AÑO METEOROLÓGICO TÍPICO
PARA APLICACIONES DE ENERGÍA SOLAR
SALTO – PLANILLA DIARIA

LABORATORIO DE ENERGÍA SOLAR
UNIVERSIDAD DE LA REPÚBLICA

Versión 2.4, junio de 2016

ESTACIÓN SALTO
LAT: -31.27 (deg).
LON -57.88 (deg).
ALT: 50 metros s.n.m.

DATOS APORTADOS
INUMET, Uruguay.
INIA, Uruguay.
UTE, Uruguay.
LES/UdelaR, Uruguay.

HORA UTC (GMT-0)

VARIABLES METEOROLÓGICAS
GHI – Irradiación global en plano horizontal (MJ/m2).
DNI – Irradiación directa en incidencia normal (MJ/m2).
GTI20 – Irradiación global en plano inclinado a 20º (MJ/m2).
GTI35 – Irradiación global en plano inclinado a 35º (MJ/m2).
GTI45 – Irradiación global en plano inclinado a 45º (MJ/m2).
GTI60 – Irradiación global en plano inclinado a 60º (MJ/m2).
GTI90 – Irradiación global en plano inclinado a 90º (MJ/m2).
TAM – Temperatura promedio de aire ambiente (ºC).
HRE – Humedad relativa promedio (%).
PAM – Presión atmosférica promedio (hPa).
VVI02 – Módulo promedio de velocidad de viento a 2 metros (m/s).
DVI02 – Dirección promedio de velocidad de viento a 2 metros (deg).
VVI20 – Módulo promedio de velocidad de viento a 20 metros (m/s).
DVI20 – Dirección promedio de velocidad de viento a 20 metros (deg).

COLUMNAS DE METADATOS
DOY – Día Juliano (día del año).
MES – Mes del año.
DIA – Día del mes.

MEMORIA TÉCNICA: Año Meteorológico Típico para Aplicaciones de Energía Solar (AMTUes): series horarias típicas para 5 sitios del Uruguay. R. Alonso-Suárez et al (2016). Disponible en: http://les.edu.uy

DOY	MES	DIA	GHI	DNI	GTI20	GTI35	GTI45	GTI60	GTI90	TAM	HRE	PAM	VVI02	DVI02	VVI20	DVI20
1	1	1	26.2	22.8	24.4	21.8	19.8	16.1	8.5	25.5	67.6	1008.5	3.8	256.7	3.7	214.6
2	1	2	32.0	36.0	30.0	26.6	23.7	18.3	6.9	27.6	52.2	1008.9	3.3	271.8	6.3	135.0
3	1	3	27.2	22.8	26.0	23.6	21.5	17.5	8.2	27.7	47.4	1010.2	2.2	328.7	5.3	342.7
4	1	4	30.5	31.7	28.7	25.7	23.0	18.2	7.5	26.3	50.2	1009.6	4.6	310.5	2.5	261.9
5	1	5	30.7	32.1	29.0	26.0	23.3	18.3	7.3	25.9	41.5	1006.3	3.1	273.8	2.5	214.4
6	1	6	31.3	34.4	29.5	26.3	23.6	18.6	7.3	29.1	40.2	1008.5	3.7	157.3	5.3	204.5
7	1	7	30.2	30.9	28.7	25.8	23.2	18.3	7.6	31.4	40.5	1007.3	5.8	138.3	6.2	162.5

8	1	8	28.2	25.6	26.9	24.4	22.2	17.9	8.1	33.5	47.6	1005.4	5.3	111.0	2.0	221.4
9	1	9	30.7	34.3	28.8	25.6	22.9	17.9	7.3	32.3	45.5	1006.3	9.8	175.0	4.2	194.3
10	1	10	26.4	22.7	25.3	23.1	21.0	17.2	8.3	32.8	57.8	1006.3	5.7	110.5	5.2	222.7
11	1	11	17.9	10.5	17.1	15.8	14.6	12.6	7.8	27.5	72.5	1011.0	7.8	265.0	4.6	311.3
12	1	12	22.0	17.5	21.0	19.2	17.6	14.5	7.6	28.2	73.9	1010.0	7.0	193.6	6.1	289.2
13	1	13	15.7	11.2	14.9	13.6	12.5	10.3	5.9	24.1	88.8	1013.5	5.7	252.4	5.4	266.1
14	1	14	27.4	25.7	26.5	24.2	22.0	17.9	8.0	28.5	75.2	1010.8	5.4	153.0	4.8	282.5
15	1	15	29.1	29.8	27.6	24.9	22.5	17.9	8.0	31.4	59.6	1007.0	4.9	135.5	2.9	251.5
16	1	16	7.8	0.4	7.6	7.2	6.8	6.2	4.7	22.9	83.4	1011.8	7.3	303.6	2.8	210.4
17	1	17	31.5	37.0	29.9	26.8	24.1	19.0	7.6	21.3	54.9	1020.5	8.1	291.6	3.9	186.4
18	1	18	31.5	36.9	29.9	26.8	24.1	19.0	7.7	20.4	61.9	1017.6	5.8	257.2	3.5	172.9
19	1	19	24.8	19.8	23.6	21.6	19.9	16.6	9.3	23.0	70.7	1010.0	3.1	258.3	4.0	148.1
20	1	20	23.5	20.0	22.6	20.7	19.0	15.7	8.1	25.8	74.0	1007.6	2.0	166.7	4.4	195.9
21	1	21	25.7	22.2	24.8	22.7	20.9	17.3	8.7	25.4	75.8	1011.4	3.1	317.7	6.4	168.9
22	1	22	19.8	11.1	19.2	17.9	16.6	14.3	8.8	25.0	70.9	1012.8	3.7	275.6	6.4	216.6
23	1	23	28.5	30.3	27.2	24.7	22.4	18.1	8.3	26.0	67.2	1010.1	4.7	253.2	7.4	175.7
24	1	24	27.5	27.6	26.3	23.9	21.8	17.8	8.6	26.5	68.3	1007.0	3.6	236.3	6.9	247.8
25	1	25	27.8	27.3	26.9	24.7	22.6	18.6	8.9	25.4	72.7	1008.6	6.0	342.8	7.3	293.6
26	1	26	30.8	36.2	29.7	27.0	24.5	19.7	8.4	24.1	64.8	1015.4	4.2	286.9	4.5	264.6
27	1	27	30.8	36.3	29.7	27.0	24.6	19.8	8.5	23.8	58.8	1013.9	3.7	242.9	2.9	255.9
28	1	28	30.7	36.2	29.7	27.0	24.6	19.9	8.6	27.6	55.1	1012.3	2.3	238.0	4.6	152.0
29	1	29	29.8	34.5	28.8	26.3	23.9	19.4	8.6	29.1	55.2	1011.4	2.6	244.9	1.6	305.0
30	1	30	26.0	25.3	25.1	23.0	21.2	17.6	9.3	22.8	65.9	1014.3	3.9	212.7	3.0	333.3
31	1	31	27.6	27.6	27.1	25.1	23.1	19.2	9.3	26.0	73.5	1011.6	5.9	260.1	5.2	180.4
32	2	1	30.2	35.7	29.5	27.1	24.8	20.2	9.0	27.3	57.7	1012.9	1.4	335.8	5.8	332.1
33	2	2	30.1	35.6	29.5	27.1	24.9	20.3	9.1	27.4	53.5	1012.4	1.0	339.0	6.5	297.3
34	2	3	28.6	31.2	28.0	25.9	23.8	19.7	9.4	28.2	52.4	1009.1	1.9	71.7	3.7	274.8
35	2	4	16.0	8.7	15.2	14.1	13.3	11.7	8.1	27.0	62.7	1005.4	2.8	70.9	3.9	196.3
36	2	5	18.8	11.1	18.2	17.1	16.1	14.2	9.5	23.3	85.3	1002.3	3.1	23.4	4.1	212.9
37	2	6	25.9	26.2	25.7	24.0	22.3	18.7	9.5	25.3	74.0	1002.2	3.5	317.9	4.0	220.5
38	2	7	29.6	35.1	29.3	27.2	25.1	20.8	9.7	24.0	69.9	1011.0	3.1	230.4	4.9	253.6
39	2	8	29.4	35.1	29.2	27.2	25.1	20.9	9.9	23.9	60.3	1016.3	3.0	134.0	4.9	311.3
40	2	9	27.4	28.5	27.4	25.7	23.9	20.1	10.1	25.7	59.3	1015.3	4.5	109.6	5.4	359.3
41	2	10	24.9	23.6	24.7	23.2	21.6	18.5	10.3	27.1	65.0	1014.7	3.8	157.4	5.5	345.8

42	2	11	26.7	28.1	26.7	25.1	23.4	19.8	10.3	23.7	65.3	1018.2	4.5	183.9	3.8	338.0
43	2	12	27.7	30.3	27.9	26.3	24.5	20.8	10.6	23.3	61.0	1015.6	4.9	124.6	1.7	200.2
44	2	13	28.8	34.5	29.0	27.3	25.4	21.4	10.6	23.9	59.8	1011.0	2.7	114.0	3.2	258.7
45	2	14	26.3	26.6	26.6	25.3	23.7	20.2	10.8	26.8	66.2	1007.3	2.7	80.8	2.9	280.4
46	2	15	7.7	3.5	7.5	7.0	6.7	6.0	4.2	22.6	87.4	1006.5	2.7	51.6	3.1	237.2
47	2	16	21.1	18.3	21.3	20.3	19.1	16.6	9.7	26.7	72.3	1003.0	4.1	62.0	3.9	224.8
48	2	17	10.2	4.3	9.9	9.4	8.9	8.0	5.7	19.6	84.0	1004.9	5.5	254.0	3.8	225.9
49	2	18	28.1	33.9	28.7	27.3	25.6	21.8	11.3	18.0	67.3	1013.8	3.0	253.6	5.6	203.3
50	2	19	28.0	33.7	28.7	27.3	25.6	21.9	11.5	20.3	63.4	1015.0	2.7	151.4	5.2	175.3
51	2	20	26.1	29.2	26.6	25.4	23.9	20.6	11.3	27.5	62.5	1011.0	4.0	138.9	5.5	259.3
52	2	21	21.5	16.8	21.8	20.9	19.9	17.5	10.9	24.4	72.4	1012.1	4.2	112.7	4.9	335.5
53	2	22	23.6	23.3	24.4	23.6	22.3	19.5	11.1	26.1	79.9	1010.9	2.2	79.4	3.7	317.5
54	2	23	8.3	2.5	8.2	7.9	7.5	6.8	4.9	24.5	89.7	1012.4	2.5	93.7	2.9	25.5
55	2	24	25.0	25.2	26.1	25.2	24.0	21.0	12.1	25.6	83.1	1011.1	1.2	251.1	4.7	307.9
56	2	25	20.4	15.0	20.7	20.0	19.0	17.0	10.9	28.1	79.2	1009.9	2.3	80.3	4.7	268.8
57	2	26	2.7	0.5	2.6	2.5	2.4	2.2	1.7	24.0	88.7	1009.4	3.3	73.4	4.6	359.2
58	2	27	14.7	9.7	15.2	14.8	14.1	12.7	8.2	23.8	85.0	1006.4	5.1	49.2	4.2	287.1
59	2	28	7.3	1.5	7.1	6.7	6.4	5.8	4.4	21.9	93.1	1007.9	1.9	103.3	7.6	263.2
60	3	1	12.8	4.6	12.8	12.4	11.9	10.8	7.7	22.2	91.0	1000.3	4.5	244.4	5.9	244.7
61	3	2	15.7	6.8	15.9	15.4	14.7	13.4	9.5	22.6	88.0	1001.1	3.2	233.5	5.9	193.2
62	3	3	11.8	3.7	11.9	11.5	11.0	10.0	7.2	22.1	89.0	1006.2	2.4	123.8	3.9	27.8
63	3	4	10.9	2.5	10.7	10.2	9.8	8.9	6.7	20.9	85.3	1009.2	1.4	43.8	4.6	11.3
64	3	5	24.2	27.5	25.7	25.3	24.2	21.6	13.0	22.4	73.0	1008.5	1.3	346.7	2.4	335.3
65	3	6	25.2	29.5	27.1	26.8	25.7	22.9	13.8	21.8	70.0	1008.8	1.9	342.1	2.5	217.5
66	3	7	25.3	30.4	27.3	27.1	26.0	23.3	14.0	22.4	71.0	1012.0	3.1	309.6	3.9	248.1
67	3	8	11.5	7.1	11.6	11.2	10.7	9.6	6.8	21.4	77.8	1013.3	2.0	266.9	4.5	237.3
68	3	9	24.6	28.9	26.7	26.5	25.6	23.0	14.2	24.5	67.8	1014.1	1.7	265.5	3.6	219.4
69	3	10	16.2	8.0	16.8	16.5	15.9	14.6	10.3	23.4	75.9	1015.0	0.6	265.1	4.1	84.0
70	3	11	21.8	21.1	23.5	23.4	22.7	20.6	13.4	20.0	65.0	1015.0	2.6	346.5	3.9	303.0
71	3	12	23.8	28.4	26.0	26.0	25.2	22.8	14.4	19.5	67.6	1015.9	1.0	308.3	5.6	320.8
72	3	13	22.8	25.7	25.0	25.0	24.2	22.0	14.2	19.8	70.5	1017.3	2.0	87.5	5.4	313.1
73	3	14	22.5	25.8	24.7	24.7	24.0	21.9	14.2	20.4	71.5	1018.8	1.8	83.2	5.3	317.6
74	3	15	23.9	29.6	26.6	26.8	26.1	23.7	15.3	21.0	69.6	1018.1	2.9	320.9	5.0	326.6
75	3	16	23.3	28.4	25.9	26.2	25.5	23.3	15.2	23.2	65.3	1016.6	2.3	275.5	6.1	333.3

76	3	17	20.0	19.6	21.8	21.9	21.3	19.6	13.3	24.4	62.7	1015.7	7.5	219.9	7.1	302.4
77	3	18	20.7	20.4	22.9	23.1	22.6	20.8	14.0	24.8	64.8	1015.9	6.0	231.1	6.7	291.5
78	3	19	23.2	29.1	26.1	26.6	26.0	23.9	15.8	25.9	57.5	1011.6	1.9	294.2	5.2	272.7
79	3	20	22.7	27.8	25.6	26.1	25.6	23.6	15.8	25.8	62.6	1011.9	2.5	343.2	4.8	211.6
80	3	21	22.9	29.0	25.9	26.5	26.0	24.0	16.1	25.9	65.1	1012.4	4.3	292.0	5.4	70.5
81	3	22	9.9	5.3	10.1	9.9	9.5	8.8	6.6	22.3	65.6	1014.1	3.2	354.9	1.5	48.5
82	3	23	22.5	28.8	25.7	26.4	26.0	24.1	16.4	20.5	67.4	1017.3	2.2	302.3	3.0	278.6
83	3	24	22.0	27.9	25.2	25.9	25.5	23.8	16.3	22.6	68.0	1016.2	3.9	302.5	3.8	265.5
84	3	25	22.2	28.6	25.5	26.3	26.0	24.2	16.7	23.2	56.6	1014.9	7.8	263.4	3.7	281.2
85	3	26	19.3	21.2	21.8	22.3	22.0	20.6	14.6	23.5	61.7	1011.5	6.4	266.6	4.4	354.4
86	3	27	11.6	5.9	12.1	12.0	11.7	10.9	8.2	22.3	75.8	1010.4	5.7	269.2	4.4	310.7
87	3	28	17.0	14.3	18.8	19.2	18.9	17.7	13.0	21.4	76.5	1014.2	4.9	270.3	4.0	277.9
88	3	29	20.0	23.9	23.1	23.9	23.7	22.3	16.0	21.4	74.1	1017.3	3.6	276.3	4.6	258.4
89	3	30	19.6	22.4	22.6	23.4	23.2	21.9	15.7	21.8	60.9	1015.6	1.9	269.5	4.7	232.1
90	3	31	20.6	26.3	24.1	25.1	25.0	23.6	17.0	22.2	67.3	1011.7	4.2	223.1	4.1	222.5
91	4	1	10.6	3.7	10.8	10.6	10.2	9.5	7.4	20.3	80.7	1020.2	3.0	139.4	5.4	275.4
92	4	2	12.5	7.2	13.2	13.2	12.9	12.1	9.3	21.6	77.7	1020.3	5.2	255.6	6.2	259.4
93	4	3	20.5	27.1	24.3	25.5	25.5	24.3	17.7	23.7	75.6	1016.4	6.0	228.1	5.7	237.6
94	4	4	20.6	28.4	24.5	25.9	25.9	24.7	18.1	24.7	75.5	1014.7	4.4	217.0	4.7	220.4
95	4	5	20.1	27.6	24.1	25.4	25.5	24.4	18.0	26.2	76.2	1013.3	3.1	206.6	3.9	205.5
96	4	6	3.9	0.2	3.8	3.6	3.5	3.2	2.5	24.2	88.6	1012.7	1.9	223.7	3.7	245.6
97	4	7	3.7	1.4	3.8	3.7	3.6	3.4	2.6	23.6	91.9	1008.2	6.9	242.0	6.7	254.5
98	4	8	9.9	9.1	11.1	11.4	11.4	10.8	8.4	22.1	91.3	1005.0	4.6	308.9	5.3	323.5
99	4	9	19.4	27.1	23.6	25.1	25.3	24.4	18.3	19.1	74.5	1011.3	1.7	347.5	2.9	5.9
100	4	10	5.2	4.4	5.7	5.9	5.8	5.5	4.4	16.8	84.2	1013.7	3.5	255.9	4.5	300.2
101	4	11	3.2	0.3	3.1	3.0	2.9	2.6	2.0	16.4	94.9	1012.5	7.1	301.5	6.8	300.1
102	4	12	17.7	21.6	21.3	22.6	22.8	22.0	16.7	17.0	75.0	1011.0	4.8	25.8	7.1	25.2
103	4	13	16.6	19.7	19.8	21.0	21.2	20.5	15.9	12.5	68.0	1022.0	4.3	26.4	5.4	29.4
104	4	14	16.3	19.7	19.5	20.8	21.0	20.4	15.9	12.6	82.5	1023.0	0.5	283.0	1.2	326.7
105	4	15	18.6	27.1	23.1	25.0	25.4	24.7	19.1	14.2	74.9	1019.2	1.8	226.7	2.7	265.6
106	4	16	18.5	27.0	23.0	24.9	25.3	24.7	19.2	16.1	74.1	1013.3	1.9	213.8	3.6	204.6
107	4	17	14.2	14.3	16.7	17.6	17.7	17.2	13.6	19.4	76.8	1012.5	0.7	266.9	2.7	261.3
108	4	18	16.7	20.8	20.4	21.9	22.2	21.6	16.8	18.7	80.9	1013.0	3.9	310.6	4.6	313.2
109	4	19	17.0	23.5	21.1	22.9	23.3	22.8	18.0	17.8	80.2	1016.6	3.8	305.1	4.4	281.1

110	4	20	17.6	25.8	22.1	24.1	24.6	24.2	19.1	16.9	75.9	1019.0	3.2	265.3	4.7	267.3
111	4	21	17.4	25.6	22.0	24.0	24.6	24.1	19.1	20.3	75.1	1016.6	2.1	271.2	3.7	279.2
112	4	22	17.2	24.7	21.7	23.7	24.2	23.8	18.9	16.8	75.4	1019.1	4.1	297.3	4.6	289.1
113	4	23	17.3	26.1	22.1	24.2	24.8	24.5	19.5	14.9	73.3	1020.5	2.3	277.1	3.5	276.2
114	4	24	17.1	26.0	22.0	24.1	24.8	24.5	19.6	15.0	70.7	1021.6	2.7	286.4	3.8	272.0
115	4	25	16.7	25.0	21.4	23.6	24.2	23.9	19.3	14.6	76.5	1021.2	3.1	287.8	4.2	279.0
116	4	26	16.4	23.6	21.0	23.0	23.6	23.3	18.7	13.7	76.1	1019.6	4.1	258.0	5.7	258.8
117	4	27	16.7	25.5	21.5	23.8	24.5	24.3	19.7	17.4	71.6	1017.6	6.3	232.2	6.3	238.4
118	4	28	9.0	8.0	10.4	10.9	11.0	10.7	8.7	19.4	85.0	1017.5	4.0	201.1	5.2	219.9
119	4	29	8.2	5.1	9.2	9.5	9.5	9.1	7.4	18.2	83.9	1015.1	2.6	210.1	3.2	228.7
120	4	30	12.9	14.6	16.0	17.3	17.6	17.3	14.0	18.9	83.9	1009.9	1.6	267.8	2.5	291.3
121	5	1	13.2	14.8	16.3	17.6	18.0	17.6	14.3	13.6	85.6	1018.4	6.1	235.3	5.8	265.0
122	5	2	15.2	21.8	19.7	21.8	22.4	22.3	18.2	15.7	78.2	1014.9	7.7	235.0	7.0	266.5
123	5	3	15.7	24.6	20.7	23.1	23.9	23.9	19.7	16.1	80.0	1011.7	6.3	281.6	6.9	292.1
124	5	4	14.7	20.2	18.9	20.9	21.5	21.4	17.6	17.2	81.8	1013.7	3.6	327.6	4.7	26.0
125	5	5	13.9	18.4	17.8	19.6	20.2	20.1	16.6	17.4	76.0	1017.5	1.7	327.1	3.7	24.0
126	5	6	14.6	21.0	19.1	21.3	21.9	21.9	18.0	16.1	78.7	1021.6	1.5	96.8	3.5	148.3
127	5	7	14.5	20.9	19.1	21.2	21.9	21.9	18.0	15.9	83.8	1019.3	3.0	2.9	5.2	52.5
128	5	8	12.4	13.6	15.5	16.9	17.3	17.1	14.1	16.1	87.5	1018.7	3.9	123.4	5.0	195.1
129	5	9	9.4	9.3	11.3	12.1	12.3	12.1	10.2	14.7	89.6	1020.0	4.1	217.9	4.8	206.5
130	5	10	14.8	23.9	20.0	22.5	23.4	23.6	19.8	16.8	84.5	1016.3	5.6	184.2	5.9	213.9
131	5	11	12.6	16.3	16.3	18.0	18.6	18.6	15.4	19.9	85.6	1015.2	2.9	172.3	3.7	204.6
132	5	12	12.7	16.6	16.6	18.4	19.1	19.2	16.1	25.8	74.4	1011.4	1.1	228.8	1.6	273.9
133	5	13	13.2	18.2	17.4	19.3	20.0	20.1	16.8	24.1	74.8	1010.2	1.3	216.6	2.5	265.0
134	5	14	13.2	18.8	17.6	19.7	20.5	20.6	17.4	25.8	67.4	1005.0	1.5	259.9	2.3	338.3
135	5	15	6.7	3.0	7.4	7.6	7.6	7.4	6.0	21.3	85.5	1006.6	5.6	330.9	6.2	8.7
136	5	16	9.4	6.6	11.0	11.6	11.8	11.5	9.5	18.1	89.8	1011.7	2.0	357.8	4.7	32.9
137	5	17	2.9	0.6	2.9	2.8	2.7	2.5	2.0	17.7	94.5	1010.0	1.7	258.5	2.7	302.6
138	5	18	2.0	0.8	2.1	2.2	2.1	2.0	1.7	16.9	96.5	1006.8	4.4	245.4	4.9	274.0
139	5	19	10.5	10.5	13.0	14.2	14.6	14.6	12.4	14.6	83.0	1012.3	2.9	289.6	3.4	322.7
140	5	20	5.0	2.7	5.5	5.6	5.5	5.3	4.4	12.4	83.0	1017.1	3.5	337.7	4.4	12.7
141	5	21	12.4	18.9	16.9	19.1	20.0	20.3	17.5	11.4	83.0	1022.7	0.9	324.0	2.8	336.0
142	5	22	11.3	14.6	14.8	16.6	17.2	17.3	14.9	11.5	78.9	1021.7	1.1	318.8	3.1	340.8
143	5	23	13.3	22.7	18.7	21.4	22.4	22.8	19.7	14.3	81.6	1020.9	1.0	298.7	2.8	312.9

144	5	24	12.2	18.0	16.6	18.7	19.6	19.8	16.9	17.7	78.3	1019.6	1.2	317.9	2.5	14.1
145	5	25	11.0	13.6	14.4	16.1	16.7	16.8	14.5	18.0	75.6	1015.2	1.0	58.0	2.2	271.2
146	5	26	4.1	0.6	4.1	4.0	3.8	3.6	2.8	19.2	72.0	1009.4	1.9	171.3	3.6	220.4
147	5	27	4.3	1.2	4.5	4.4	4.4	4.1	3.3	19.7	77.6	1007.8	2.0	179.1	3.2	226.8
148	5	28	3.1	0.8	3.2	3.2	3.1	2.9	2.3	18.4	87.5	1008.6	4.4	177.6	4.9	212.2
149	5	29	3.6	0.5	3.6	3.5	3.4	3.1	2.5	15.4	93.5	1013.7	4.6	342.1	6.0	15.5
150	5	30	4.2	1.8	4.5	4.6	4.5	4.3	3.6	13.7	86.0	1019.5	3.4	91.6	5.3	104.8
151	5	31	5.9	3.7	6.7	7.0	7.0	6.8	5.8	13.4	87.9	1019.8	4.7	106.1	5.4	197.5
152	6	1	12.6	22.2	18.0	20.8	21.9	22.4	19.6	13.5	77.8	1015.8	1.9	5.0	4.5	253.1
153	6	2	12.1	19.9	17.0	19.6	20.5	20.9	18.3	11.6	77.9	1016.8	0.7	86.2	4.6	180.4
154	6	3	12.5	22.1	17.9	20.7	21.8	22.3	19.6	12.8	71.3	1013.6	5.0	199.0	5.8	42.6
155	6	4	3.1	0.7	3.2	3.2	3.1	3.0	2.4	13.3	84.5	1006.4	5.9	196.9	5.0	41.7
156	6	5	6.9	6.1	8.3	9.0	9.1	9.0	7.8	14.6	85.6	1008.0	4.9	296.8	3.1	99.2
157	6	6	10.4	14.4	14.0	15.9	16.6	16.9	14.7	12.4	75.6	1011.4	6.1	276.5	6.4	105.5
158	6	7	5.1	2.4	5.5	5.6	5.6	5.3	4.5	13.8	89.5	1007.5	2.7	299.3	3.6	75.9
159	6	8	12.0	20.2	17.0	19.6	20.7	21.2	18.5	11.9	76.2	1013.0	3.0	283.9	1.7	48.5
160	6	9	12.2	21.8	17.6	20.4	21.5	22.1	19.5	10.7	75.1	1020.8	1.9	199.3	4.3	245.0
161	6	10	12.1	21.5	17.5	20.3	21.4	21.9	19.3	12.6	64.0	1021.4	6.0	236.2	2.9	234.7
162	6	11	4.2	3.3	5.0	5.3	5.3	5.2	4.5	15.9	86.6	1012.8	9.6	209.4	2.8	247.3
163	6	12	2.9	0.7	3.0	2.9	2.8	2.7	2.1	19.9	80.1	1005.3	12.1	270.8	4.6	228.1
164	6	13	11.6	19.8	16.6	19.2	20.2	20.7	18.3	12.2	76.2	1019.6	6.7	331.4	6.7	206.3
165	6	14	12.0	21.4	17.4	20.2	21.3	21.8	19.3	9.4	81.3	1026.6	5.3	292.1	3.6	191.2
166	6	15	9.4	13.8	13.0	14.8	15.5	15.8	13.8	12.3	85.8	1022.2	4.5	231.3	4.9	235.4
167	6	16	5.6	4.3	6.5	6.9	6.9	6.8	5.8	14.5	88.9	1021.6	2.0	23.5	7.8	345.4
168	6	17	8.2	9.6	10.6	11.9	12.3	12.3	10.7	9.5	88.3	1024.2	0.9	7.4	5.9	297.4
169	6	18	11.9	21.3	17.3	20.1	21.2	21.8	19.3	9.8	74.4	1030.0	3.3	314.1	4.4	351.9
170	6	19	11.9	21.5	17.3	20.2	21.2	21.8	19.3	6.6	78.9	1030.5	1.5	281.5	1.7	336.8
171	6	20	11.9	21.5	17.3	20.2	21.2	21.8	19.3	6.8	75.8	1024.4	1.7	224.0	1.9	260.8
172	6	21	11.5	19.5	16.5	19.1	20.1	20.6	18.2	10.9	72.4	1019.5	4.4	215.4	2.7	174.8
173	6	22	4.8	3.8	5.6	6.0	6.0	5.9	5.1	15.3	83.8	1015.0	6.6	225.0	2.7	74.1
174	6	23	5.0	2.2	5.5	5.6	5.6	5.3	4.5	16.7	91.9	1014.0	2.7	192.7	3.8	164.9
175	6	24	3.6	0.6	3.6	3.5	3.4	3.2	2.5	16.9	90.4	1015.9	2.8	263.0	4.6	194.5
176	6	25	5.2	4.7	6.3	6.9	7.0	6.9	6.0	14.5	86.4	1014.6	5.6	296.5	5.5	296.1
177	6	26	7.2	3.9	8.2	8.6	8.7	8.6	7.2	13.0	86.5	1017.0	5.6	305.5	3.6	233.1

178	6	27	10.6	16.0	14.8	17.0	17.7	18.1	16.0	12.3	79.5	1022.9	7.5	319.9	5.4	211.5
179	6	28	10.0	13.7	13.6	15.5	16.2	16.4	14.4	11.1	76.4	1026.6	5.9	324.9	6.2	198.9
180	6	29	10.9	17.1	15.3	17.6	18.4	18.9	16.5	11.2	82.1	1022.2	4.5	343.6	5.5	158.8
181	6	30	4.5	0.8	4.6	4.5	4.4	4.2	3.3	9.7	91.0	1018.7	1.9	1.3	4.1	265.6
182	7	1	5.7	1.8	6.1	6.2	6.1	5.9	4.8	14.3	90.3	1013.6	1.6	254.1	6.6	181.8
183	7	2	3.6	0.4	3.6	3.5	3.4	3.1	2.5	13.4	91.8	1017.6	4.9	200.2	7.6	251.2
184	7	3	10.6	14.6	14.4	16.4	17.1	17.3	15.0	16.9	89.1	1011.7	6.7	225.4	7.7	333.5
185	7	4	2.2	0.1	2.1	2.1	2.0	1.8	1.4	16.2	88.7	1010.3	5.6	213.1	3.7	287.3
186	7	5	12.1	21.6	17.5	20.4	21.5	22.0	19.4	8.8	68.4	1025.7	3.6	207.6	4.9	5.5
187	7	6	12.1	21.1	17.4	20.2	21.2	21.8	19.1	8.7	84.4	1023.1	4.9	33.9	7.6	336.2
188	7	7	9.1	9.3	11.6	12.8	13.2	13.3	11.5	19.0	79.5	1014.6	7.7	321.5	3.5	282.5
189	7	8	11.7	18.6	16.4	18.9	19.8	20.2	17.6	21.3	68.1	1012.7	6.2	282.7	5.0	219.8
190	7	9	8.6	7.4	10.5	11.5	11.8	11.7	10.1	20.7	76.5	1010.6	5.5	224.0	4.0	217.8
191	7	10	1.7	0.2	1.7	1.6	1.6	1.5	1.2	13.3	92.3	1010.1	3.4	200.6	4.7	80.1
192	7	11	12.4	21.4	17.7	20.5	21.5	22.0	19.3	9.7	70.6	1018.0	4.7	175.6	3.6	2.8
193	7	12	12.5	21.9	17.9	20.7	21.8	22.2	19.5	7.8	72.5	1024.7	5.0	328.3	5.3	92.2
194	7	13	12.6	21.9	17.9	20.7	21.8	22.3	19.5	10.1	59.4	1022.5	3.0	274.2	4.8	97.2
195	7	14	12.6	21.5	17.8	20.6	21.7	22.1	19.3	12.1	74.1	1018.3	2.4	350.4	5.7	356.6
196	7	15	12.7	22.0	18.0	20.8	21.9	22.4	19.6	12.4	81.7	1015.4	1.0	325.9	6.2	317.2
197	7	16	10.3	12.5	13.5	15.1	15.7	15.9	13.7	20.2	78.2	1009.3	2.4	126.5	4.9	305.4
198	7	17	11.5	16.7	15.6	17.8	18.6	18.9	16.3	22.0	73.3	1004.6	3.9	148.3	3.7	314.6
199	7	18	9.6	10.9	12.3	13.7	14.1	14.2	12.2	17.8	86.0	1006.2	5.6	347.4	2.3	188.1
200	7	19	7.7	5.7	9.1	9.7	9.9	9.7	8.2	18.0	87.4	1003.9	3.3	310.0	4.2	172.2
201	7	20	12.3	18.6	16.8	19.1	20.0	20.3	17.5	15.9	77.0	1006.2	1.4	282.2	4.5	174.6
202	7	21	9.2	8.1	11.2	12.1	12.4	12.4	10.6	10.8	85.3	1017.4	3.4	29.8	4.6	154.0
203	7	22	13.0	21.0	18.0	20.5	21.5	21.9	18.9	8.5	73.5	1027.1	5.0	57.4	6.3	315.1
204	7	23	7.3	2.7	7.9	8.0	8.0	7.7	6.3	5.6	75.0	1028.7	2.7	46.4	5.0	268.7
205	7	24	13.0	20.1	17.8	20.2	21.2	21.5	18.4	9.2	65.7	1020.1	1.4	88.1	6.3	1.3
206	7	25	6.3	4.9	7.2	7.6	7.7	7.5	6.4	17.3	81.7	1019.4	3.8	178.4	2.9	282.9
207	7	26	3.2	0.6	3.3	3.2	3.1	2.9	2.3	9.3	85.8	1022.1	6.4	209.9	2.5	175.2
208	7	27	10.6	12.2	13.5	14.8	15.3	15.4	13.1	6.2	75.7	1030.2	3.6	181.2	3.8	314.7
209	7	28	14.0	23.4	19.2	21.9	23.0	23.3	19.9	5.5	75.4	1029.4	0.3	101.8	3.4	233.1
210	7	29	14.1	23.6	19.4	22.1	23.1	23.4	19.9	9.9	61.5	1019.9	1.9	238.1	5.9	356.0
211	7	30	10.4	9.9	12.7	13.8	14.1	14.0	11.8	16.1	63.3	1013.3	5.8	228.5	6.8	300.0

212	7	31	12.5	16.3	16.3	18.1	18.8	18.9	15.9	21.6	67.2	1010.6	4.6	206.9	6.1	281.8
213	8	1	11.8	13.4	14.9	16.4	16.8	16.7	13.9	9.9	66.6	1024.4	5.1	297.0	3.2	211.8
214	8	2	6.5	4.2	7.3	7.6	7.5	7.3	6.1	7.3	82.2	1026.0	4.7	328.7	5.8	184.3
215	8	3	11.7	13.0	14.7	16.1	16.5	16.5	13.8	7.3	85.1	1022.7	3.1	263.6	6.7	169.0
216	8	4	4.4	1.0	4.5	4.4	4.3	4.0	3.2	11.3	86.8	1017.6	7.0	250.9	6.8	334.3
217	8	5	12.9	16.2	16.5	18.2	18.7	18.6	15.4	10.2	83.0	1017.0	5.3	202.4	5.4	236.7
218	8	6	13.3	18.5	17.3	19.2	19.9	19.9	16.7	10.6	73.5	1016.1	3.8	334.6	5.9	202.1
219	8	7	6.3	3.6	6.8	6.9	6.8	6.5	5.4	11.8	91.4	1015.7	5.4	277.2	5.6	2.2
220	8	8	8.0	5.5	9.0	9.4	9.4	9.1	7.5	15.5	90.5	1010.9	7.0	316.5	2.4	283.6
221	8	9	14.9	21.8	19.5	21.7	22.4	22.4	18.4	12.5	72.2	1018.5	6.0	320.6	4.1	236.3
222	8	10	14.7	21.1	19.1	21.2	21.8	21.7	17.8	12.3	70.3	1019.3	1.2	48.7	4.0	86.3
223	8	11	14.9	21.7	19.4	21.5	22.1	22.0	18.0	15.1	68.9	1016.1	3.6	154.6	4.6	316.8
224	8	12	13.6	17.7	17.2	18.9	19.4	19.2	15.7	14.2	79.7	1016.8	6.8	229.7	5.8	328.9
225	8	13	14.9	20.8	19.1	21.1	21.6	21.5	17.5	14.8	74.1	1015.0	5.0	287.3	3.6	7.0
226	8	14	16.1	25.0	21.1	23.4	24.1	24.0	19.5	10.7	58.1	1023.3	9.1	236.4	3.4	190.6
227	8	15	16.3	25.3	21.2	23.5	24.2	24.1	19.6	10.3	62.7	1023.0	9.7	20.3	5.0	234.0
228	8	16	9.6	7.1	10.9	11.4	11.4	11.0	8.9	15.3	78.6	1017.8	8.8	2.0	3.8	248.3
229	8	17	8.0	4.1	8.6	8.7	8.5	8.1	6.6	21.7	72.1	1012.4	7.1	313.4	3.6	259.8
230	8	18	6.8	2.9	7.3	7.4	7.3	6.9	5.5	23.8	64.1	1005.3	7.7	282.4	3.2	224.3
231	8	19	2.0	0.2	1.9	1.9	1.8	1.7	1.3	18.5	82.9	1005.8	6.3	290.8	3.0	197.7
232	8	20	10.9	7.1	12.2	12.7	12.7	12.2	9.8	13.6	67.3	1016.8	9.8	319.2	4.8	198.7
233	8	21	16.3	22.7	20.6	22.5	22.9	22.5	17.9	12.1	65.4	1021.5	3.5	279.2	4.4	193.1
234	8	22	17.4	26.6	22.3	24.4	25.0	24.6	19.6	12.9	67.3	1019.3	5.3	218.5	4.4	211.6
235	8	23	15.2	18.5	18.7	20.1	20.4	20.0	15.9	18.9	78.0	1011.2	2.5	255.0	7.3	207.9
236	8	24	15.8	20.1	19.5	21.0	21.4	21.0	16.7	23.7	73.0	1007.1	3.9	246.9	6.1	112.0
237	8	25	16.3	21.3	20.2	21.8	22.2	21.7	17.1	26.1	64.9	1008.1	3.4	240.2	9.0	54.3
238	8	26	17.6	25.3	22.1	24.0	24.4	23.9	18.7	26.2	60.0	1012.6	3.5	143.9	7.8	39.1
239	8	27	18.2	27.1	22.8	24.8	25.3	24.7	19.3	24.1	64.1	1011.1	2.6	168.8	3.1	359.0
240	8	28	5.8	2.0	6.0	6.0	5.9	5.5	4.4	21.3	73.8	1001.2	4.1	171.9	4.2	265.3
241	8	29	12.1	9.4	13.6	14.1	14.1	13.6	10.7	15.8	80.3	1006.7	7.0	54.5	4.4	249.6
242	8	30	17.7	23.2	21.7	23.2	23.5	22.8	17.5	10.8	64.8	1017.9	6.9	37.0	4.4	231.7
243	8	31	17.6	22.7	21.4	22.9	23.2	22.4	17.2	8.6	65.9	1023.3	4.8	224.9	4.3	338.6
244	9	1	1.9	0.6	1.9	1.9	1.8	1.7	1.3	14.3	95.3	1013.5	5.3	342.2	3.3	266.6
245	9	2	2.3	0.3	2.3	2.2	2.1	1.9	1.5	14.7	96.9	1018.2	6.6	275.1	3.2	271.8

246	9	3	4.3	1.0	4.3	4.2	4.0	3.7	2.9	12.1	92.5	1015.2	4.8	109.2	7.9	282.8
247	9	4	6.0	0.9	6.0	5.8	5.5	5.1	4.0	10.0	91.4	1015.3	5.5	75.8	7.3	237.7
248	9	5	19.8	28.3	24.0	25.6	25.8	24.8	18.6	13.5	75.9	1022.8	1.1	50.6	6.4	285.0
249	9	6	19.9	28.3	24.1	25.6	25.8	24.8	18.4	14.5	73.7	1024.4	1.9	270.5	7.3	302.7
250	9	7	20.1	28.4	24.2	25.7	25.8	24.8	18.3	15.4	68.5	1024.3	2.7	239.3	5.8	203.7
251	9	8	20.2	28.4	24.3	25.7	25.8	24.7	18.2	15.3	71.9	1021.3	3.2	237.1	4.4	52.3
252	9	9	19.6	25.8	23.2	24.4	24.5	23.4	17.2	18.9	73.9	1016.7	5.6	235.5	5.8	313.2
253	9	10	14.0	11.1	15.6	16.0	15.8	15.0	11.2	19.0	77.3	1012.2	7.0	225.6	6.4	309.2
254	9	11	17.5	19.5	20.2	21.0	20.9	19.8	14.5	18.7	78.0	1013.5	5.5	323.9	4.0	268.7
255	9	12	12.5	11.6	13.8	14.1	14.0	13.2	9.8	13.1	79.5	1013.9	6.0	284.3	4.0	312.9
256	9	13	3.2	0.1	3.1	3.0	2.9	2.6	2.0	13.6	97.8	1008.2	5.7	326.1	4.8	257.2
257	9	14	16.9	17.2	19.2	19.8	19.6	18.4	13.4	14.0	78.1	1012.3	4.4	43.0	4.2	241.3
258	9	15	17.7	22.4	20.5	21.3	21.1	19.9	14.2	13.6	72.9	1017.5	1.7	63.2	5.6	233.4
259	9	16	21.4	28.0	24.9	25.9	25.7	24.2	17.0	15.1	69.5	1016.1	1.9	268.5	5.7	264.8
260	9	17	21.6	28.2	25.1	26.0	25.8	24.2	16.9	14.3	64.0	1021.3	5.2	319.2	6.6	298.6
261	9	18	21.9	28.5	25.3	26.2	25.9	24.2	16.9	11.8	64.8	1024.5	5.7	253.7	6.8	305.7
262	9	19	22.1	29.4	25.5	26.3	26.1	24.3	16.8	14.6	68.6	1018.4	4.1	233.1	9.4	63.7
263	9	20	20.0	22.2	22.6	23.2	22.9	21.3	14.9	18.9	75.7	1010.3	3.6	227.3	3.1	180.4
264	9	21	18.6	17.6	20.7	21.1	20.7	19.3	13.6	20.4	81.0	1007.0	3.4	248.3	4.2	11.7
265	9	22	21.2	24.1	24.0	24.5	24.1	22.4	15.4	20.1	79.7	1008.9	3.9	300.3	3.6	3.0
266	9	23	10.3	5.0	10.6	10.4	10.1	9.4	7.0	17.5	84.9	1014.5	5.7	305.1	5.3	235.4
267	9	24	16.6	14.1	17.8	17.8	17.4	16.1	11.6	16.5	76.5	1016.4	3.9	281.3	5.7	261.6
268	9	25	19.2	18.3	21.0	21.2	20.7	19.2	13.3	18.0	75.3	1014.3	2.9	265.0	7.5	359.4
269	9	26	21.5	25.9	23.9	24.2	23.7	21.8	14.7	18.2	73.4	1013.8	5.3	253.7	4.6	333.1
270	9	27	19.2	19.0	20.8	20.9	20.4	18.8	12.9	18.1	77.0	1009.4	7.5	247.0	7.2	254.0
271	9	28	22.9	27.4	25.6	25.9	25.2	23.1	15.1	18.4	74.6	1006.6	4.8	122.9	6.6	253.7
272	9	29	12.0	4.2	12.1	11.7	11.3	10.4	7.8	16.3	69.7	1009.0	5.2	66.8	5.3	248.7
273	9	30	24.1	31.2	26.7	26.9	26.2	23.8	15.2	16.2	61.1	1013.8	3.7	34.6	4.2	248.4
274	10	1	12.8	3.9	12.9	12.5	12.1	11.1	8.3	18.2	83.1	1010.5	5.5	281.1	6.0	300.5
275	10	2	21.3	22.4	23.2	23.2	22.5	20.4	13.2	19.7	71.0	1015.0	3.2	330.2	6.4	272.5
276	10	3	24.6	31.7	27.0	27.0	26.2	23.6	14.7	16.5	59.8	1020.4	5.8	300.6	8.8	250.6
277	10	4	4.2	0.2	4.1	3.9	3.7	3.4	2.6	13.5	88.6	1018.5	5.5	242.3	10.5	236.1
278	10	5	17.7	13.7	18.5	18.1	17.5	15.9	10.8	15.1	87.8	1015.8	2.5	302.8	7.9	232.1
279	10	6	13.5	8.6	13.6	13.1	12.5	11.4	8.1	20.0	80.3	1013.2	4.7	242.1	2.8	134.3

280	10	7	1.4	0.1	1.4	1.3	1.3	1.2	0.9	17.8	91.2	1008.2	7.4	278.2	2.3	196.4
281	10	8	12.0	5.4	11.9	11.4	10.9	9.9	7.2	17.9	87.0	1007.5	3.0	338.2	4.6	225.3
282	10	9	22.1	21.2	23.5	23.1	22.2	20.0	12.5	19.7	71.7	1009.0	3.6	21.6	6.0	223.7
283	10	10	20.4	17.7	21.4	21.0	20.1	18.1	11.6	20.0	74.4	1010.5	2.0	28.6	7.8	338.8
284	10	11	23.3	25.9	24.7	24.2	23.1	20.5	12.5	21.1	71.0	1013.6	4.2	276.3	4.6	301.9
285	10	12	12.3	6.8	12.3	11.8	11.3	10.1	7.1	19.2	81.8	1007.6	8.0	236.6	3.7	295.8
286	10	13	12.0	2.8	11.8	11.3	10.8	9.8	7.4	19.1	85.4	1006.7	5.4	350.0	4.1	273.3
287	10	14	22.8	22.8	23.9	23.2	22.2	19.6	12.0	20.5	74.2	1009.6	3.5	338.9	4.6	265.3
288	10	15	26.3	31.9	27.7	27.0	25.7	22.5	12.8	21.3	67.0	1010.8	2.3	325.9	6.6	234.8
289	10	16	26.6	32.7	28.0	27.2	25.8	22.5	12.6	24.1	57.9	1010.8	1.3	355.5	6.3	251.2
290	10	17	23.9	24.4	25.0	24.2	23.0	20.2	11.9	22.4	60.2	1016.4	5.9	296.6	7.1	267.6
291	10	18	26.8	32.4	28.0	27.1	25.7	22.2	12.3	21.5	59.7	1018.2	4.8	253.7	4.8	263.7
292	10	19	25.0	25.7	26.1	25.3	24.0	21.0	12.0	21.0	66.6	1019.8	2.9	298.2	5.6	324.2
293	10	20	27.1	32.9	28.2	27.2	25.6	22.1	12.0	22.3	66.5	1019.3	2.8	271.1	4.0	287.1
294	10	21	27.3	33.0	28.3	27.2	25.6	22.0	11.8	23.7	65.6	1014.0	4.5	241.6	4.2	229.9
295	10	22	24.8	25.4	25.7	24.7	23.3	20.2	11.3	26.0	69.2	1011.7	1.9	227.3	5.3	216.8
296	10	23	3.6	0.1	3.5	3.4	3.2	2.9	2.2	19.9	97.1	1015.7	3.7	305.4	3.5	252.3
297	10	24	3.9	0.2	3.8	3.6	3.5	3.2	2.4	18.5	96.7	1012.0	3.5	277.8	3.9	266.3
298	10	25	6.1	0.4	6.0	5.7	5.4	4.9	3.8	18.7	89.8	1008.5	5.6	323.2	3.9	265.0
299	10	26	21.2	17.4	21.2	20.1	18.8	16.4	10.2	17.6	74.5	1014.0	4.0	1.9	5.1	227.3
300	10	27	28.1	33.4	28.6	27.2	25.3	21.4	10.9	17.2	64.8	1012.6	2.8	42.4	6.3	199.4
301	10	28	28.1	33.1	28.6	27.1	25.2	21.3	10.7	21.0	62.1	1010.2	1.5	118.8	5.3	194.8
302	10	29	7.8	2.5	7.4	7.0	6.6	5.9	4.5	19.8	70.6	1008.6	4.0	279.3	6.3	196.8
303	10	30	28.5	33.6	28.8	27.1	25.2	21.1	10.4	18.5	62.1	1017.5	3.9	326.1	3.7	272.5
304	10	31	28.6	34.2	28.8	27.1	25.1	21.0	10.3	17.0	63.3	1021.5	5.1	275.1	3.8	252.1
305	11	1	28.7	33.9	28.9	27.1	25.1	20.9	10.2	14.2	55.9	1023.5	2.0	301.9	7.3	304.1
306	11	2	28.9	34.0	28.9	27.1	25.0	20.8	10.0	13.5	50.0	1025.6	10.3	258.0	7.6	266.2
307	11	3	28.9	33.8	28.9	27.1	25.0	20.8	9.9	15.9	51.8	1022.3	5.6	220.4	5.8	205.8
308	11	4	24.3	21.0	24.2	22.8	21.2	18.1	10.0	17.7	60.5	1018.2	4.3	357.7	6.0	11.0
309	11	5	27.8	30.9	27.5	25.6	23.6	19.6	9.6	20.5	60.8	1015.9	4.7	269.3	5.0	265.6
310	11	6	28.2	31.5	27.9	26.0	23.9	19.7	9.5	21.4	60.4	1013.4	4.0	260.9	4.3	267.8
311	11	7	28.0	30.9	27.6	25.6	23.5	19.5	9.4	23.2	57.2	1009.7	2.9	287.4	3.0	289.0
312	11	8	26.8	27.5	26.8	25.0	23.1	19.3	9.2	24.4	55.7	1008.1	1.5	313.7	2.2	296.8
313	11	9	20.9	16.5	20.4	19.1	17.7	15.1	8.7	23.2	71.9	1010.6	1.4	261.7	3.1	181.7

314	11	10	29.8	34.6	29.3	27.0	24.7	20.2	9.1	25.1	62.7	1011.7	3.7	202.3	4.2	210.8
315	11	11	29.4	32.0	29.0	26.9	24.6	20.2	9.1	28.1	56.0	1002.7	4.5	246.8	3.9	252.7
316	11	12	11.8	5.5	11.3	10.5	9.8	8.6	6.1	21.7	78.2	1003.0	5.3	317.4	5.0	322.5
317	11	13	30.1	35.2	29.4	27.0	24.5	19.9	8.8	17.0	63.1	1016.5	5.7	312.5	5.6	317.8
318	11	14	30.1	34.5	29.4	27.0	24.5	19.9	8.7	18.0	66.3	1015.1	1.1	338.6	2.2	201.9
319	11	15	29.2	32.6	28.3	26.0	23.6	19.2	8.6	22.8	58.6	1008.8	1.8	123.6	2.6	141.1
320	11	16	7.9	7.5	7.2	6.5	5.9	4.9	3.1	20.3	83.9	1007.2	1.0	121.5	2.0	191.1
321	11	17	17.8	8.0	17.6	16.7	15.7	13.8	8.7	20.4	87.3	1001.3	4.1	255.8	4.1	254.0
322	11	18	11.4	1.0	11.0	10.5	9.9	9.0	6.9	16.8	86.3	1001.8	6.8	202.1	5.8	236.0
323	11	19	30.7	35.3	29.6	26.9	24.2	19.5	8.2	20.5	66.4	1004.2	4.0	247.9	4.9	237.2
324	11	20	30.8	35.9	29.6	26.8	24.2	19.4	8.1	18.4	57.8	1016.6	5.6	314.0	4.9	204.1
325	11	21	30.9	36.0	29.6	26.8	24.1	19.3	8.0	20.5	57.1	1014.9	8.1	298.9	3.2	307.0
326	11	22	30.9	36.1	29.6	26.8	24.1	19.2	7.9	26.1	55.0	1009.7	3.8	5.3	5.3	20.3
327	11	23	25.9	21.0	25.3	23.3	21.4	17.7	8.7	20.7	68.0	1012.4	3.6	275.0	3.4	221.0
328	11	24	11.0	1.1	10.7	10.2	9.7	8.8	6.7	19.7	85.0	1009.0	4.0	134.5	5.4	192.7
329	11	25	19.8	12.6	19.0	17.6	16.4	14.0	8.4	20.3	83.9	1008.1	6.4	297.0	5.3	309.1
330	11	26	14.0	2.8	13.5	12.7	12.1	10.9	8.1	23.7	80.7	1006.2	5.2	304.4	5.1	301.3
331	11	27	30.8	35.5	29.1	26.2	23.4	18.6	7.6	24.9	66.9	1007.0	3.5	306.2	4.0	298.6
332	11	28	14.7	5.1	14.1	13.3	12.5	11.1	7.7	21.2	70.3	1010.9	6.1	238.5	5.3	253.9
333	11	29	31.5	36.8	29.7	26.7	23.8	18.8	7.4	23.3	67.6	1010.8	9.1	248.0	7.8	239.8
334	11	30	15.0	12.0	14.1	12.8	11.7	9.8	5.6	22.6	73.8	1007.2	5.2	272.3	4.7	126.8
335	12	1	31.5	35.9	29.8	26.7	23.8	18.7	7.3	26.1	57.4	1009.8	6.4	246.2	5.1	340.8
336	12	2	13.6	7.4	13.1	12.2	11.3	9.7	5.6	24.0	71.7	1008.3	4.2	302.4	2.6	253.7
337	12	3	27.5	26.0	26.1	23.7	21.4	17.3	8.2	24.5	72.2	1011.0	3.2	338.3	4.1	255.3
338	12	4	31.8	37.0	29.8	26.6	23.7	18.5	7.2	23.6	60.6	1012.6	4.5	301.3	4.2	246.5
339	12	5	9.9	2.1	9.5	8.9	8.4	7.6	5.7	21.0	76.8	1012.8	4.7	282.5	3.5	220.9
340	12	6	29.9	32.1	28.0	25.0	22.4	17.6	7.4	23.6	72.2	1014.8	4.2	278.6	6.1	202.6
341	12	7	26.2	21.4	25.2	23.0	20.9	17.1	8.1	22.7	60.4	1011.0	4.4	247.7	5.8	27.7
342	12	8	32.0	37.2	29.9	26.6	23.6	18.3	7.0	23.1	56.4	1009.0	3.5	265.0	2.6	5.5
343	12	9	31.3	34.2	29.6	26.5	23.7	18.5	7.1	24.9	54.8	1010.2	3.0	318.7	2.2	70.6
344	12	10	32.0	36.9	29.9	26.5	23.6	18.3	6.9	26.1	47.6	1012.2	2.7	287.3	5.7	191.0
345	12	11	31.9	36.7	29.7	26.3	23.4	18.2	6.9	26.8	50.2	1012.6	3.8	246.9	3.8	19.9
346	12	12	27.3	22.4	26.1	23.7	21.5	17.4	8.1	23.9	52.1	1012.1	2.7	265.3	4.5	256.9
347	12	13	19.3	14.8	18.0	16.3	14.8	12.2	6.9	27.0	61.9	1008.5	3.6	240.3	3.4	343.1

348	12	14	9.5	7.6	8.5	7.6	6.9	6.0	4.1	24.2	84.5	1006.9	2.9	246.2	4.8	247.6
349	12	15	32.2	37.3	29.9	26.5	23.5	18.1	6.8	25.3	72.6	1010.9	2.1	312.3	3.6	291.2
350	12	16	30.9	32.2	29.1	26.0	23.2	18.2	7.2	28.6	67.3	1008.1	4.4	200.2	4.8	273.2
351	12	17	5.9	0.7	5.7	5.4	5.1	4.7	3.6	23.9	81.1	1008.1	7.9	292.5	4.9	342.4
352	12	18	1.6	0.3	1.6	1.5	1.4	1.3	1.0	20.4	93.5	1007.8	3.2	287.4	7.0	299.8
353	12	19	16.6	8.9	16.1	14.9	13.9	11.8	6.7	21.9	88.9	1007.0	4.1	263.8	7.0	247.9
354	12	20	12.9	3.6	12.4	11.6	11.0	9.8	7.0	22.3	80.4	1004.9	5.8	7.8	5.6	201.5
355	12	21	32.0	35.6	29.9	26.6	23.6	18.2	6.8	21.9	67.5	1010.9	2.1	275.7	5.6	313.7
356	12	22	32.1	36.2	30.0	26.6	23.6	18.1	6.8	24.1	68.8	1011.2	1.9	270.5	5.9	261.6
357	12	23	26.5	23.4	24.9	22.4	20.2	16.3	7.8	27.5	74.8	1006.0	2.8	113.3	4.6	232.2
358	12	24	14.1	6.6	13.5	12.5	11.6	10.0	6.2	23.3	85.9	1004.9	3.7	180.7	6.8	194.1
359	12	25	23.5	18.3	22.3	20.3	18.5	15.2	7.9	23.0	81.0	1006.9	4.6	317.4	8.2	153.1
360	12	26	32.3	37.4	30.0	26.5	23.5	18.1	6.7	23.3	66.8	1012.2	2.3	324.1	4.7	348.0
361	12	27	32.3	37.4	30.0	26.5	23.5	18.1	6.7	24.8	61.5	1011.8	1.9	149.3	6.9	301.5
362	12	28	32.1	36.5	30.0	26.5	23.6	18.2	6.8	27.4	58.7	1014.0	3.2	257.3	4.0	285.5
363	12	29	32.2	37.2	30.0	26.5	23.6	18.1	6.8	28.0	58.6	1012.8	3.4	161.7	2.6	236.8
364	12	30	18.9	12.3	17.7	16.0	14.7	12.4	7.8	27.2	72.4	1013.8	3.6	222.8	4.1	209.4
365	12	31	32.2	37.2	30.0	26.5	23.6	18.2	6.8	28.5	65.3	1013.7	2.6	225.0	6.3	190.2