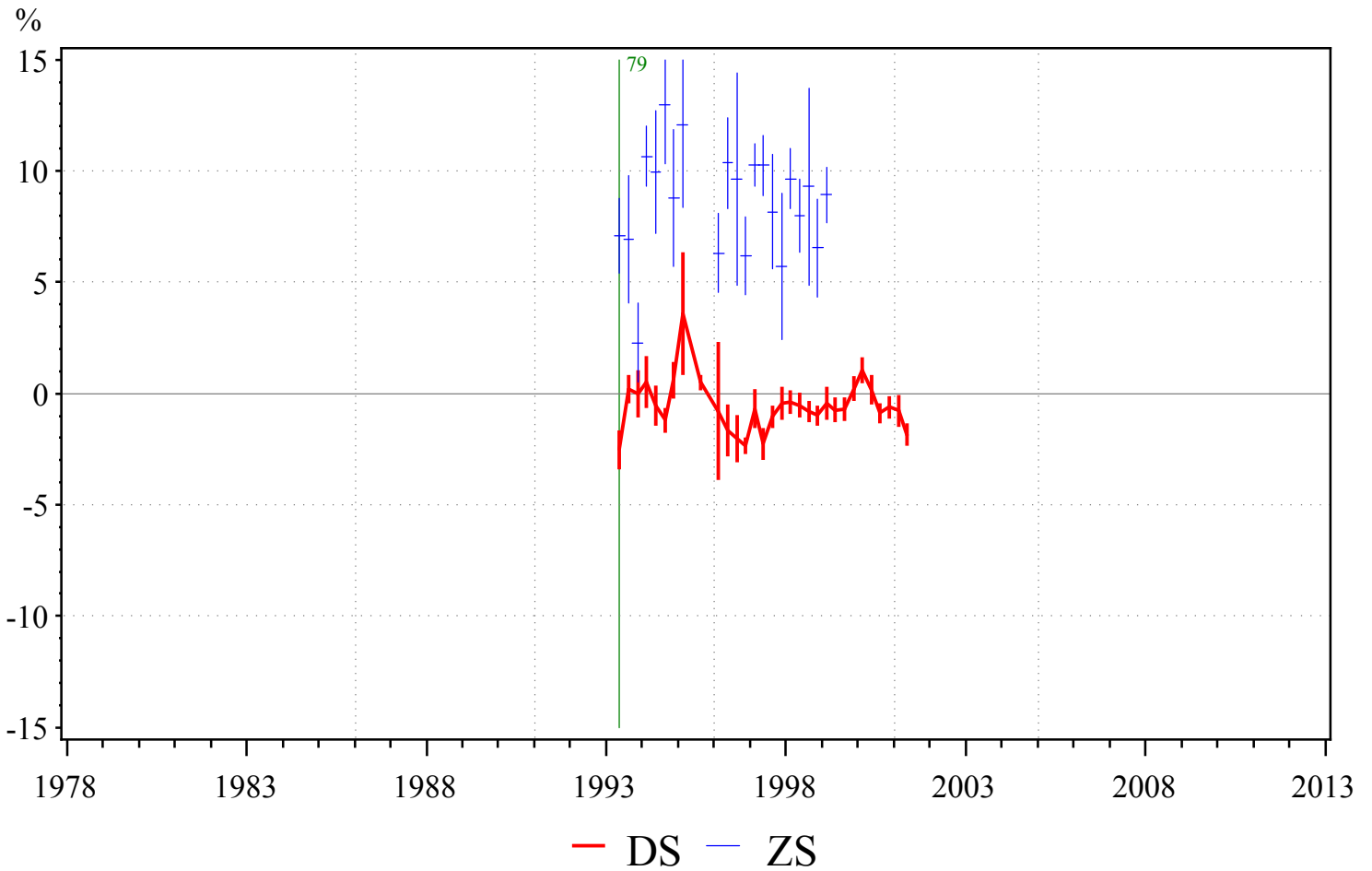
326 LONGFENGSHAN, 45N, 128E, Brewer



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Obs	Direct Sun Statistics	1978-1985	1986-1990	1991-1995	1996-2000	2001-2005	2006-2010	Mean	Range
DS	Number of days	.	.	182	963	1447	1506	864	1265
	Bias	.	.	0.96	-0.35	-0.5	-0.81	0.04	1.46
	Daily sigma	.	.	2.68	5.67	3.48	1.99	3.94	2.99
	Monthly sigma	.	.	1.88	4.41	2.71	1.23	3	2.53
	Seasonal ampl.	.	.	.	1.59	1.22	0.75	1.41	0.37
	Annual range	.	.	0.47	12.39	4.92	2.06	5.93	11.92
ZS	Number of days	.	.	.	.	21	11	21	0
	Bias	-5.89	4.47	-5.89	0
	Daily sigma	3.01	4.4	3.01	0

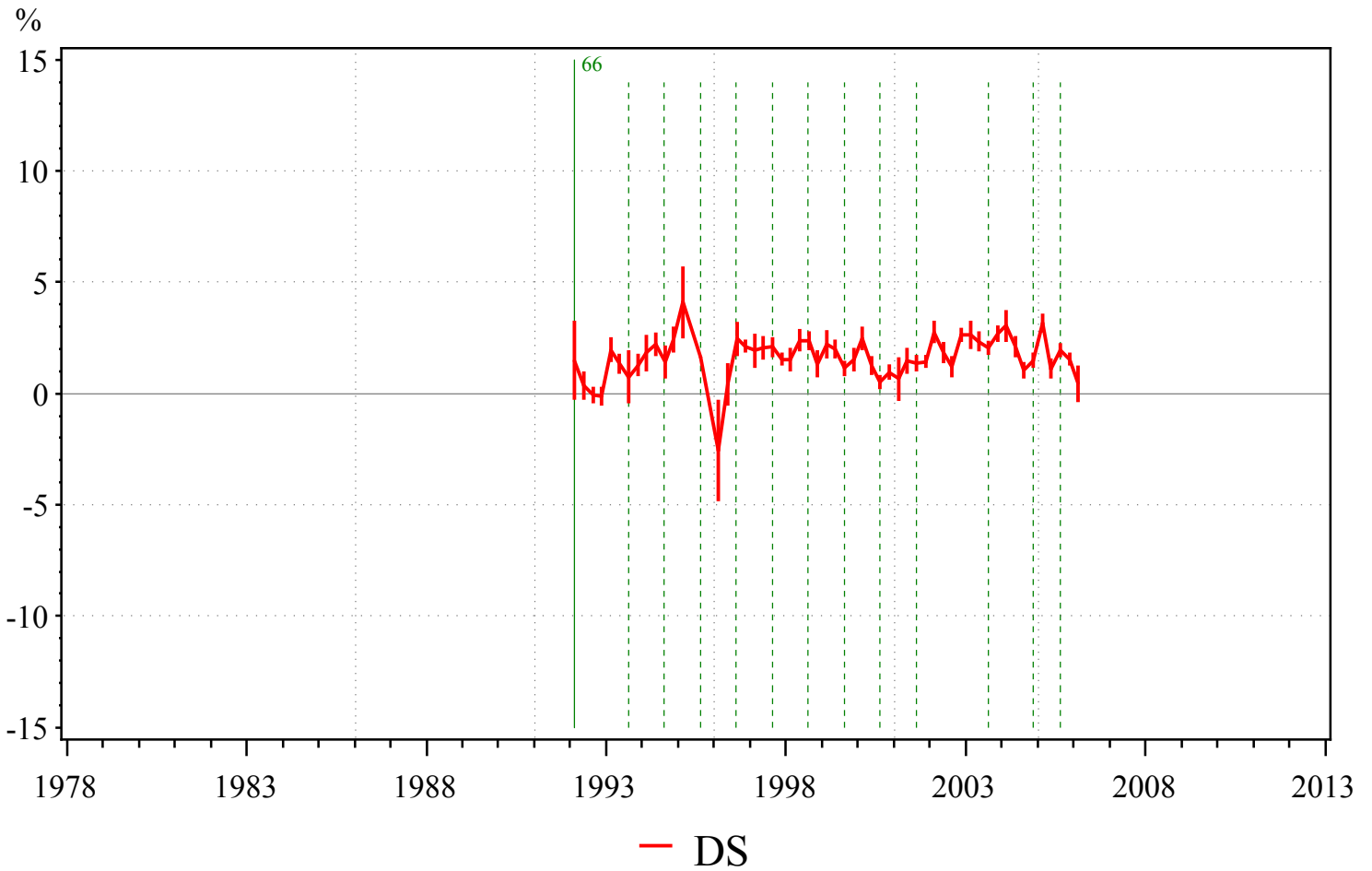
319 MONTREAL (DORVAL), 45N, 74W, Brewer



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Obs	Direct Sun Statistics	1978-1985	1986-1990	1991-1995	1996-2000	2001-2005	2006-2010	Mean	Range
DS	Number of days	.	.	266	1216	62	.	514.67	1154
	Bias	.	.	-0.25	-0.79	-1.26	.	-0.77	1.01
	Daily sigma	.	.	3.04	2.48	2.22	.	2.58	0.83
	Monthly sigma	.	.	1.59	1.12	1.3	.	1.34	0.47
	Seasonal ampl.	.	.	.	0.34	.	.	0.34	0
	Annual range	.	.	0.27	1.83	.	.	1.05	1.56
ZS	Number of days	.	.	74	166	.	.	120	92
	Bias	.	.	10.56	9.86	.	.	10.21	0.7
	Daily sigma	.	.	5.86	4.56	.	.	5.21	1.29
	Monthly sigma	.	.	2.52	1.17	.	.	1.85	1.35

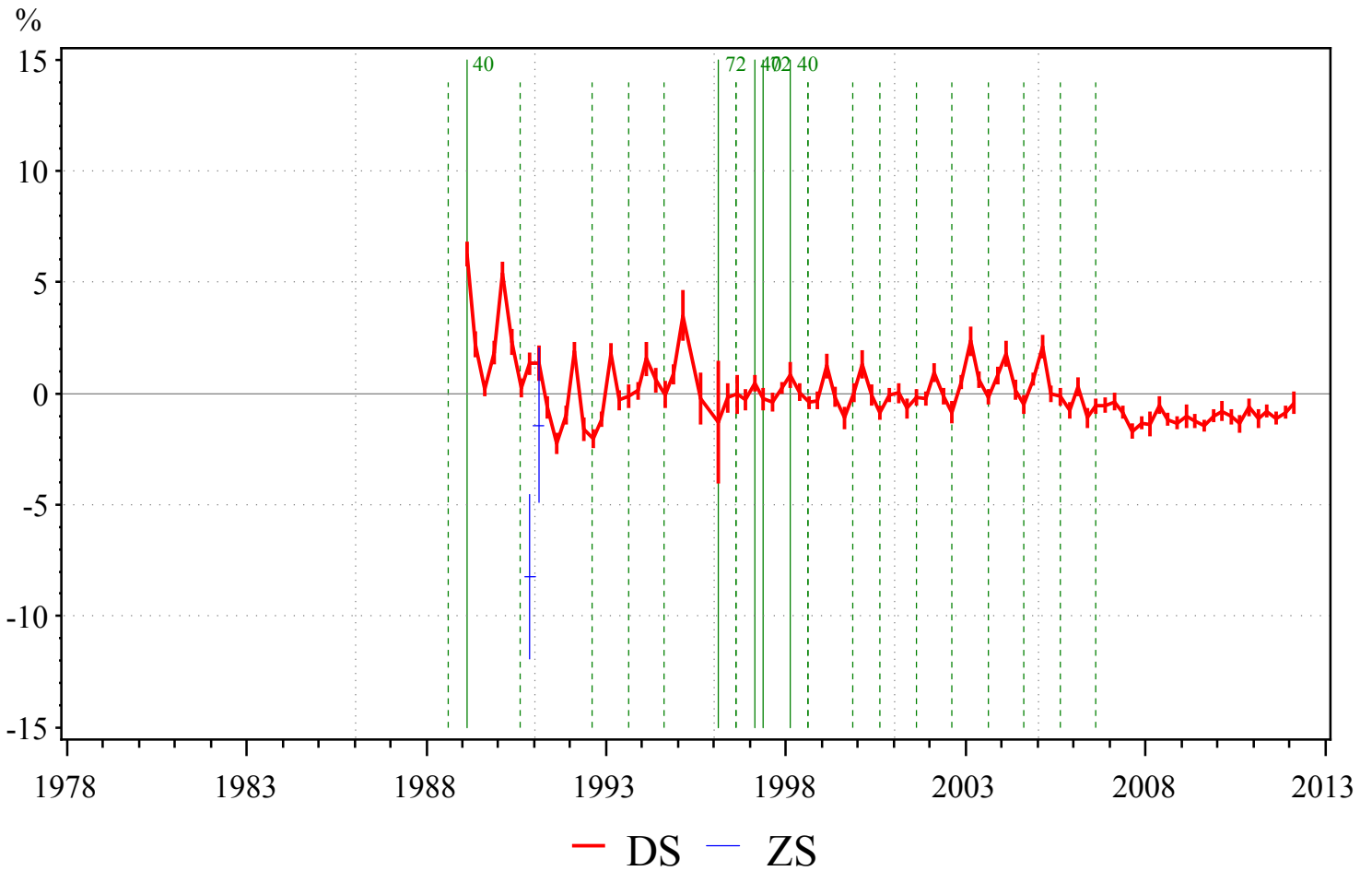
301 J.R.C. ISPRA (VARESE), 46N, 9E, Brewer



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Obs	Direct Sun Statistics	1978-1985	1986-1990	1991-1995	1996-2000	2001-2005	2006-2010	Mean	Range
DS	Number of days	.	.	621	1335	1528	.	1161.33	907
	Bias	.	.	1.25	1.72	1.9	.	1.62	0.66
	Daily sigma	.	.	2.45	2.25	2.03	.	2.24	0.42
	Monthly sigma	.	.	1.25	0.88	0.9	.	1.01	0.38
	Seasonal ampl.	.	.	0.86	0.21	0.51	.	0.52	0.65
	Annual range	.	.	1.83	1.04	0.98	.	1.29	0.85

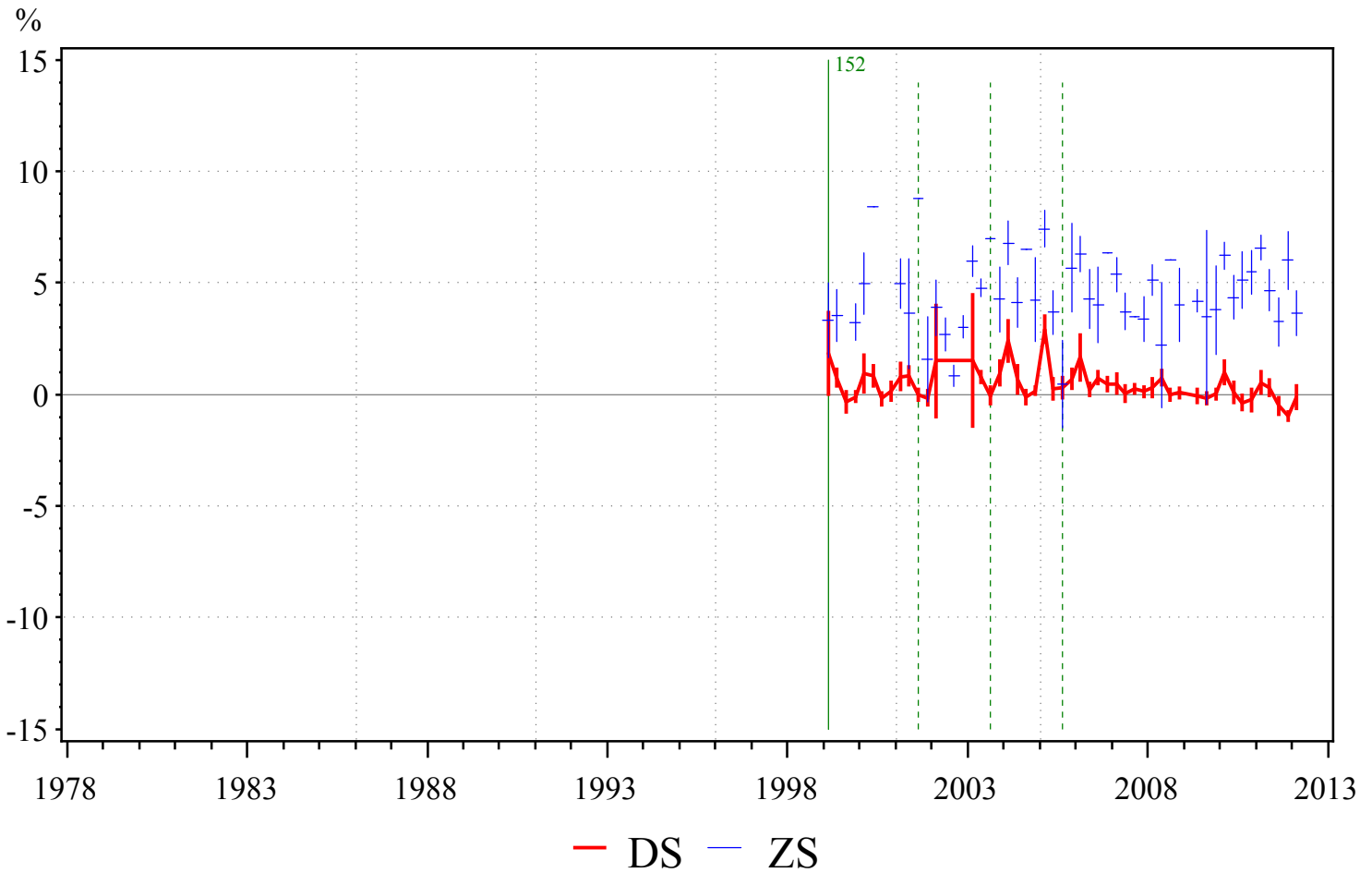
035 AROSA, 47N, 10E, Brewer



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Obs	Direct Sun Statistics	1978-1985	1986-1990	1991-1995	1996-2000	2001-2005	2006-2010	Mean	Range
DS	Number of days	.	542	961	1427	1452	1560	1095.5	910
	Bias	.	2.38	-0.15	-0.08	0.3	-1.02	0.61	2.53
	Daily sigma	.	2.86	2.34	1.97	1.98	1.68	2.29	0.89
	Monthly sigma	.	2.23	1.57	0.79	1	0.55	1.4	1.43
	Seasonal ampl.	.	2.93	1.6	0.69	0.99	0.28	1.55	2.24
	Annual range	.	0.66	1.46	0.52	0.95	0.67	0.9	0.94
ZS	Number of days	.	10	10	0
	Bias	.	-6.89	-6.89	0
	Daily sigma	.	5.51	5.51	0

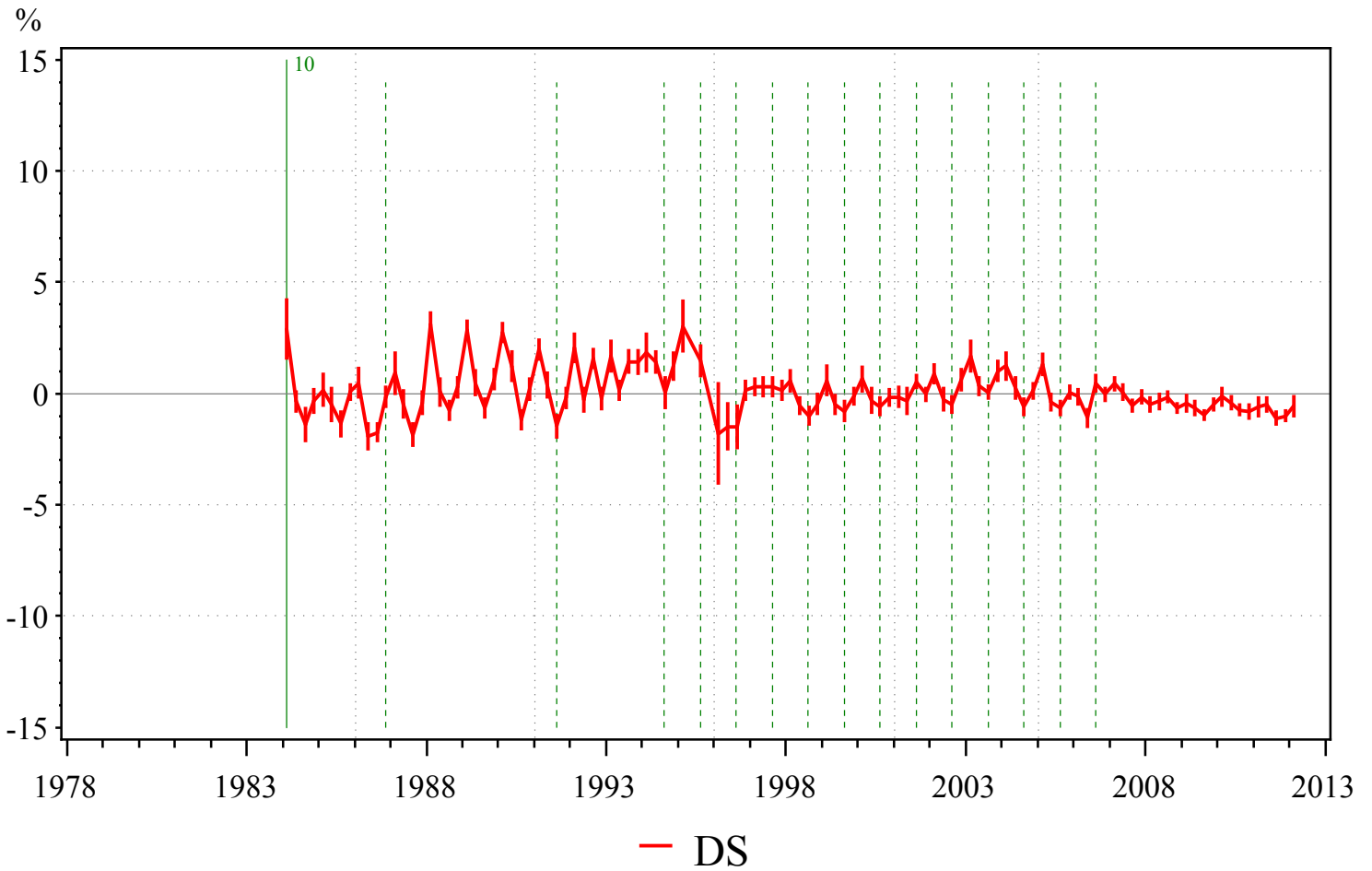
100 BUDAPEST-LORINC, 47N, 19E, Brewer



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Obs	Direct Sun Statistics	1978-1985	1986-1990	1991-1995	1996-2000	2001-2005	2006-2010	Mean	Range
DS	Number of days	.	.	.	539	889	1202	714	350
	Bias	.	.	.	0.38	0.63	0.25	0.5	0.25
	Daily sigma	.	.	.	2.28	2.19	1.68	2.23	0.09
	Monthly sigma	.	.	.	0.79	1.05	0.59	0.92	0.26
	Seasonal ampl.	.	.	.	0.87	0.98	0.36	0.92	0.12
	Annual range	.	.	.	0.11	0.76	0.62	0.43	0.64
ZS	Number of days	.	.	.	78	475	290	276.5	397
	Bias	.	.	.	4.29	3.87	5.21	4.08	0.42
	Daily sigma	.	.	.	3.15	3.55	2.25	3.35	0.39
	Monthly sigma	.	.	.	1.11	2.65	1.32	1.88	1.54
	Seasonal ampl.	2.77	.	2.77	0
	Annual range	3.14	0.93	3.14	0

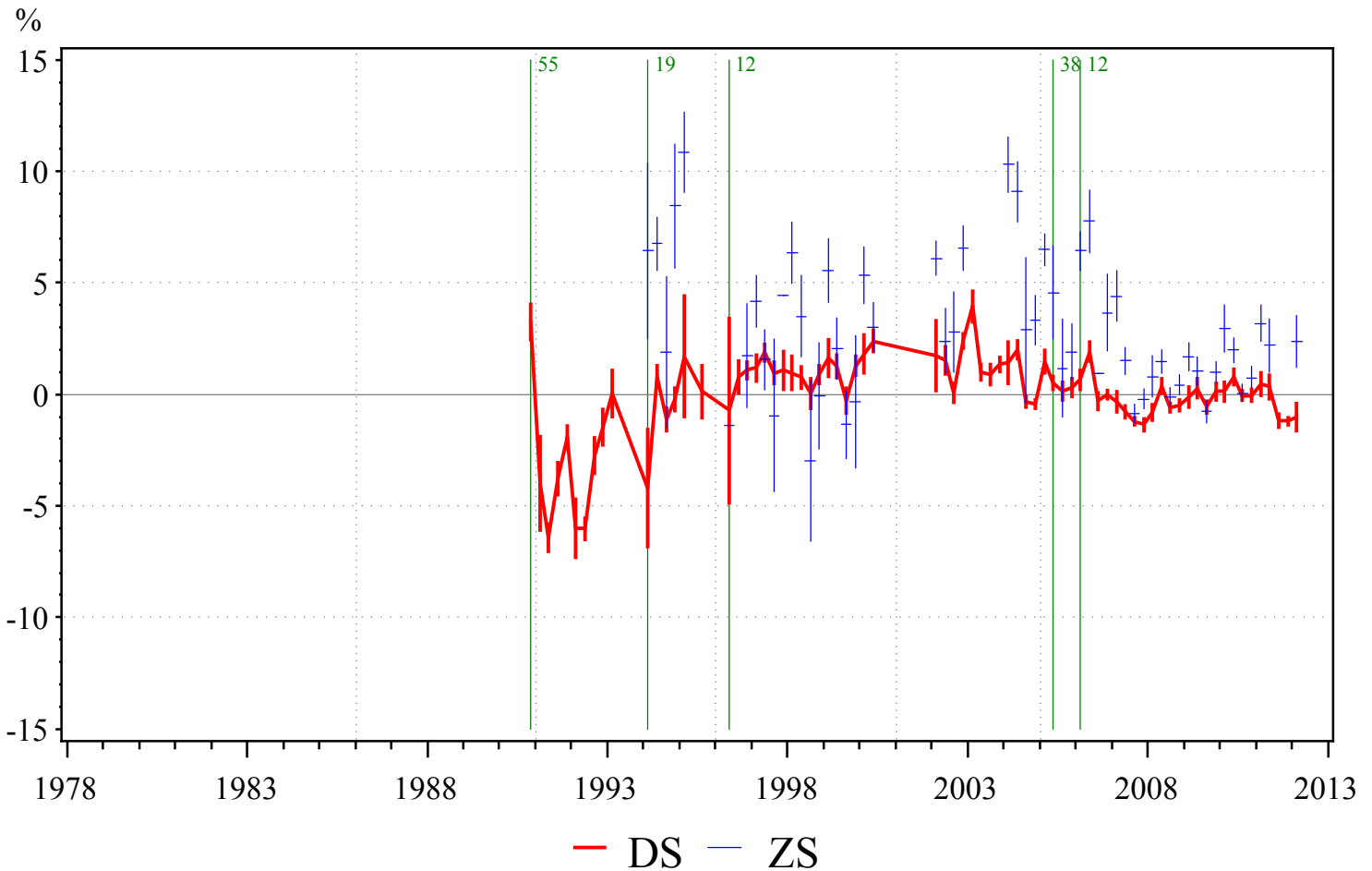
099 HOHENPEISSENBERG, 48N, 11E, Brewer



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Obs	Direct Sun Statistics	1978-1985	1986-1990	1991-1995	1996-2000	2001-2005	2006-2010	Mean	Range
DS	Number of days	314	1279	888	1309	1487	1483	1055.4	1173
	Bias	-0.33	0.12	0.69	-0.25	0.23	-0.38	0.09	1.02
	Daily sigma	2.16	2.65	2.49	2.2	2.16	1.6	2.33	0.5
	Monthly sigma	1.23	1.71	1.39	0.9	0.86	0.59	1.22	0.85
	Seasonal ampl.	1.1	1.88	0.92	0.53	0.73	0.18	1.03	1.35
	Annual range	0.03	1.6	1.23	0.99	0.96	0.64	0.96	1.57

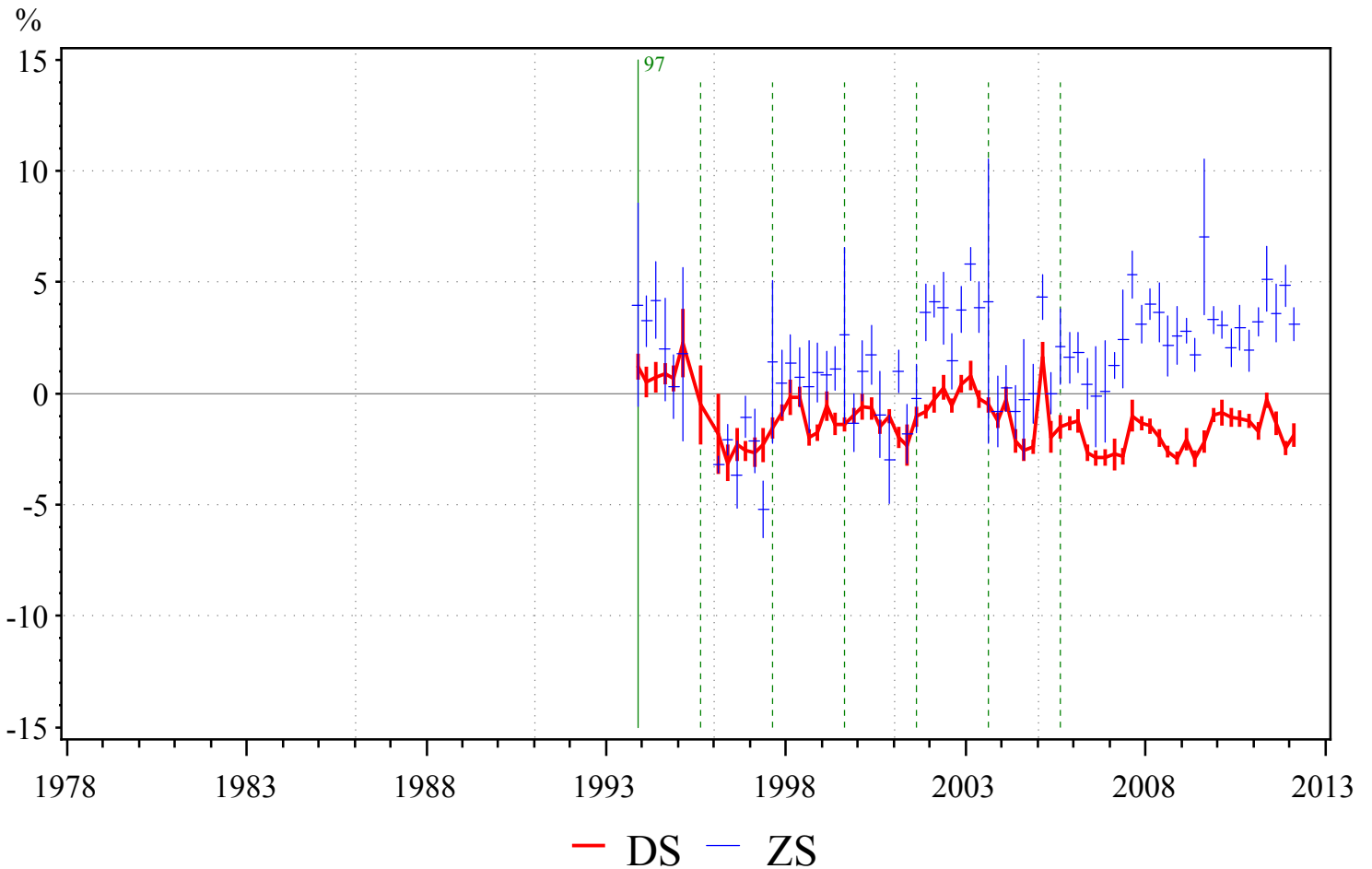
290 SATURNA ISLAND, 49N, 123W, Brewer



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Obs	Direct Sun Statistics	1978-1985	1986-1990	1991-1995	1996-2000	2001-2005	2006-2010	Mean	Range
DS	Number of days	.	30	513	878	1248	1530	667.25	1218
	Bias	.	2.02	-2.68	1.04	0.76	-0.25	0.28	4.7
	Daily sigma	.	3.68	3.81	2.42	2.28	1.85	3.05	1.54
	Monthly sigma	.	.	2.86	0.85	1.24	0.87	1.65	2.01
	Seasonal ampl.	.	.	1.61	0.66	0.88	0.67	1.05	0.95
	Annual range	.	.	3.34	1.71	1.31	1.52	2.12	2.03
ZS	Number of days	.	.	44	246	195	1274	161.67	202
	Bias	.	.	7.32	2.98	5.38	0.93	5.23	4.34
	Daily sigma	.	.	3.7	4.19	3.53	2.81	3.81	0.67
	Monthly sigma	.	.	2.5	2.75	2.78	1.94	2.68	0.28
	Seasonal ampl.	2.01	.	.
	Annual range	.	.	.	0.35	.	0.87	0.35	0

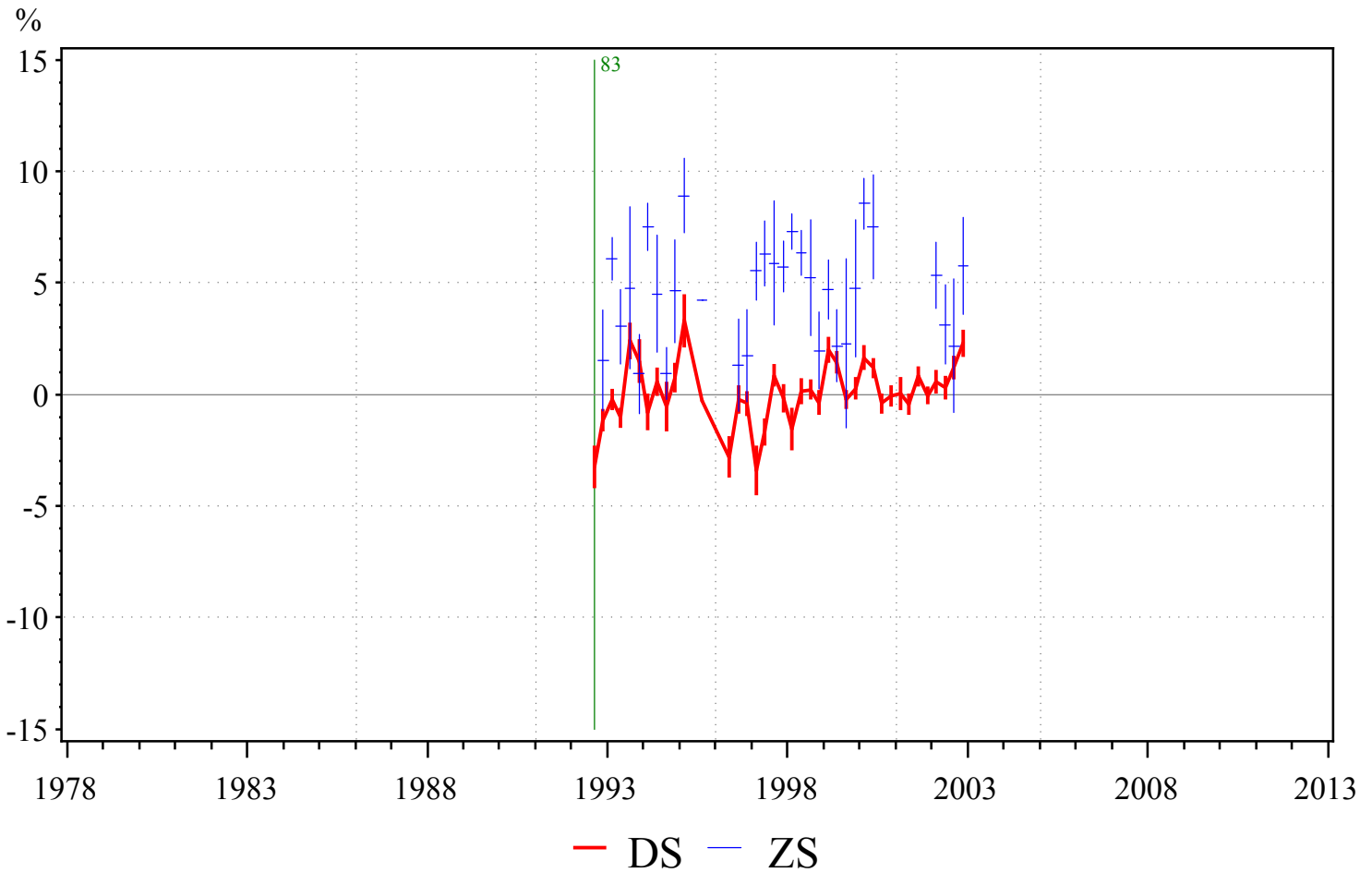
331 POPRAD-GANOVCE, 49N, 20E, Brewer



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Obs	Direct Sun Statistics	1978-1985	1986-1990	1991-1995	1996-2000	2001-2005	2006-2010	Mean	Range
DS	Number of days	.	.	253	1374	1466	1442	1031	1213
	Bias	.	.	0.87	-1.41	-0.89	-1.99	-0.48	2.28
	Daily sigma	.	.	2.19	2.38	2.75	1.99	2.44	0.56
	Monthly sigma	.	.	0.88	0.99	1.42	0.93	1.09	0.54
	Seasonal ampl.	.	.	.	0.36	0.79	0.19	0.58	0.43
	Annual range	.	.	0.08	1.5	1.89	1.5	1.16	1.8
ZS	Number of days	.	.	64	296	321	347	227	257
	Bias	.	.	2.91	0.16	1.91	2.59	1.66	2.75
	Daily sigma	.	.	3.24	3.52	3.57	2.38	3.44	0.33
	Monthly sigma	.	.	2.57	1.71	2.52	1.19	2.26	0.86
	Seasonal ampl.	2.19	0.3	2.19	0
	Annual range	.	.	.	0.56	0.81	0.92	0.68	0.25

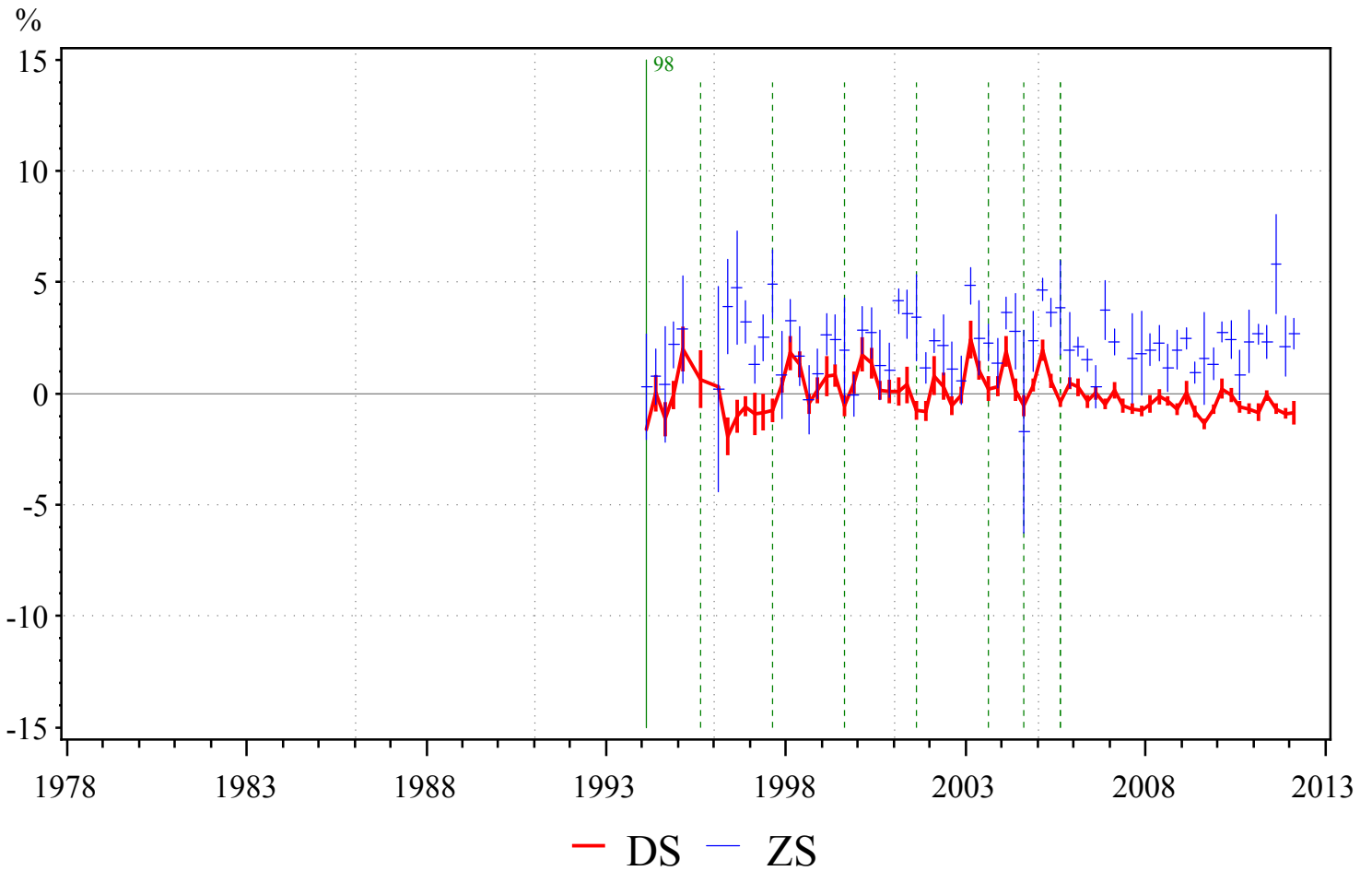
320 WINNIPEG, 50N, 97W, Brewer



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Obs	Direct Sun Statistics	1978-1985	1986-1990	1991-1995	1996-2000	2001-2005	2006-2010	Mean	Range
DS	Number of days	.	.	472	1192	523	.	729	720
	Bias	.	.	-0.12	0	0.66	.	0.18	0.78
	Daily sigma	.	.	2.66	2.52	2.38	.	2.52	0.28
	Monthly sigma	.	.	1.71	1.53	0.99	.	1.41	0.72
	Seasonal ampl.	.	.	0.05	0.18	0.2	.	0.14	0.14
	Annual range	.	.	1.92	1.88	0.99	.	1.6	0.93
ZS	Number of days	.	.	152	299	30	.	160.33	269
	Bias	.	.	4.13	5.53	4.28	.	4.64	1.4
	Daily sigma	.	.	4.09	4.65	2.97	.	3.9	1.68
	Monthly sigma	.	.	3.12	2.56	.	.	2.84	0.56
	Annual range	.	.	.	0.84	.	.	0.84	0

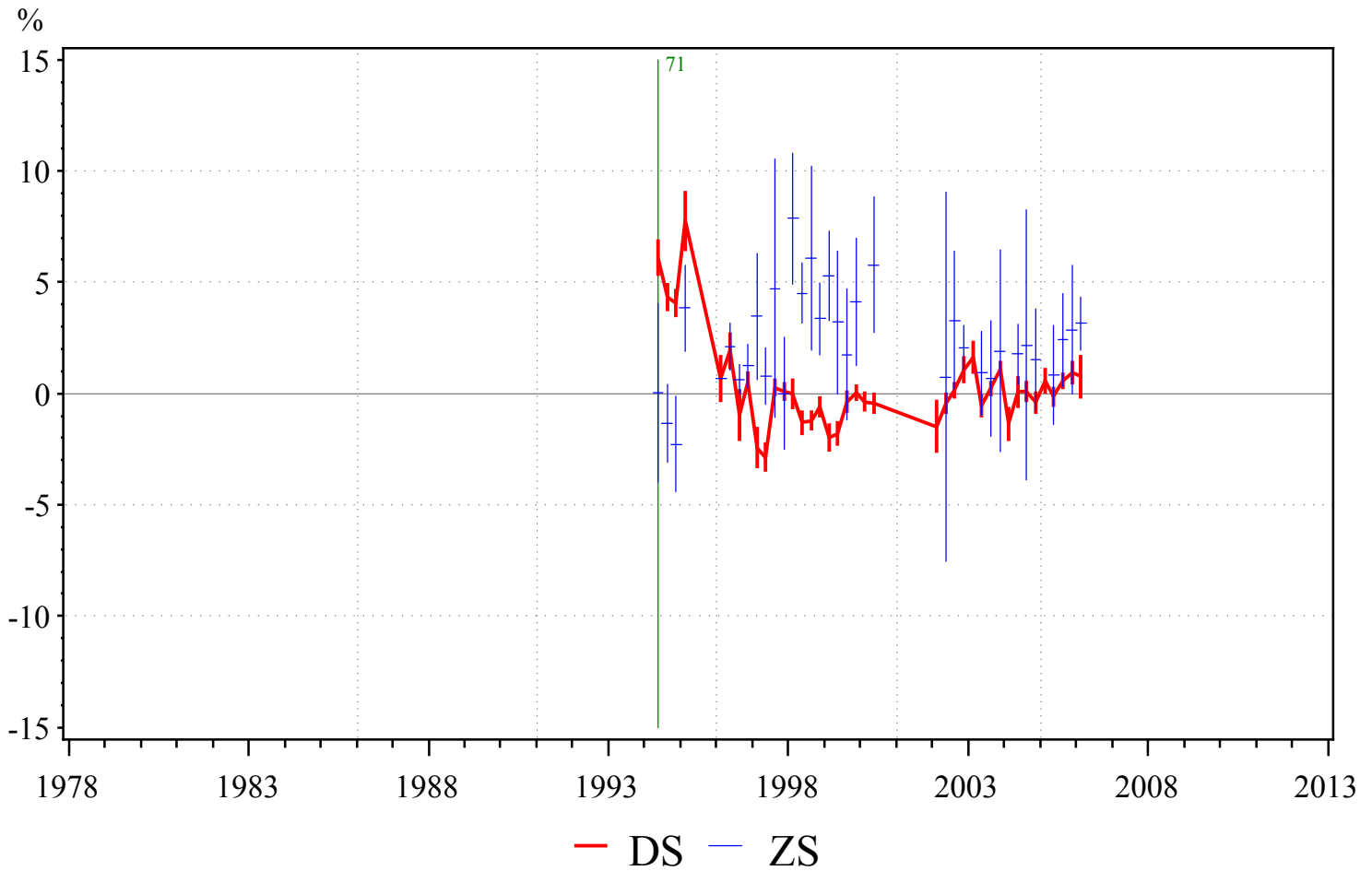
096 HRADEC KRALOVE, 50N, 16E, Brewer



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Obs	Direct Sun Statistics	1978-1985	1986-1990	1991-1995	1996-2000	2001-2005	2006-2010	Mean	Range
DS	Number of days	.	.	132	1189	1739	2701	1020	1607
	Bias	.	.	-0.38	0.13	0.31	-0.5	0.02	0.68
	Daily sigma	.	.	2.49	2.53	2.17	1.72	2.4	0.35
	Monthly sigma	.	.	0.72	1.12	1.11	0.52	0.98	0.39
	Seasonal ampl.	.	.	.	0.68	1.11	0.2	0.89	0.43
	Annual range	.	.	.	1.54	1.11	0.62	1.32	0.44
ZS	Number of days	.	.	84	486	558	684	376	474
	Bias	.	.	1.4	2.39	3.14	2.13	2.31	1.75
	Daily sigma	.	.	3.51	3.21	2.81	2.46	3.18	0.69
	Monthly sigma	.	.	0.98	1.58	1.41	1.01	1.32	0.6
	Seasonal ampl.	.	.	.	0.73	1.28	0.68	1	0.55
	Annual range	.	.	.	1.01	0.95	0.54	0.98	0.06

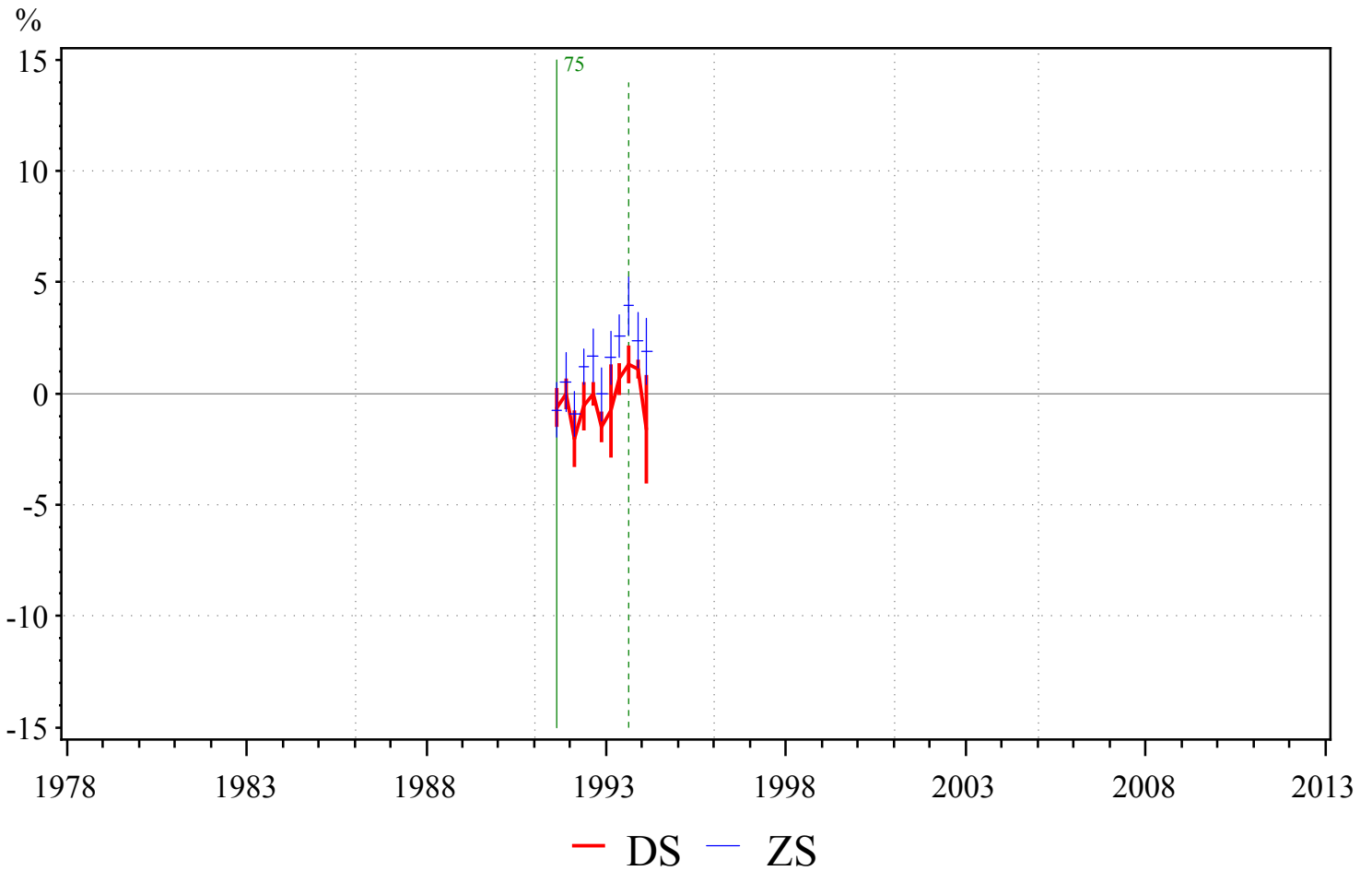
338 BRATTS LAKE (REGINA), 50N, 105W, Brewer



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Obs	Direct Sun Statistics	1978-1985	1986-1990	1991-1995	1996-2000	2001-2005	2006-2010	Mean	Range
DS	Number of days	.	.	148	1124	1159	.	810.33	1011
	Bias	.	.	5.11	-0.69	0.22	.	1.55	5.79
	Daily sigma	.	.	2.74	2.41	2.33	.	2.49	0.41
	Monthly sigma	.	.	1.72	1.34	1.19	.	1.42	0.53
	Seasonal ampl.	.	.	.	0.77	0.52	.	0.65	0.25
	Annual range	.	.	.	1.06	0.47	.	0.76	0.58
ZS	Number of days	.	.	17	127	84	.	76	110
	Bias	.	.	-0.77	3.48	2.19	.	1.63	4.25
	Daily sigma	.	.	3.43	4.65	3.43	.	3.84	1.22
	Monthly sigma	.	.	.	3.75	.	.	3.75	0

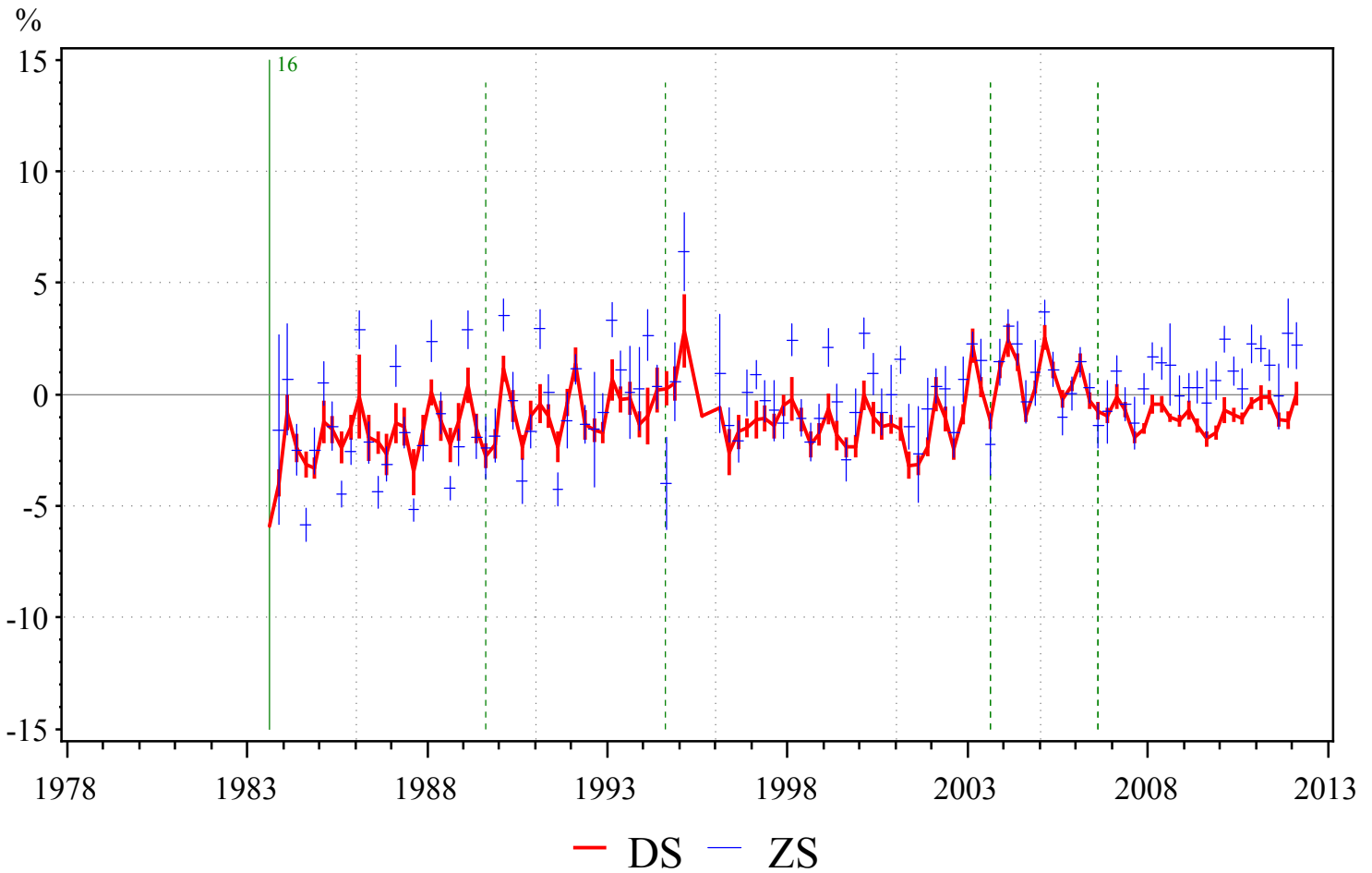
036 CAMBORNE, 50N, 5W, Brewer



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Obs	Direct Sun Statistics	1978-1985	1986-1990	1991-1995	1996-2000	2001-2005	2006-2010	Mean	Range
DS	Number of days	.	.	314	.	.	.	314	0
	Bias	.	.	-0.2	.	.	.	-0.2	0
	Daily sigma	.	.	2.8	.	.	.	2.8	0
	Monthly sigma	.	.	1.17	.	.	.	1.17	0
	Seasonal ampl.	.	.	1.09	.	.	.	1.09	0
	Annual range	.	.	1.38	.	.	.	1.38	0
ZS	Number of days	.	.	495	.	.	.	495	0
	Bias	.	.	1.11	.	.	.	1.11	0
	Daily sigma	.	.	4.35	.	.	.	4.35	0
	Monthly sigma	.	.	1.89	.	.	.	1.89	0
	Seasonal ampl.	.	.	0.88	.	.	.	0.88	0
	Annual range	.	.	2.58	.	.	.	2.58	0

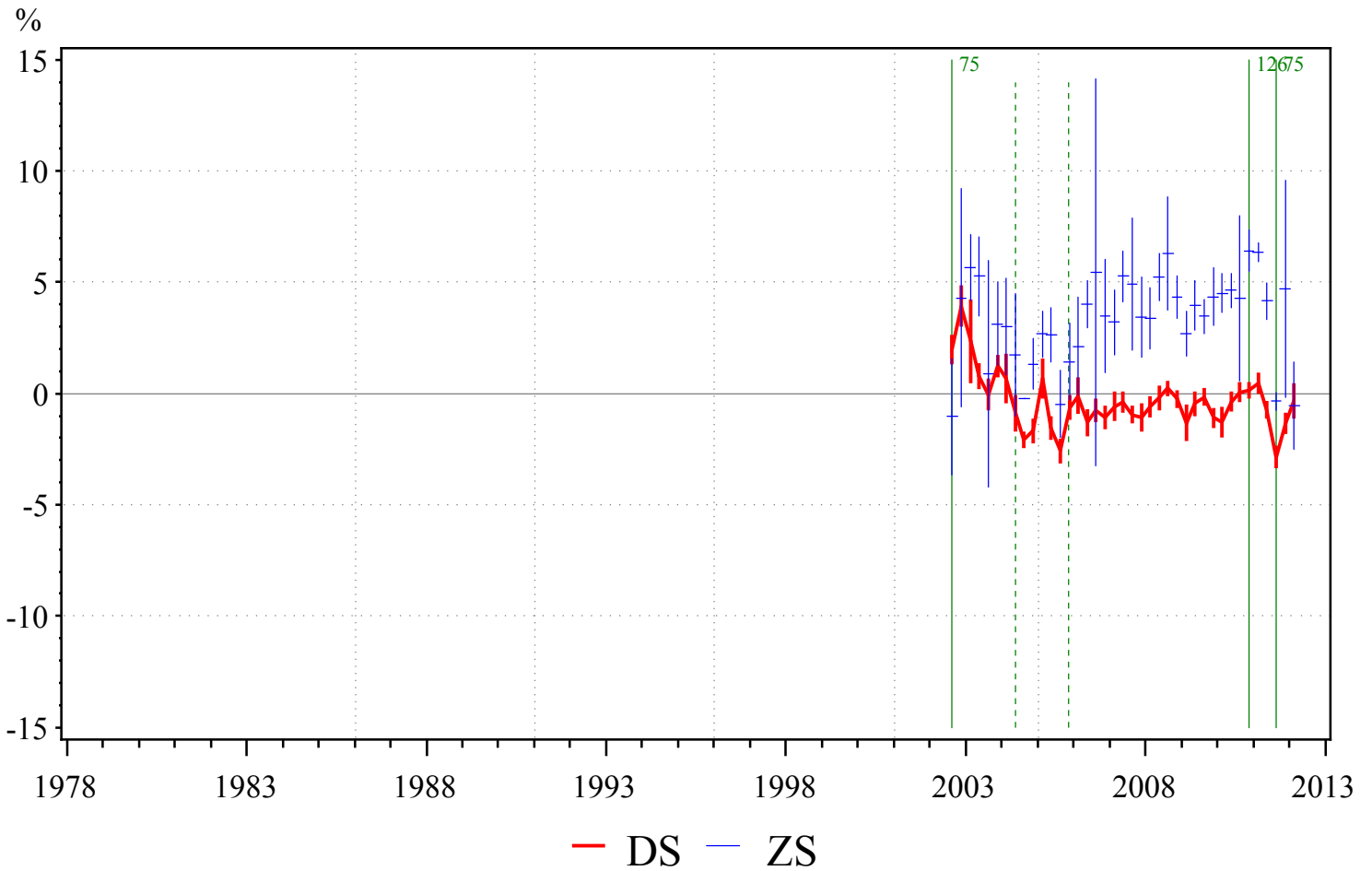
053 UCCLE, 51N, 4E, Brewer



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Obs	Direct Sun Statistics	1978-1985	1986-1990	1991-1995	1996-2000	2001-2005	2006-2010	Mean	Range
DS	Number of days	286	668	744	1027	2341	2521	1013.2	2055
	Bias	-2.3	-1.57	-0.67	-1.45	-0.14	-0.96	-1.23	2.16
	Daily sigma	2.06	2.47	2.6	2.22	2.9	1.97	2.45	0.83
	Monthly sigma	1.22	1.37	1.32	0.89	1.9	0.82	1.34	1
	Seasonal ampl.	.	1.66	0.73	0.57	1.62	0.68	1.15	1.08
	Annual range	1.03	0.96	1.79	1.02	2.82	1.17	1.52	1.86
ZS	Number of days	281	864	459	630	893	858	625.4	612
	Bias	-2.24	-1.28	0.5	0.23	1.18	0.82	-0.32	3.42
	Daily sigma	3.63	3.98	3.57	2.93	3.36	2.88	3.49	1.05
	Monthly sigma	2.68	2.85	2.48	1.82	1.92	1.35	2.35	1.03
	Seasonal ampl.	.	3.7	2.74	2.08	2.2	0.85	2.68	1.63
	Annual range	1.5	1.8	2.49	1.24	3.13	1.47	2.03	1.89

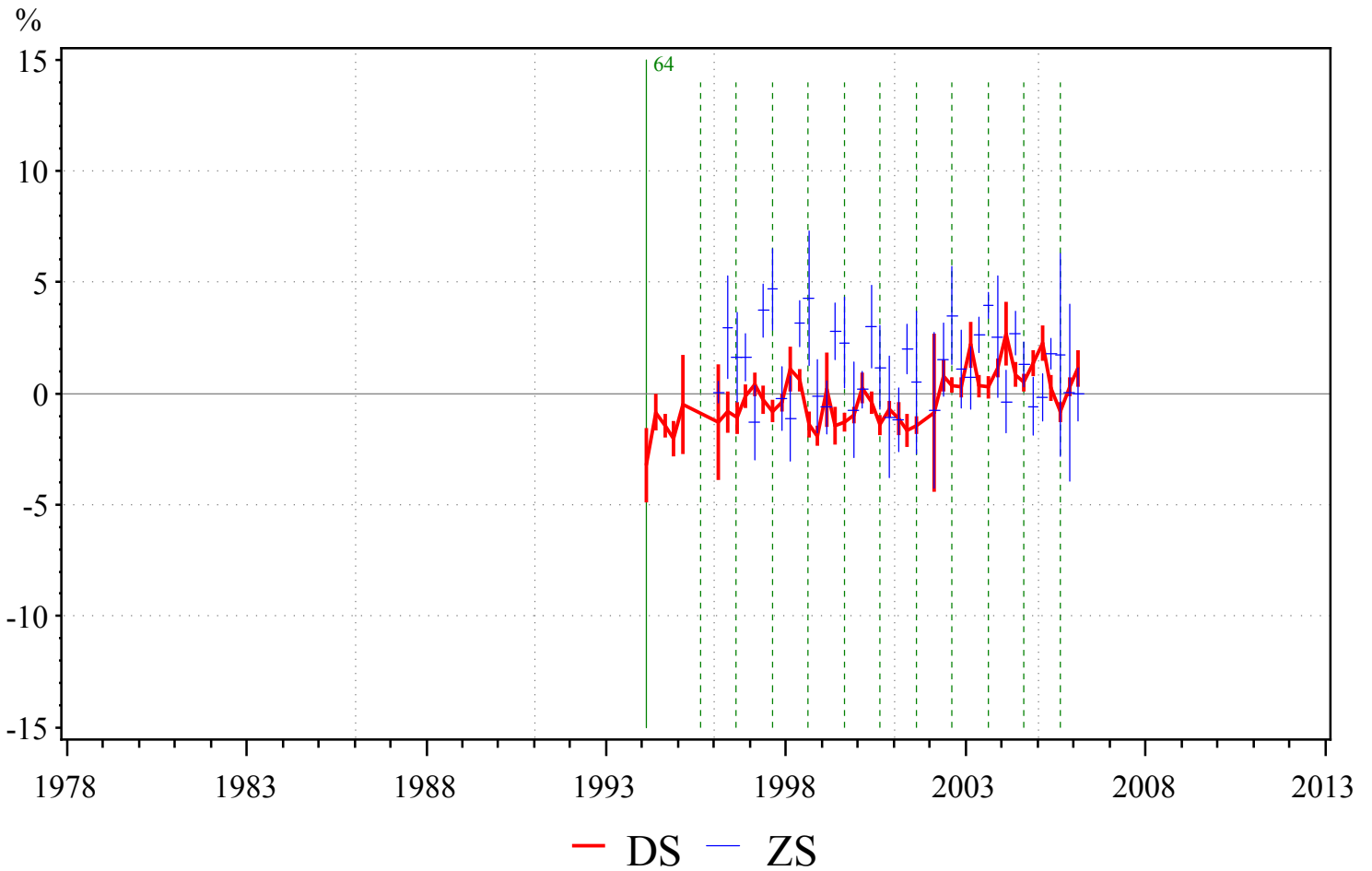
353 READING, 51N, 1W, Brewer



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Obs	Direct Sun Statistics	1978-1985	1986-1990	1991-1995	1996-2000	2001-2005	2006-2010	Mean	Range
DS	Number of days	.	.	.	.	942	1402	942	0
	Bias	.	.	.	.	0.11	-0.55	0.11	0
	Daily sigma	.	.	.	.	3.71	2.2	3.71	0
	Monthly sigma	.	.	.	.	2.13	0.88	2.13	0
	Seasonal ampl.	.	.	.	.	1.58	0.24	1.58	0
	Annual range	.	.	.	.	4.59	0.91	4.59	0
ZS	Number of days	.	.	.	.	217	338	217	0
	Bias	.	.	.	.	3.14	4.1	3.14	0
	Daily sigma	.	.	.	.	5.92	3.4	5.92	0
	Monthly sigma	2.63	1.81	2.63	0
	Seasonal ampl.	0.78	.	.
	Annual range	2.19	.	.

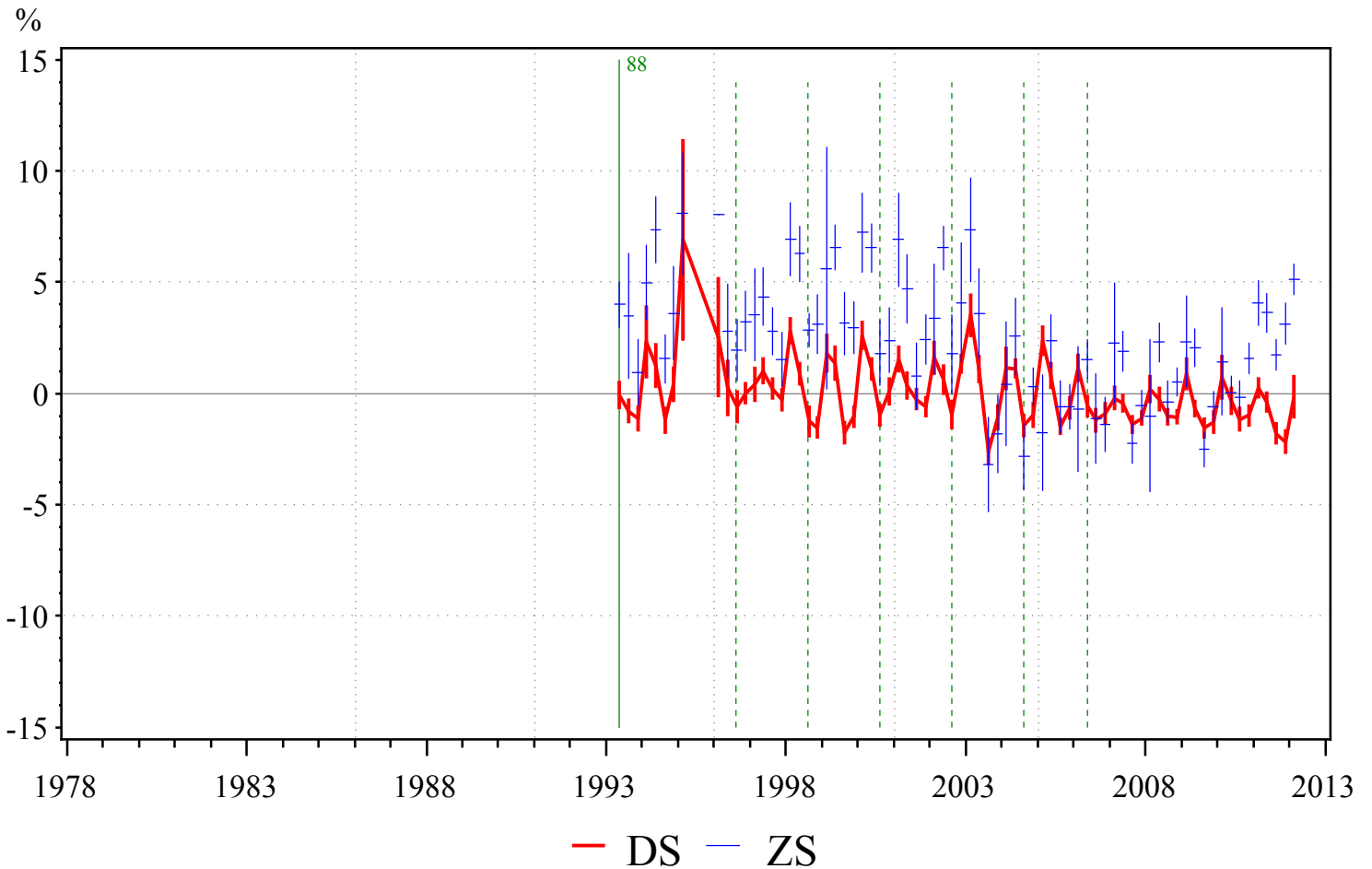
068 BELSK, 52N, 21E, Brewer



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Obs	Direct Sun Statistics	1978-1985	1986-1990	1991-1995	1996-2000	2001-2005	2006-2010	Mean	Range
DS	Number of days	.	.	167	1162	1075	.	801.33	995
	Bias	.	.	-1.35	-0.73	0.47	.	-0.54	1.82
	Daily sigma	.	.	3.36	2.54	2.44	.	2.78	0.92
	Monthly sigma	.	.	1.75	0.98	1.33	.	1.35	0.78
	Seasonal ampl.	.	.	.	0.76	0.94	.	0.85	0.17
	Annual range	.	.	.	0.62	2.49	.	1.55	1.88
ZS	Number of days	.	.	.	424	348	.	386	76
	Bias	.	.	.	0.42	1.02	.	0.72	0.6
	Daily sigma	.	.	.	4.68	4.53	.	4.6	0.16
	Monthly sigma	.	.	.	2.83	2.07	.	2.45	0.76
	Seasonal ampl.	.	.	.	2.86	1.65	.	2.26	1.21
	Annual range	.	.	.	1.95	0.75	.	1.35	1.19

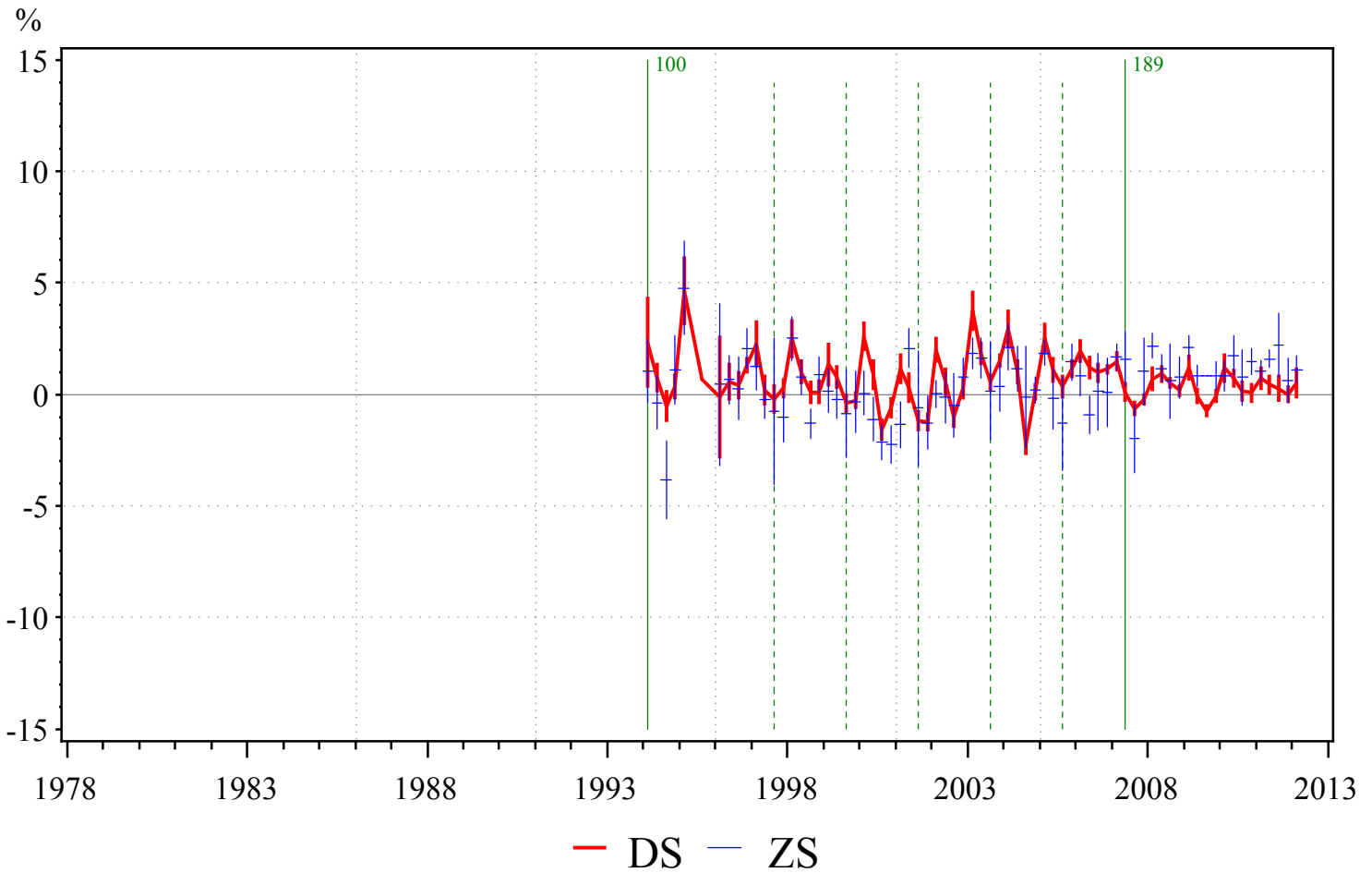
318 VALENTIA OBSERVATORY, 52N, 10W, Brewer



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Obs	Direct Sun Statistics	1978-1985	1986-1990	1991-1995	1996-2000	2001-2005	2006-2010	Mean	Range
DS	Number of days	.	.	291	1067	1200	1169	852.67	909
	Bias	.	.	0.13	0.2	0.1	-0.7	0.14	0.1
	Daily sigma	.	.	3.26	2.64	2.8	2.04	2.9	0.63
	Monthly sigma	.	.	1.31	1.54	1.71	0.89	1.52	0.4
	Seasonal ampl.	.	.	.	1.71	2.02	0.9	1.86	0.31
	Annual range	.	.	0.84	1.01	1.11	0.48	0.98	0.27
ZS	Number of days	.	.	140	405	382	441	309	265
	Bias	.	.	4.24	3.96	1.26	0.27	3.15	2.97
	Daily sigma	.	.	4.19	3.76	5.17	3.39	4.37	1.41
	Monthly sigma	.	.	2.58	2.12	3.77	1.85	2.83	1.65
	Seasonal ampl.	.	.	.	2.33	2.02	1.59	2.17	0.31
	Annual range	.	.	0.56	2.15	1.15	1.06	1.29	1.59

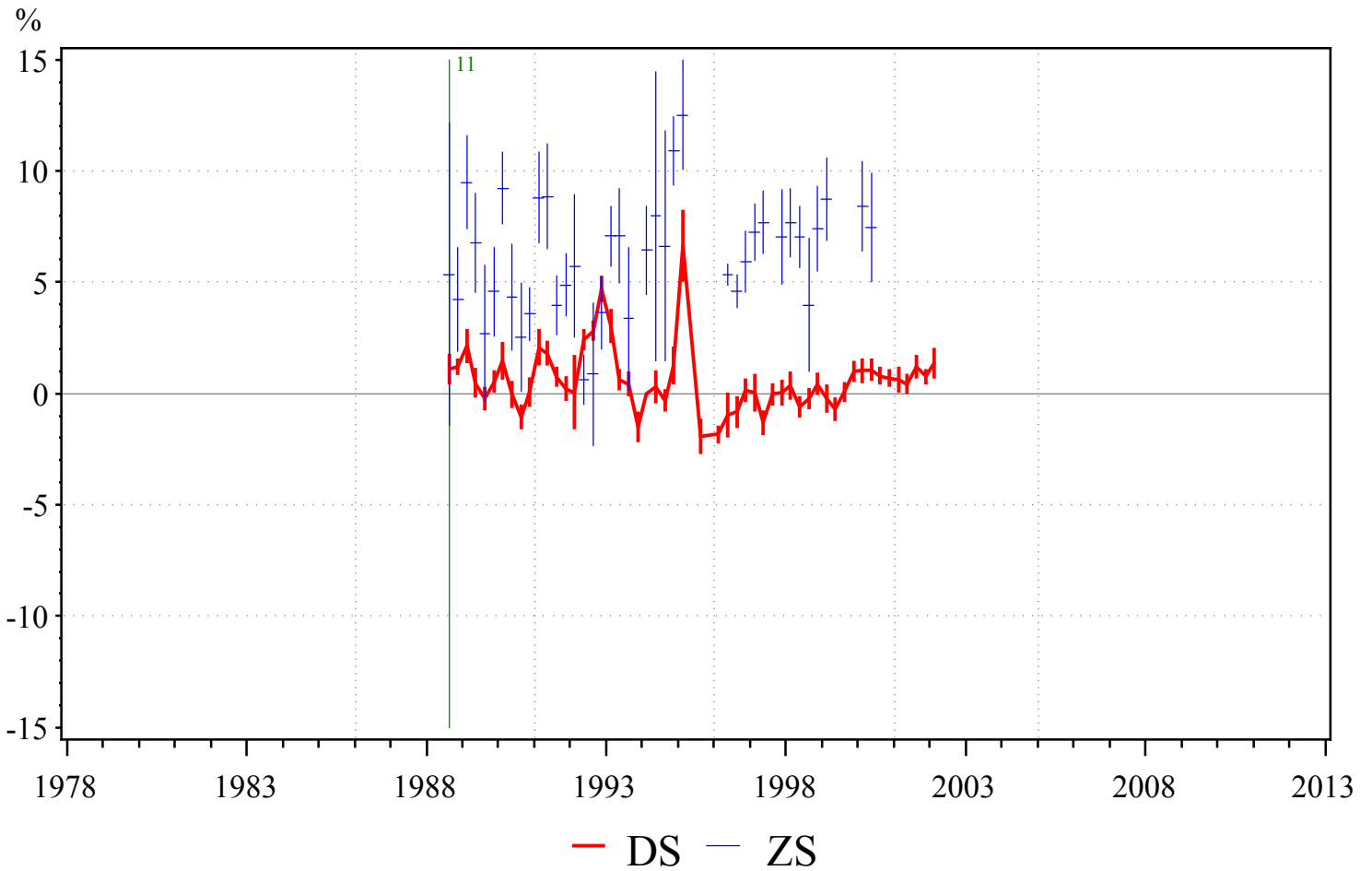
316 DE BILT, 52N, 5E, Brewer



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Obs	Direct Sun Statistics	1978-1985	1986-1990	1991-1995	1996-2000	2001-2005	2006-2010	Mean	Range
DS	Number of days	.	.	151	1085	1373	1458	869.67	1222
	Bias	.	.	0.53	0.39	0.58	0.44	0.5	0.19
	Daily sigma	.	.	2.57	2.4	2.59	1.83	2.52	0.19
	Monthly sigma	.	.	1.78	1.24	1.66	0.83	1.56	0.53
	Seasonal ampl.	.	.	.	1.33	1.8	0.58	1.57	0.48
	Annual range	.	.	.	1.13	2.1	1.4	1.62	0.97
ZS	Number of days	.	.	59	491	431	390	327	432
	Bias	.	.	0.69	-0.09	1.05	1.11	0.55	1.14
	Daily sigma	.	.	3.81	2.9	2.61	2.11	3.11	1.2
	Monthly sigma	.	.	2.1	1.69	1.38	0.99	1.72	0.72
	Seasonal ampl.	.	.	.	0.69	1.06	0.69	0.88	0.38
	Annual range	.	.	.	3.37	1.08	1.26	2.22	2.29

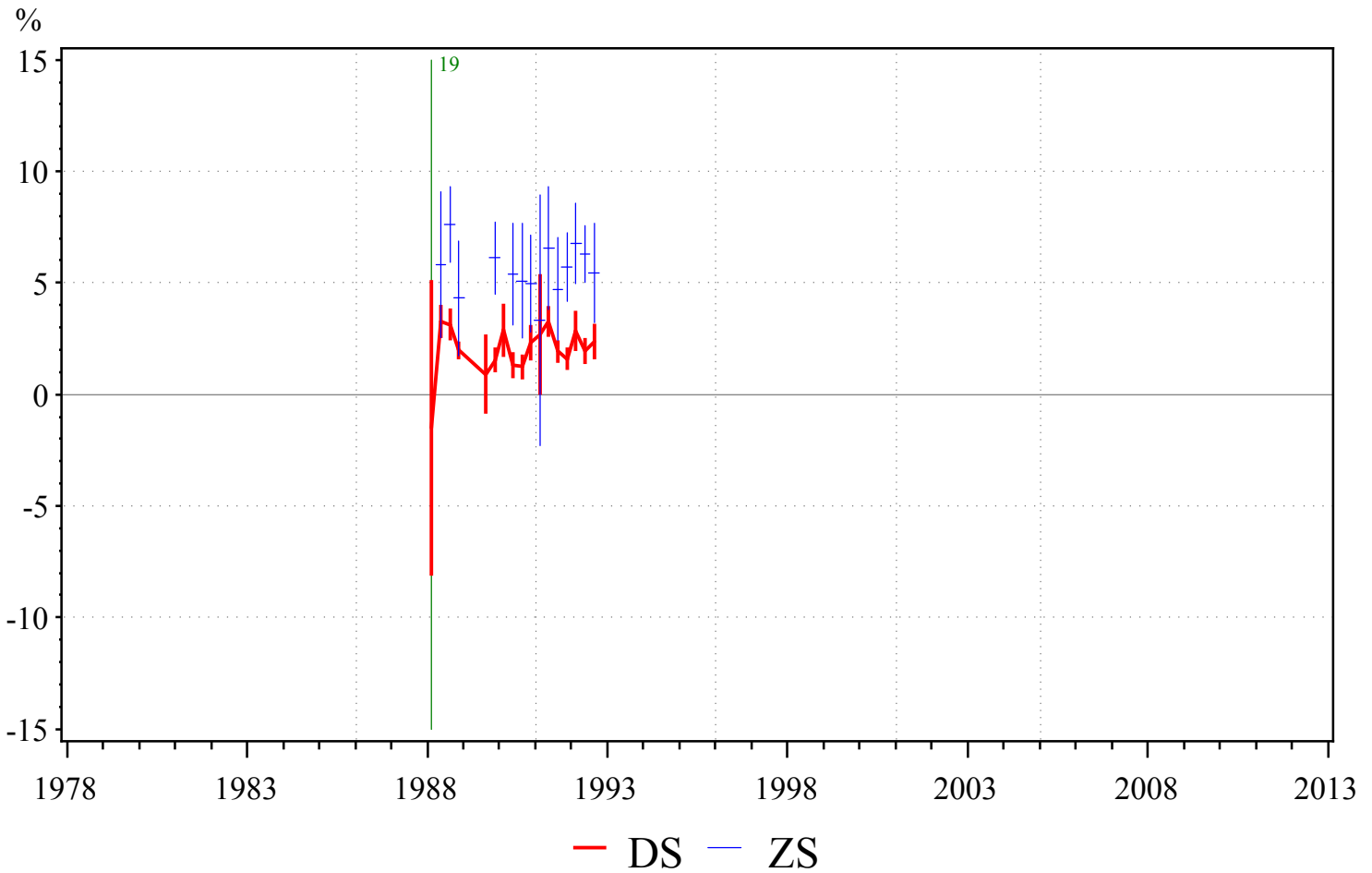
241 SASKATOON, 52N, 107W, Brewer



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Obs	Direct Sun Statistics	1978-1985	1986-1990	1991-1995	1996-2000	2001-2005	2006-2010	Mean	Range
DS	Number of days	.	762	899	1127	298	.	771.5	829
	Bias	.	0.55	1.4	0.14	0.98	.	0.77	1.26
	Daily sigma	.	2.94	3.25	2.13	2.06	.	2.6	1.18
	Monthly sigma	.	1.36	2.29	1	0.57	.	1.31	1.72
	Seasonal ampl.	.	1.24	0.58	0.27	.	.	0.7	0.96
	Annual range	.	1.21	2.46	1.28	.	.	1.65	1.25
ZS	Number of days	.	101	129	132	.	.	120.67	31
	Bias	.	7.13	6.02	7.39	.	.	6.84	1.37
	Daily sigma	.	5.19	4.16	3.28	.	.	4.21	1.91
	Monthly sigma	.	2.21	2.34	0.95	.	.	1.83	1.4

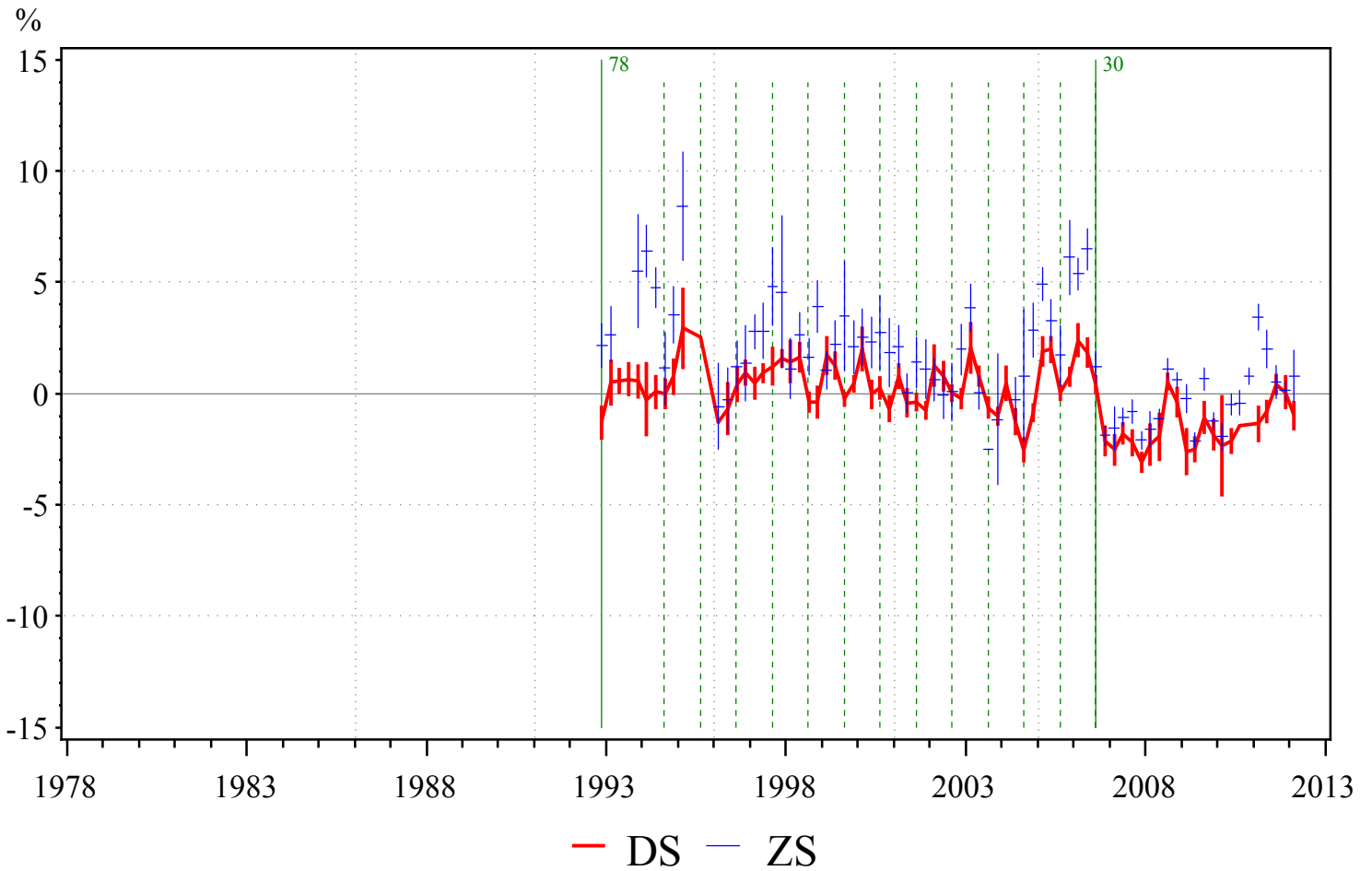
291 ASQUITH (GRANDORA), 52N, 107W, Brewer



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Obs	Direct Sun Statistics	1978-1985	1986-1990	1991-1995	1996-2000	2001-2005	2006-2010	Mean	Range
DS	Number of days	.	454	385	.	.	.	419.5	69
	Bias	.	2.06	2.27	.	.	.	2.17	0.22
	Daily sigma	.	3.17	2.61	.	.	.	2.89	0.56
	Monthly sigma	.	1.15	1.05	.	.	.	1.1	0.1
	Seasonal ampl.	.	0.66	0.58	.	.	.	0.62	0.08
	Annual range	.	0.99	0.18	.	.	.	0.58	0.81
ZS	Number of days	.	59	69	.	.	.	64	10
	Bias	.	6.58	6.05	.	.	.	6.31	0.54
	Daily sigma	.	10.28	5.28	.	.	.	7.78	5
	Monthly sigma	.	.	0.2	.	.	.	0.2	0

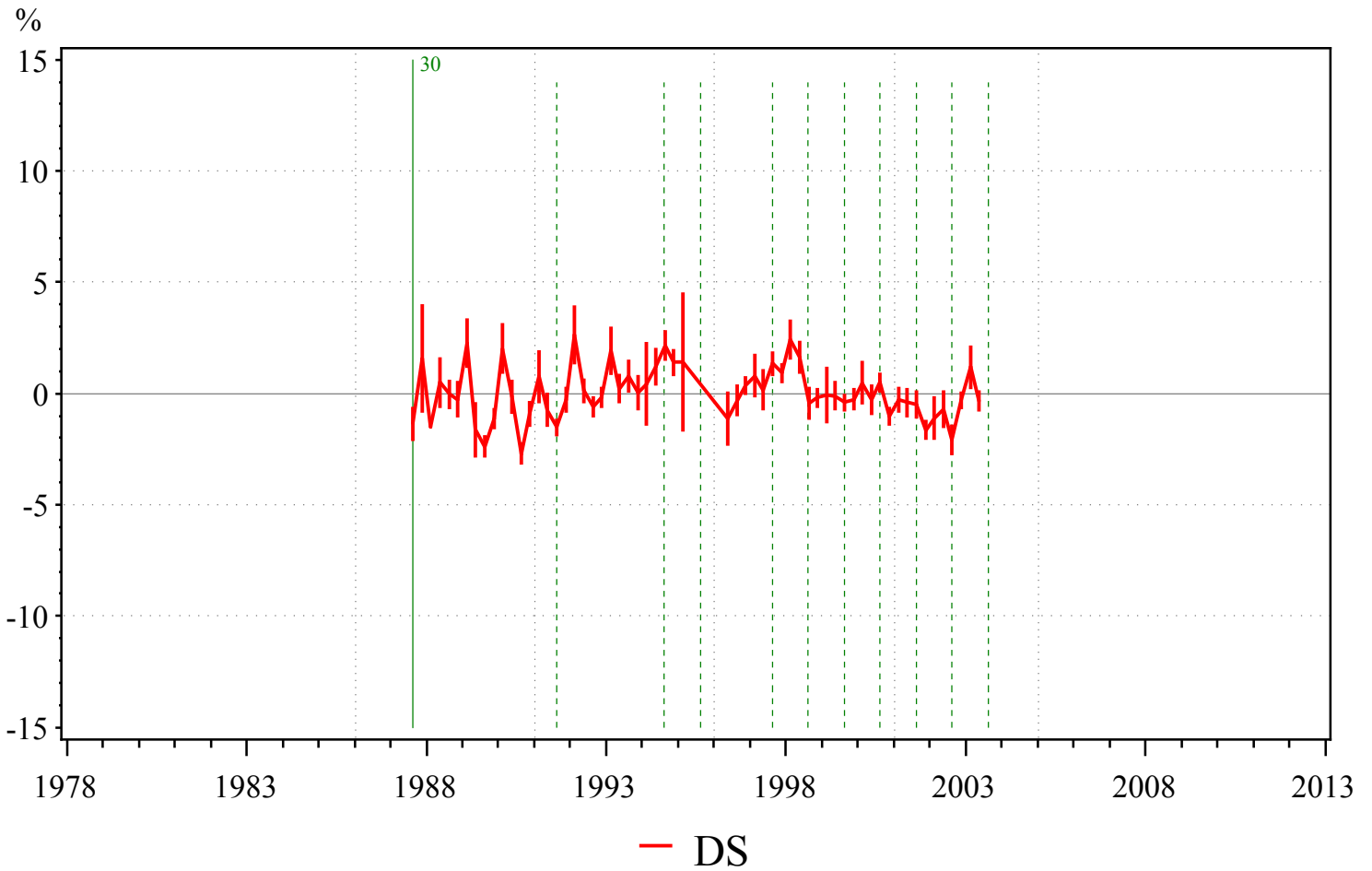
174 LINDENBERG, 52N, 14E, Brewer



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Obs	Direct Sun Statistics	1978-1985	1986-1990	1991-1995	1996-2000	2001-2005	2006-2010	Mean	Range
DS	Number of days	.	.	401	909	1156	446	822	755
	Bias	.	.	0.3	0.49	-0.01	-0.67	0.26	0.5
	Daily sigma	.	.	2.73	2.32	2.49	2.52	2.51	0.41
	Monthly sigma	.	.	1.42	1.18	1.53	1.94	1.38	0.34
	Seasonal ampl.	.	.	0.32	0.69	1.34	0.9	0.78	1.02
	Annual range	.	.	0.43	0.98	2.16	2.98	1.19	1.73
ZS	Number of days	.	.	140	453	424	1416	339	313
	Bias	.	.	4.34	2.2	2.33	-0.38	2.96	2.14
	Daily sigma	.	.	3.98	3.36	3.46	2.89	3.6	0.63
	Monthly sigma	.	.	2.54	1.61	2.33	2.04	2.16	0.93
	Seasonal ampl.	.	.	.	0.55	1.41	0.3	0.98	0.85
	Annual range	.	.	.	2.2	3.65	2.02	2.93	1.45

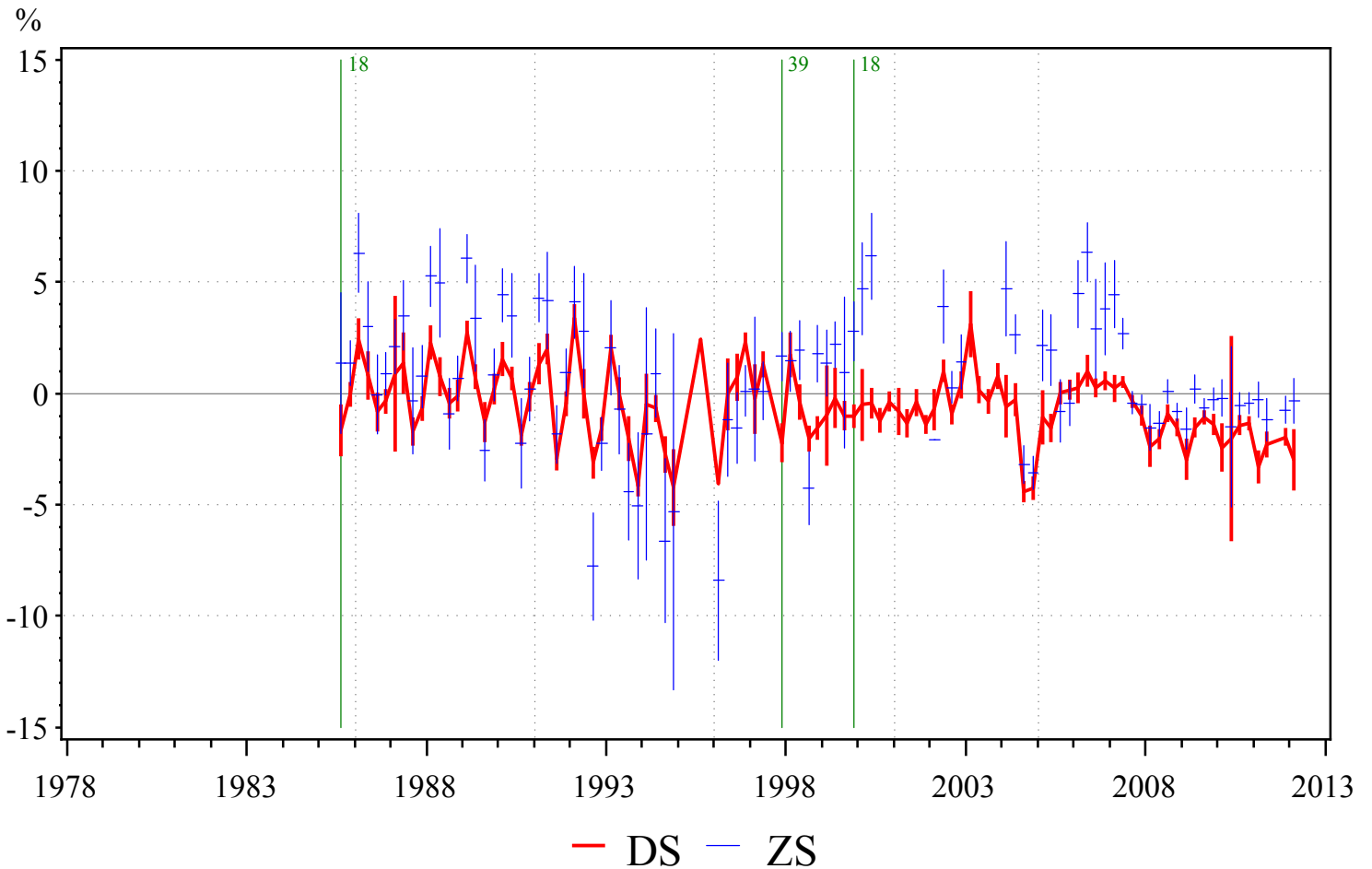
050 POTSDAM, 52N, 13E, Brewer



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Obs	Direct Sun Statistics	1978-1985	1986-1990	1991-1995	1996-2000	2001-2005	2006-2010	Mean	Range
DS	Number of days	.	616	764	1062	501	.	735.75	561
	Bias	.	-0.95	0.26	0.16	-0.62	.	-0.29	1.21
	Daily sigma	.	2.87	2.73	2.72	2.46	.	2.7	0.41
	Monthly sigma	.	1.66	1.43	1.3	1.19	.	1.39	0.46
	Seasonal ampl.	.	1.8	0.68	0.29	0.62	.	0.85	1.51
	Annual range	.	1.61	2.2	1.19	0.91	.	1.48	1.29

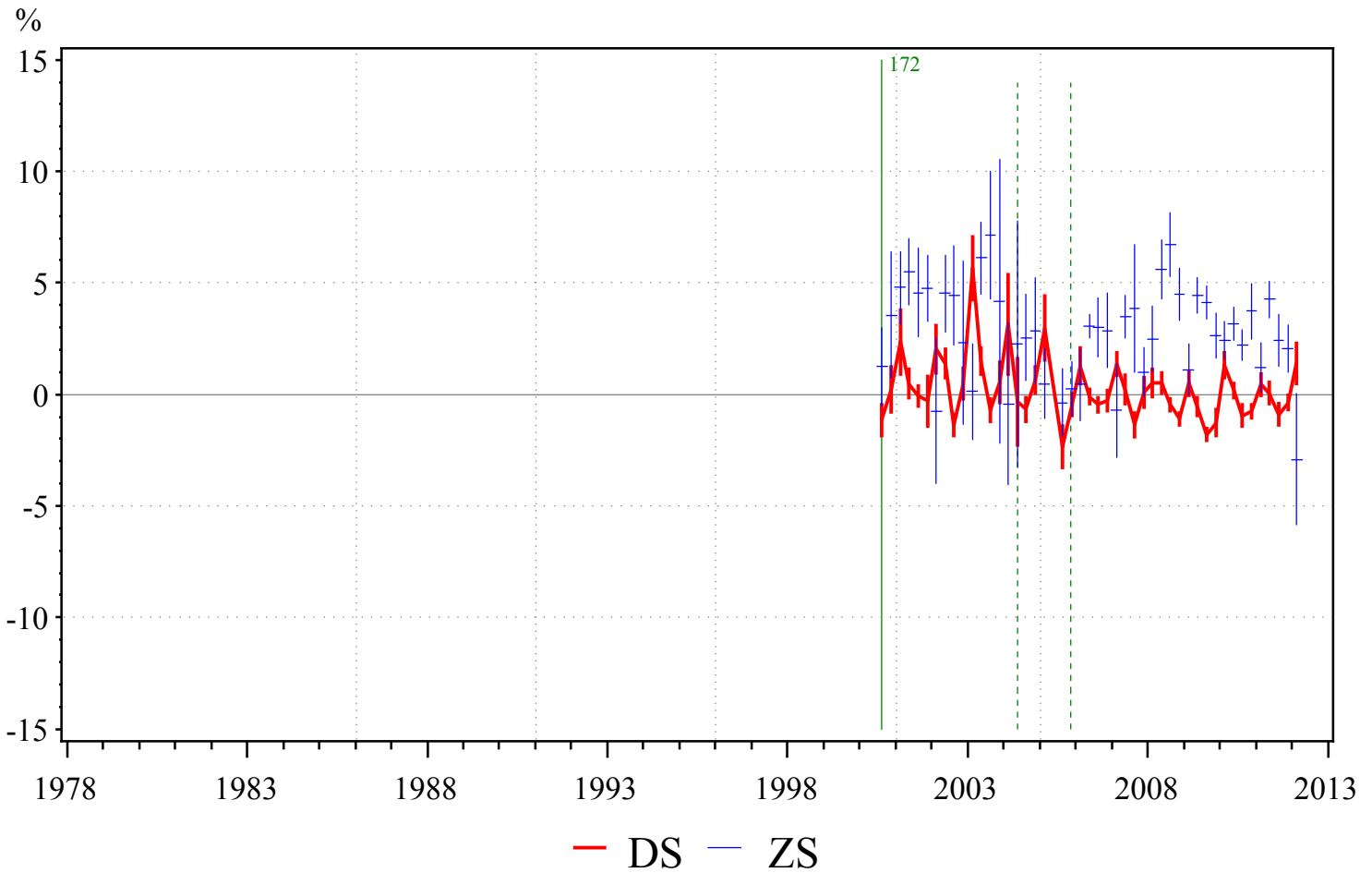
076 GOOSE BAY, 53N, 60W, Brewer



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Obs	Direct Sun Statistics	1978-1985	1986-1990	1991-1995	1996-2000	2001-2005	2006-2010	Mean	Range
DS	Number of days	83	916	702	771	995	1242	693.4	912
	Bias	0.11	0.18	-0.7	-0.43	-0.8	-0.73	-0.33	0.98
	Daily sigma	2.53	2.9	4.01	2.98	2.67	2.06	3.02	1.48
	Monthly sigma	1.59	1.58	2.73	1.46	1.78	1.3	1.83	1.27
	Seasonal ampl.	.	2.02	2.58	0.16	0.94	0.49	1.43	2.42
	Annual range	.	1.19	1.19	2.54	3.21	2.26	2.03	2.02
ZS	Number of days	51	500	249	374	228	1340	280.4	449
	Bias	2.23	2.48	-0.65	1.31	0.48	0.19	1.17	3.13
	Daily sigma	3.5	4.72	7.57	4.46	3.61	3.63	4.77	4.07
	Monthly sigma	2.32	2.73	4.03	2.35	2.62	2.84	2.81	1.71
	Seasonal ampl.	.	3.26	.	1.34	.	0.5	2.3	1.92
	Annual range	.	0.17	3.34	1.77	1.93	6.72	1.8	3.17

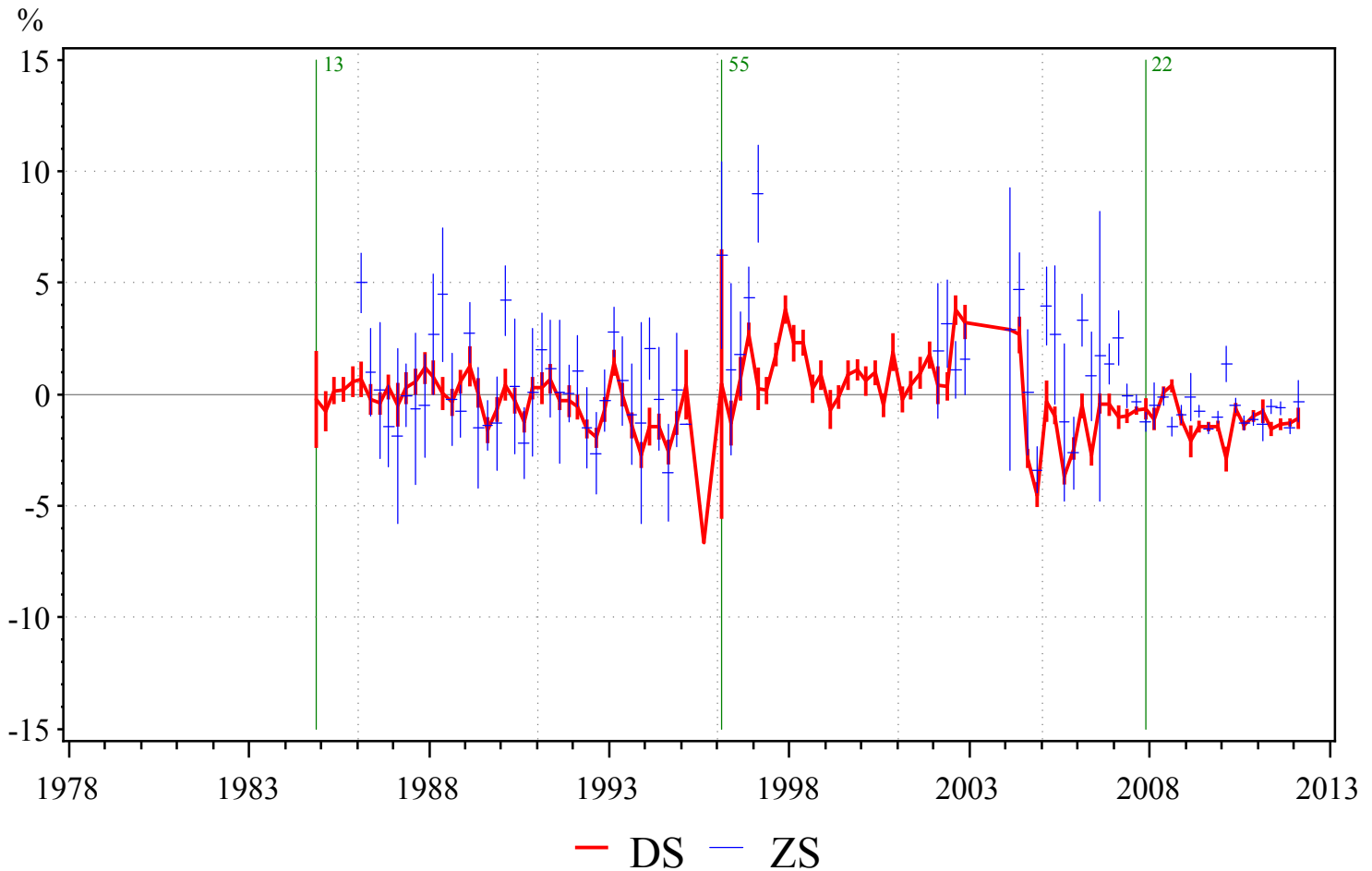
352 MANCHESTER, 53N, 2W, Brewer



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Obs	Direct Sun Statistics	1978-1985	1986-1990	1991-1995	1996-2000	2001-2005	2006-2010	Mean	Range
DS	Number of days	.	.	.	106	982	1201	544	876
	Bias	.	.	.	0.66	0.65	-0.28	0.66	0.01
	Daily sigma	.	.	.	5.79	3.61	2.14	4.7	2.18
	Monthly sigma	.	.	.	2.12	2.09	1.02	2.11	0.03
	Seasonal ampl.	.	.	.	.	2.35	1.02	2.35	0
	Annual range	.	.	.	.	1.46	0.93	1.46	0
ZS	Number of days	.	.	.	42	293	450	167.5	251
	Bias	.	.	.	3.85	2.07	2.39	2.96	1.78
	Daily sigma	.	.	.	6.11	6.93	4.06	6.52	0.82
	Monthly sigma	.	.	.	1.69	5.14	2.57	3.41	3.44
	Seasonal ampl.	2.02	.	.
	Annual range	0.53	3.2	0.53	0

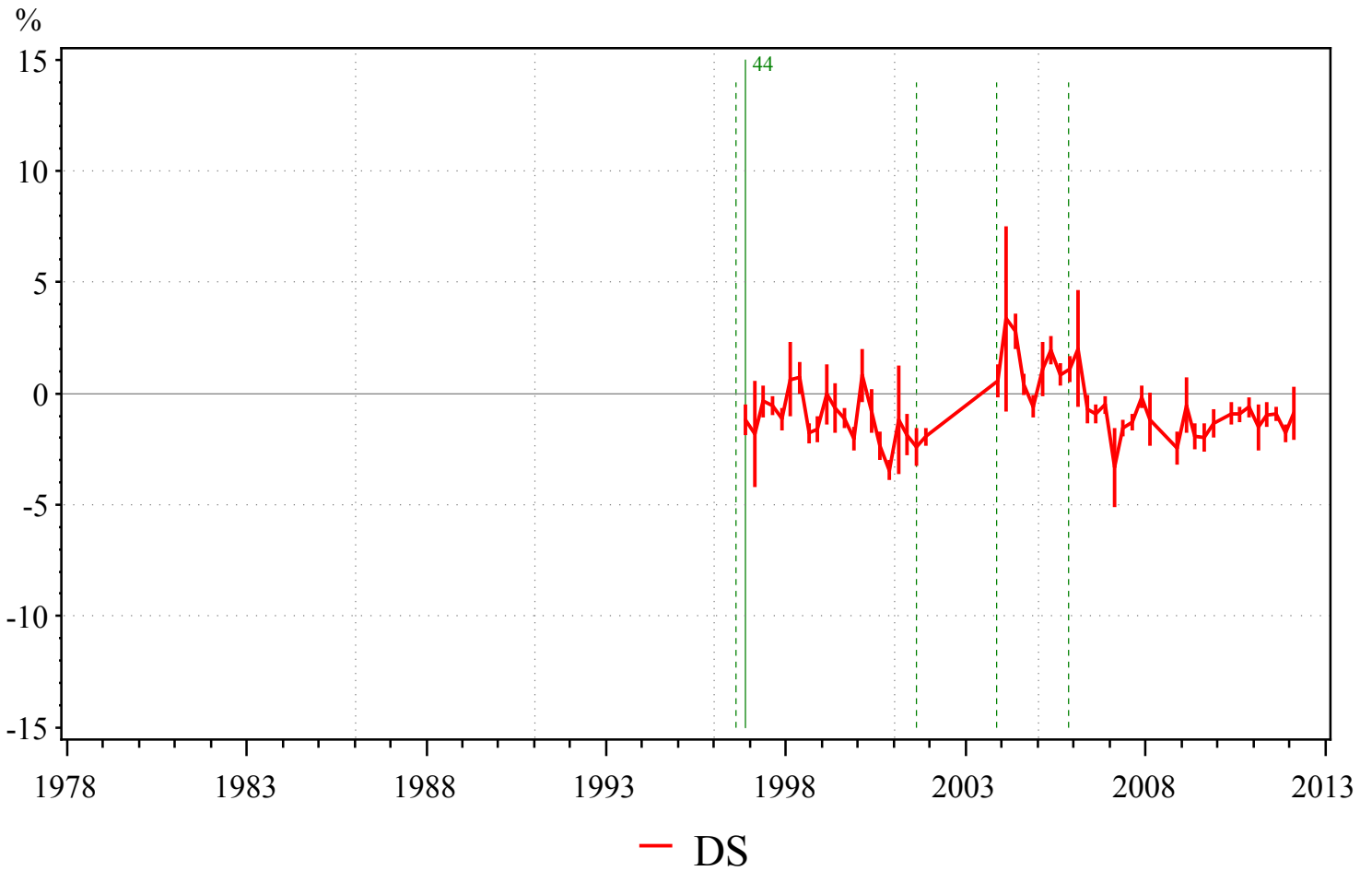
021 EDMONTON / STONY PLAIN, 54N, 114W, Brewer



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Obs	Direct Sun Statistics	1978-1985	1986-1990	1991-1995	1996-2000	2001-2005	2006-2010	Mean	Range
DS	Number of days	278	1244	946	1197	989	2314	930.8	966
	Bias	0.22	-0.03	-0.85	1.02	-0.19	-0.97	0.03	1.87
	Daily sigma	2.81	2.63	2.46	2.79	3.63	1.89	2.86	1.17
	Monthly sigma	1.06	1.26	1.39	1.5	2.71	1.05	1.58	1.65
	Seasonal ampl.	.	0.79	0.97	0.65	0.53	0.3	0.74	0.44
	Annual range	.	0.93	1.67	1.56	4.52	1.26	2.17	3.59
ZS	Number of days	.	277	195	37	100	1802	152.25	240
	Bias	.	1.51	0.65	3.68	1.13	-0.71	1.74	3.03
	Daily sigma	.	4.68	3.68	3.63	5.01	2.33	4.25	1.38
	Monthly sigma	.	2.7	1.54	.	4.99	1.34	3.08	3.45
	Seasonal ampl.	0.91	.	.
	Annual range	.	0.35	.	.	.	0.68	0.35	0

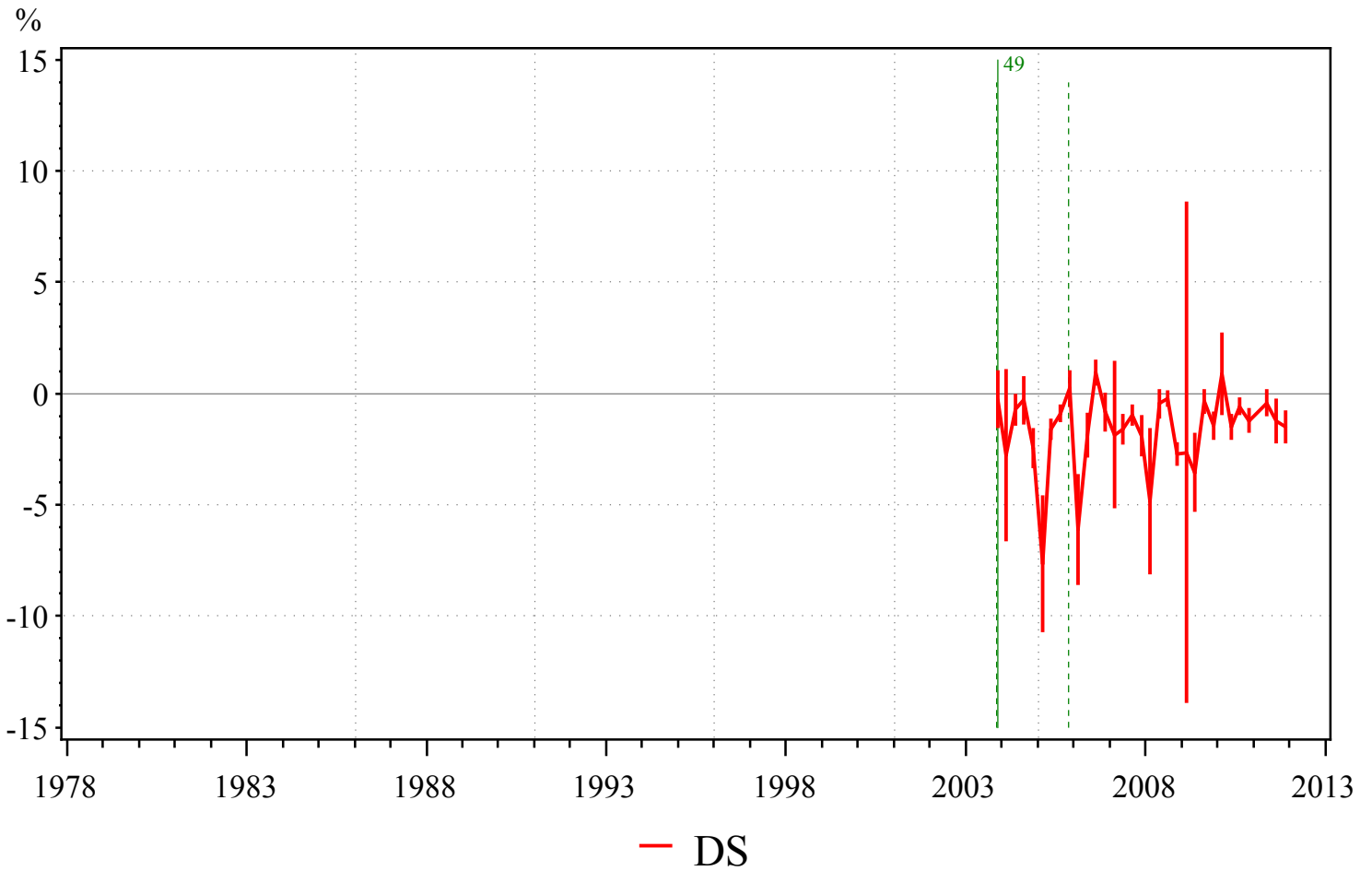
307 OBNINSK, 55N, 36E, Brewer



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Obs	Direct Sun Statistics	1978-1985	1986-1990	1991-1995	1996-2000	2001-2005	2006-2010	Mean	Range
DS	Number of days	.	.	.	807	546	823	676.5	261
	Bias	.	.	.	-1.27	0.17	-1.02	-0.55	1.45
	Daily sigma	.	.	.	2.45	2.85	2.88	2.65	0.4
	Monthly sigma	.	.	.	1.29	1.92	0.75	1.61	0.63
	Seasonal ampl.	.	.	.	1.03	1.42	0.34	1.23	0.39
	Annual range	.	.	.	1.87	3.29	1.12	2.58	1.42

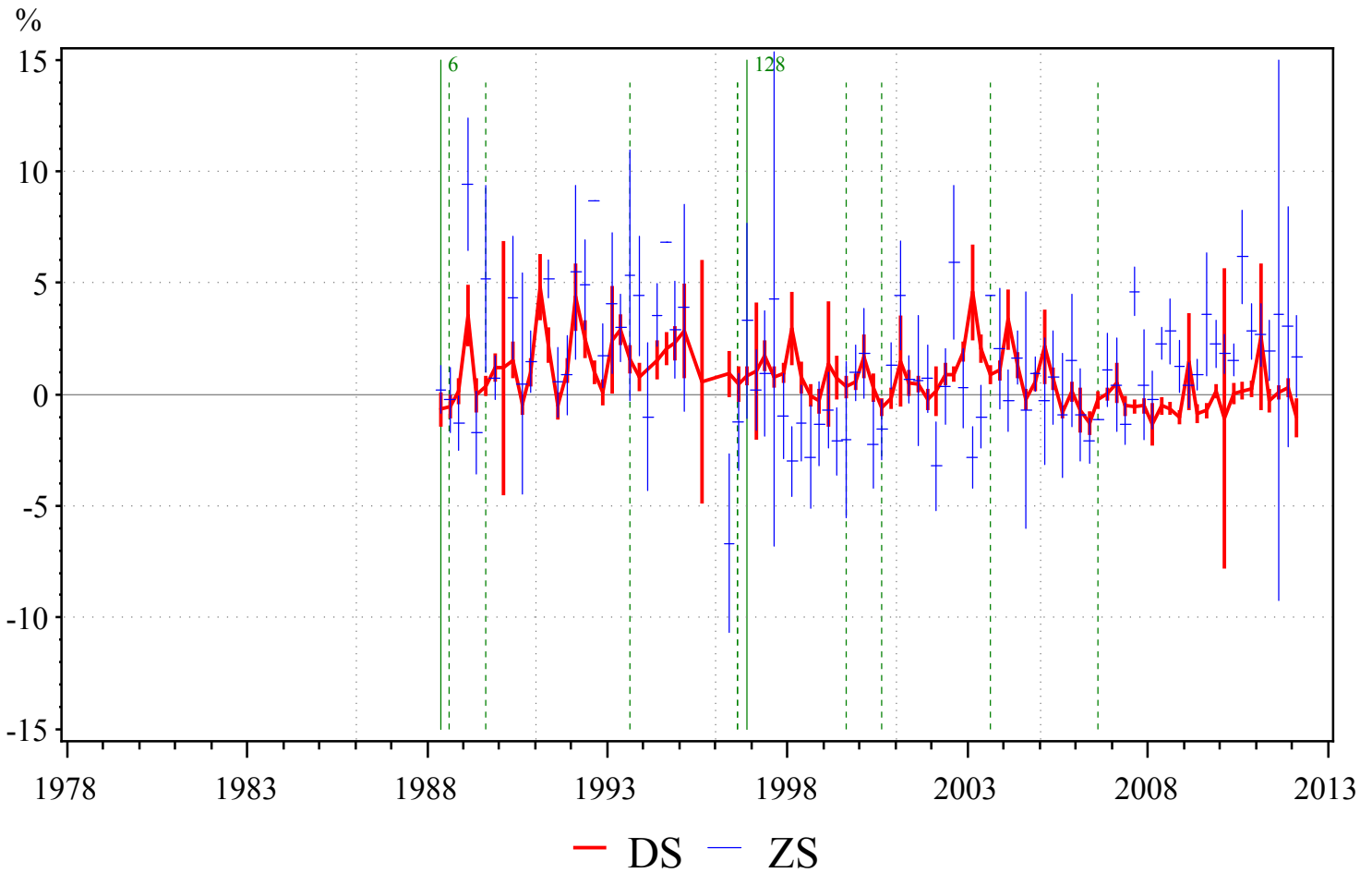
481 TOMSK, 57N, 85E, Brewer



17:21 Wednesday, October 31, 2012 84

Obs	Direct Sun Statistics	1978-1985	1986-1990	1991-1995	1996-2000	2001-2005	2006-2010	Mean	Range
DS	Number of days	.	.	.	.	433	1067	433	0
	Bias	.	.	.	.	-1.24	-1.12	-1.24	0
	Daily sigma	.	.	.	.	3.85	3.09	3.85	0
	Monthly sigma	.	.	.	.	1.92	2.13	1.92	0
	Seasonal ampl.	.	.	.	.	1.15	1.57	1.15	0
	Annual range	.	.	.	.	0.29	1.23	0.29	0

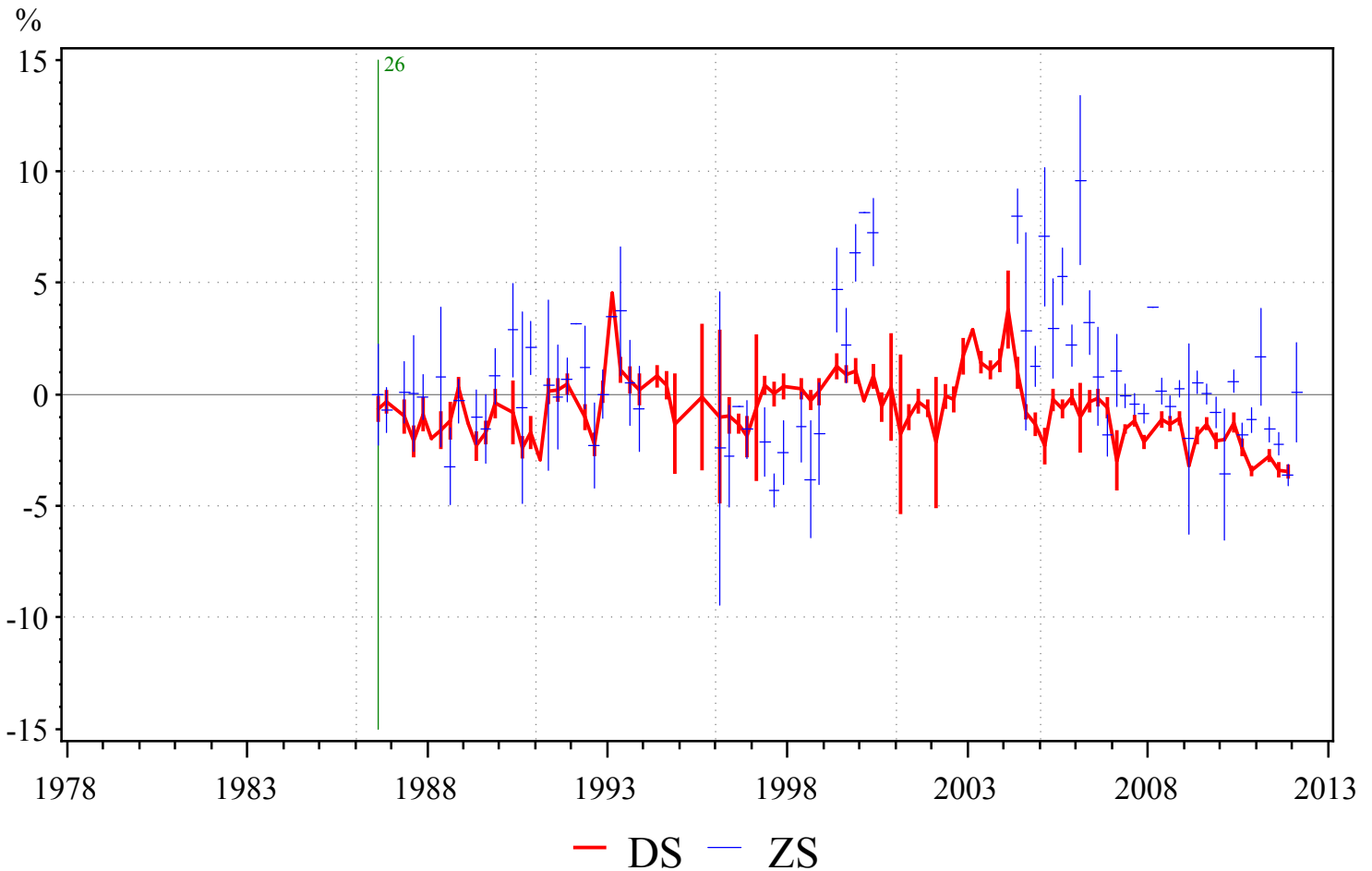
279 NORRKOEPING, 59N, 16E, Brewer



17:21 Wednesday, October 31, 2012 85

Obs	Direct Sun Statistics	1978-1985	1986-1990	1991-1995	1996-2000	2001-2005	2006-2010	Mean	Range
DS	Number of days	.	681	785	1023	1181	1152	917.5	500
	Bias	.	0.48	1.44	0.49	0.66	-0.37	0.77	0.97
	Daily sigma	.	2.97	3.1	2.37	2.15	1.71	2.65	0.94
	Monthly sigma	.	1.59	1.74	0.95	0.93	0.68	1.3	0.81
	Seasonal ampl.	.	1.77	1.56	0.9	0.73	0.24	1.24	1.04
	Annual range	.	0.69	1.3	1.28	1.35	0.88	1.15	0.66
ZS	Number of days	.	128	169	310	383	482	247.5	255
	Bias	.	1.31	3.27	-0.93	0.26	0.7	0.98	4.19
	Daily sigma	.	4.74	4.47	4.79	6.25	4.48	5.06	1.78
	Monthly sigma	.	4.12	2.5	2.7	3.14	1.9	3.12	1.62
	Seasonal ampl.	.	.	.	1.15	0.72	1.93	0.93	0.43
	Annual range	.	.	.	1.24	3.44	2.56	2.34	2.19

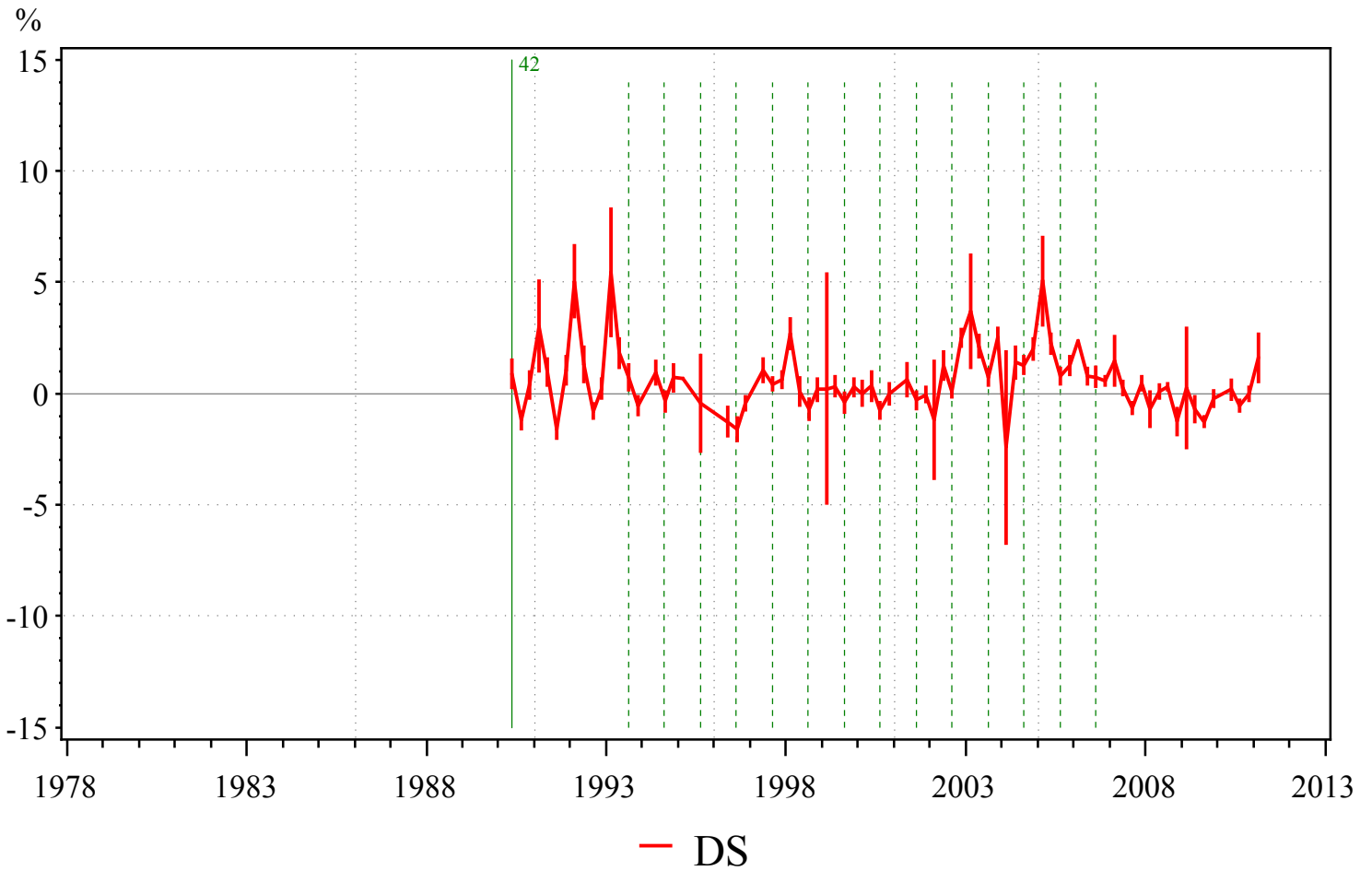
077 CHURCHILL, 59N, 94W, Brewer



17:21 Wednesday, October 31, 2012 86

Obs	Direct Sun Statistics	1978-1985	1986-1990	1991-1995	1996-2000	2001-2005	2006-2010	Mean	Range
DS	Number of days	.	713	688	787	910	1682	774.5	222
	Bias	.	-1.26	-0.04	0.12	-0.02	-1.55	-0.3	1.38
	Daily sigma	.	2.57	2.49	2.92	2.26	2.02	2.56	0.67
	Monthly sigma	.	1.58	1.51	1.27	1.23	1.13	1.4	0.35
	Seasonal ampl.	.	1.51	1.45	0.58	0.22	0.9	0.94	1.29
	Annual range	.	1.41	1.9	2.27	2.09	1.9	1.92	0.86
ZS	Number of days	.	274	133	137	109	1063	163.25	165
	Bias	.	-0.01	0.18	0.93	4.86	-0.33	1.49	4.87
	Daily sigma	.	4.02	3.98	5.52	4.5	2.68	4.51	1.54
	Monthly sigma	.	1.96	1.12	5.71	3.45	1.7	3.06	4.58
	Seasonal ampl.	.	.	.	.	.	0.83	.	.
	Annual range	.	.	.	.	.	0.88	.	.

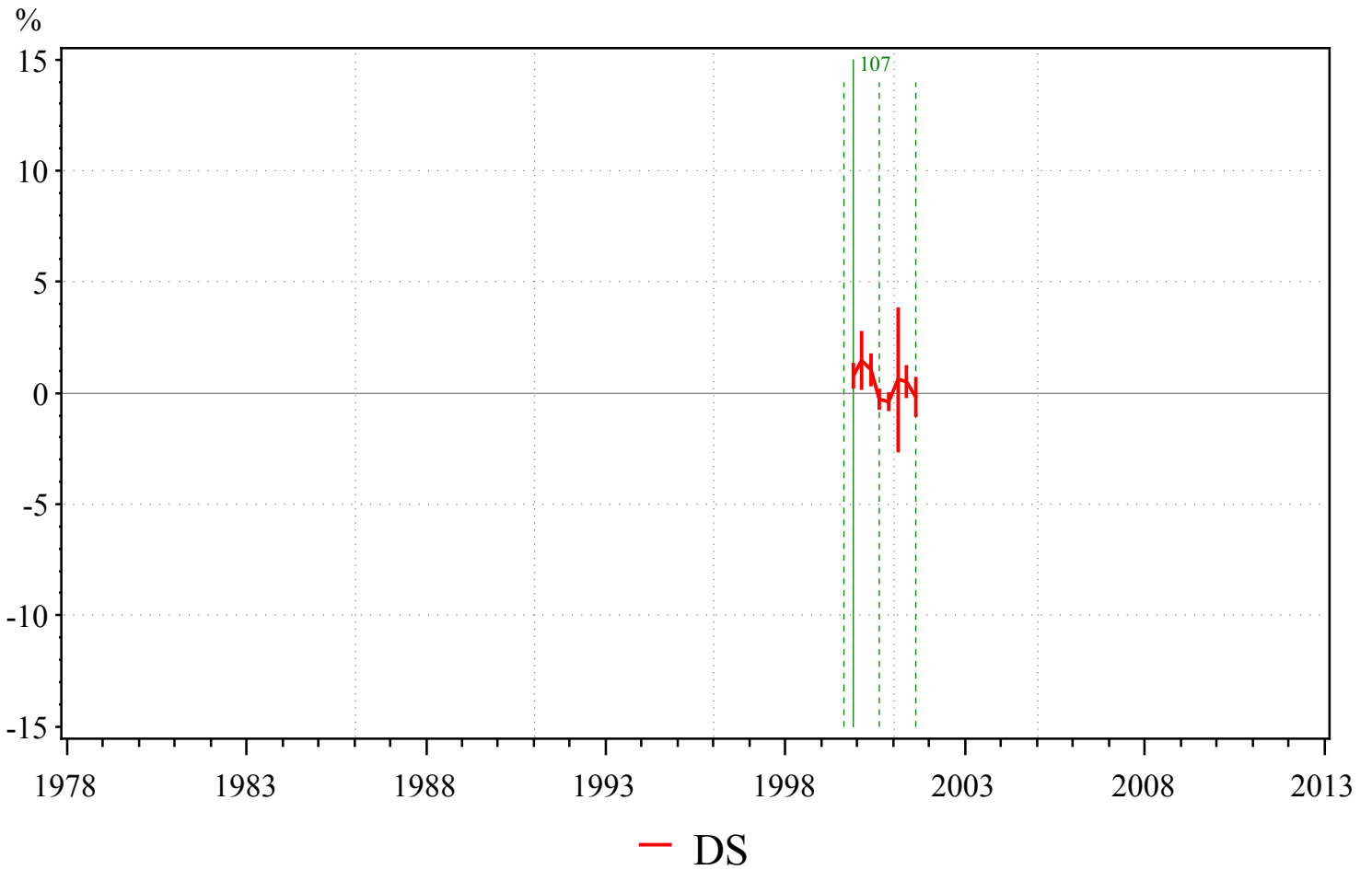
165 OSLO, 60N, 11E, Brewer



17:21 Wednesday, October 31, 2012 87

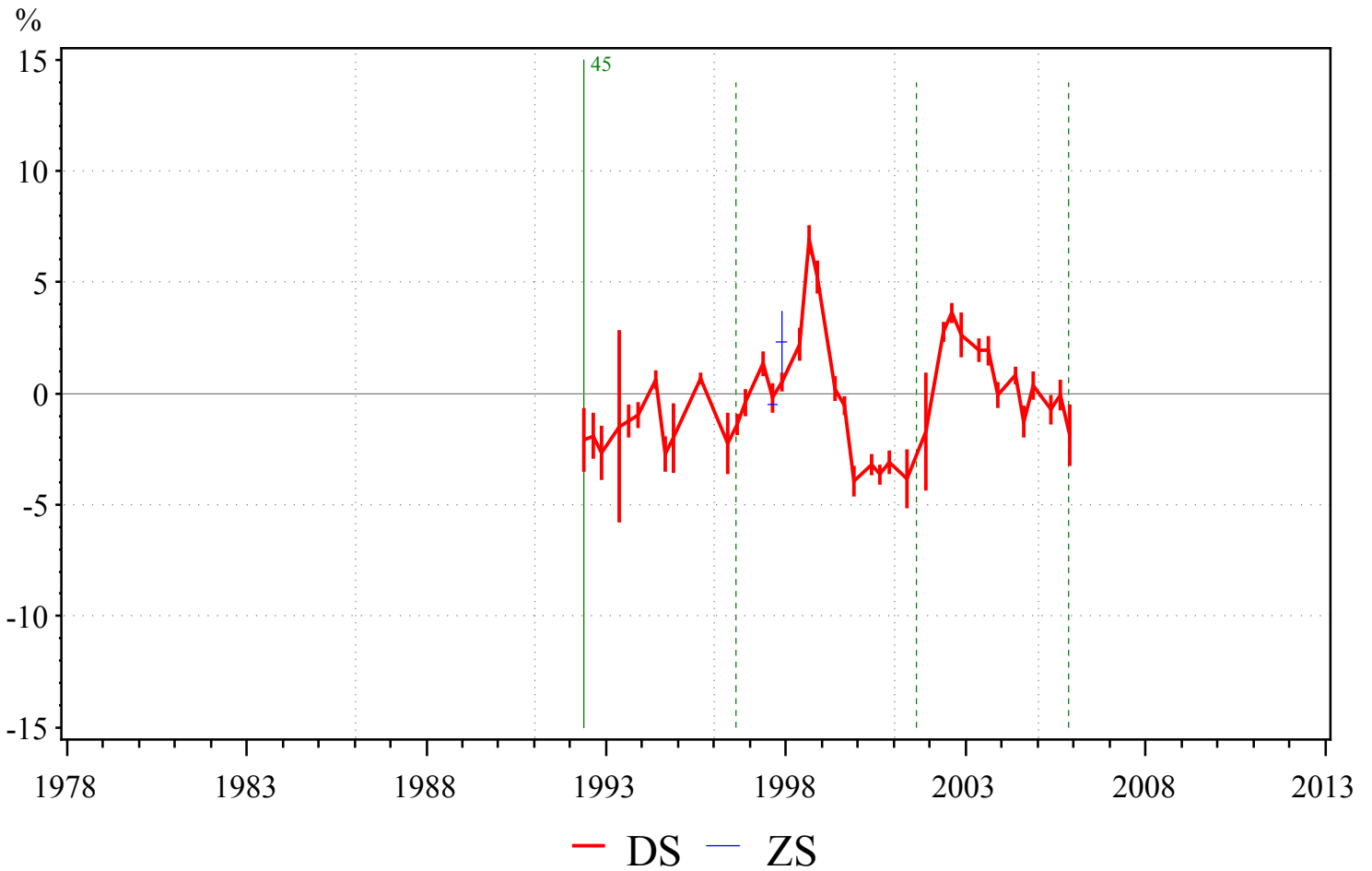
Obs	Direct Sun Statistics	1978-1985	1986-1990	1991-1995	1996-2000	2001-2005	2006-2010	Mean	Range
DS	Number of days	.	185	737	971	1066	1047	739.75	881
	Bias	.	-0.01	0.28	-0.07	1.17	-0.09	0.34	1.24
	Daily sigma	.	2.52	2.56	2.45	2.66	1.82	2.55	0.21
	Monthly sigma	.	1.52	1.46	1	1.31	0.95	1.32	0.52
	Seasonal ampl.	.	.	2.09	0.96	1.43	0.35	1.49	1.12
	Annual range	.	.	0.78	1.71	1.6	1.48	1.37	0.93

404 JOKIOINEN, 61N, 24E, Brewer



Obs	Direct Sun Statistics	1978-1985	1986-1990	1991-1995	1996-2000	2001-2005	2006-2010	Mean	Range
DS	Number of days	.	.	.	244	92	.	168	152
	Bias	.	.	.	0.28	0.25	.	0.27	0.03
	Daily sigma	.	.	.	2.21	2.82	.	2.52	0.61
	Monthly sigma	.	.	.	0.77	1.13	.	0.95	0.36

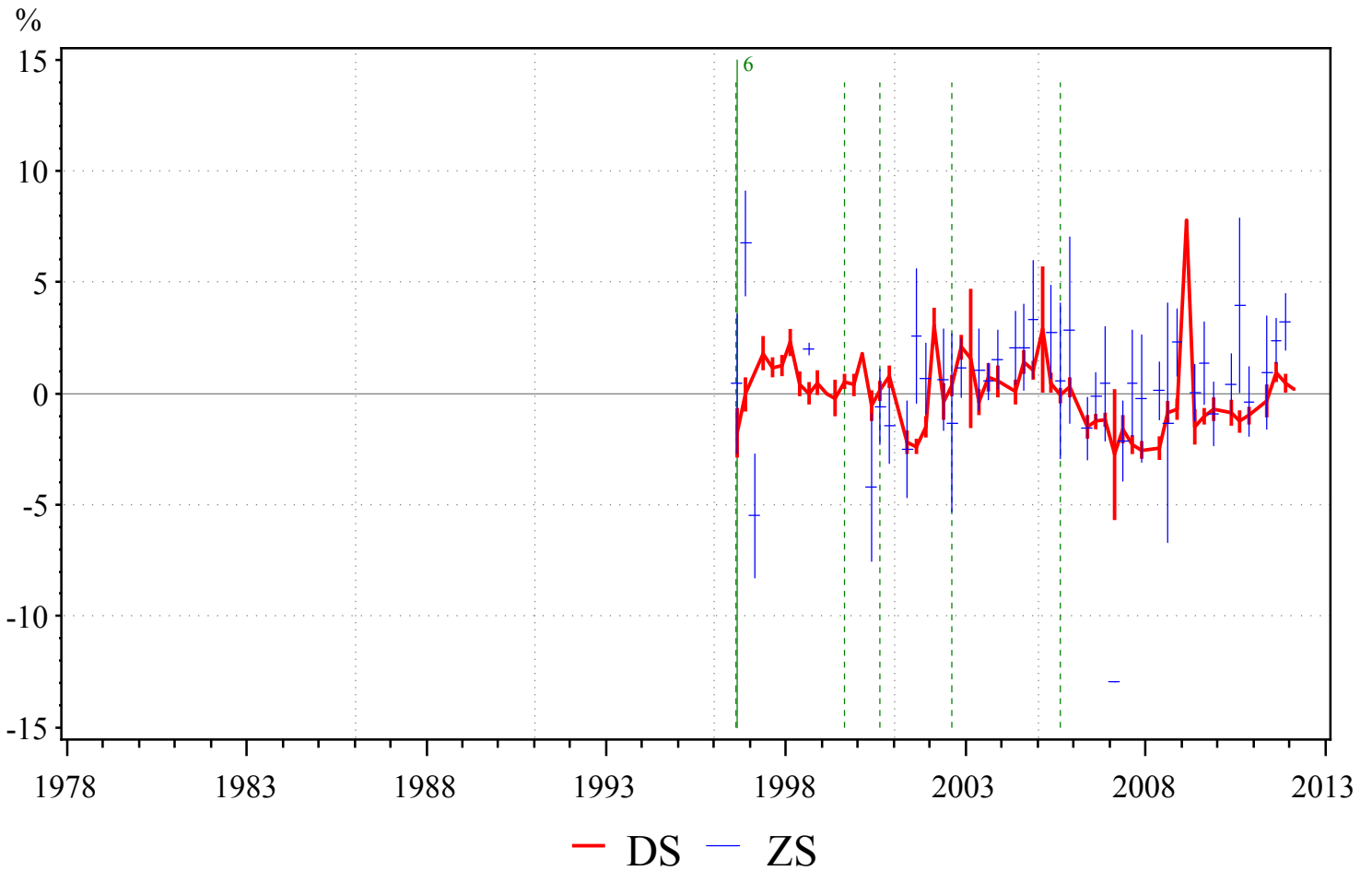
123 YAKUTSK, 62N, 130E, Brewer



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Obs	Direct Sun Statistics	1978-1985	1986-1990	1991-1995	1996-2000	2001-2005	2006-2010	Mean	Range
DS	Number of days	.	.	282	1019	786	.	695.67	737
	Bias	.	.	-1.35	-0.3	0.01	.	-0.55	1.37
	Daily sigma	.	.	3.41	5.19	5.52	.	4.71	2.11
	Monthly sigma	.	.	1.22	3.87	4.71	.	3.27	3.49
	Seasonal ampl.	.	.	.	2.24	2.9	.	2.57	0.66
	Annual range	.	.	1.32	8.32	11.73	.	7.13	10.41
ZS	Number of days	.	.	.	18	.	.	18	0
	Bias	.	.	.	2.17	.	.	2.17	0
	Daily sigma	.	.	.	2.86	.	.	2.86	0
	Monthly sigma	.	.	.	0.11	.	.	0.11	0

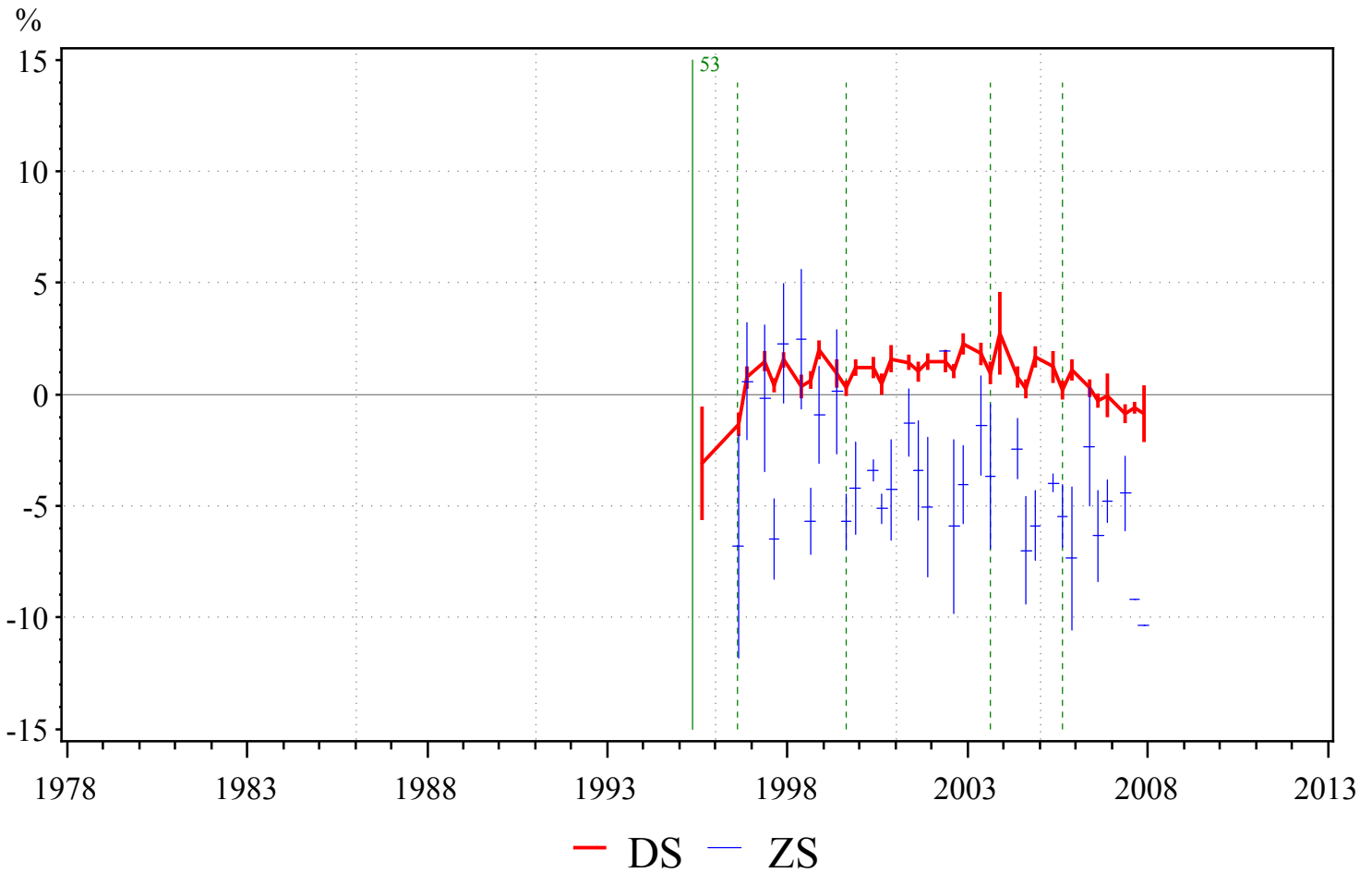
284 VINDELN, 64N, 20E, Brewer



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Obs	Direct Sun Statistics	1978-1985	1986-1990	1991-1995	1996-2000	2001-2005	2006-2010	Mean	Range
DS	Number of days	.	.	.	903	981	994	942	78
	Bias	.	.	.	0.36	0.03	-1.38	0.19	0.33
	Daily sigma	.	.	.	2.53	2.39	2.07	2.46	0.14
	Monthly sigma	.	.	.	1.14	1.4	0.94	1.27	0.26
	Seasonal ampl.	.	.	.	0.58	0.51	0.25	0.54	0.07
	Annual range	.	.	.	2.24	2.88	1.17	2.56	0.63
ZS	Number of days	.	.	.	63	192	229	127.5	129
	Bias	.	.	.	-0.12	1.23	-0.04	0.55	1.36
	Daily sigma	.	.	.	5.35	4.04	4	4.69	1.31
	Monthly sigma	.	.	.	1.02	2.07	1.64	1.54	1.05

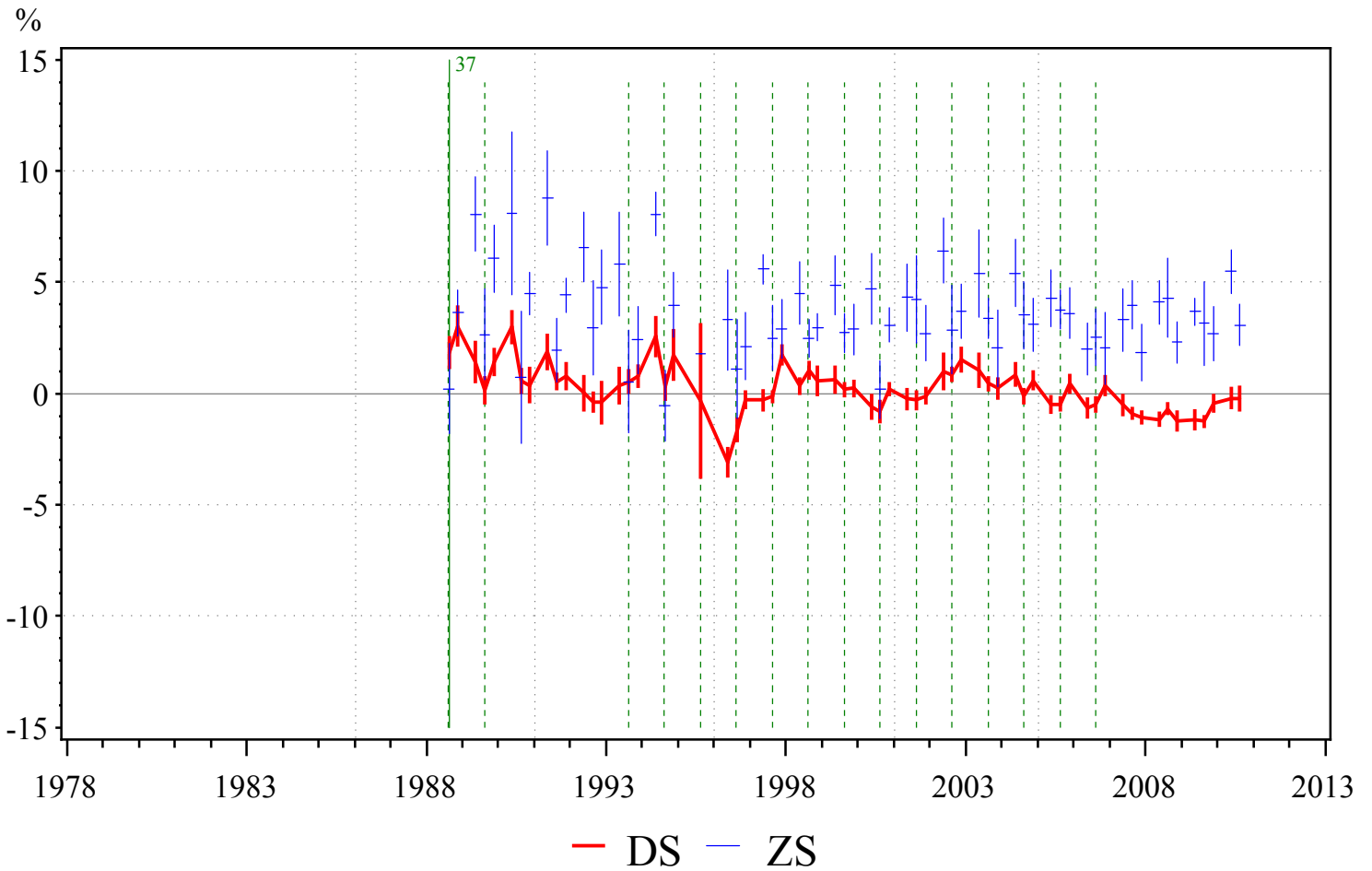
267 SONDRESTROM, 67N, 51W, Brewer



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Obs	Direct Sun Statistics	1978-1985	1986-1990	1991-1995	1996-2000	2001-2005	2006-2010	Mean	Range
DS	Number of days	.	.	.	897	907	330	902	10
	Bias	.	.	.	0.82	1.16	-0.34	0.99	0.33
	Daily sigma	.	.	.	1.95	1.94	1.74	1.95	0.01
	Monthly sigma	.	.	.	1.07	0.84	0.62	0.95	0.23
	Seasonal ampl.	.	.	.	1.33	1.34	0.17	1.34	0.01
	Annual range	.	.	.	1.24	0.75	0.65	1	0.49
ZS	Number of days	.	.	.	119	77	31	98	42
	Bias	.	.	.	-1.43	-4.53	-4.34	-2.98	3.1
	Daily sigma	.	.	.	5.18	3.2	3.5	4.19	1.98
	Monthly sigma	.	.	.	2.03	.	.	2.03	0

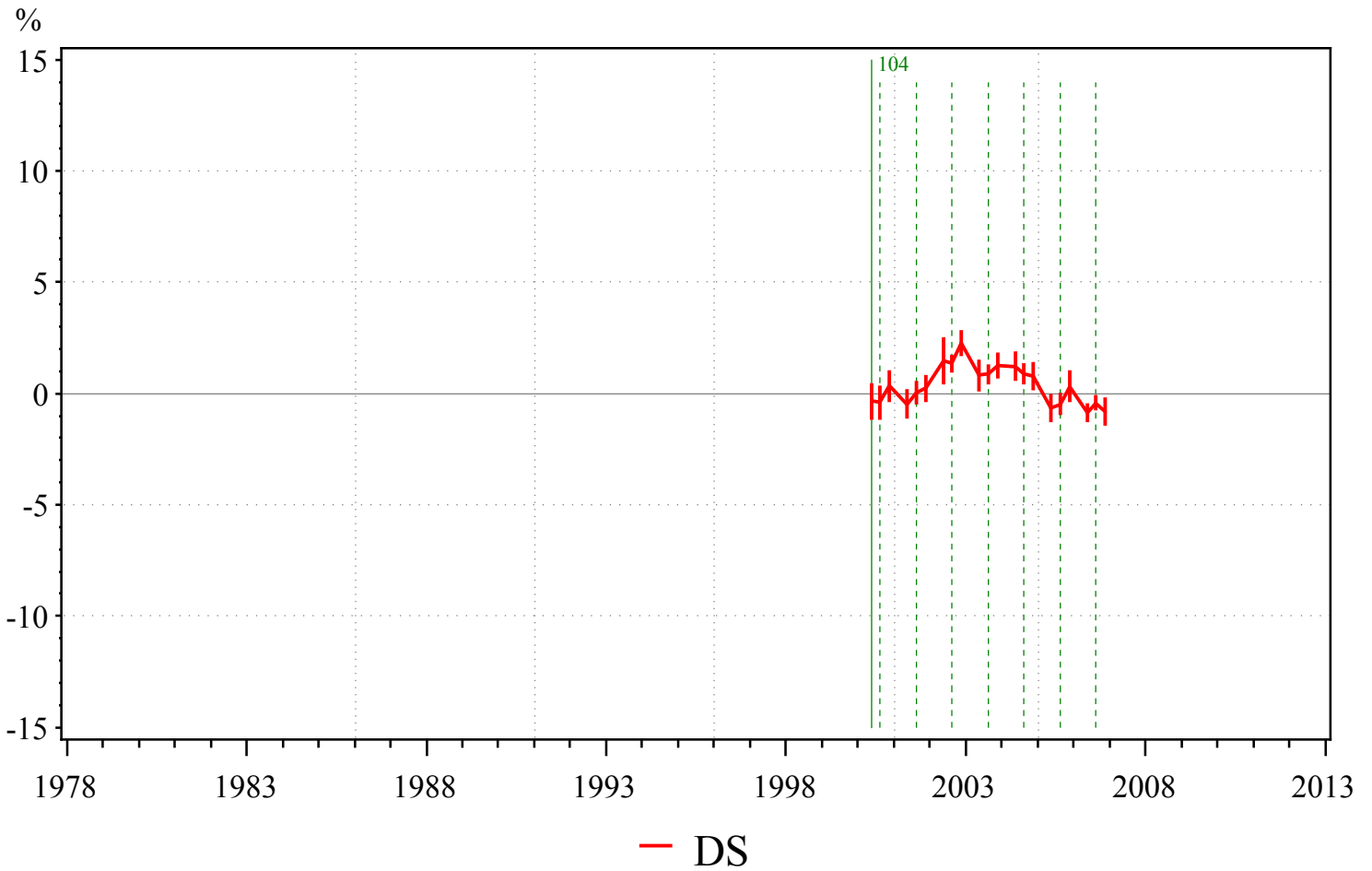
262 SODANKYLA, 67N, 27E, Brewer



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Obs	Direct Sun Statistics	1978-1985	1986-1990	1991-1995	1996-2000	2001-2005	2006-2010	Mean	Range
DS	Number of days	.	330	507	772	917	784	631.5	587
	Bias	.	1.39	0.57	-0.17	0.34	-0.73	0.53	1.56
	Daily sigma	.	2.58	2.29	2.01	2.07	1.55	2.24	0.56
	Monthly sigma	.	1.31	1.27	1.18	0.99	0.55	1.19	0.32
	Seasonal ampl.	.	2.85	2.09	0.77	0.7	0.1	1.6	2.15
	Annual range	.	1.47	1.56	2.24	1.35	0.77	1.66	0.9
ZS	Number of days	.	98	161	213	201	177	168.25	115
	Bias	.	4.23	4.75	3.1	3.8	3.16	3.97	1.66
	Daily sigma	.	4.26	3.91	2.52	2.87	2.4	3.39	1.75
	Monthly sigma	.	3.2	2.71	1.24	2.33	1.51	2.37	1.96

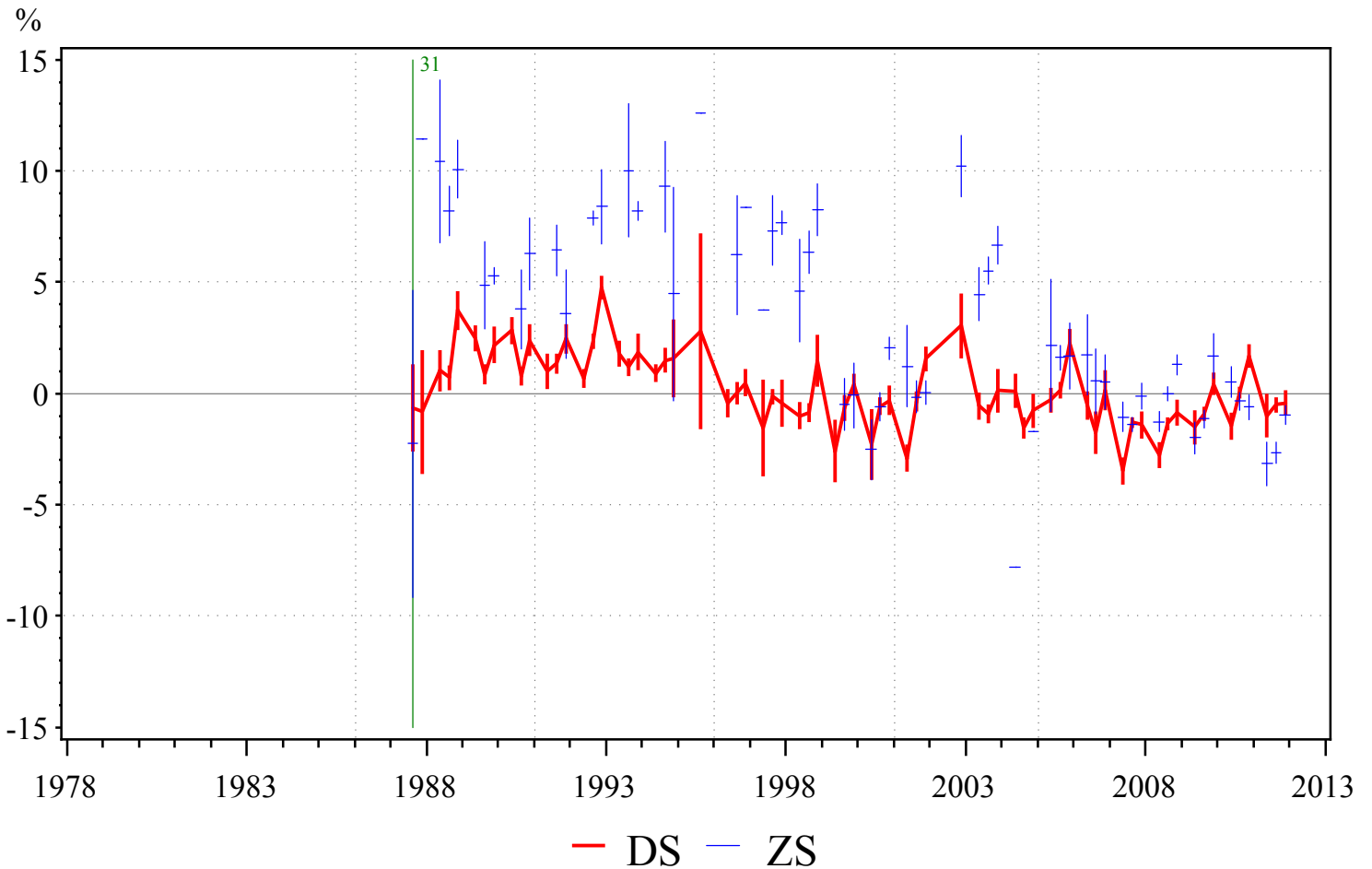
476 ANDOYA, 69N, 16E, Brewer



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Obs	Direct Sun Statistics	1978-1985	1986-1990	1991-1995	1996-2000	2001-2005	2006-2010	Mean	Range
DS	Number of days	.	.	.	62	547	125	304.5	485
	Bias	.	.	.	-0.12	0.71	-0.69	0.3	0.83
	Daily sigma	.	.	.	1.76	1.94	1.47	1.85	0.19
	Monthly sigma	.	.	.	0.48	0.98	0.58	0.73	0.5
	Seasonal ampl.	0.54	.	0.54	0
	Annual range	1.9	.	1.9	0

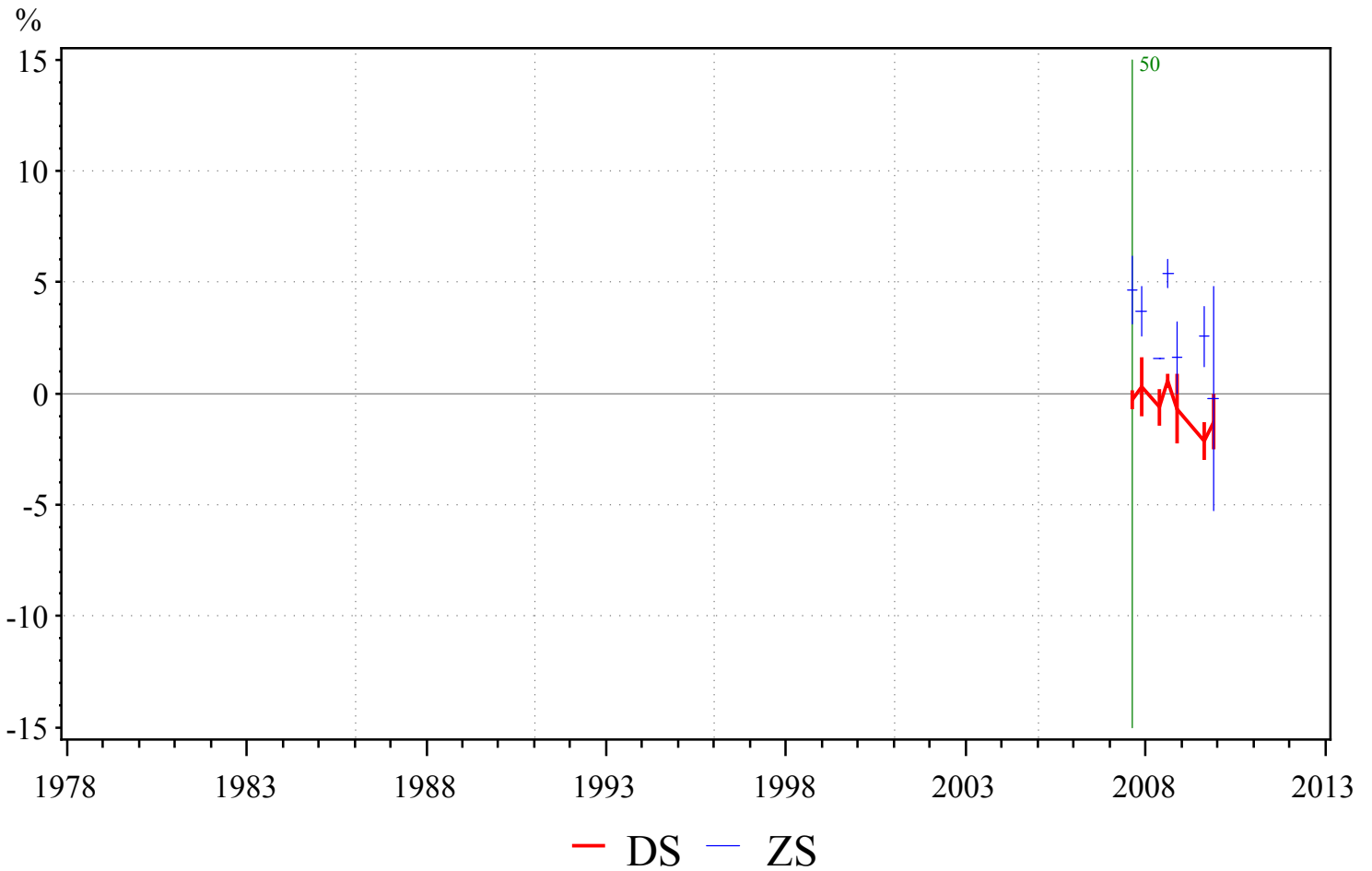
024 RESOLUTE, 75N, 95W, Brewer



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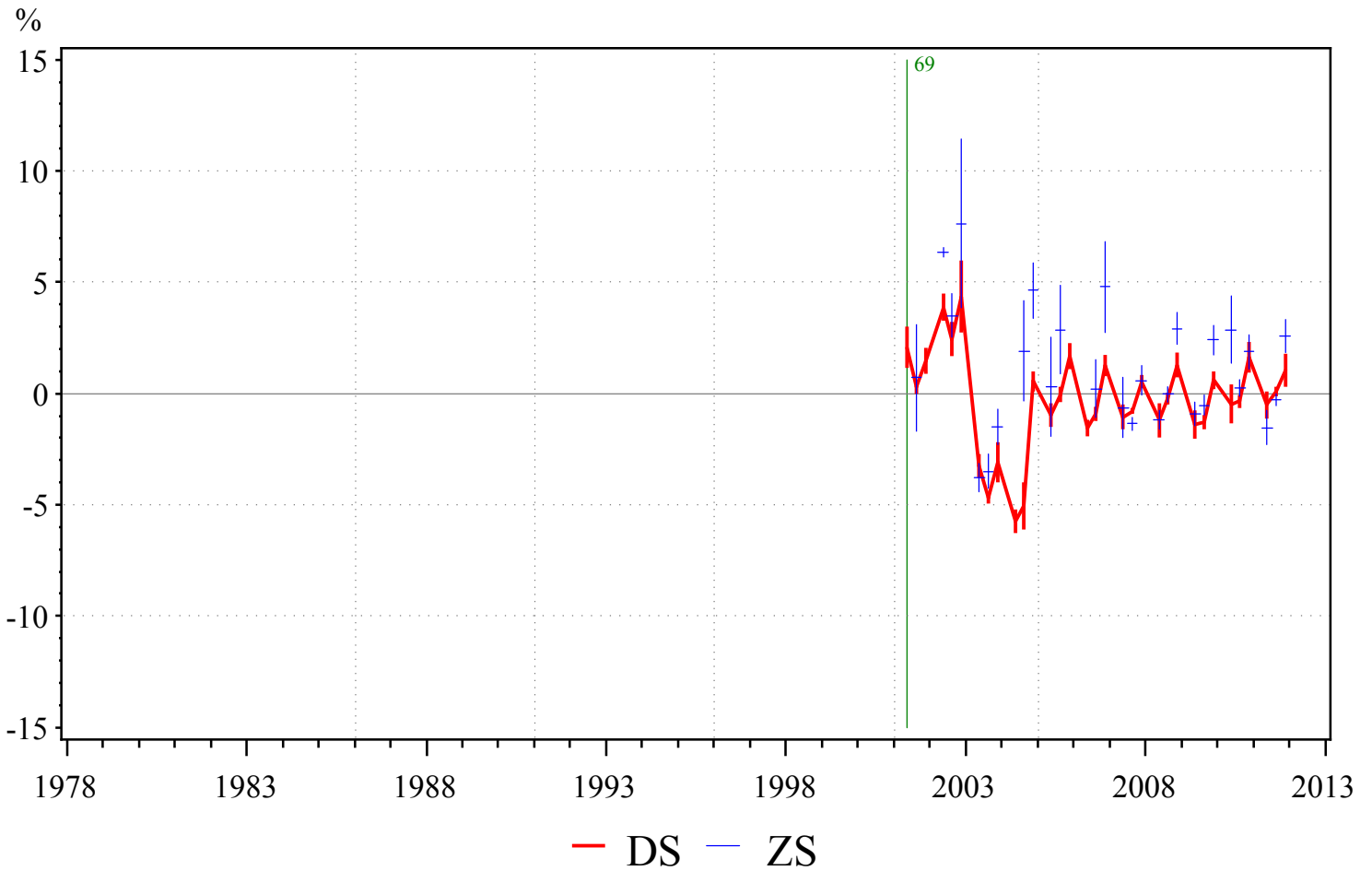
Obs	Direct Sun Statistics	1978-1985	1986-1990	1991-1995	1996-2000	2001-2005	2006-2010	Mean	Range
DS	Number of days	.	499	508	557	484	897	512	73
	Bias	.	1.01	1.77	-0.37	-0.56	-1.19	0.46	2.32
	Daily sigma	.	4.7	2	2.36	2.27	2.29	2.83	2.7
	Monthly sigma	.	3.36	1.34	0.93	1.21	1.43	1.71	2.43
	Seasonal ampl.	.	4.05	1.35	1.05	1.5	1.43	1.99	2.99
	Annual range	.	3.99	1.13	0.77	1.48	1.99	1.84	3.22
ZS	Number of days	.	70	54	156	133	641	103.25	102
	Bias	.	6.89	7	2.84	2.99	-0.39	4.93	4.15
	Daily sigma	.	5.85	3.75	4.43	4	2.01	4.51	2.1
	Monthly sigma	.	2.12	2.83	3.98	3.45	1.07	3.09	1.86
	Seasonal ampl.	.	.	.	.	.	0.77	.	.
	Annual range	.	.	.	.	.	1.1	.	.

089 NY ALESUND, 79N, 12E, Brewer



Obs	Direct Sun Statistics	1978-1985	1986-1990	1991-1995	1996-2000	2001-2005	2006-2010	Mean	Range
DS	Number of days	.	.	.	.	.	238	.	.
	Bias	.	.	.	.	.	-0.18	.	.
	Daily sigma	.	.	.	.	.	3.16	.	.
	Monthly sigma	.	.	.	.	.	1.16	.	.
	Annual range	.	.	.	.	.	0.23	.	.
ZS	Number of days	.	.	.	.	.	71	.	.
	Bias	4.03	.	.
	Daily sigma	6.25	.	.
	Monthly sigma	0.97	.	.

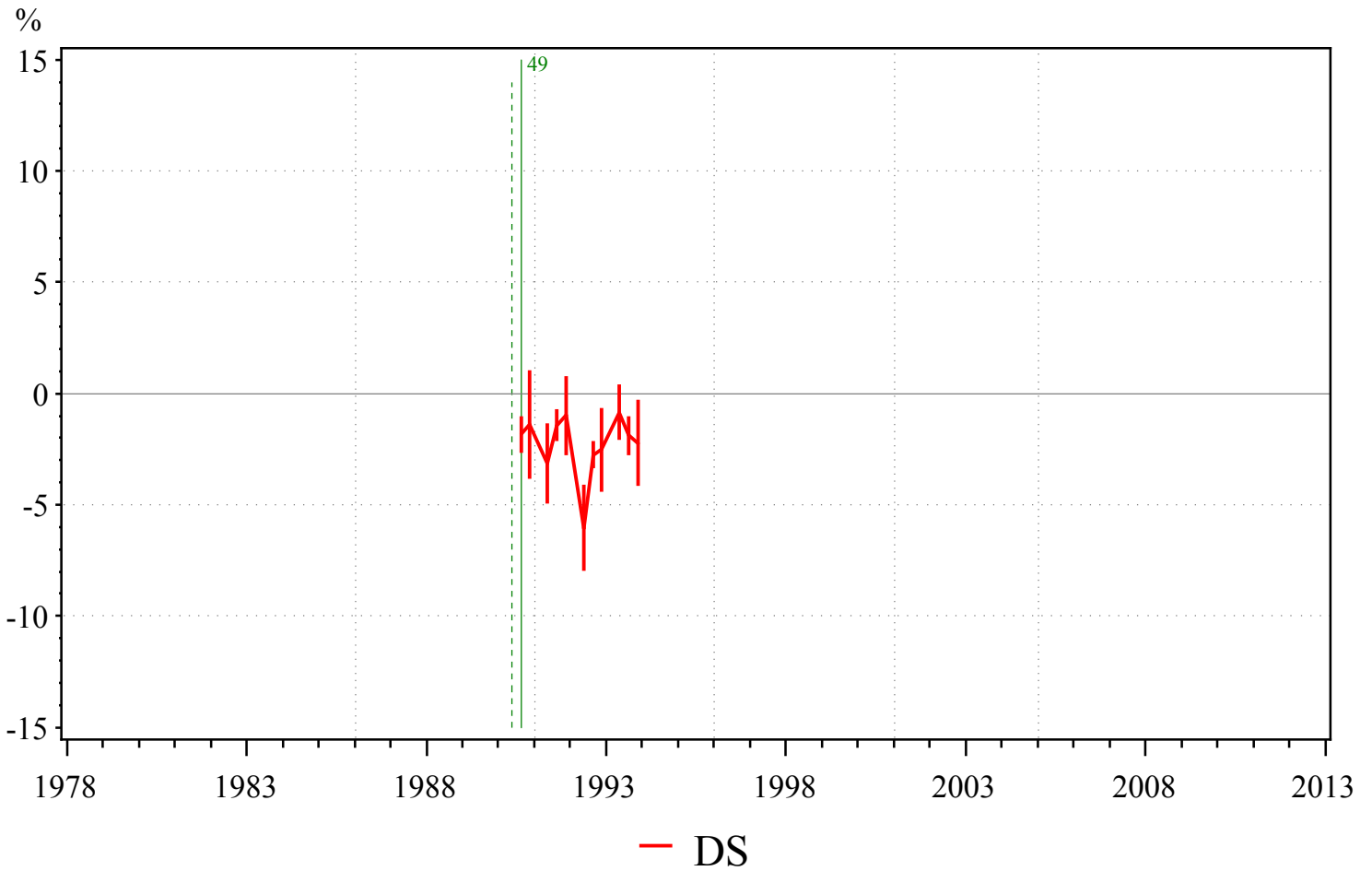
315 EUREKA / EUREKA LAB, 80N, 86W, Brewer



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Obs	Direct Sun Statistics	1978-1985	1986-1990	1991-1995	1996-2000	2001-2005	2006-2010	Mean	Range
DS	Number of days	.	.	.	.	551	792	551	0
	Bias	.	.	.	.	-0.96	-0.45	-0.96	0
	Daily sigma	.	.	.	.	3.82	1.54	3.82	0
	Monthly sigma	.	.	.	.	3.4	1.08	3.4	0
	Seasonal ampl.	.	.	.	.	3.3	1.89	3.3	0
	Annual range	.	.	.	.	7.35	0.93	7.35	0
ZS	Number of days	.	.	.	.	115	575	115	0
	Bias	.	.	.	.	0.48	0.49	0.48	0
	Daily sigma	.	.	.	.	4.26	2.78	4.26	0
	Monthly sigma	3.9	2	3.9	0
	Seasonal ampl.	5.24	.	.
	Annual range	1.3	.	.

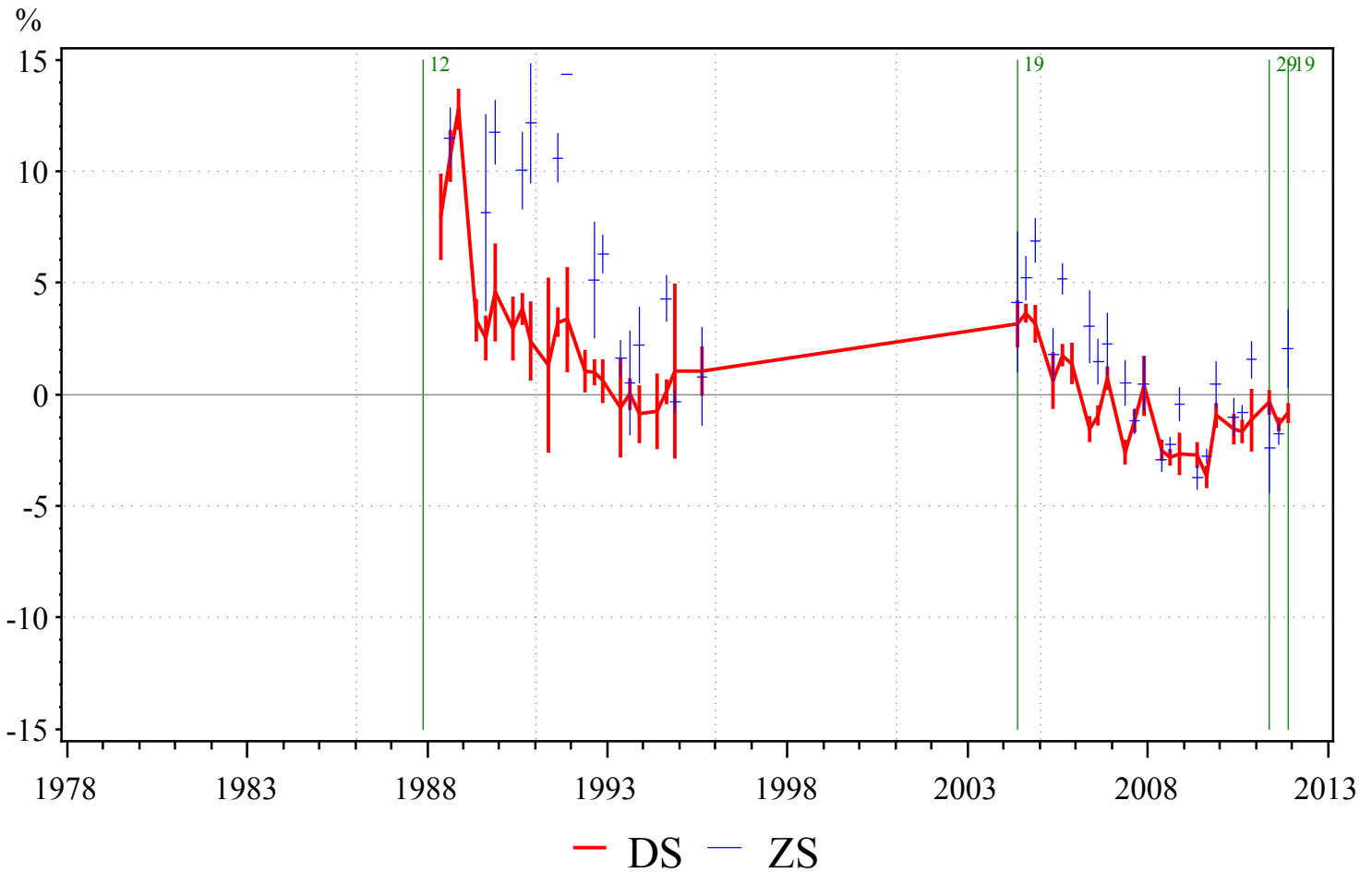
114 HEISS ISLAND, 81N, 58E, Brewer



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Obs	Direct Sun Statistics	1978-1985	1986-1990	1991-1995	1996-2000	2001-2005	2006-2010	Mean	Range
DS	Number of days	.	87	341	.	.	.	214	254
	Bias	.	-1.72	-2.55	.	.	.	-2.14	0.83
	Daily sigma	.	4.16	4.62	.	.	.	4.39	0.46
	Monthly sigma	.	1.06	1.72	.	.	.	1.39	0.66
	Seasonal ampl.	.	.	4.29	.	.	.	4.29	0
	Annual range	.	.	1.63	.	.	.	1.63	0

018 ALERT / ALERT GAW LAB, 82N, 62W, Brewer



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Obs	Direct Sun Statistics	1978-1985	1986-1990	1991-1995	1996-2000	2001-2005	2006-2010	Mean	Range
DS	Number of days	.	216	334	.	235	748	261.67	118
	Bias	.	6.52	1.06	.	2.44	-1.82	3.34	5.45
	Daily sigma	.	5.52	3.04	.	2.35	3.01	3.63	3.17
	Monthly sigma	.	4.65	1.54	.	1.33	1.26	2.51	3.32
	Seasonal ampl.	.	.	1.38	.	.	1.41	1.38	0
	Annual range	.	9.06	3.41	.	1.98	2.09	4.82	7.08
ZS	Number of days	.	50	59	.	41	646	50	18
	Bias	.	11.8	5.93	.	5.49	-1.01	7.74	6.31
	Daily sigma	.	3.97	5.24	.	2.25	2.7	3.82	2.99
	Monthly sigma	.	0.91	5.25	.	2	1.91	2.72	4.34
	Seasonal ampl.	.	.	.	.	.	3.7	.	.
	Annual range	.	.	.	.	.	1.95	.	.