

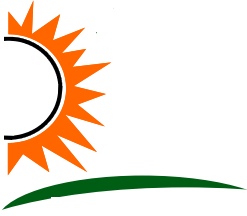
***Georgi Dobrovolski
Solar Observatory***

***OBSERVED, CORRECTED
& SMOOTHED
CLASSIFICATION VALUES
1991 - 2013***

**COMPILED BY HOWARD BARNES,
NEW ZEALAND.**

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**Third Edition,
Published, October MMXIV.**



SMOOTHING FORMULÆ.

The following are the three formulæ used in the smoothing of GDSO sunspot data. All are based on monthly means .

Data suffixed (S^{HBm}) are computed as:

$$((\bar{x}_{+3} + \bar{x}_{-3}) + 2(\bar{x}_{+2} + \bar{x}_{-2}) + 3(\bar{x}_{+1} + \bar{x}_{-1}) + 4\bar{x}_0) / 16$$

Data suffixed (S^{W}) are computed as:

$$\left(\sum_{-5}^{+5} \bar{x} + [\bar{x}_{+6} + \bar{x}_{-6}] / 2 \right) / 12$$

Data suffixed (S^{B13}) are computed as:

$$(0.75(x_{+6} + x_{-6}) + 2(x_{+5} + x_{-5}) + 3(x_{+4} + x_{-4}) + 4(x_{+3} + x_{-3}) + 5(x_{+2} + x_{-2}) + 6(x_{+1} + x_{-1}) + 6.5x_0) / 48$$

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REGION CONSTANTS:

AXX = 1	CRO = 5	DKI = 46	EHC = 59	ESO = 26	FRI = 18
BXI = 3	CSI = 12	DKO = 43	EHI = 53	FAC = 33	FRO = 15
BXO = 2	CSO = 11	DRI = 16	EHO = 50	FAI = 24	FSC = 36
CAI = 9	DAC = 31	DRO = 13	EKC = 56	FAO = 21	FSI = 30
CAO = 8	DAI = 22	DSC = 34	EKI = 47	FHC = 60	FSO = 27
CHI = 42	DAO = 19	DSI = 28	EKO = 44	FHI = 54	HAX = 7
CHO = 41	DHC = 58	DSO = 25	ERI = 17	FHO = 51	HHX = 40
CKI = 39	DHI = 52	EAC = 32	ERO = 14	FKC = 57	HKX = 37
CKO = 38	DHO = 49	EAI = 23	ESC = 35	FKI = 48	HRX = 4
CRI = 6	DKC = 55	EAO = 20	ESI = 29	FKO = 45	HSX = 10

ERRATUM:

First & Second Editions page 4, January 1996, $CV_{\text{GD}}(S^{\text{W}})$ 14.51 **should read** 13.51 .



Observed GDSO Classification Values (CV) are corrected for seeing conditions and seasonal effects to create the Corrected GDSO Classification Values (CV_{GD}).

These two series are smoothed (the observed by three methods, the corrected by two) to create the data in the unshaded columns.

DEFINITIONS:

$$CV_{GD} = k \left(\sum_{i=1}^g M_i \right)$$

where g = number of regions, M = region constant,
& k = up- or downgrading figure to bring observatories to a world standard.

CV = observed Classification Values, same as above, but k = 1.

MONTH	CV	CV ^r (S ^{HBm})	CV ^r (S ^W)	CV ^r (S ^{B13})	CV _{GD}	CV _{GD} ^r (S ^W)	CV _{GD} ^r (S ^{B13})
1991 Jan	180.00	—	—	—	189.73	—	—
Feb	231.89	—	—	—	211.36	—	—
Mar	187.12	—	—	—	173.80	—	—
Apr	185.17	200.72	—	—	156.71	—	—
May	192.12	209.25	—	—	161.39	—	—
Jun	212.88	216.69	—	—	188.34	—	—
Jul	263.64	222.93	209.10	211.55	209.29	183.76	183.24
Aug	251.92	217.38	210.05	211.81	211.68	185.53	184.18
Sep	186.93	208.26	206.11	209.19	165.14	184.97	184.56
Oct	174.59	202.77	203.04	205.81	171.40	183.95	184.65
Nov	151.69	200.93	196.59	201.05	134.75	180.80	183.76
Dec	261.40	204.71	186.08	193.59	219.95	172.69	180.28
1992 Jan	239.80	202.13	174.72	182.85	212.77	163.47	173.95
Feb	194.83	184.58	160.61	168.82	231.02	153.64	164.48
Mar	129.50	159.82	149.57	154.45	140.51	145.08	152.84
Apr	169.27	134.87	144.82	141.52	165.55	139.31	140.49
May	53.10	109.64	144.44	130.79	76.98	138.86	129.66
Jun	99.67	99.08	139.80	122.15	78.23	136.80	120.87
Jul	104.18	97.38	128.76	115.77	97.95	128.02	113.78
Aug	72.85	101.44	121.28	113.74	87.14	118.37	109.55
Sep	101.00	115.15	118.10	115.70	84.35	111.52	108.72
Oct	146.40	126.13	112.97	118.24	113.75	108.76	110.93
Nov	170.80	134.41	109.28	119.58	181.47	109.83	114.46
Dec	131.00	133.98	108.47	118.54	123.79	111.12	116.23
1993 Jan	105.15	126.59	106.18	114.86	98.26	109.61	115.23
Feb	150.08	115.86	104.71	109.76	113.96	107.85	113.00
Mar	97.82	100.36	101.39	102.01	93.11	104.91	109.23
Apr	77.93	87.77	94.66	92.12	146.78	100.96	103.54
May	55.80	78.02	86.24	82.58	121.27	93.93	95.56
Jun	77.47	69.37	79.07	75.07	65.10	87.39	87.53
Jul	71.55	64.27	75.84	69.91	74.61	85.72	81.78
Aug	70.10	59.69	70.45	65.22	68.24	82.43	76.59
Sep	24.06	55.98	63.39	61.35	32.88	76.84	71.54
Oct	61.80	57.89	59.03	59.25	70.44	69.26	66.87
Nov	53.41	59.65	56.01	57.70	55.99	60.54	62.78
Dec	76.31	61.39	52.17	55.32	92.26	55.52	59.76

MONTH	CV	CV ^r (S ^{HBm})	CV ^r (S ^W)	CV ^r (S ^{B13})	CV _{GD}	CV _{GD} ^r (S ^W)	CV _{GD} ^r (S ^{B13})
1994 Jan	82.29	60.22	48.20	51.87	89.69	53.79	56.68
Feb	43.64	51.85	45.12	47.82	43.58	51.39	52.58
Mar	34.92	42.87	44.17	44.12	29.42	49.76	48.56
Apr	36.06	35.25	44.92	41.14	28.40	50.12	45.65
May	25.30	29.74	43.58	38.29	30.54	48.80	43.37
Jun	15.71	28.81	40.23	35.83	35.16	45.16	41.46
Jul	38.12	32.54	35.20	33.91	63.21	39.71	39.68
Aug	29.59	34.98	31.49	32.93	22.08	36.30	38.68
Sep	41.63	37.76	30.51	32.74	39.76	36.66	38.86
Oct	62.27	37.50	29.48	32.01	72.25	37.23	38.76
Nov	20.73	32.17	29.01	30.66	22.42	37.19	37.64
Dec	28.70	28.34	29.14	29.11	38.48	36.52	35.94
1995 Jan	9.17	23.96	28.32	27.32	12.63	34.46	34.10
Feb	27.75	22.97	26.83	25.55	38.94	32.71	32.71
Mar	27.31	23.22	24.52	23.60	42.76	31.02	31.04
Apr	19.00	22.67	22.14	21.80	28.62	28.08	28.70
May	31.00	22.22	21.01	20.83	29.36	26.17	26.82
Jun	13.05	18.78	19.88	19.97	20.24	24.73	25.13
Jul	21.06	18.05	18.80	18.95	28.83	23.40	23.27
Aug	10.94	17.29	17.54	17.68	14.29	21.70	21.04
Sep	4.94	16.84	15.62	16.30	6.96	18.84	18.67
Oct	41.69	17.96	14.12	15.01	34.61	16.69	16.79
Nov	14.39	14.86	12.55	13.25	14.33	15.24	15.05
Dec	7.77	11.67	11.32	11.39	11.85	14.18	13.42
1996 Jan	4.18	8.44	10.91	9.98	7.28	13.51	12.23
Feb	2.62	5.52	11.10	9.19	3.58	13.85	11.90
Mar	6.32	5.26	11.22	8.76	9.39	14.21	12.08
Apr	4.00	6.23	9.30	8.05	10.48	12.48	11.89
May	8.33	8.35	7.84	7.86	12.75	11.48	12.03
Jun	6.14	9.71	8.27	8.55	11.34	12.01	12.78
Jul	18.08	10.47	8.34	9.17	21.61	11.87	13.29
Aug	18.41	10.70	8.51	9.40	29.72	11.94	13.28
Sep	0.46	9.56	8.73	9.28	0.09	12.21	12.77
Oct	0.00	9.05	9.28	9.34	0.00	12.50	12.36
Nov	21.25	9.44	9.75	9.52	25.08	12.88	12.24
Dec	11.06	8.67	9.74	9.35	13.83	12.94	11.92

MONTH	CV	CV ^r (S ^{HBm})	CV ^r (S ^W)	CV ^r (S ^{B13})	CV _{GD}	CV _{GD} ^r (S ^W)	CV _{GD} ^r (S ^{B13})
1997 Jan	2.58	8.77	9.27	8.94	1.89	12.44	11.44
Feb	8.30	8.97	8.81	8.79	10.63	11.63	11.29
Mar	6.00	8.62	11.59	10.05	8.69	15.09	13.06
Apr	17.42	9.16	15.12	12.10	18.13	19.91	16.04
May	6.31	9.49	16.56	13.98	14.32	22.99	19.21
Jun	7.89	13.27	18.99	16.76	11.16	26.71	23.46
Jul	4.95	17.84	21.55	20.38	9.73	29.70	28.45
Aug	20.52	24.39	23.33	24.22	22.25	32.26	33.77
Sep	65.12	32.90	27.27	28.41	90.70	36.22	39.07
Oct	20.06	34.92	31.74	32.40	25.04	40.50	43.58
Nov	35.79	37.02	35.89	36.41	73.98	44.48	47.43
Dec	54.85	39.67	41.09	40.72	54.06	49.15	50.78
1998 Jan	20.12	40.20	46.95	45.13	33.45	54.63	53.83
Feb	33.50	46.54	54.08	50.54	40.71	61.78	57.74
Mar	75.41	54.38	59.28	56.48	73.64	68.08	62.67
Apr	55.18	60.18	61.77	61.99	55.74	71.88	68.08
May	68.18	69.65	65.22	67.30	72.21	73.88	73.33
Jun	70.89	77.88	68.89	72.35	65.31	76.01	78.72
Jul	82.56	82.38	71.92	76.76	87.11	78.69	84.07
Aug	114.06	86.89	75.49	79.81	116.56	81.24	88.02
Sep	96.33	86.14	78.30	80.93	147.51	83.12	89.45
Oct	48.77	81.29	79.77	81.04	59.52	84.24	88.70
Nov	89.77	79.80	83.78	82.17	87.53	88.00	88.20
Dec	88.87	78.25	90.79	84.84	91.63	94.76	89.14
1999 Jan	58.91	77.10	97.92	88.97	60.24	101.17	91.21
Feb	80.33	83.95	100.93	93.98	74.93	103.35	94.02
Mar	96.00	93.66	99.56	99.07	84.61	99.90	97.06
Apr	70.00	107.42	102.86	105.69	71.76	99.72	102.08
May	149.64	124.34	110.56	113.73	146.34	105.53	109.10
Jun	157.56	130.98	115.30	120.40	153.40	109.70	114.95
Jul	167.12	132.21	118.58	124.52	152.92	112.77	118.57
Aug	101.59	129.50	123.68	126.96	103.11	117.21	120.60
Sep	76.06	125.81	132.31	130.63	78.09	124.08	123.16
Oct	148.07	128.77	143.68	136.87	124.60	133.37	127.65
Nov	175.27	132.61	149.83	142.31	162.03	138.29	131.62
Dec	117.33	139.42	151.72	146.76	117.12	138.98	134.74

MONTH	CV	CV ^r (S ^{HBm})	CV ^r (S ^W)	CV ^r (S ^{B13})	CV _{GD}	CV _{GD} ^r (S ^W)	CV _{GD} ^r (S ^{B13})
2000 Jan	109.08	150.90	155.56	153.59	108.45	142.05	139.97
Feb	152.54	163.46	160.19	162.77	133.22	145.87	147.25
Mar	231.00	178.29	163.94	170.71	191.16	148.56	153.72
Apr	207.89	189.16	164.86	174.14	188.16	149.31	156.80
May	159.20	191.15	163.14	174.12	148.16	147.41	156.71
Jun	193.40	187.03	162.43	172.97	168.02	145.50	155.25
Jul	223.46	176.68	164.5	170.08	212.11	145.26	151.93
Aug	156.32	162.05	164.10	163.56	135.42	143.56	145.30
Sep	111.46	148.88	158.97	155.14	110.56	139.12	136.93
Oct	134.71	140.97	153.81	148.64	110.08	135.76	130.32
Nov	147.30	134.82	149.88	144.21	130.88	133.63	125.98
Dec	128.18	133.99	148.25	141.35	102.50	133.11	123.57
2001 Jan	148.00	136.83	143.18	139.05	117.29	128.42	121.99
Feb	104.00	135.26	138.47	138.43	83.59	124.01	122.55
Mar	156.40	141.58	144.66	142.11	134.17	130.70	127.99
Apr	158.67	143.54	152.74	147.42	164.46	138.92	135.15
May	114.00	144.37	156.86	152.64	120.71	142.80	141.47
Jun	199.56	155.52	161.27	158.70	183.19	147.86	148.01
Jul	95.65	160.40	165.76	165.30	84.16	153.86	154.94
Aug	171.07	174.74	169.94	172.55	157.75	158.91	162.08
Sep	245.24	189.80	171.83	178.21	248.60	161.01	166.99
Oct	194.83	193.14	172.46	180.94	169.47	160.75	168.33
Nov	186.09	194.82	177.55	183.08	164.47	162.92	168.77
Dec	195.18	188.10	180.28	183.77	190.33	162.26	167.65
2002 Jan	188.84	179.43	182.22	183.21	173.63	162.34	165.10
Feb	163.50	175.41	186.49	182.20	148.34	164.98	161.70
Mar	142.23	173.88	185.22	180.44	119.86	161.63	157.31
Apr	188.00	176.82	181.17	179.61	172.52	157.14	154.41
May	206.91	180.91	179.03	179.48	164.73	155.54	152.74
Jun	172.00	182.61	173.86	177.57	123.43	155.24	151.82
Jul	169.94	182.78	165.59	173.66	145.66	152.12	151.45
Aug	199.06	181.45	158.58	168.42	159.70	145.08	149.99
Sep	186.92	172.22	153.84	161.27	166.34	139.71	146.97
Oct	155.94	158.91	149.35	152.06	143.89	134.76	141.97
Nov	173.53	142.00	141.36	140.97	151.75	127.57	135.15
Dec	83.82	120.88	134.41	130.22	195.61	122.98	127.32

MONTH	CV	CV ^r (S ^{HBm})	CV ^r (S ^W)	CV ^r (S ^{B13})	CV _{GD}	CV _{GD} ^r (S ^W)	CV _{GD} ^r (S ^{B13})
2003 Jan	101.69	108.77	131.02	121.96	93.49	121.48	118.67
Feb	82.33	101.29	126.49	115.98	59.56	118.31	110.40
Mar	109.75	100.85	117.92	111.30	79.85	110.94	103.30
Apr	112.61	106.25	110.09	108.03	93.72	103.67	97.76
May	90.62	110.37	103.35	105.78	71.00	98.03	93.79
Jun	121.40	113.21	98.47	104.33	106.84	89.18	90.35
Jul	139.25	112.02	96.91	102.60	126.26	82.68	87.92
Aug	121.08	104.77	94.97	98.76	103.15	80.95	85.45
Sep	59.00	93.70	92.65	93.61	46.08	79.64	81.80
Oct	96.00	85.89	88.82	88.15	89.64	76.85	77.56
Nov	71.85	77.30	85.40	82.96	70.49	75.06	73.44
Dec	68.33	73.32	82.43	78.19	64.60	72.88	69.22
2004 Jan	79.64	71.62	77.59	73.91	68.36	68.36	65.06
Feb	58.00	67.98	72.73	70.85	43.36	64.86	62.43
Mar	78.33	67.55	70.74	69.40	64.45	63.38	61.34
Apr	52.00	66.40	70.66	68.87	42.32	62.76	60.93
May	69.20	67.41	71.37	69.37	79.23	62.83	61.33
Jun	71.50	68.63	70.41	69.89	46.43	61.82	61.84
Jul	73.13	70.22	67.50	69.48	78.25	59.58	61.83
Aug	70.38	73.44	66.12	68.88	67.07	58.98	61.60
Sep	62.00	72.57	64.60	67.87	46.71	58.62	60.90
Oct	91.00	71.70	62.91	66.22	74.05	57.90	59.77
Nov	94.00	67.03	62.64	63.78	87.74	56.71	57.72
Dec	23.25	58.32	63.75	61.36	23.16	56.88	55.62
2005 Jan	54.85	53.56	64.03	59.85	55.97	56.28	53.89
Feb	49.70	50.54	62.74	58.93	41.43	54.08	52.40
Mar	50.12	52.73	61.02	58.26	57.68	52.93	51.39
Apr	39.53	58.25	56.63	57.16	31.76	49.86	49.86
May	75.29	63.61	50.99	55.88	61.37	45.02	47.94
Jun	92.00	65.35	49.91	55.11	68.33	44.04	46.77
Jul	59.44	59.30	49.81	53.16	42.01	44.47	45.37
Aug	53.14	51.45	46.61	49.17	50.53	42.07	42.74
Sep	37.88	42.64	43.20	44.31	35.53	38.88	39.40
Oct	9.82	35.32	42.17	40.02	11.50	37.67	36.58
Nov	39.75	32.73	40.18	36.23	34.21	37.11	34.64
Dec	51.44	29.81	34.93	32.19	53.16	35.27	33.02

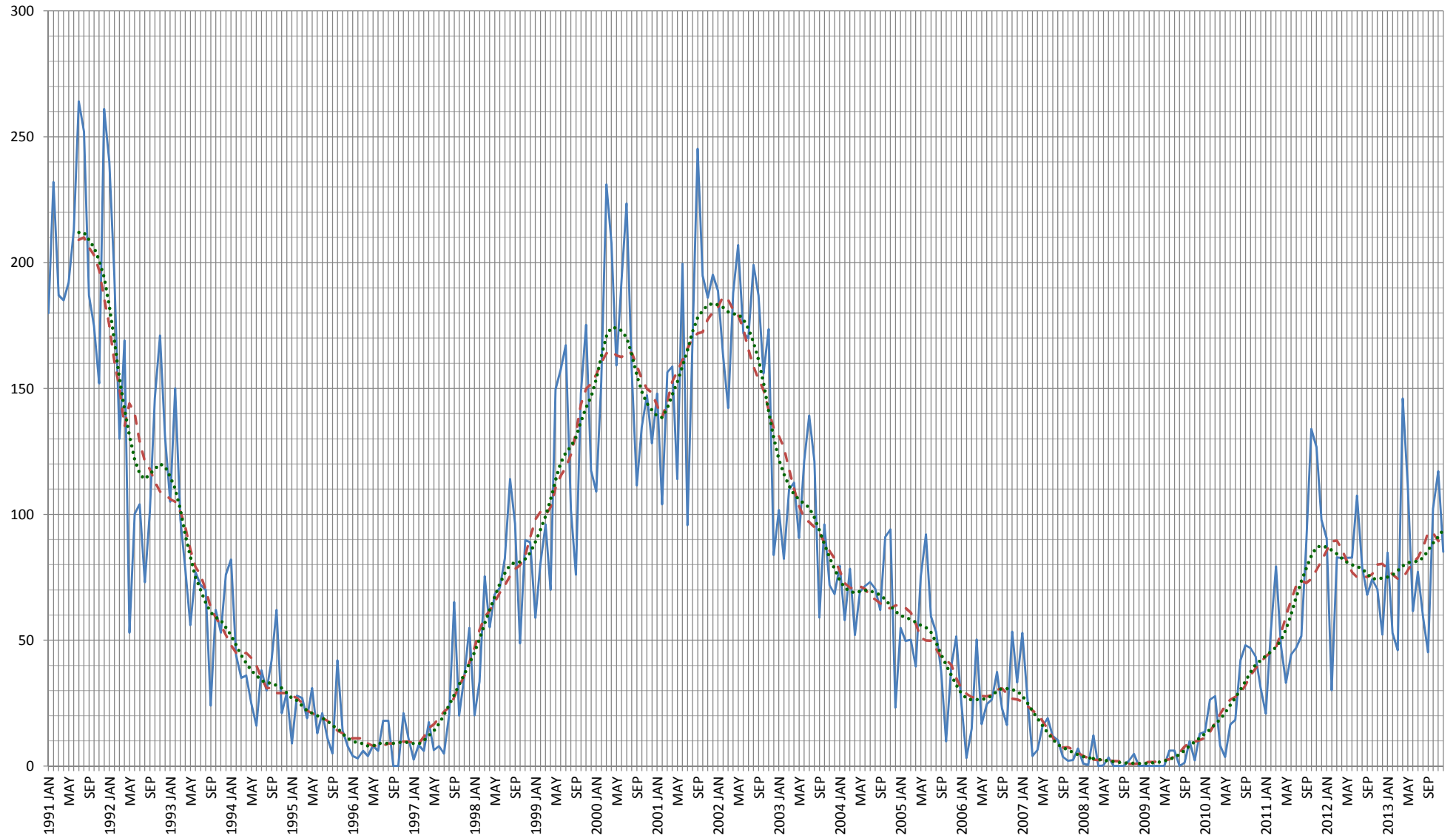
MONTH	CV	CV ^r (S ^{HBm})	CV ^r (S ^W)	CV ^r (S ^{B13})	CV _{GD}	CV _{GD} ^r (S ^W)	CV _{GD} ^r (S ^{B13})
2006 Jan	24.38	26.92	30.74	28.81	36.18	33.47	31.61
Feb	3.27	24.39	28.70	26.87	3.71	31.96	30.62
Mar	14.75	23.61	27.42	26.35	18.89	30.50	30.49
Apr	50.25	25.11	27.07	26.44	41.40	29.67	30.75
May	16.71	25.89	27.90	26.52	38.27	30.31	30.86
Jun	24.58	27.52	27.71	26.76	47.41	30.13	30.49
Jul	26.36	27.32	28.14	27.97	19.78	30.11	30.38
Aug	37.38	28.06	30.33	29.83	36.45	32.08	31.07
Sep	22.86	29.36	30.89	30.80	14.49	32.66	31.27
Oct	16.33	32.14	28.61	30.69	12.70	30.52	30.65
Nov	53.33	36.14	26.75	30.40	48.35	28.33	30.00
Dec	33.20	35.36	26.48	29.74	34.67	26.45	29.15
2007 Jan	52.91	33.17	25.65	27.97	54.26	25.61	28.02
Feb	27.36	26.79	23.92	25.12	32.92	24.79	26.14
Mar	4.00	19.20	22.00	21.88	3.65	23.20	23.60
Apr	6.46	15.18	20.60	18.97	5.13	22.35	21.27
May	15.83	13.08	17.89	16.00	21.92	20.02	18.72
Jun	19.00	12.53	14.68	13.21	18.71	16.94	16.11
Jul	11.93	11.46	11.42	10.70	28.28	13.51	13.47
Aug	10.30	9.29	8.13	8.55	8.39	9.94	10.88
Sep	3.73	6.67	7.35	7.30	4.27	8.86	9.11
Oct	2.08	4.64	7.42	6.40	2.53	8.90	7.77
Nov	2.40	3.56	6.50	5.39	2.78	7.80	6.25
Dec	7.00	3.68	5.20	4.45	6.11	6.19	4.82
2008 Jan	0.93	3.58	4.06	3.75	0.68	4.30	3.63
Feb	0.42	3.60	3.13	3.31	0.72	2.77	2.89
Mar	12.18	3.92	2.55	2.99	9.88	2.24	2.54
Apr	0.00	2.87	2.39	2.63	0.00	2.01	2.15
May	0.25	2.26	2.49	2.31	0.63	1.97	1.79
Jun	3.44	1.67	2.30	2.01	1.41	1.73	1.47
Jul	0.00	0.80	1.97	1.72	0.00	1.47	1.21
Aug	0.00	1.00	1.92	1.51	0.00	1.43	1.04
Sep	0.00	1.20	1.40	1.26	0.00	0.99	0.83
Oct	2.00	1.42	0.89	1.11	1.28	0.58	0.72
Nov	4.85	1.60	0.88	1.07	3.10	0.55	0.70
Dec	0.00	1.18	0.98	0.98	0.00	0.69	0.69

MONTH	CV	CV ^r (S ^{HBm})	CV ^r (S ^W)	CV ^r (S ^{B13})	CV _{GD}	CV _{GD} ^r (S ^W)	CV _{GD} ^r (S ^{B13})
2009 Jan	0.13	0.76	1.35	1.04	0.53	1.12	0.82
Feb	0.00	0.33	1.61	1.19	0.00	1.39	1.01
Mar	0.00	0.40	1.66	1.32	0.00	1.43	1.16
Apr	0.00	1.16	2.04	1.61	0.00	1.72	1.44
May	0.00	1.92	2.27	2.02	0.00	1.88	1.80
Jun	6.14	2.78	2.69	2.63	5.37	2.24	2.29
Jul	6.17	3.47	3.79	3.45	6.39	3.41	3.04
Aug	0.00	3.55	5.45	4.57	0.00	4.96	4.04
Sep	1.33	4.42	7.71	6.25	1.00	7.46	5.72
Oct	9.82	5.97	9.2	8.08	7.18	9.46	7.74
Nov	2.33	8.34	9.69	9.67	0.99	9.91	9.51
Dec	12.79	12.53	10.26	11.19	10.78	10.32	11.22
2010 Jan	13.58	15.63	11.20	12.74	17.98	11.05	12.91
Feb	26.40	17.34	13.46	14.53	19.67	12.37	14.51
Mar	27.80	17.39	17.16	16.52	40.32	14.67	15.85
Apr	8.09	15.25	20.65	18.55	7.62	17.21	16.84
May	3.56	15.54	23.91	21.11	3.24	19.97	18.10
Jun	16.45	19.22	26.38	24.15	11.92	22.69	19.98
Jul	18.31	25.43	27.45	27.14	17.36	24.03	21.97
Aug	42.09	33.81	28.87	30.23	20.86	26.50	24.71
Sep	48.00	39.38	32.13	33.77	35.18	30.35	28.63
Oct	46.88	40.47	35.93	37.35	33.93	34.33	33.37
Nov	43.50	40.06	38.81	40.10	40.59	38.52	38.31
Dec	31.09	40.31	41.20	41.99	36.42	41.48	42.52
2011 Jan	20.82	42.28	43.55	43.72	24.56	43.62	46.19
Feb	53.27	46.72	45.15	45.44	72.21	45.87	49.50
Mar	79.27	50.20	47.26	47.16	80.37	49.28	52.19
Apr	47.75	49.43	52.60	49.84	63.04	54.65	54.69
May	33.00	47.86	59.69	54.28	48.38	61.51	57.93
Jun	44.33	49.03	65.93	60.24	37.86	67.70	62.15
Jul	47.00	56.36	71.61	67.12	42.72	73.42	67.45
Aug	51.64	70.69	73.54	73.34	49.46	75.00	72.47
Sep	89.10	87.65	72.73	78.68	88.46	73.12	76.78
Oct	133.86	101.19	74.34	83.64	109.42	73.87	81.20
Nov	126.75	102.66	77.86	86.84	129.91	76.22	84.50
Dec	97.71	96.39	81.53	87.57	95.68	79.42	85.93

MONTH	CV	CV ^r (S ^{HBm})	CV ^r (S ^W)	CV ^r (S ^{B13})	CV _{GD}	CV _{GD} ^r (S ^W)	CV _{GD} ^r (S ^{B13})
2012 Jan	90.38	86.31	85.65	86.85	102.61	83.73	85.89
Feb	30.17	75.66	89.30	85.75	32.05	87.08	84.90
Mar	82.92	74.79	89.56	84.35	75.33	86.93	83.32
Apr	82.60	78.18	86.19	82.53	85.96	84.46	81.52
May	82.67	82.28	81.35	80.92	82.09	81.40	80.01
Jun	82.78	85.95	77.10	79.92	80.88	77.87	78.96
Jul	107.44	85.79	74.97	79.25	103.02	75.29	78.17
Aug	78.83	81.78	75.68	78.41	69.63	75.68	77.62
Sep	68.00	76.34	75.09	76.22	64.66	75.93	76.43
Oct	74.11	72.86	76.19	74.40	74.05	76.64	75.43
Nov	70.33	68.60	80.05	74.36	91.80	79.23	75.57
Dec	52.25	65.13	80.39	74.63	48.95	79.22	75.64
2013 Jan	84.75	69.18	78.24	75.05	87.40	76.74	75.51
Feb	52.80	73.89	76.16	76.02	56.79	74.90	75.79
Mar	46.00	80.48	74.38	77.59	56.43	73.35	76.23
Apr	146.00	90.54	74.60	79.45	122.00	73.32	76.66
May	112.00	89.30	77.72	80.75	108.09	75.60	76.87
Jun	61.55	82.19	81.04	81.18	54.77	79.44	77.34
Jul	77.14	77.06	82.83	81.33	69.59	—	—
Aug	59.11	72.50	86.79	82.73	58.97	—	—
Sep	45.13	74.98	92.63	85.78	38.13	—	—
Oct	102.22	84.76	92.68	88.54	99.81	—	—
Nov	117.13	94.20	89.39	90.92	120.64	—	—
Dec	85.10	100.16	89.77	93.95	112.48	—	—

OBSERVED and SMOOTHED GDSO CLASSIFICATION VALUES (CV, CV[SW] and CV[SB13]) 1991-2013

SOLID = OBSERVED, DASHED = SW, DOTTED = SB13



CORRECTED and SMOOTHED GDSO CLASSIFICATION VALUES (CVGD, CVGD[SW] and CVGD[SB13]) 1991-2013

SOLID = CORRECTED, DASHED = SW, DOTTED = SB13

