



Supplement of

Characterization of soil moisture response patterns and hillslope hydrological processes through a self-organizing map

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- 356 representative events during 10 years (2007-2016).
- The rainfall events were defined by the minimum duration of a dry period as 12 hours and the minimum amount of rainfall as 1mm.
- Data matrix (356 rainfall events * 14 variables) were applied in the SOM algorithm.
- 14 variables consists of rainfall amounts(AMO), rainfall duration(DUR), rainfall intensity(INT), Average of antecedent soil moisture among all measuring points(ASMTOT), average of the soil moisture difference indices(VAR) and standard deviation of peak time(P2P) in five upslope locations at a depth of 10cm, 30cm, 60cm(UP10cm, UP30cm, UP60cm) and five downslope locations at a depth of 10cm, 30cm, 60cm(DO10cm, DO30cm, DO60cm).

Date [YY/MM/DD]	AMO [mm]	DUR [hr]	INT [mm/hr]	ASMTOT [vol.%]	VAR[%]						P2P[day]					
					UP10cm	UP30cm	UP60cm	DO10cm	DO30cm	DO60cm	UP10cm	UP30cm	UP60cm	DO10cm	DO30cm	DO60cm
07/06/08	11.8	10.0	1.2	11.3	24.4	4.9	1.8	43.9	11.3	10.1	0.25	0.58	0.19	0.17	0.18	0.39
07/06/14	1.5	12.0	0.1	11.0	1.1	2.9	2.2	1.0	1.2	1.3	0.05	0.32	0.09	0.08	0.09	0.00
07/06/21	6.7	18.0	0.4	9.3	8.9	2.8	2.8	3.9	1.5	0.7	0.20	0.28	0.24	0.28	0.03	0.12
07/06/23	37.0	28.0	1.3	9.1	106.5	54.7	36.9	146.3	87.4	46.4	0.07	0.20	0.44	0.00	0.07	0.31
07/06/28	25.4	38.0	0.7	12.8	30.0	22.1	8.4	40.7	16.3	14.5	0.20	0.12	0.05	0.35	0.39	0.24
07/07/01	110.6	40.0	2.8	14.7	83.0	101.7	166.0	45.4	44.9	109.8	0.17	0.15	0.17	0.08	0.09	0.06
07/07/04	6.6	8.0	0.8	19.2	5.7	2.3	0.9	11.8	3.4	2.0	0.28	0.04	0.25	0.02	0.08	0.06
07/07/10	50.7	36.0	1.4	16.4	41.2	37.4	39.8	55.6	26.0	36.4	0.31	0.09	0.23	0.00	0.02	0.02
07/07/16	51.2	26.0	2.0	17.2	33.5	35.2	38.9	47.9	22.9	42.9	0.15	0.03	0.05	0.00	0.02	0.03
07/07/19	59.8	18.0	3.3	18.8	32.3	28.0	32.8	48.8	38.1	65.9	0.07	0.02	0.03	0.02	0.02	0.08
07/07/21	1.2	6.0	0.2	19.8	1.0	0.2	0.6	0.4	0.3	0.8	0.17	0.00	0.13	0.00	0.00	0.00
07/07/24	12.1	14.0	0.9	17.8	11.3	6.6	6.5	21.8	7.0	8.7	0.30	0.18	0.39	0.14	0.36	0.39
07/07/29	7.9	6.0	1.3	17.6	13.3	7.1	5.2	20.7	6.4	6.4	0.13	0.08	0.09	0.20	0.20	0.20

07/08/01	30.8	18.0	1.7	17.6	23.7	20.8	19.2	31.6	15.5	16.0	0.22	0.09	0.27	0.06	0.00	0.07
07/08/03	48.9	16.0	3.1	19.3	38.3	27.6	29.6	36.1	18.4	52.3	0.11	0.09	0.09	0.00	0.07	0.08
07/08/12	49.7	58.0	0.9	20.7	15.1	12.3	11.9	25.0	11.6	27.8	0.08	0.06	0.46	0.02	0.02	0.02
07/08/15	17.4	10.0	1.7	21.4	8.2	5.4	6.0	18.3	8.1	8.6	0.13	0.09	0.08	0.76	0.86	0.24
07/08/21	7.3	6.0	1.2	18.6	12.4	4.5	3.9	19.4	10.5	8.3	0.04	0.10	0.06	0.10	0.25	0.29
07/08/27	3.1	8.0	0.4	16.1	3.4	0.1	0.5	1.5	1.4	0.2	0.05	0.00	0.00	0.15	0.09	0.00
07/09/05	17.7	22.0	0.8	11.9	14.7	3.8	0.4	45.1	8.9	7.6	0.94	0.07	0.00	0.12	0.15	0.68
07/09/14	36.9	18.0	2.1	10.8	48.1	32.7	41.7	115.8	54.4	33.0	0.37	0.41	0.68	0.05	0.12	0.50
07/09/23	1.9	8.0	0.2	18.6	1.9	0.8	0.3	0.8	0.2	0.3	0.06	0.10	0.00	0.06	0.10	0.06
07/09/27	58.1	20.0	2.9	17.3	41.6	40.4	45.4	51.5	39.7	77.5	0.25	0.07	0.04	0.00	0.02	0.05
07/10/03	9.3	12.0	0.8	18.1	8.6	2.7	2.5	18.3	3.9	4.4	0.09	0.28	0.37	0.07	0.32	0.33
07/10/07	5.1	6.0	0.9	17.5	2.2	0.2	0.3	6.1	1.1	1.9	0.09	0.17	0.02	0.14	0.17	0.08
07/10/19	12.8	6.0	2.1	14.0	14.7	6.3	3.4	37.9	7.6	9.9	0.53	0.55	0.69	0.12	0.07	0.82
07/10/25	4.9	8.0	0.6	14.4	2.2	1.2	0.9	7.8	2.5	2.1	0.12	0.10	0.08	0.25	0.34	0.46
07/10/28	2.8	4.0	0.7	14.3	1.9	0.8	1.2	1.5	0.2	1.9	0.02	0.02	0.02	0.00	0.02	0.02
07/11/02	1.0	20.0	0.1	13.8	1.2	1.5	0.5	0.2	1.3	0.8	0.09	0.04	0.17	0.00	0.09	0.04
07/11/09	2.5	24.0	0.1	12.9	4.3	0.7	1.2	0.9	0.6	1.0	0.40	0.08	0.05	0.25	0.04	0.05
07/11/13	1.5	26.0	0.1	12.6	1.5	1.7	1.4	2.0	1.4	0.6	0.04	0.06	0.19	0.10	0.12	0.14
07/11/19	8.0	4.0	2.0	12.2	2.9	0.7	0.7	1.4	1.1	0.6	0.17	0.00	0.02	0.05	0.10	0.25
07/11/21	6.2	6.0	1.0	12.1	7.3	1.3	2.4	2.4	1.8	2.0	0.39	0.16	0.29	0.18	0.24	0.18
07/11/23	12.8	10.0	1.3	12.2	23.2	6.2	7.9	47.3	9.1	9.8	0.06	0.09	0.10	0.09	0.04	0.10
07/11/26	1.7	6.0	0.3	14.1	4.7	3.1	2.6	1.5	2.2	1.9	1.11	0.54	0.25	0.31	0.57	0.99
08/03/13	3.5	10.0	0.4	12.8	1.0	3.3	6.2	25.7	15.7	5.4	0.68	0.38	0.55	1.19	1.17	0.42
08/04/22	15.0	16.0	0.9	12.9	10.9	1.6	3.8	44.7	7.6	4.7	0.21	0.05	0.18	0.18	0.07	0.14
08/05/04	5.5	6.0	0.9	12.5	1.5	0.6	3.8	8.1	0.9	0.2	0.12	0.08	0.15	0.04	0.35	0.00
08/05/13	1.0	4.0	0.3	11.2	2.3	1.6	2.3	1.5	0.8	2.2	0.11	0.10	0.08	0.27	0.24	0.24
08/06/02	36.4	12.0	3.0	11.8	59.4	75.6	61.5	70.0	33.9	24.9	0.27	0.14	0.28	0.05	0.31	0.29

08/06/04	7.9	10.0	0.8	15.3	17.0	4.7	5.6	14.1	4.7	5.5	0.56	0.53	0.45	0.16	0.30	0.50
08/06/08	1.8	4.0	0.5	14.7	1.8	2.4	1.2	2.1	0.8	1.1	0.08	0.47	0.39	0.18	0.14	0.21
08/06/17	55.9	24.0	2.3	11.3	83.3	75.0	54.3	103.0	49.4	50.2	0.18	0.25	0.32	0.06	0.20	0.03
08/06/28	1.5	4.0	0.4	14.3	8.1	8.5	16.2	7.2	0.5	2.0	0.00	0.00	0.00	0.10	0.00	0.00
08/07/02	73.5	30.0	2.5	12.8	135.5	165.6	138.2	70.8	64.8	71.2	0.00	0.00	0.00	0.00	0.00	0.00
08/08/01	74.5	28.0	2.7	21.6	32.6	29.8	39.6	18.7	22.4	55.7	0.00	0.00	0.00	0.00	0.17	0.13
08/09/01	100.4	26.0	3.9	17.3	71.1	65.0	75.4	89.6	55.2	89.4	0.27	0.12	0.10	0.06	0.07	0.10
08/09/11	1.0	2.0	0.5	17.7	2.0	2.4	2.1	5.6	2.3	0.9	0.20	0.13	0.08	0.12	0.17	0.35
08/09/20	1.0	6.0	0.2	13.5	5.5	5.3	2.7	3.7	1.5	2.4	0.31	0.18	0.02	0.28	0.18	0.13
08/09/22	6.5	4.0	1.6	13.1	12.2	2.6	1.7	23.2	10.2	3.8	0.12	0.24	0.12	0.16	0.30	0.39
08/09/25	6.0	6.0	1.0	13.3	9.2	2.3	4.3	21.7	4.0	2.5	0.20	0.19	0.48	0.17	0.14	0.17
08/10/23	12.0	6.0	2.0	9.7	14.1	2.6	4.2	35.7	23.8	39.1	0.21	0.20	0.35	0.19	0.15	0.32
08/10/25	8.7	8.0	1.1	10.6	9.8	2.8	5.2	21.6	10.5	8.7	0.29	0.27	0.58	0.51	0.41	0.42
08/10/31	11.6	4.0	2.9	10.7	18.3	7.4	4.2	38.7	14.9	12.1	0.58	0.37	0.47	0.48	0.65	0.56
08/11/27	15.8	24.0	0.7	10.4	25.6	14.4	5.2	65.2	24.5	20.2	1.21	0.88	0.93	1.09	1.20	0.92
08/12/04	5.5	8.0	0.7	12.1	6.9	2.7	2.1	17.4	4.4	4.7	0.41	0.65	0.25	0.60	0.47	0.53
08/12/07	7.7	18.0	0.4	12.3	26.9	5.2	4.5	34.7	6.8	7.5	0.40	0.20	0.05	0.38	0.50	0.39
09/03/26	9.1	14.0	0.7	16.4	17.4	6.7	7.5	14.5	5.2	4.2	0.25	0.51	0.96	0.03	0.09	0.22
09/04/15	7.5	6.0	1.3	12.5	5.3	3.4	1.0	16.5	2.5	1.6	0.15	0.19	0.04	0.07	0.30	0.34
09/04/20	47.0	22.0	2.1	11.8	68.2	52.4	24.4	93.8	40.6	29.5	0.30	0.41	0.68	0.04	0.31	0.51
09/04/24	18.5	26.0	0.7	15.3	29.0	14.7	10.5	20.4	9.3	7.4	0.34	0.28	0.27	0.27	0.30	0.38
09/04/28	6.0	2.0	3.0	16.2	0.2	1.6	3.4	2.3	0.8	1.1	0.00	0.02	0.37	0.02	0.16	0.19
09/05/11	65.5	30.0	2.2	11.6	87.4	70.7	30.1	104.9	48.8	51.9	0.32	0.57	0.50	0.05	0.11	0.12
09/05/15	16.0	32.0	0.5	15.1	24.7	7.8	4.8	22.9	7.9	5.4	0.18	0.57	0.20	0.08	0.15	0.11
09/05/21	39.0	22.0	1.8	14.7	48.7	51.5	31.7	38.1	19.5	21.1	0.19	0.15	0.10	0.06	0.12	0.09
09/06/03	25.7	10.0	2.6	11.9	38.0	17.4	14.5	85.8	23.2	50.3	0.10	0.11	0.31	0.07	0.26	0.45
09/06/09	41.6	18.0	2.3	12.3	76.7	58.2	27.9	62.3	39.7	31.0	0.33	0.30	0.21	0.05	0.28	0.34

09/06/11	2.1	4.0	0.5	16.1	4.3	1.1	3.9	1.9	0.4	2.0	0.10	0.27	0.63	0.12	0.04	0.51
09/06/29	7.0	4.0	1.8	12.4	29.8	0.7	44.8	35.1	4.4	0.8	0.00	0.00	0.00	0.03	0.21	0.15
09/07/02	14.5	4.0	3.6	11.9	28.3	4.6	7.7	29.7	8.6	9.8	0.13	0.06	0.17	0.20	0.15	0.22
09/08/30	2.5	6.0	0.4	17.4	2.2	2.4	1.5	2.4	0.9	0.9	0.21	0.02	0.07	0.34	0.05	0.07
09/09/12	8.0	6.0	1.3	11.4	10.1	8.0	3.5	9.5	1.9	0.7	0.21	0.11	0.18	0.26	0.63	0.06
09/09/21	13.0	14.0	0.9	9.7	6.0	3.7	2.8	24.6	13.2	2.4	0.12	0.21	0.14	0.12	0.28	0.26
09/09/28	1.0	2.0	0.5	9.0	5.0	3.1	4.1	0.8	2.2	1.1	0.42	0.05	0.46	0.15	0.10	0.18
09/10/13	11.5	16.0	0.7	7.5	4.4	4.0	7.3	34.5	21.5	2.9	0.41	0.49	0.15	0.51	0.72	0.50
09/10/16	27.2	14.0	1.9	7.7	20.5	16.6	36.7	156.6	48.7	54.3	0.22	0.28	0.29	0.26	0.39	0.32
09/10/19	5.5	4.0	1.4	9.7	4.0	2.4	3.9	16.7	5.6	5.5	0.26	0.29	0.17	0.19	0.25	0.24
09/10/21	1.5	2.0	0.8	9.8	4.6	5.4	4.1	1.7	3.0	3.0	0.26	0.26	0.26	0.04	0.38	0.12
09/10/23	5.0	4.0	1.3	9.7	4.8	5.7	4.2	13.4	4.1	6.1	1.03	0.89	0.54	0.23	1.02	1.22
09/10/31	30.8	14.0	2.2	9.4	29.5	19.3	27.6	91.0	42.5	33.6	1.05	1.37	1.20	0.12	1.19	1.23
09/11/25	4.0	4.0	1.0	15.4	3.8	2.6	3.0	9.3	3.5	3.6	0.37	0.65	0.46	0.48	0.14	0.55
09/11/29	1.7	4.0	0.4	15.5	1.8	1.8	2.1	6.0	1.8	2.7	0.17	0.43	0.39	0.25	0.30	0.28
09/12/03	1.1	6.0	0.2	15.4	2.0	1.8	0.5	3.4	1.8	1.5	0.02	0.16	0.06	0.18	0.31	0.20
09/12/10	4.7	14.0	0.3	16.4	7.2	2.9	3.6	9.1	3.6	5.7	0.60	0.90	1.22	0.40	0.17	0.52
10/03/31	5.0	8.0	0.6	18.3	4.8	0.9	1.5	9.5	2.3	3.5	0.12	0.03	0.22	0.15	0.06	0.04
10/04/12	8.0	10.0	0.8	15.9	9.4	1.2	0.3	16.6	3.6	5.1	0.23	0.37	0.02	0.23	0.51	0.14
10/04/21	11.0	18.0	0.6	15.0	1.7	1.1	1.5	15.0	3.4	3.9	0.25	0.05	0.04	0.27	0.47	0.85
10/05/05	23.3	10.0	2.3	16.3	39.6	19.3	8.7	41.4	18.7	12.7	0.24	0.26	0.38	0.02	0.20	0.60
10/05/11	2.5	8.0	0.3	16.4	0.3	0.6	1.0	1.8	0.7	0.7	0.06	0.00	0.26	0.24	0.00	0.06
10/05/17	52.7	22.0	2.4	13.7	97.8	72.0	58.4	77.3	37.3	33.1	0.37	0.45	0.45	0.04	0.11	0.11
10/05/22	39.9	44.0	0.9	17.7	36.7	25.0	30.6	27.4	11.9	12.2	0.48	0.25	0.39	0.45	0.39	0.36
10/05/31	2.7	6.0	0.5	17.6	0.1	0.6	0.5	2.7	1.3	0.8	0.00	0.00	0.02	0.03	0.53	0.08
10/06/12	75.3	34.0	2.2	11.1	135.8	102.9	107.4	156.0	77.3	55.5	0.08	0.04	0.07	0.02	0.12	0.08
10/06/14	12.6	6.0	2.1	19.4	17.3	15.3	9.8	15.2	6.1	5.3	0.23	0.27	0.33	0.03	0.02	0.04

10/06/16	1.6	4.0	0.4	19.1	0.1	0.5	1.7	1.8	0.9	0.5	0.00	0.35	0.00	0.03	0.09	0.08
10/06/18	49.3	16.0	3.1	18.1	38.2	30.4	51.0	41.0	18.8	46.7	0.33	0.35	0.26	0.14	0.15	0.02
10/06/26	24.5	20.0	1.2	16.7	46.6	22.7	12.1	44.7	15.5	11.9	0.20	0.15	0.24	0.07	0.36	0.27
10/06/29	8.0	8.0	1.0	18.7	6.9	1.4	3.0	13.2	4.3	5.0	0.15	0.15	0.25	0.07	0.36	0.24
10/07/16	183.3	42.0	4.4	13.3	121.0	101.1	132.9	216.4	96.4	124.2	0.40	0.04	0.26	0.14	0.03	0.28
10/07/18	11.2	14.0	0.8	21.7	27.8	5.1	0.3	8.8	1.8	1.1	0.08	0.15	0.04	0.02	0.03	0.08
10/07/20	10.7	12.0	0.9	21.2	6.2	2.5	1.3	7.4	2.6	2.4	0.17	0.06	0.07	0.09	0.16	0.15
10/07/22	58.3	12.0	4.9	20.5	37.4	31.4	43.0	93.3	42.3	61.8	0.05	0.02	0.02	0.02	0.03	0.06
10/07/26	3.0	6.0	0.5	20.6	2.3	0.7	0.3	3.9	1.8	2.9	0.04	0.05	0.06	0.05	0.64	0.09
10/08/02	9.1	6.0	1.5	17.1	13.3	2.2	1.4	17.4	4.3	7.1	0.08	0.20	0.04	0.16	0.09	0.04
10/08/04	4.3	6.0	0.7	16.4	2.6	1.2	0.7	5.3	2.9	1.5	0.14	0.07	0.08	0.12	0.08	0.10
10/08/05	16.8	14.0	1.2	16.2	18.9	3.6	1.9	26.3	4.8	8.5	0.10	0.23	0.16	0.05	0.11	0.18
10/08/06	27.5	16.0	1.7	17.5	39.3	34.1	21.8	25.3	23.8	17.2	0.02	0.17	0.24	0.02	0.21	0.23
10/08/08	6.7	4.0	1.7	20.0	5.2	2.0	3.3	7.7	2.8	4.2	0.16	0.05	0.21	0.02	0.10	0.16
10/08/10	57.4	14.0	4.1	19.3	42.8	43.4	73.8	56.5	42.4	83.6	0.00	0.02	0.03	0.02	0.03	0.05
10/08/12	12.7	18.0	0.7	21.4	5.8	1.8	1.8	10.1	3.9	3.2	0.16	0.08	0.31	0.08	0.10	0.19
10/08/14	86.6	12.0	7.2	21.4	24.4	30.2	34.5	99.4	53.6	69.8	0.00	0.00	0.00	0.00	0.02	0.06
10/08/18	75.5	6.0	12.6	20.2	33.7	37.7	46.6	112.3	48.2	72.9	0.00	0.00	0.00	0.02	0.03	0.10
10/08/22	16.7	16.0	1.0	19.8	13.5	3.7	2.4	26.2	7.2	5.7	0.15	0.07	0.39	0.03	0.17	0.16
10/08/24	131.4	34.0	3.9	20.5	54.6	38.9	60.7	76.8	54.4	72.9	0.06	0.00	0.05	0.06	0.03	0.15
10/08/27	45.5	6.0	7.6	22.2	37.3	15.1	22.3	41.0	39.3	60.4	0.02	0.02	0.02	0.03	0.03	0.05
10/08/28	113.2	28.0	4.0	23.4	36.6	17.7	22.1	60.2	48.5	47.2	0.02	0.00	0.03	0.02	0.06	0.08
10/08/31	5.9	10.0	0.6	21.6	4.8	2.3	1.2	8.8	1.4	2.6	0.06	0.10	0.09	0.08	0.09	0.09
10/09/01	100.6	18.0	5.6	21.4	49.5	29.4	43.3	73.5	53.2	74.8	0.02	0.02	0.02	0.02	0.05	0.03
10/09/03	17.6	4.0	4.4	22.7	13.9	3.6	5.0	14.9	8.8	18.7	0.02	0.10	0.05	0.00	0.02	0.02
10/09/05	30.6	8.0	3.8	21.8	19.6	12.2	11.6	20.1	10.5	26.9	0.02	0.12	0.08	0.00	0.02	0.02
10/09/09	262.7	46.0	5.7	20.4	56.1	42.6	63.2	168.9	92.9	74.8	0.15	0.14	0.13	0.18	0.17	0.25

10/09/12	13.4	4.0	3.4	23.6	6.5	4.4	1.9	15.1	6.8	11.6	0.02	0.03	0.02	0.00	0.02	0.03
10/09/19	31.4	26.0	1.2	19.0	38.4	20.9	10.8	41.6	15.2	14.6	0.07	0.17	0.12	0.09	0.22	0.22
10/09/21	48.1	14.0	3.4	21.7	24.0	22.3	40.0	34.8	37.5	63.0	0.02	0.03	0.15	0.02	0.02	0.07
10/11/07	10.8	8.0	1.4	11.7	6.3	11.2	3.0	21.3	24.0	10.2	0.33	0.13	0.45	0.71	0.50	0.36
10/11/11	6.1	4.0	1.5	12.6	0.7	1.1	2.8	10.6	6.0	2.1	0.00	0.12	0.26	0.26	0.16	0.20
10/11/22	1.0	4.0	0.3	12.1	2.3	1.1	2.1	3.2	8.1	1.9	0.02	0.35	0.43	0.15	0.27	0.79
10/11/28	3.0	6.0	0.5	11.5	3.7	3.0	6.1	4.5	20.4	2.0	0.19	0.19	0.23	0.15	0.23	0.28
11/03/28	1.0	4.0	0.3	13.9	2.9	1.9	3.9	2.1	2.5	4.1	0.43	0.75	0.66	0.26	0.69	1.21
11/04/07	2.0	6.0	0.3	12.5	3.0	3.7	2.7	2.4	1.0	1.0	0.25	0.28	0.33	0.15	0.28	0.26
11/04/10	1.5	2.0	0.8	12.0	3.8	2.1	2.1	1.1	1.9	1.2	0.06	0.38	0.56	0.04	0.17	0.17
11/04/18	1.5	6.0	0.3	10.8	2.0	1.9	1.6	1.5	1.6	1.6	0.07	0.03	0.08	0.06	0.20	0.19
11/04/22	14.5	14.0	1.0	10.4	15.2	5.0	3.3	26.9	3.5	2.7	0.38	0.56	0.55	0.41	0.22	0.56
11/04/26	3.9	4.0	1.0	10.8	3.5	1.6	2.4	3.4	2.2	2.5	0.04	0.08	0.11	0.06	0.11	0.04
11/04/27	11.0	12.0	0.9	10.9	18.2	5.3	2.8	36.6	7.5	13.1	0.30	0.50	0.44	0.28	0.29	0.32
11/05/06	14.5	14.0	1.0	14.5	29.6	7.5	3.4	32.3	8.3	7.6	0.30	0.44	0.43	0.10	0.26	0.35
11/05/09	65.5	36.0	1.8	15.4	57.8	84.3	90.1	43.7	26.0	83.0	0.72	0.54	1.08	0.02	0.02	0.02
11/05/20	20.0	16.0	1.3	15.3	33.9	7.2	3.5	42.6	11.4	11.9	0.63	0.42	0.39	0.41	0.38	0.54
11/06/22	89.2	44.0	2.0	9.2	65.4	49.1	65.7	230.4	135.7	169.5	0.19	0.46	0.32	0.05	0.24	0.05
11/06/25	96.5	46.0	2.1	16.3	80.9	111.7	128.8	23.2	20.5	43.0	0.27	0.31	0.47	0.25	0.34	0.28
11/06/29	138.5	36.0	3.8	20.1	31.2	24.5	63.1	91.7	60.8	62.5	0.42	0.22	0.21	0.18	0.19	0.22
11/07/03	68.0	16.0	4.3	20.8	24.4	22.4	29.9	82.0	39.5	65.4	0.11	0.08	0.08	0.08	0.04	0.13
11/07/07	35.0	12.0	2.9	19.7	29.1	21.5	23.7	37.7	19.6	28.2	0.08	0.07	0.08	0.02	0.03	0.03
11/07/09	1.5	4.0	0.4	21.6	0.7	0.4	0.4	3.4	1.2	0.7	0.06	0.04	0.08	0.05	0.04	0.09
11/07/11	40.0	18.0	2.2	20.5	22.9	20.1	22.3	30.3	17.1	33.5	0.07	0.06	0.06	0.05	0.09	0.07
11/07/12	234.6	108.0	2.2	23.1	17.1	11.0	16.3	32.3	25.4	45.8	0.44	0.80	0.83	0.57	1.06	0.94
11/07/24	86.3	26.0	3.3	18.0	49.0	37.1	49.6	57.7	29.4	53.8	0.06	0.11	0.10	0.04	0.04	0.03
11/07/26	218.0	16.0	13.6	21.9	29.3	23.8	48.5	144.3	89.8	66.3	0.07	0.02	0.00	0.07	0.06	0.09

11/07/27	360.6	30.0	12.0	24.7	29.8	40.5	68.6	104.6	82.1	35.4	0.00	0.00	0.02	0.04	0.03	0.23
11/07/31	74.1	18.0	4.1	21.2	27.7	27.6	36.0	59.0	52.2	66.0	0.02	0.02	0.00	0.05	0.03	0.09
11/08/03	37.7	8.0	4.7	21.9	20.7	19.4	28.1	32.9	31.2	49.1	0.02	0.03	0.04	0.00	0.02	0.02
11/08/04	23.6	6.0	3.9	23.8	9.9	8.4	9.2	14.9	11.9	18.3	0.00	0.03	0.02	0.02	0.06	0.03
11/08/06	1.0	6.0	0.2	20.8	0.4	0.3	0.6	1.4	1.0	0.3	0.02	0.00	0.04	0.05	0.13	0.09
11/08/07	48.4	22.0	2.2	19.7	33.8	23.9	26.8	39.2	17.3	38.7	0.13	0.12	0.15	0.11	0.13	0.06
11/08/12	41.7	50.0	0.8	20.4	24.0	14.4	16.6	32.1	26.4	41.5	0.16	0.19	0.26	0.02	0.02	0.03
11/08/16	35.5	28.0	1.3	21.6	14.1	11.5	12.8	18.5	18.6	25.1	0.16	0.02	0.21	0.00	0.18	0.20
11/08/20	3.0	4.0	0.8	20.3	1.0	0.9	0.7	3.0	23.6	0.9	0.07	0.10	0.02	0.10	0.02	0.21
11/08/22	22.6	6.0	3.8	19.4	22.1	16.9	19.4	32.1	14.0	26.3	0.12	0.15	0.13	0.03	0.04	0.02
11/09/09	1.0	6.0	0.2	10.8	6.3	3.8	4.1	5.3	2.0	2.5	0.25	0.82	0.07	0.15	0.19	0.16
11/09/17	8.3	10.0	0.8	9.5	2.5	1.2	3.9	10.5	2.3	2.1	0.06	0.18	0.18	0.23	0.22	0.17
11/09/29	23.6	10.0	2.4	8.0	41.4	5.4	5.3	61.0	43.9	50.8	0.92	0.74	1.17	1.67	1.57	2.21
11/10/14	5.3	6.0	0.9	8.5	6.2	2.1	4.0	3.0	3.0	2.7	0.19	0.09	0.13	0.21	0.11	0.07
11/11/06	24.7	8.0	3.1	9.0	38.3	12.3	4.7	77.8	50.6	34.2	0.75	0.61	0.68	0.37	0.92	1.01
11/11/11	1.6	6.0	0.3	10.9	4.7	2.0	4.2	2.8	5.1	3.3	0.08	0.11	0.55	0.34	0.46	0.44
11/11/18	4.6	6.0	0.8	10.7	3.1	0.9	1.8	4.6	4.3	1.7	0.04	0.05	0.06	0.07	0.27	0.07
12/03/16	3.5	10.0	0.4	13.5	9.8	4.3	5.1	32.8	20.9	7.1	0.06	0.97	0.97	0.94	1.13	0.95
12/03/23	14.6	32.0	0.5	14.4	44.4	23.1	18.7	31.8	16.8	21.0	0.68	0.98	0.67	1.36	1.39	1.22
12/04/02	44.2	36.0	1.2	15.5	54.9	41.9	59.0	37.5	24.0	36.2	1.32	0.82	0.95	0.00	0.07	0.02
12/04/10	10.2	22.0	0.5	17.2	18.1	6.4	2.8	21.5	14.8	6.3	0.09	0.17	0.15	0.05	0.09	0.18
12/04/21	48.7	44.0	1.1	14.4	69.2	49.3	59.1	63.5	42.3	35.7	0.58	0.49	0.34	0.04	0.02	0.12
12/04/25	27.9	22.0	1.3	18.8	20.7	12.1	15.1	28.3	16.5	23.1	0.34	0.17	0.17	0.02	0.02	0.03
12/05/14	12.3	10.0	1.2	11.1	29.1	5.0	3.7	43.8	18.0	15.9	0.36	0.22	0.10	0.29	0.31	0.17
12/05/17	2.4	4.0	0.6	11.9	3.7	1.4	1.0	6.3	2.8	1.4	0.19	0.17	0.17	0.03	0.37	0.16
12/05/27	9.8	8.0	1.2	9.2	32.9	3.4	2.5	15.3	10.8	4.6	0.83	0.30	0.09	0.38	0.77	0.18
12/05/31	2.2	2.0	1.1	9.3	16.0	2.7	0.2	6.8	7.9	3.4	0.45	0.43	0.00	0.33	0.25	0.16

12/06/29	113.1	32.0	3.5	7.1	144.5	111.4	95.2	282.8	238.4	315.8	0.95	1.12	1.10	0.02	0.03	0.02
12/07/10	29.5	24.0	1.2	16.5	28.5	21.2	23.6	39.6	25.4	21.1	0.29	0.30	0.34	0.02	0.06	0.10
12/07/13	100.1	62.0	1.6	18.6	41.4	29.4	55.8	104.5	84.1	70.4	0.34	0.24	0.00	0.03	0.00	0.05
12/07/18	107.9	28.0	3.9	19.8	38.3	27.4	50.0	163.4	125.5	69.0	0.02	0.02	0.00	0.02	0.05	0.06
12/07/22	20.5	18.0	1.1	19.2	18.2	9.4	9.8	24.7	16.1	11.7	0.06	0.09	0.14	0.06	0.06	0.17
12/07/30	12.6	4.0	3.2	16.0	17.2	7.8	2.3	34.8	15.4	8.7	0.19	0.16	0.20	0.11	0.15	0.24
12/08/12	38.8	12.0	3.2	10.2	43.1	2.9	5.7	160.1	69.7	60.0	0.31	0.52	0.22	0.42	0.43	0.41
12/08/14	170.7	20.0	8.5	13.6	104.0	129.5	206.7	167.6	147.2	109.6	0.09	0.04	0.04	0.06	0.04	0.11
12/08/18	118.4	48.0	2.5	19.3	46.0	21.8	32.4	34.3	60.2	71.8	0.04	0.10	0.03	0.00	0.00	0.23
12/08/21	101.5	26.0	3.9	21.6	18.6	12.7	15.3	44.3	65.9	43.7	0.14	0.05	0.07	0.13	0.10	0.20
12/09/04	29.8	26.0	1.1	18.7	26.1	14.4	13.5	34.8	22.4	15.5	0.11	0.10	0.10	0.10	0.11	0.21
12/09/08	19.7	8.0	2.5	19.1	23.4	10.6	11.5	31.5	16.1	12.3	0.03	0.20	0.23	0.02	0.09	0.19
12/09/13	15.7	16.0	1.0	18.3	21.5	8.0	6.4	27.0	16.2	8.6	0.10	0.17	0.23	0.05	0.14	0.34
12/09/16	86.1	22.0	3.9	18.5	46.1	37.4	56.9	99.2	65.8	86.1	0.02	0.03	0.02	0.02	0.02	0.08
12/09/28	12.4	6.0	2.1	17.3	5.9	3.6	4.5	12.8	7.2	0.9	0.29	0.21	0.23	0.15	0.26	0.46
12/10/17	11.8	8.0	1.5	11.4	25.3	8.0	1.6	29.8	5.9	4.3	0.58	0.59	0.60	0.33	0.17	0.63
12/10/20	13.8	6.0	2.3	11.8	27.7	22.9	3.7	45.9	26.4	27.3	0.20	0.16	0.16	0.16	0.27	0.19
12/10/22	35.4	14.0	2.5	13.7	48.5	28.6	51.8	56.9	42.5	36.7	0.68	0.89	0.70	0.03	0.09	0.53
12/10/27	42.8	16.0	2.7	16.2	51.2	44.1	59.1	38.9	26.7	46.6	0.46	1.19	1.15	0.04	0.03	0.00
12/11/04	15.3	26.0	0.6	17.2	18.4	7.4	4.0	24.9	12.7	9.7	0.86	0.81	0.53	0.06	0.33	0.67
12/11/11	35.2	26.0	1.4	18.0	34.4	29.1	38.3	31.0	19.9	29.5	0.26	0.26	0.38	0.07	0.02	0.02
12/11/16	8.6	10.0	0.9	19.2	12.2	4.4	4.5	16.3	6.6	4.1	0.07	0.24	0.31	0.13	0.09	0.30
12/11/19	5.1	12.0	0.4	19.6	6.1	2.5	2.9	9.7	3.6	2.2	0.30	0.52	0.75	0.11	0.04	0.18
12/11/28	4.4	6.0	0.7	18.7	3.7	1.3	1.4	10.4	3.6	2.7	0.03	0.12	0.20	0.11	0.07	0.18
13/04/01	6.0	12.0	0.5	17.8	9.3	1.9	2.0	13.4	7.0	5.1	0.10	0.36	0.03	0.17	0.35	0.22
13/04/06	16.5	22.0	0.8	17.6	39.3	21.0	18.7	27.9	18.6	10.2	0.06	0.30	0.29	0.04	0.05	0.34
13/04/08	1.5	2.0	0.8	19.5	0.1	0.1	0.9	3.0	0.7	0.2	0.00	0.00	0.13	0.07	0.02	0.00

13/04/20	5.0	8.0	0.6	16.2	6.7	1.1	2.0	11.3	6.0	3.9	0.19	0.05	0.20	0.17	0.44	0.14
13/04/23	2.0	6.0	0.3	15.9	2.7	1.0	1.6	5.9	3.3	0.6	0.07	0.05	0.03	0.08	0.15	0.05
13/04/25	5.0	8.0	0.6	15.7	8.5	2.0	0.8	14.4	6.3	5.0	0.07	0.10	0.03	0.12	0.09	0.14
13/04/26	1.5	4.0	0.4	16.4	3.2	1.9	1.1	1.6	3.9	0.5	0.02	0.03	0.03	0.02	0.04	0.47
13/04/29	19.5	6.0	3.3	15.7	37.8	9.3	3.2	36.9	18.2	8.1	0.07	0.24	0.48	0.05	0.48	0.62
13/05/02	2.0	6.0	0.3	16.3	0.8	1.8	1.0	2.8	2.4	1.5	0.04	0.25	0.54	0.18	0.15	0.50
13/05/09	18.5	16.0	1.2	14.0	31.5	2.7	1.1	45.0	18.0	10.2	0.26	0.63	0.35	0.09	0.27	0.57
13/05/18	19.5	16.0	1.2	12.7	51.7	5.7	1.8	56.1	21.4	11.1	0.32	0.61	0.53	0.10	0.41	0.73
13/05/27	86.0	40.0	2.2	12.0	148.6	98.7	105.4	111.2	63.4	59.9	0.09	0.53	0.68	0.06	0.08	0.06
13/06/04	1.0	2.0	0.5	16.1	1.2	1.6	3.3	1.8	2.7	0.7	0.02	0.04	0.11	0.05	0.09	0.17
13/06/11	13.0	18.0	0.7	11.8	22.3	1.2	0.7	26.9	11.4	8.0	0.32	0.25	0.02	0.18	0.43	0.21
13/06/18	7.5	12.0	0.6	11.3	9.8	3.3	3.3	9.0	5.1	5.4	0.41	0.14	0.20	0.27	0.36	0.32
13/07/02	59.5	16.0	3.7	8.5	99.6	71.0	7.4	168.6	112.5	62.7	0.45	0.36	0.19	0.38	0.31	0.48
13/07/04	1.5	6.0	0.3	13.3	3.4	0.5	3.8	2.6	1.8	5.6	0.44	0.38	0.17	0.11	0.16	0.51
13/07/07	148.0	42.0	3.5	12.5	134.0	113.8	192.7	163.7	97.7	130.2	0.55	0.55	0.55	0.02	0.00	0.16
13/07/11	276.5	72.0	3.8	20.8	41.3	25.2	42.9	155.9	127.7	64.9	0.02	0.53	0.53	0.62	0.68	0.67
13/07/16	29.5	10.0	3.0	21.2	18.7	8.0	8.0	27.0	18.1	34.8	0.02	0.02	0.08	0.00	0.02	0.02
13/07/18	4.0	8.0	0.5	20.9	1.3	0.5	1.2	3.5	1.5	0.7	0.03	0.10	0.10	0.09	0.07	0.02
13/07/20	50.5	12.0	4.2	19.6	31.7	20.7	25.9	52.6	41.4	73.1	0.02	0.03	0.03	0.00	0.00	0.03
13/07/22	106.0	22.0	4.8	21.5	22.5	15.0	20.7	51.7	40.2	55.4	0.22	0.22	0.21	0.10	0.26	0.26
13/07/23	23.5	8.0	2.9	24.6	8.2	3.8	3.1	7.4	7.2	11.7	0.00	0.02	0.02	0.00	0.00	0.03
13/07/28	52.0	20.0	2.6	18.8	36.1	25.9	33.2	48.7	33.2	49.3	0.10	0.02	0.03	0.10	0.11	0.04
13/07/30	41.5	10.0	4.2	20.7	19.9	15.4	19.3	41.2	33.9	60.3	0.00	0.02	0.03	0.02	0.00	0.08
13/08/05	12.0	2.0	6.0	18.6	15.0	4.1	2.8	22.1	9.9	6.5	0.06	0.05	0.14	0.12	0.14	0.14
13/08/06	15.0	4.0	3.8	19.5	18.5	10.7	9.4	21.0	13.8	11.2	0.03	0.17	0.15	0.02	0.05	0.24
13/08/09	2.0	2.0	1.0	19.3	2.4	0.8	0.9	3.3	5.4	0.8	0.02	0.05	0.05	0.04	0.09	0.04
13/08/15	3.5	2.0	1.8	15.4	2.2	1.4	1.5	3.6	6.4	1.4	0.06	0.14	0.02	0.11	0.02	0.13

13/08/16	13.5	4.0	3.4	15.3	22.9	7.3	2.9	30.7	15.6	9.9	0.19	0.17	0.17	0.09	0.21	0.21
13/08/18	7.5	10.0	0.8	16.1	2.7	0.7	1.3	7.3	5.3	3.4	0.04	0.19	0.19	0.11	0.33	0.14
13/08/23	6.0	6.0	1.0	13.5	3.6	1.5	0.7	13.4	9.1	2.4	0.12	0.07	0.13	0.22	0.17	0.05
13/09/10	17.5	20.0	0.9	12.3	42.6	6.1	3.2	57.9	22.7	17.1	0.26	0.36	0.26	0.24	0.03	0.35
13/09/14	25.5	6.0	4.3	19.9	21.7	14.2	33.7	26.7	17.7	40.1	0.39	0.23	0.30	0.00	0.08	0.03
13/09/24	7.8	12.0	0.7	14.5	3.7	2.6	2.6	10.9	5.9	4.1	0.12	0.22	0.06	0.16	0.24	0.21
13/09/28	21.5	12.0	1.8	13.5	43.3	19.9	9.7	67.5	34.9	21.1	0.26	0.35	0.29	0.08	0.28	0.74
13/10/08	4.0	10.0	0.4	13.0	3.0	1.4	0.8	3.9	11.2	0.9	0.21	0.20	0.04	0.13	0.11	0.38
13/10/11	1.5	2.0	0.8	12.6	2.2	1.0	2.1	1.0	2.2	0.6	0.02	0.03	0.08	0.09	0.03	0.00
13/10/15	14.5	8.0	1.8	11.5	30.5	8.2	3.3	32.8	24.6	21.4	0.85	0.38	0.41	0.47	0.33	0.46
13/11/02	7.0	6.0	1.2	10.6	20.1	1.8	3.6	9.3	7.7	4.3	0.72	0.66	0.34	0.21	0.65	0.53
13/11/06	1.5	6.0	0.3	10.8	1.3	1.5	2.3	3.0	2.4	1.5	0.00	0.19	0.36	0.18	0.29	0.10
13/11/09	12.0	12.0	1.0	10.6	26.9	1.9	2.1	15.1	13.9	4.7	0.74	1.08	0.05	0.85	0.64	1.01
13/11/14	4.0	4.0	1.0	10.9	4.2	2.2	2.9	5.1	8.4	2.8	0.29	0.13	0.38	0.29	0.25	0.23
13/11/16	6.0	2.0	3.0	11.1	19.5	5.3	5.1	18.7	16.7	19.5	1.51	1.16	0.15	1.42	0.68	1.55
13/11/24	23.0	14.0	1.6	11.9	29.6	22.4	4.2	64.7	39.6	29.0	0.51	0.38	0.46	0.02	0.39	0.52
13/11/27	4.5	8.0	0.6	14.5	20.5	15.4	16.4	8.7	5.6	9.2	1.05	0.96	0.06	0.67	1.12	1.04
13/12/09	15.0	14.0	1.1	14.6	24.0	21.5	2.5	24.7	14.4	12.5	0.15	0.16	0.27	0.08	0.16	0.25
13/12/11	4.0	6.0	0.7	16.2	1.1	1.5	1.9	0.3	0.7	1.1	0.15	0.10	0.19	0.00	0.00	0.10
13/12/12	3.5	6.0	0.6	15.9	2.2	2.2	3.5	2.0	1.0	0.9	0.05	0.05	0.08	0.02	0.06	0.00
14/04/03	1.0	2.0	0.5	12.0	3.7	3.6	2.2	0.8	1.9	1.2	0.56	0.17	0.85	0.00	0.14	0.27
14/04/17	1.5	2.0	0.8	10.1	4.7	1.7	1.6	2.2	7.5	2.4	0.32	0.37	0.00	0.27	0.77	0.09
14/04/27	15.5	28.0	0.6	9.1	8.9	5.0	8.7	3.9	5.6	4.3	1.32	0.49	0.44	0.41	1.02	0.95
14/05/04	1.5	6.0	0.3	8.8	2.9	3.4	4.8	4.4	4.9	3.1	0.45	0.28	0.12	0.15	0.09	0.28
14/05/07	7.5	12.0	0.6	8.5	24.8	6.8	6.4	19.5	4.8	3.6	0.47	0.62	0.49	0.31	0.23	0.55
14/05/11	44.0	16.0	2.8	8.5	78.7	53.7	16.0	175.9	63.4	51.2	1.42	0.81	0.64	0.05	1.28	1.28
14/05/22	2.0	2.0	1.0	9.8	4.4	1.6	4.7	1.5	1.1	1.6	0.19	0.03	0.48	0.05	0.02	0.06

14/05/25	20.0	12.0	1.7	9.2	67.7	10.9	6.1	40.3	20.4	22.1	1.17	0.57	0.55	0.35	0.20	0.40
14/06/02	9.5	22.0	0.4	9.0	3.0	1.4	2.5	6.8	2.9	2.2	0.97	0.46	0.37	0.29	0.04	0.36
14/06/10	4.0	4.0	1.0	8.2	3.3	3.3	0.7	3.3	1.5	1.8	0.33	0.18	0.04	0.37	0.33	0.26
14/06/13	1.0	2.0	0.5	8.6	5.1	2.1	3.4	2.3	3.7	0.8	0.62	0.53	0.20	0.09	0.10	0.39
14/06/17	4.0	6.0	0.7	8.3	1.9	1.0	3.2	3.4	5.6	1.7	0.72	0.84	0.24	0.24	0.61	0.31
14/06/22	22.5	12.0	1.9	8.0	25.5	7.0	4.8	81.6	36.1	39.5	0.95	0.50	0.42	0.37	0.55	0.73
14/06/28	5.0	4.0	1.3	9.0	6.3	2.6	4.1	12.2	7.4	3.3	0.69	0.39	0.41	0.22	0.69	0.32
14/07/02	35.0	20.0	1.8	8.7	98.6	55.5	12.6	129.8	57.3	51.0	0.72	1.35	1.01	0.27	1.08	1.20
14/07/09	2.0	4.0	0.5	10.5	4.1	2.8	3.3	0.8	0.9	1.5	0.20	0.22	0.04	0.07	0.06	0.05
14/08/13	5.5	10.0	0.6	16.6	0.9	3.4	3.4	7.2	2.3	3.3	0.10	0.00	0.33	0.17	0.14	0.10
14/08/17	1.5	6.0	0.3	15.8	0.6	1.3	2.3	1.0	0.9	0.5	0.02	0.10	0.10	0.12	0.10	0.00
14/08/18	2.5	4.0	0.6	15.6	1.9	1.9	0.8	3.0	1.5	0.5	0.02	0.04	0.04	0.06	0.04	0.07
14/08/19	29.0	18.0	1.6	15.5	61.2	44.3	18.9	39.6	21.9	21.2	0.36	0.32	0.05	0.08	0.19	0.24
14/08/21	34.5	14.0	2.5	18.5	26.7	29.1	63.4	20.9	11.5	25.9	0.00	0.10	0.65	0.08	0.02	0.05
14/08/26	14.5	2.0	7.3	17.6	23.2	17.6	11.4	32.1	11.4	10.5	0.51	0.10	0.18	0.07	0.68	0.25
14/09/26	7.5	2.0	3.8	11.4	6.3	3.4	2.8	16.7	4.6	24.5	0.28	0.15	0.24	0.35	0.12	0.16
14/09/28	10.0	14.0	0.7	11.4	13.0	3.1	3.5	11.1	29.8	3.2	0.20	0.31	0.53	0.54	0.24	0.62
14/10/16	2.5	2.0	1.3	10.9	3.4	2.4	2.1	2.9	2.5	2.5	0.48	0.54	0.14	0.08	0.29	0.41
14/10/20	20.0	12.0	1.7	10.5	16.1	3.7	3.3	61.3	34.8	37.7	0.14	0.16	0.23	0.16	0.23	0.17
14/10/21	7.0	10.0	0.7	12.5	6.0	4.7	6.2	7.8	6.4	6.1	0.59	0.30	0.44	0.94	0.78	0.83
14/10/26	3.0	2.0	1.5	12.1	8.1	2.1	4.7	2.6	2.9	1.8	1.33	1.24	0.98	0.14	1.12	0.93
14/11/02	3.5	6.0	0.6	11.7	4.0	0.2	2.7	2.0	2.0	1.2	0.45	0.00	1.05	0.25	0.63	0.90
14/11/11	5.0	6.0	0.8	10.9	4.8	1.1	3.7	12.0	10.6	2.1	0.09	0.00	0.11	0.60	0.90	0.75
14/11/16	1.5	2.0	0.8	11.0	6.1	3.5	4.6	2.6	2.3	3.2	1.02	0.38	0.66	0.95	0.95	0.96
14/11/22	7.5	4.0	1.9	11.0	23.0	7.3	3.4	28.0	18.2	19.3	1.14	0.50	0.59	0.63	0.91	1.28
14/11/28	17.5	12.0	1.5	11.7	19.1	5.8	5.5	49.2	18.6	15.4	0.28	0.17	0.21	0.19	0.29	0.23
14/11/30	10.0	12.0	0.8	13.5	12.7	12.6	4.9	10.8	13.3	12.9	0.19	1.33	1.75	0.13	1.94	2.15

14/12/10	1.0	4.0	0.3	13.5	1.5	2.4	1.4	3.0	1.4	3.1	0.83	0.79	0.17	0.35	0.37	0.89
14/12/15	6.0	10.0	0.6	13.2	5.0	3.8	3.4	3.3	1.7	2.5	0.07	0.19	0.09	0.14	0.33	0.27
15/04/13	21.5	28.0	0.8	15.3	32.4	14.1	2.8	34.4	11.8	9.5	0.23	0.35	0.39	0.14	0.29	0.19
15/04/16	2.5	4.0	0.6	16.9	9.8	10.4	11.5	4.7	1.7	3.9	0.21	0.36	0.39	0.10	0.16	0.26
15/04/19	20.5	18.0	1.1	16.6	33.1	15.9	13.8	21.2	8.8	10.9	0.29	0.58	1.23	0.04	0.13	0.32
15/05/03	3.5	10.0	0.4	14.0	8.8	7.4	9.9	4.9	3.1	1.5	0.06	0.27	0.18	0.22	0.16	0.15
15/05/11	28.0	18.0	1.6	12.0	56.1	16.9	8.2	75.9	27.8	26.4	0.23	0.45	0.54	0.18	0.53	0.44
15/06/05	1.5	6.0	0.3	8.0	9.1	6.3	9.6	6.3	2.7	6.0	0.65	0.31	0.41	0.18	0.20	0.44
15/06/11	10.5	10.0	1.1	7.6	8.3	6.5	9.2	20.8	13.7	21.1	0.15	0.32	0.22	0.32	0.16	0.30
15/06/14	15.5	4.0	3.9	7.7	77.0	20.8	15.7	60.8	39.0	48.8	0.13	0.33	0.25	0.09	0.51	0.31
15/06/16	2.0	2.0	1.0	9.1	7.3	5.7	12.9	4.8	4.1	2.3	0.59	0.08	0.20	0.73	0.35	0.64
15/06/20	5.5	6.0	0.9	8.3	22.8	23.2	11.8	46.1	28.6	36.4	0.31	0.49	0.45	0.35	0.20	0.69
15/06/25	24.0	16.0	1.5	8.6	56.1	30.1	19.5	82.2	32.9	39.1	0.62	0.79	0.65	0.47	0.61	0.85
15/07/12	54.0	40.0	1.4	7.8	93.0	48.3	31.4	179.3	102.4	77.9	0.70	0.38	0.77	0.16	0.65	1.26
15/07/18	4.5	8.0	0.6	11.0	6.1	5.7	11.0	5.1	3.0	5.1	0.08	0.30	0.32	0.06	0.11	0.32
15/07/21	4.5	4.0	1.1	10.6	11.3	10.2	14.1	7.4	4.3	3.3	0.07	0.09	0.13	0.10	0.14	0.21
15/07/22	13.0	2.0	6.5	10.6	3.4	7.3	10.8	9.7	3.7	4.0	0.04	0.07	0.18	0.25	0.18	0.28
15/07/23	179.5	46.0	3.9	10.5	156.0	190.7	258.2	156.0	132.7	189.1	0.27	0.47	0.31	0.00	0.08	0.29
15/07/29	8.0	6.0	1.3	18.6	7.1	5.9	5.7	10.2	5.7	6.5	0.26	0.10	0.12	0.04	0.19	0.23
15/08/01	58.5	14.0	4.2	18.0	17.9	10.7	9.2	19.5	10.5	11.3	0.07	0.19	0.23	0.08	0.16	0.29
15/08/05	1.0	2.0	0.5	18.1	3.0	4.0	4.0	0.6	1.5	1.4	0.07	0.08	0.15	0.05	0.04	0.08
15/08/08	38.0	6.0	6.3	16.2	50.4	37.3	40.6	55.5	28.5	46.4	0.22	0.06	0.32	0.02	0.03	0.03
15/08/13	5.5	2.0	2.8	17.0	24.2	12.7	8.8	33.1	10.7	13.1	0.02	0.24	0.15	0.06	0.18	0.30
15/09/02	19.0	4.0	4.8	10.4	78.4	72.0	38.3	108.9	68.8	90.7	0.19	0.40	0.30	0.21	0.27	0.64
15/09/05	1.5	4.0	0.4	13.8	10.1	6.2	7.4	8.6	4.2	1.8	0.07	0.16	0.15	0.09	0.00	0.18
15/10/01	19.0	6.0	3.2	7.8	88.9	37.9	9.4	88.5	69.1	69.2	0.19	0.92	0.50	0.45	0.86	0.69
15/10/10	4.0	8.0	0.5	8.7	6.7	5.3	13.5	7.4	8.7	5.9	0.21	0.06	0.12	0.12	0.14	0.19

15/10/11	6.0	6.0	1.0	8.8	7.5	9.7	13.0	8.2	7.4	16.1	0.43	0.64	0.88	0.18	0.24	0.53
15/10/24	8.0	4.0	2.0	8.0	36.8	9.6	14.2	17.5	25.0	47.5	0.12	0.20	0.17	0.21	0.31	0.27
15/10/26	28.5	14.0	2.0	8.6	70.4	31.8	12.2	81.8	74.7	49.7	0.43	0.48	0.38	0.50	0.42	0.44
15/10/29	1.0	2.0	0.5	11.3	4.0	14.3	15.9	6.9	3.5	2.5	1.84	1.00	1.45	0.63	0.47	1.09
15/11/06	52.0	50.0	1.0	10.2	87.0	47.9	17.0	81.1	55.0	54.6	0.11	0.63	0.20	0.31	0.06	0.78
15/11/13	20.5	24.0	0.9	14.0	26.7	15.7	21.5	23.1	12.7	17.9	0.30	0.16	0.27	0.12	0.32	0.35
15/11/16	6.5	10.0	0.7	15.4	11.4	8.5	16.1	9.2	5.7	7.2	0.11	0.27	0.04	0.20	0.20	0.27
15/11/18	7.5	6.0	1.3	15.7	17.8	15.0	19.3	11.9	9.0	10.9	0.71	0.66	0.35	0.33	0.33	0.52
15/11/22	10.0	12.0	0.8	16.1	13.7	11.2	16.3	12.6	8.5	10.1	0.15	0.17	0.16	0.08	0.22	0.22
15/11/24	14.0	24.0	0.6	17.0	14.3	20.3	36.2	8.4	5.4	6.5	0.67	0.49	0.50	0.15	0.12	0.13
15/11/29	4.0	8.0	0.5	17.4	10.8	6.6	6.4	6.7	3.6	5.0	0.30	0.39	0.33	0.29	0.09	0.18
15/12/02	18.5	10.0	1.9	17.6	15.7	21.3	34.5	13.6	7.2	16.1	1.11	0.49	0.70	0.06	0.30	0.07
16/04/07	5.0	4.0	1.3	13.2	10.3	4.5	9.6	12.2	5.4	2.5	0.09	0.05	0.02	0.17	0.04	0.37
16/04/16	60.5	16.0	3.8	11.6	109.5	79.4	83.3	112.7	84.3	85.4	0.24	0.16	0.22	0.03	0.02	0.02
16/04/18	3.4	2.0	1.7	18.7	5.4	4.7	9.6	5.0	2.4	2.9	0.08	0.33	0.28	0.12	0.06	0.03
16/04/20	20.2	12.0	1.7	18.0	18.2	11.5	24.6	21.2	9.9	12.1	0.06	0.35	0.33	0.13	0.07	0.16
16/05/02	49.8	28.0	1.8	14.8	71.0	47.4	55.1	61.5	34.4	53.9	0.13	0.31	0.29	0.14	0.07	0.02
16/05/05	26.8	16.0	1.7	18.9	19.5	13.2	16.6	16.5	7.6	10.3	0.19	0.17	0.36	0.12	0.16	0.14
16/05/10	9.7	12.0	0.8	18.6	11.0	4.5	4.8	14.9	5.4	6.1	0.14	0.28	0.12	0.21	0.15	0.33
16/05/15	39.5	12.0	3.3	16.9	36.5	32.2	45.1	43.5	23.4	46.3	0.11	0.22	0.15	0.03	0.05	0.03
16/05/24	31.3	10.0	3.1	15.0	43.2	26.1	14.5	58.5	27.4	24.8	0.20	0.26	0.26	0.10	0.21	0.40
16/06/11	10.4	8.0	1.3	10.2	14.7	6.0	7.2	10.4	7.7	6.4	0.29	0.06	0.24	0.20	0.17	0.08
16/06/14	15.5	14.0	1.1	10.0	23.1	6.2	8.4	50.9	23.7	33.7	0.31	0.34	0.33	0.40	0.26	0.35
16/06/23	1.6	12.0	0.1	9.2	5.9	7.3	8.8	5.4	3.0	3.2	0.22	0.20	0.40	0.27	0.22	0.47
16/06/30	83.7	20.0	4.2	8.2	166.9	176.7	197.5	232.7	279.3	271.6	0.22	0.22	0.43	0.06	0.02	0.07
16/07/04	198.8	34.0	5.8	18.3	39.0	34.3	49.2	115.6	74.0	84.1	0.04	0.02	0.14	0.06	0.04	0.15
16/07/15	50.1	46.0	1.1	14.1	75.7	53.9	45.7	73.0	40.9	38.5	0.25	0.35	0.16	0.19	0.36	0.42

16/07/23	8.5	14.0	0.6	15.9	14.5	3.6	7.1	24.4	10.1	9.9	0.26	0.15	0.34	0.24	0.20	0.37
16/07/27	22.8	18.0	1.3	15.9	22.5	12.6	9.3	25.7	10.8	11.0	0.11	0.06	0.22	0.21	0.20	0.23
16/07/29	14.2	12.0	1.2	17.0	10.9	7.8	10.6	14.9	8.8	8.2	0.07	0.21	0.19	0.21	0.31	0.25
16/08/02	3.6	4.0	0.9	15.8	1.3	3.3	7.1	5.4	1.5	2.8	0.14	0.14	0.31	0.00	0.34	0.02
16/08/14	2.8	10.0	0.3	9.6	11.1	6.7	6.1	14.7	21.0	10.7	0.26	0.17	0.51	0.13	0.12	0.13
16/08/30	7.8	20.0	0.4	8.4	34.3	14.6	7.9	69.2	59.0	45.4	0.22	0.09	0.31	0.28	0.19	0.33
16/09/02	5.9	4.0	1.5	11.1	12.0	18.4	8.8	19.6	17.2	15.8	0.45	0.45	0.37	0.26	0.34	0.44
16/09/27	19.7	18.0	1.1	7.3	44.0	7.8	13.2	56.7	44.2	58.7	0.59	0.13	0.85	0.61	0.65	0.69
16/10/02	206.7	20.0	10.3	8.3	153.7	221.1	279.4	327.0	283.9	283.8	0.07	0.12	0.28	0.03	0.03	0.07
16/10/07	2.9	8.0	0.4	17.5	2.1	1.7	5.6	2.5	2.6	1.6	0.17	0.03	0.31	0.16	0.15	0.09
16/10/16	0.9	8.0	0.1	14.5	5.4	3.7	9.2	0.7	5.2	2.2	0.12	0.28	0.19	0.22	0.32	0.13
16/10/23	1.2	6.0	0.2	13.0	7.9	3.7	3.6	3.2	5.0	2.4	0.18	0.20	0.14	0.18	0.24	0.28
16/10/25	36.6	12.0	3.1	13.0	50.4	55.9	51.8	73.2	47.3	60.8	0.25	0.36	0.41	0.02	0.06	0.03
16/11/02	4.1	6.0	0.7	16.1	7.8	3.1	9.5	4.0	4.1	3.6	0.56	0.16	0.35	0.52	0.22	0.24
16/11/07	2.3	6.0	0.4	15.8	9.5	5.1	10.4	14.5	4.3	4.7	0.33	0.38	0.46	0.43	0.31	0.34
16/11/11	2.0	4.0	0.5	16.0	6.9	5.0	9.1	5.2	2.4	2.8	0.22	0.26	0.23	0.36	0.24	0.22
16/11/14	3.7	4.0	0.9	15.7	5.1	5.8	9.2	6.3	4.9	3.8	0.44	0.36	0.16	0.33	0.60	0.69
16/11/26	2.5	6.0	0.4	14.5	6.6	3.9	12.6	6.5	4.6	3.8	0.54	0.31	0.26	0.43	0.48	0.64
16/11/30	0.9	4.0	0.2	14.5	3.9	4.0	10.4	2.9	4.0	1.8	0.87	1.22	0.69	1.55	1.33	0.90
