

Observations at Hourly Intervals

1	2	3	4	5	6	7	8	9	10		1	2	3	4	5	6	7	8	9	10		1	2	3	4	5	6	7	8	9	10	
01/01											01/11											01/22										
01	23	16	74	32	12	30.09	0.00	0	34		17	26	20	77	14	10	29.66	0.00	12	31		09	21	12	67	00	00	29.92	0.00	28	24	
02	22	15	73	32	11	30.11	0.00	0	33		18	26	20	77	14	09	29.67	0.00	0	31		10	23	15	70	25	01	29.93	0.00	56	24	
03	20	13	74	32	15	30.12	0.00	0	33		19	26	20	78	14	08	29.66	0.00	0	32		11	26	18	73	32	05	29.95	0.00	108	25	
04	19	12	75	32	12	30.13	0.00	0	33		20	25	21	84	14	07	29.64	0.03	0	35		12	27	20	74	29	02	29.93	0.00	129	26	
05	19	12	74	32	10	30.13	0.00	0	32		21	25	22	87	14	05	29.63	0.00	0	35		13	27	21	75	27	06	29.92	0.00	150	26	
06	19	12	75	29	09	30.14	0.00	0	32		22	26	23	88	14	02	29.62	0.00	0	35		14	29	22	74	32	09	29.91	0.00	130	27	
07	19	13	76	32	11	30.15	0.00	0	32		23	26	24	90	14	03	29.60	0.00	0	34		15	29	21	73	32	10	29.95	0.00	102	28	
08	17	10	74	32	11	30.17	0.00	0	32		24	27	25	91	14	01	29.58	0.00	0	34		16	28	20	72	32	11	29.97	0.00	72	28	
09	17	10	73	32	13	30.20	0.00	18	31		01/12											17	26	17	68	32	12	30.01	0.00	27	28	
10	17	10	73	32	10	30.22	0.00	56	31		01	27	25	91	14	01	29.56	0.04	0	34		18	22	13	68	34	14	30.05	0.00	0	28	
11	18	11	72	29	10	30.22	0.00	92	31		02	28	26	92	14	02	29.56	0.01	0	34		19	18	9	67	36	11	30.10	0.00	0	28	
12	18	11	72	32	11	30.21	0.00	113	31		03	29	27	92	29	06	29.57	0.00	0	34		20	14	5	65	34	14	30.15	0.00	0	27	
13	18	11	73	32	11	30.20	0.00	133	31		04	27	25	91	32	08	29.58	0.00	0	33		21	12	3	67	34	10	30.18	0.00	0	26	
14	19	11	72	32	11	30.20	0.00	112	31		05	27	25	91	32	05	29.59	0.00	0	33		22	10	1	67	36	08	30.21	0.00	0	25	
15	19	11	72	32	11	30.21	0.00	87	31		06	25	23	90	32	11	29.62	0.00	0	33		23	8	-1	66	36	16	30.23	0.00	0	25	
16	19	12	72	29	05	30.22	0.00	39	31		07	23	21	90	32	05	29.65	0.01	0	33		24	7	-2	67	36	13	30.26	0.00	0	25	
17	20	13	75	32	09	30.22	0.00	6	31		08	21	18	87	32	11	29.69	0.00	0	32		01/23										
18	19	12	72	32	09	30.23	0.00	0	31		09	20	16	85	32	11	29.72	0.00	13	31		01	5	-3	70	34	08	30.27	0.00	0	24	
19	19	12	74	29	08	30.24	0.00	0	31		10	19	15	82	29	14	29.77	0.00	120	31		02	4	-3	72	32	09	30.30	0.00	0	24	
20	20	12	73	32	04	30.24	0.00	0	31		11	19	14	80	32	14	29.79	0.00	116	31		03	2	-4	74	32	11	30.33	0.00	0	23	
21	19	12	74	32	04	30.25	0.00	0	31		12	19	14	81	32	13	29.80	0.00	107	31		04	1	-5	74	32	10	30.34	0.00	0	22	
22	18	11	76	29	02	30.25	0.00	0	30		13	18	13	79	29	16	29.82	0.00	117	31		05	0	-6	75	32	06	30.37	0.00	0	22	
23	16	11	79	32	05	30.26	0.00	0	30		14	15	10	78	34	22	29.86	0.00	134	30		06	-1	-7	76	32	08	30.39	0.00	0	21	
24	15	10	80	32	02	30.25	0.00	0	30		15	14	7	76	32	14	29.89	0.00	102	29		07	-3	-8	76	32	05	30.42	0.00	0	21	
01/02											16	12	6	77	32	11	29.93	0.00	57	29		08	-4	-9	77	32	04	30.43	0.00	3	18	
01	15	10	81	00	00	30.25	0.00	0	30		17	10	4	75	32	12	29.97	0.00	18	28		09	-3	-9	76	32	05	30.45	0.00	25	18	
02	14	10	83	29	01	30.26	0.00	0	29		18	8	1	73	32	12	30.00	0.00	0	27		10	0	-7	72	32	04	30.47	0.00	284	18	
03	14	10	82	32	01	30.28	0.00	0	29		19	5	-2	74	32	15	30.04	0.00	0	26		11	3	-5	68	32	08	30.49	0.00	411	19	
04	14	9	80	29	06	30.28	0.00	0	29		20	2	-5	73	32	15	30.07	0.00	0	25		12	6	-4	63	32	12	30.47	0.00	488	21	
05	14	9	79	32	04	30.29	0.00	0	29		21	0	-6	74	32	12	30.09	0.00	0	25		13	8	-5	55	32	13	30.46	0.00	508	23	
06	14	9	80	32	04	30.29	0.00	0	28		22	-1	-7	73	32	13	30.11	0.00	0	24		14	9	-5	51	32	09	30.43	0.00	468	26	
07	14	9	81	29	06	30.31	0.00	0	28		23	-1	-8	73	29	10	30.12	0.00	0	23		15	10	-8	43	32	09	30.42	0.00	376	29	
08	14	9	81	32	09	30.32	0.00	0	27		24	-2	-8	74	32	09	30.14	0.00	0	23		16	10	-9	41	32	09	30.43	0.00	236	32	

	1	2	3	4	5	6	7	8	9	10		1	2	3	4	5	6	7	8	9	10		1	2	3	4	5	6	7	8	9	10	
01/02												01/13												01/23									
09	14	9	80	32	05	30.33	0.00	42	28			01	-2	-9	74	32	09	30.15	0.00	0	22			17	10	-8	44	32	07	30.42	0.00	48	29
10	16	10	77	34	06	30.35	0.00	115	28			02	-3	-9	74	29	07	30.17	0.00	0	21			18	7	-8	49	00	00	30.41	0.00	2	27
11	17	11	75	32	07	30.34	0.00	240	29			03	-3	-9	75	29	06	30.18	0.00	0	21			19	3	-9	57	00	00	30.40	0.00	0	23
12	19	12	74	32	08	30.33	0.00	387	30			04	-3	-9	75	32	10	30.20	0.00	0	21			20	2	-8	61	32	02	30.39	0.00	0	24
13	19	13	75	32	11	30.32	0.00	290	31			05	-3	-8	76	32	08	30.21	0.00	0	21			21	2	-8	61	00	00	30.37	0.00	0	23
14	20	13	74	32	10	30.31	0.00	248	31			06	-2	-7	77	32	04	30.22	0.00	0	21			22	0	-9	66	00	00	30.35	0.00	0	22
15	20	13	73	32	10	30.32	0.00	122	31			07	-3	-8	76	00	00	30.23	0.00	0	20			23	0	-9	65	00	00	30.34	0.00	0	22
16	19	11	71	32	11	30.34	0.00	61	31			08	-4	-9	77	27	04	30.24	0.00	1	20			24	-1	-8	69	00	00	30.30	0.00	0	21
17	17	9	71	29	11	30.36	0.00	21	30			09	-3	-9	77	32	02	30.25	0.00	20	20			01/24									
18	16	8	73	32	10	30.37	0.00	0	30			10	0	-7	72	32	05	30.26	0.00	224	20			01	-1	-9	68	00	00	30.30	0.00	0	21
19	15	7	72	32	09	30.38	0.00	0	29			11	2	-6	69	32	09	30.27	0.00	292	21			02	-2	-9	72	00	00	30.28	0.00	0	20
20	15	7	72	32	13	30.39	0.00	0	29			12	4	-5	67	32	08	30.24	0.00	335	22			03	-1	-8	70	00	00	30.26	0.00	0	20
21	14	7	73	32	10	30.40	0.00	0	29			13	4	-4	68	32	09	30.21	0.00	359	24			04	-1	-8	71	00	00	30.22	0.00	0	20
22	12	6	74	32	10	30.42	0.00	0	28			14	5	-3	70	27	08	30.21	0.00	388	25			05	1	-7	70	16	03	30.18	0.00	0	20
23	11	5	75	29	09	30.44	0.00	0	28			15	6	-1	73	29	10	30.22	0.00	245	25			06	3	-6	67	18	04	30.16	0.00	0	20
24	10	4	76	32	07	30.45	0.00	0	28			16	5	-2	72	32	07	30.23	0.00	95	24			07	4	-3	70	16	05	30.13	0.00	0	20
01/03												17	4	-3	73	32	07	30.22	0.00	23	24			08	7	1	73	16	05	30.09	0.00	1	20
01	10	4	77	32	08	30.46	0.00	0	27			18	2	-4	74	32	06	30.23	0.00	0	23			09	11	4	72	16	09	30.06	0.00	44	20
02	9	4	78	32	04	30.44	0.00	0	27			19	1	-5	74	32	07	30.24	0.00	0	22			10	15	7	69	16	11	30.04	0.00	106	21
03	9	3	79	32	03	30.46	0.00	0	27			20	2	-4	75	32	06	30.25	0.00	0	22			11	19	9	66	16	16	29.99	0.00	192	22
04	9	4	80	29	07	30.46	0.00	0	26			21	1	-5	74	32	10	30.27	0.00	0	22			12	21	10	64	16	18	29.96	0.00	248	23
05	10	5	78	32	13	30.45	0.00	0	26			22	-1	-7	74	34	10	30.29	0.00	0	21			13	23	12	62	18	15	29.93	0.00	204	24
06	9	3	76	32	10	30.46	0.00	0	26			23	-2	-9	73	32	03	30.30	0.00	0	21			14	24	13	62	18	11	29.90	0.00	258	25
07	8	2	78	32	10	30.47	0.00	0	26			24	-4	-10	73	29	03	30.32	0.00	0	21			15	25	15	66	20	07	29.91	0.00	107	25
08	7	2	79	32	13	30.47	0.00	1	25			01/14												16	24	15	69	18	05	29.91	0.00	49	26
09	7	1	78	32	11	30.49	0.00	21	25			01	-5	-12	74	32	07	30.35	0.00	0	20			17	24	15	69	20	03	29.92	0.00	13	26
10	9	2	74	32	14	30.51	0.00	227	25			02	-7	-13	73	32	07	30.35	0.00	0	20			18	24	15	68	20	03	29.93	0.00	0	26
11	10	3	73	32	11	30.52	0.00	367	25			03	-8	-14	73	32	07	30.38	0.00	0	19			19	25	15	67	18	07	29.94	0.00	0	26
12	11	3	70	32	12	30.51	0.00	443	26			04	-9	-15	74	32	07	30.40	0.00	0	18			20	25	15	68	18	05	29.94	0.00	0	27
13	13	4	67	32	12	30.50	0.00	441	29			05	-9	-15	74	32	10	30.42	0.00	0	18			21	25	17	70	18	06	29.94	0.00	0	27
14	14	3	60	32	13	30.49	0.00	390	32			06	-10	-16	74	29	08	30.45	0.00	0	18			22	26	19	76	20	08	29.95	0.00	0	27
15	15	2	57	32	12	30.50	0.00	186	34			07	-10	-16	75	32	04	30.47	0.00	0	18			23	28	22	78	27	06	29.95	0.00	0	27
16	14	2	56	32	11	30.51	0.00	108	35			08	-10	-16	75	36	02	30.51	0.00	2	14			24	29	23	76	32	06	29.95	0.00	0	28

1	2	3	4	5	6	7	8	9	10		1	2	3	4	5	6	7	8	9	10		1	2	3	4	5	6	7	8	9	10	
01/03											01/14											01/25										
17	14	2	58	32	12	30.52	0.00	12	33		09	-9	-15	75	29	09	30.54	0.00	22	18		01	28	22	77	23	03	29.94	0.00	0	28	
18	12	1	61	32	07	30.52	0.00	0	31		10	-6	-13	71	29	11	30.57	0.00	233	19		02	28	22	77	20	04	29.94	0.00	0	28	
19	11	1	63	32	04	30.52	0.00	0	30		11	-4	-11	69	32	05	30.57	0.00	366	19		03	26	20	78	20	07	29.94	0.00	0	28	
20	10	1	65	32	12	30.53	0.00	0	29		12	-1	-9	67	32	05	30.55	0.00	449	21		04	25	19	79	20	04	29.94	0.00	0	28	
21	9	0	67	32	09	30.54	0.00	0	28		13	2	-7	66	32	05	30.55	0.00	468	23		05	24	18	79	25	10	29.94	0.00	0	28	
22	7	-1	69	34	11	30.54	0.00	0	27		14	4	-5	65	02	08	30.54	0.00	425	26		06	23	18	80	29	05	29.95	0.00	0	27	
23	6	-2	70	32	10	30.56	0.00	0	27		15	4	-5	65	32	05	30.55	0.00	277	29		07	24	18	78	34	06	29.95	0.00	0	27	
24	4	-4	68	34	08	30.55	0.00	0	26		16	5	-4	65	32	02	30.54	0.00	171	30		08	23	18	78	20	06	29.97	0.00	2	27	
01/04											17	4	-5	67	00	00	30.56	0.00	30	26		09	25	18	77	32	11	29.99	0.00	53	27	
01	3	-5	69	34	11	30.55	0.00	0	26		18	2	-6	70	00	00	30.58	0.00	0	27		10	26	17	70	29	15	30.01	0.00	132	28	
02	2	-6	69	34	08	30.56	0.00	0	25		19	0	-6	73	00	00	30.60	0.00	0	26		11	25	15	64	32	20	30.05	0.00	206	28	
03	1	-6	70	34	04	30.57	0.00	0	25		20	-1	-7	76	00	00	30.60	0.00	0	25		12	24	13	61	32	23	30.07	0.00	370	28	
04	0	-7	72	34	04	30.57	0.00	0	24		21	-2	-7	78	00	00	30.60	0.00	0	24		13	24	14	63	32	20	30.09	0.00	497	30	
05	0	-7	73	32	07	30.58	0.00	0	24		22	-3	-8	79	00	00	30.58	0.00	0	23		14	23	12	64	32	26	30.12	0.00	441	31	
06	-1	-7	74	32	06	30.58	0.00	0	23		23	-3	-8	81	00	00	30.56	0.00	0	22		15	22	11	64	29	18	30.15	0.00	352	33	
07	-1	-7	75	36	06	30.56	0.00	0	23		24	-4	-8	81	00	00	30.56	0.00	0	22		16	21	11	66	32	16	30.18	0.00	206	31	
08	-2	-7	76	32	08	30.56	0.00	1	23		01/15											17	20	11	68	32	14	30.21	0.00	49	31	
09	-1	-7	75	34	05	30.58	0.00	19	23		01	-3	-7	83	00	00	30.53	0.00	0	21		18	18	9	69	32	14	30.24	0.00	2	29	
10	1	-6	70	32	08	30.59	0.00	234	24		02	-3	-7	82	16	04	30.53	0.00	0	21		19	16	9	71	32	13	30.27	0.00	0	28	
11	4	-5	66	32	08	30.58	0.00	373	24		03	-2	-6	81	00	00	30.53	0.00	0	20		20	15	7	70	32	16	30.31	0.00	0	27	
12	6	-5	61	34	06	30.54	0.00	388	26		04	-3	-7	81	00	00	30.50	0.00	0	20		21	13	5	71	32	11	30.33	0.00	0	26	
13	9	-3	58	32	09	30.53	0.00	492	28		05	-3	-7	81	18	03	30.45	0.00	0	20		22	12	5	74	32	07	30.35	0.00	0	25	
14	9	-5	52	32	09	30.50	0.00	434	31		06	-2	-7	81	00	00	30.44	0.00	0	19		23	11	4	75	32	04	30.36	0.00	0	25	
15	10	-4	53	36	08	30.49	0.00	217	31		07	-2	-6	81	00	00	30.40	0.00	0	19		24	10	4	77	29	01	30.38	0.00	0	24	
16	10	-4	53	32	05	30.50	0.00	91	32		08	0	-4	81	18	05	30.36	0.00	5	19		01/26										
17	9	-3	56	36	01	30.51	0.00	14	30		09	4	-1	80	18	09	30.34	0.00	31	19		01	8	3	78	00	00	30.38	0.00	0	23	
18	9	-4	56	34	06	30.51	0.00	0	29		10	9	2	73	18	11	30.31	0.00	261	20		02	7	2	79	00	00	30.39	0.00	0	23	
19	8	-5	55	34	08	30.51	0.00	0	27		11	12	5	72	18	11	30.24	0.00	206	21		03	5	1	82	23	04	30.40	0.00	0	22	
20	8	-6	53	34	06	30.51	0.00	0	27		12	15	7	73	20	05	30.22	0.00	168	21		04	5	0	81	27	01	30.40	0.00	0	22	
21	7	-9	46	36	08	30.52	0.00	0	26		13	18	10	73	18	15	30.14	0.00	255	23		05	4	-1	82	18	02	30.40	0.00	0	22	
22	7	-11	43	34	05	30.53	0.00	0	25		14	21	13	73	18	16	30.07	0.00	170	23		06	3	-1	82	20	03	30.40	0.00	0	21	
23	6	-12	44	36	07	30.52	0.00	0	25		15	23	16	74	16	11	30.04	0.00	91	24		07	3	-1	82	20	04	30.40	0.00	0	21	
24	5	-12	44	34	12	30.52	0.00	0	25		16	26	19	75	18	07	30.01	0.00	90	25		08	4	-1	81	32	05	30.39	0.00	3	21	

1	2	3	4	5	6	7	8	9	10		1	2	3	4	5	6	7	8	9	10		1	2	3	4	5	6	7	8	9	10
01/05											01/15											01/26									
01	4	-12	46	34	11	30.52	0.00	0	24		17	26	21	81	20	05	30.01	0.00	14	26		09	6	2	80	23	07	30.39	0.00	36	21
02	3	-11	50	36	10	30.52	0.00	0	24		18	27	22	79	20	07	29.98	0.00	0	26		10	14	5	67	23	09	30.38	0.00	276	21
03	2	-12	51	34	06	30.53	0.00	0	24		19	27	22	80	23	06	29.94	0.00	0	27		11	19	9	64	18	06	30.38	0.00	422	22
04	2	-12	52	36	08	30.52	0.00	0	24		20	28	22	80	20	06	29.92	0.00	0	27		12	25	13	60	23	13	30.35	0.00	552	24
05	1	-11	55	34	08	30.52	0.00	0	23		21	29	23	81	23	04	29.91	0.00	0	28		13	29	15	56	23	11	30.31	0.00	584	27
06	0	-12	56	34	05	30.53	0.00	0	23		22	29	24	81	29	08	29.89	0.00	0	28		14	32	16	51	34	14	30.28	0.00	470	30
07	-1	-11	60	34	10	30.52	0.00	0	22		23	30	25	82	32	11	29.89	0.00	0	28		15	33	15	47	32	17	30.25	0.00	385	34
08	-1	-11	61	34	08	30.51	0.00	1	22		24	29	25	83	32	07	29.89	0.00	0	28		16	34	13	41	32	20	30.23	0.00	251	37
09	0	-12	57	34	09	30.49	0.00	40	22		01/16											17	33	12	42	32	12	30.20	0.00	52	36
10	3	-11	52	34	11	30.50	0.00	223	22		01	30	26	85	32	11	29.89	0.00	0	29		18	30	12	47	20	05	30.19	0.00	2	34
11	4	-9	54	32	07	30.50	0.00	280	23		02	31	26	82	32	14	29.91	0.00	0	29		19	28	12	51	32	05	30.18	0.00	0	33
12	7	-6	56	36	08	30.48	0.00	300	24		03	31	26	81	32	12	29.94	0.00	0	29		20	27	11	51	23	07	30.17	0.00	0	32
13	10	-4	53	34	09	30.47	0.00	381	26		04	30	25	81	32	09	29.95	0.00	0	29		21	25	10	52	23	06	30.15	0.00	0	31
14	13	-4	46	36	10	30.42	0.00	326	28		05	29	24	82	32	12	29.96	0.00	0	29		22	24	10	55	23	06	30.12	0.00	0	30
15	15	-3	43	34	12	30.40	0.00	199	30		06	31	25	79	29	11	29.97	0.00	0	29		23	22	9	57	20	07	30.09	0.00	0	29
16	16	-6	36	34	11	30.39	0.00	113	30		07	30	25	80	32	09	29.98	0.00	0	30		24	22	9	57	23	10	30.07	0.00	0	29
17	16	-6	37	36	10	30.41	0.00	19	29		08	30	25	80	32	11	29.99	0.00	0	30		01/27									
18	14	-7	37	36	11	30.43	0.00	0	28		09	30	24	79	32	10	30.00	0.00	41	33		01	21	9	59	23	05	30.03	0.00	0	28
19	13	-7	40	36	08	30.44	0.00	0	27		10	30	24	78	32	07	30.01	0.00	153	33		02	21	9	60	20	08	30.00	0.00	0	28
20	12	-6	42	02	07	30.45	0.00	0	27		11	31	24	76	32	06	30.03	0.00	361	33		03	20	9	63	20	08	29.97	0.00	0	28
21	12	-7	43	36	05	30.45	0.00	0	26		12	31	24	75	32	08	30.00	0.00	441	34		04	19	9	64	20	07	29.94	0.00	0	27
22	11	-7	44	36	09	30.45	0.00	0	26		13	32	25	73	32	09	29.99	0.00	422	35		05	19	10	65	23	05	29.92	0.00	0	27
23	10	-8	44	36	09	30.45	0.00	0	25		14	33	25	72	29	10	29.97	0.00	368	37		06	20	10	65	23	12	29.86	0.00	0	27
24	9	-8	46	34	13	30.45	0.00	0	25		15	34	25	70	32	08	29.96	0.00	363	39		07	20	10	64	20	04	29.83	0.00	0	26
01/06											16	33	25	71	32	05	29.94	0.00	149	39		08	21	10	62	23	11	29.79	0.00	7	26
01	8	-8	49	34	09	30.45	0.00	0	25		17	32	25	74	23	01	29.94	0.00	30	38		09	26	12	55	20	12	29.76	0.00	82	27
02	6	-8	51	34	09	30.45	0.00	0	24		18	30	24	79	00	00	29.92	0.00	0	36		10	29	13	51	20	12	29.74	0.00	91	28
03	5	-8	53	34	08	30.46	0.00	0	24		19	29	25	82	00	00	29.89	0.00	0	35		11	31	13	47	32	10	29.74	0.00	89	28
04	4	-8	57	00	00	30.48	0.00	0	24		20	29	24	82	14	04	29.85	0.00	0	34		12	33	14	46	29	12	29.74	0.00	146	29
05	3	-8	60	00	00	30.49	0.00	0	23		21	29	24	82	18	05	29.81	0.00	0	34		13	33	18	52	32	14	29.71	0.00	169	30
06	2	-8	63	36	02	30.48	0.00	0	23		22	29	24	80	18	06	29.77	0.00	0	33		14	35	21	56	32	17	29.70	0.00	251	31
07	2	-7	67	36	01	30.49	0.00	0	23		23	31	25	78	16	06	29.74	0.00	0	33		15	36	22	57	32	12	29.70	0.00	326	34
08	1	-7	67	34	02	30.50	0.00	1	22		24	32	26	76	18	09	29.68	0.00	0	33		16	37	24	59	32	12	29.72	0.00	253	37

1	2	3	4	5	6	7	8	9	10		1	2	3	4	5	6	7	8	9	10		1	2	3	4	5	6	7	8	9	10	
01/06											01/17											01/27										
09	2	-7	65	36	06	30.51	0.00	18	22		01	34	25	70	16	09	29.62	0.00	0	33		17	36	25	62	32	09	29.74	0.00	69	37	
10	6	-5	60	34	04	30.52	0.00	232	22		02	35	25	69	16	11	29.56	0.00	0	33		18	35	24	66	32	07	29.79	0.00	3	36	
11	9	-3	56	36	01	30.51	0.00	372	23		03	35	26	69	16	13	29.51	0.00	0	33		19	33	25	72	32	10	29.83	0.00	0	35	
12	12	-1	56	29	04	30.49	0.00	442	25		04	35	26	69	18	15	29.50	0.00	0	33		20	32	25	75	32	06	29.86	0.00	0	34	
13	14	1	55	32	03	30.47	0.00	454	28		05	34	26	73	18	12	29.47	0.00	0	33		21	30	24	76	32	06	29.89	0.00	0	33	
14	16	1	50	32	06	30.46	0.00	409	32		06	33	26	76	18	08	29.46	0.00	0	33		22	29	23	79	29	06	29.90	0.00	0	33	
15	18	1	47	34	04	30.47	0.00	213	35		07	31	25	79	18	06	29.45	0.00	0	33		23	28	22	80	29	02	29.90	0.00	0	32	
16	19	-1	42	36	04	30.48	0.00	124	37		08	30	25	81	32	04	29.47	0.00	2	33		24	26	20	79	29	02	29.90	0.00	0	31	
17	17	0	46	00	00	30.50	0.00	14	34		09	30	25	81	32	02	29.46	0.00	25	33		01/28										
18	14	1	55	00	00	30.50	0.00	0	30		10	32	27	80	29	15	29.48	0.00	90	33		01	25	20	82	27	03	29.88	0.00	0	31	
19	12	0	58	00	00	30.51	0.00	0	30		11	35	29	76	32	12	29.49	0.00	144	33		02	24	19	82	32	02	29.87	0.00	0	30	
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21	10	2	71	00	00	30.51	0.00	0	28		13	37	29	73	32	12	29.48	0.00	126	34		04	23	19	87	23	02	29.83	0.00	0	30	
22	12	1	62	36	01	30.52	0.00	0	28		14	38	26	63	29	17	29.49	0.00	172	35		05	22	19	87	18	03	29.81	0.00	0	29	
23	13	1	58	34	01	30.54	0.00	0	27		15	34	23	65	32	25	29.53	0.00	253	36		06	22	19	89	18	09	29.75	0.00	0	29	
24	11	0	61	00	00	30.54	0.00	0	27		16	31	22	69	32	16	29.58	0.00	60	36		07	24	22	89	18	09	29.72	0.00	0	29	
01/07											17	30	19	65	32	22	29.61	0.00	18	35		08	28	23	83	20	15	29.65	0.00	3	29	
01	11	0	61	36	02	30.54	0.00	0	26		18	25	15	66	32	21	29.67	0.00	0	34		09	29	24	79	20	11	29.60	0.00	45	29	
02	11	0	61	00	00	30.54	0.00	0	26		19	22	13	69	32	16	29.73	0.00	0	33		10	35	26	70	29	18	29.58	0.00	280	30	
03	9	0	67	36	01	30.55	0.00	0	26		20	20	13	72	32	16	29.78	0.00	0	32		11	38	27	64	32	16	29.54	0.00	428	32	
04	8	0	69	34	01	30.55	0.00	0	26		21	19	11	69	34	23	29.83	0.00	0	31		12	42	27	55	32	15	29.51	0.00	513	36	
05	8	0	69	00	00	30.56	0.00	0	25		22	17	8	67	32	15	29.87	0.00	0	30		13	45	27	48	32	19	29.48	0.00	538	38	
06	8	-1	66	36	01	30.57	0.00	0	25		23	16	7	67	32	14	29.91	0.00	0	30		14	44	27	50	32	20	29.50	0.00	470	41	
07	9	-1	63	36	01	30.59	0.00	0	25		24	15	7	69	32	17	29.93	0.00	0	29		15	45	28	51	32	19	29.51	0.00	391	43	
08	9	-1	62	36	03	30.59	0.00	0	24		01/18											16	44	29	54	32	14	29.53	0.00	270	45	
09	10	-1	60	36	03	30.60	0.00	30	24		01	14	5	67	34	17	29.95	0.00	0	29		17	43	29	56	32	16	29.56	0.00	105	43	
10	12	1	59	36	04	30.61	0.00	113	25		02	12	3	67	32	13	30.00	0.00	0	28		18	41	28	59	29	16	29.59	0.00	3	42	
11	14	-1	51	34	06	30.61	0.00	189	26		03	11	3	68	32	11	30.06	0.00	0	28		19	40	28	61	32	16	29.62	0.00	0	40	
12	15	-1	50	32	04	30.59	0.00	256	27		04	10	-1	62	32	14	30.09	0.00	0	27		20	39	28	65	32	14	29.63	0.00	0	39	
13	17	-2	42	32	07	30.58	0.00	292	28		05	8	-2	64	34	13	30.12	0.00	0	26		21	37	28	68	32	13	29.66	0.00	0	39	
14	19	-2	40	34	08	30.56	0.00	217	29		06	7	-3	65	32	14	30.15	0.00	0	26		22	37	28	70	32	12	29.69	0.00	0	38	
15	19	-2	39	32	05	30.56	0.00	173	29		07	5	-5	64	32	06	30.18	0.00	0	25		23	36	27	72	32	12	29.71	0.00	0	37	
16	18	-2	40	32	05	30.57	0.00	107	30		08	4	-6	63	32	08	30.21	0.00	2	25		24	35	27	72	32	16	29.74	0.00	0	37	

	1	2	3	4	5	6	7	8	9	10		1	2	3	4	5	6	7	8	9	10		1	2	3	4	5	6	7	8	9	10
01/07												01/18											01/29									
17	17	-2	42	32	05	30.59	0.00	20	28			09	3	-6	65	32	10	30.24	0.00	21	24		01	35	27	74	29	12	29.76	0.00	0	36
18	15	-3	46	29	01	30.59	0.00	0	28			10	4	-5	64	32	15	30.27	0.00	265	24		02	34	26	74	32	09	29.78	0.00	0	36
19	12	-3	51	00	00	30.59	0.00	0	28			11	6	-5	61	34	12	30.29	0.00	391	24		03	33	26	76	32	08	29.81	0.00	0	35
20	9	-2	60	29	01	30.60	0.00	0	28			12	6	-6	55	32	13	30.29	0.00	468	25		04	31	25	78	29	09	29.82	0.00	0	35
21	9	-2	60	00	00	30.59	0.00	0	28			13	8	-6	53	32	08	30.28	0.00	486	27		05	31	25	80	32	12	29.83	0.00	0	34
22	8	-2	62	29	03	30.58	0.00	0	27			14	7	-7	52	32	14	30.29	0.00	442	30		06	30	25	81	29	04	29.85	0.00	0	34
23	11	-3	55	32	04	30.58	0.00	0	27			15	7	-7	52	32	15	30.30	0.00	299	32		07	29	24	83	32	05	29.87	0.00	0	33
24	10	-2	59	32	04	30.57	0.00	0	26			16	5	-6	58	32	11	30.33	0.00	187	32		08	28	24	83	32	03	29.90	0.00	3	33
01/08												17	4	-7	59	32	13	30.35	0.00	34	29		09	29	25	83	32	06	29.93	0.00	45	33
01	9	-1	64	29	03	30.55	0.00	0	26			18	2	-9	60	32	11	30.38	0.00	0	27		10	30	25	81	32	07	29.97	0.00	74	33
02	8	0	71	29	03	30.55	0.00	0	26			19	0	-9	65	32	16	30.41	0.00	0	25		11	32	25	76	32	10	30.00	0.00	194	34
03	6	0	74	29	03	30.54	0.00	0	25			20	-1	-10	64	32	12	30.42	0.00	0	24		12	34	25	70	32	10	30.00	0.00	456	35
04	5	-1	76	32	03	30.52	0.00	0	25			21	-2	-12	63	32	18	30.43	0.00	0	23		13	35	26	67	32	06	29.99	0.00	553	37
05	5	-1	78	29	05	30.51	0.00	0	25			22	-4	-12	65	32	12	30.43	0.00	0	22		14	37	26	64	29	03	29.98	0.00	446	40
06	4	-1	79	29	04	30.50	0.00	0	24			23	-5	-14	63	32	11	30.44	0.00	0	21		15	36	25	64	32	08	29.98	0.00	238	41
07	3	-2	78	00	00	30.49	0.00	0	24			24	-6	-15	64	32	16	30.45	0.00	0	21		16	37	25	61	32	03	29.98	0.00	213	43
08	2	-3	81	23	02	30.45	0.00	1	23			01/19											17	38	25	59	00	00	29.97	0.00	78	42
09	3	-2	82	20	03	30.44	0.00	20	22			01	-7	-16	64	32	12	30.45	0.00	0	20		18	36	24	61	00	00	29.96	0.00	4	41
10	8	2	77	20	04	30.42	0.00	238	24			02	-8	-17	65	32	11	30.46	0.00	0	20		19	34	24	66	20	01	29.95	0.00	0	39
11	11	4	72	16	07	30.39	0.00	367	25			03	-9	-18	66	32	14	30.46	0.00	0	19		20	32	23	69	18	01	29.95	0.00	0	38
12	14	4	65	18	06	30.35	0.00	434	27			04	-10	-18	67	32	09	30.46	0.00	0	18		21	31	23	72	18	02	29.95	0.00	0	37
13	16	5	61	14	09	30.31	0.00	446	29			05	-11	-19	67	32	10	30.46	0.00	0	18		22	29	23	75	14	02	29.92	0.00	0	36
14	18	6	59	18	09	30.25	0.00	401	32			06	-12	-19	70	32	11	30.46	0.00	0	18		23	29	22	76	14	01	29.90	0.00	0	36
15	19	7	58	16	11	30.23	0.00	228	34			07	-13	-20	70	32	11	30.48	0.00	0	17		24	28	22	77	16	07	29.87	0.00	0	35
16	20	7	58	16	06	30.23	0.00	132	35			08	-14	-21	70	32	10	30.51	0.00	2	17		01/30									
17	19	7	59	00	00	30.21	0.00	21	33			09	-13	-20	70	32	07	30.52	0.00	31	16		01	33	23	68	16	09	29.85	0.00	0	34
18	17	7	63	16	01	30.19	0.00	0	32			10	-12	-20	66	32	09	30.52	0.00	259	16		02	31	22	70	16	12	29.80	0.00	0	34
19	16	7	65	14	03	30.17	0.00	0	30			11	-9	-18	64	32	05	30.52	0.00	388	17		03	33	23	66	18	05	29.78	0.00	0	34
20	16	6	66	00	00	30.15	0.00	0	30			12	-8	-17	62	32	08	30.49	0.00	466	18		04	32	23	67	18	05	29.75	0.00	0	34
21	16	7	67	11	01	30.13	0.00	0	29			13	-6	-16	61	32	12	30.47	0.00	488	20		05	32	23	67	18	06	29.74	0.00	0	34
22	16	7	69	14	04	30.13	0.00	0	29			14	-5	-14	62	32	08	30.45	0.00	437	22		06	32	22	68	20	04	29.75	0.00	0	34
23	16	8	70	16	04	30.12	0.00	0	28			15	-3	-14	59	32	09	30.44	0.00	340	24		07	31	22	69	20	02	29.77	0.00	0	34
24	15	8	74	16	06	30.11	0.00	0	28			16	-3	-14	57	32	13	30.44	0.00	205	25		08	31	22	71	23	02	29.77	0.00	4	33

1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
01/09										01/19										01/30									
01	14	8	76	16	06	30.08	0.00	0	27	17	-4	-14	62	32	08	30.45	0.00	47	23	09	32	23	69	29	02	29.77	0.00	43	34
02	13	8	78	14	02	30.09	0.00	0	27	18	-6	-14	65	29	03	30.45	0.00	1	21	10	38	26	62	29	04	29.76	0.00	304	34
03	13	8	79	16	05	30.08	0.00	0	27	19	-6	-14	66	32	02	30.46	0.00	0	20	11	41	27	59	34	06	29.76	0.00	437	35
04	13	8	80	16	06	30.06	0.00	0	27	20	-6	-15	66	29	02	30.46	0.00	0	19	12	45	29	53	18	10	29.80	0.00	515	37
05	12	8	81	16	06	30.06	0.00	0	26	21	-7	-15	67	32	08	30.46	0.00	0	19	13	47	30	50	34	06	29.79	0.00	529	40
06	12	7	81	16	08	30.06	0.00	0	26	22	-8	-16	68	29	04	30.47	0.00	0	18	14	48	31	51	32	04	29.77	0.00	491	44
07	11	7	81	18	07	30.05	0.00	0	26	23	-9	-18	65	32	09	30.48	0.00	0	18	15	49	31	51	32	09	29.74	0.00	395	48
08	12	7	81	16	06	30.04	0.00	2	25	24	-10	-19	66	29	02	30.49	0.00	0	17	16	49	32	51	34	05	29.75	0.00	252	51
09	13	8	81	18	04	30.07	0.00	43	27	01/20										17	48	31	52	02	01	29.76	0.00	57	49
10	15	9	79	16	10	30.06	0.00	95	28	01	-11	-19	68	00	00	30.49	0.00	0	17	18	42	29	60	36	01	29.76	0.00	3	47
11	18	12	77	16	09	30.06	0.00	233	28	02	-12	-19	70	00	00	30.50	0.00	0	16	19	37	27	67	00	00	29.79	0.00	0	45
12	19	12	75	16	04	30.04	0.00	355	29	03	-13	-20	71	00	00	30.51	0.00	0	16	20	33	26	73	36	02	29.82	0.00	0	43
13	21	14	72	18	04	30.03	0.00	309	30	04	-14	-20	74	00	00	30.51	0.00	0	16	21	34	27	77	36	02	29.80	0.00	0	42
14	23	15	70	29	02	30.02	0.00	191	31	05	-13	-19	74	00	00	30.52	0.00	0	15	22	36	27	70	34	04	29.80	0.00	0	41
15	22	17	78	29	05	30.03	0.00	84	30	06	-13	-19	74	00	00	30.53	0.00	0	15	23	35	27	70	34	05	29.80	0.00	0	40
16	22	17	82	32	02	30.06	0.01	50	30	07	-14	-20	74	00	00	30.55	0.00	0	15	24	37	26	66	36	04	29.80	0.00	0	39
17	21	17	84	29	02	30.07	0.02	8	30	08	-14	-20	75	00	00	30.56	0.00	2	15	01/31									
18	21	18	86	32	03	30.08	0.01	0	30	09	-13	-19	74	32	06	30.59	0.00	40	14	01	34	26	70	34	04	29.81	0.00	0	38
19	21	17	86	32	03	30.09	0.00	0	30	10	-11	-18	70	32	09	30.60	0.00	244	15	02	34	25	70	36	02	29.82	0.00	0	38
20	22	18	85	29	01	30.08	0.00	0	33	11	-10	-18	69	32	06	30.62	0.00	324	15	03	32	24	73	34	05	29.83	0.00	0	37
21	22	19	86	29	02	30.07	0.00	0	33	12	-10	-18	67	34	10	30.62	0.00	384	16	04	32	24	73	34	11	29.84	0.00	0	37
22	22	19	85	25	01	30.05	0.00	0	33	13	-9	-18	64	32	08	30.61	0.00	358	17	05	32	24	72	34	05	29.86	0.00	0	36
23	23	20	87	29	01	30.06	0.00	0	33	14	-9	-18	64	32	12	30.60	0.00	245	18	06	31	23	72	34	08	29.88	0.00	0	36
24	25	22	88	29	02	30.03	0.00	0	32	15	-9	-19	60	32	10	30.61	0.00	339	19	07	31	23	71	36	06	29.91	0.00	0	36
01/10										16	-9	-19	59	32	12	30.63	0.00	170	19	08	30	22	72	34	07	29.94	0.00	7	35
01	27	24	89	32	03	30.02	0.00	0	32	17	-10	-21	58	32	13	30.65	0.00	39	17	09	32	23	70	36	09	29.97	0.00	52	36
02	27	24	88	29	02	30.02	0.00	0	32	18	-12	-22	60	32	10	30.68	0.00	0	15	10	36	24	63	34	12	30.00	0.00	302	36
03	27	24	88	32	03	30.03	0.00	0	32	19	-15	-25	61	32	10	30.71	0.00	0	14	11	38	24	58	36	11	30.03	0.00	434	36
04	27	24	87	29	03	30.02	0.00	0	32	20	-17	-26	62	32	10	30.72	0.00	0	14	12	39	24	54	36	14	30.03	0.00	511	38
05	27	24	87	29	02	30.01	0.00	0	32	21	-18	-27	63	29	07	30.71	0.00	0	14	13	40	24	52	36	13	30.04	0.00	530	41
06	27	23	86	32	04	29.99	0.00	0	32	22	-18	-28	61	32	09	30.70	0.00	0	13	14	40	25	54	34	12	30.06	0.00	490	44
07	27	23	86	32	06	29.98	0.00	0	32	23	-19	-28	61	29	02	30.70	0.00	0	13	15	40	25	54	36	12	30.06	0.00	393	47
08	26	23	86	32	03	29.97	0.00	0	31	24	-19	-28	64	00	00	30.70	0.00	0	12	16	39	24	55	36	11	30.09	0.00	256	49

	1	2	3	4	5	6	7	8	9	10		1	2	3	4	5	6	7	8	9	10		1	2	3	4	5	6	7	8	9	10	
01/10												01/21											01/31										
09	26	22	86	32	04	29.96	0.00	17	32			01	-20	-28	66	00	00	30.69	0.00	0	13		17	37	22	55	36	09	30.13	0.00	61	47	
10	26	23	86	32	08	29.96	0.00	55	32			02	-20	-27	69	00	00	30.66	0.00	0	12		18	35	21	58	36	09	30.16	0.00	3	44	
11	27	23	86	32	10	29.94	0.00	72	32			03	-20	-27	71	00	00	30.65	0.00	0	12		19	33	21	61	36	07	30.19	0.00	0	42	
12	27	23	85	32	07	29.91	0.00	79	32			04	-21	-27	72	00	00	30.63	0.00	0	12		20	32	20	63	36	05	30.21	0.00	0	40	
13	27	22	82	32	09	29.88	0.00	107	32			05	-20	-26	74	00	00	30.62	0.00	0	12		21	31	18	59	36	03	30.21	0.00	0	39	
14	27	18	70	32	13	29.86	0.00	157	32			06	-20	-26	74	00	00	30.60	0.00	0	12		22	30	17	57	02	04	30.24	0.00	0	38	
15	26	17	70	32	13	29.86	0.00	140	32			07	-20	-25	75	20	02	30.58	0.00	0	11		23	29	15	54	07	07	30.24	0.00	0	38	
16	25	17	72	34	04	29.84	0.00	67	32			08	-19	-25	75	00	00	30.57	0.00	3	11		24	27	13	54	05	03	30.25	0.00	0	37	
17	24	15	70	32	10	29.84	0.00	15	33			09	-17	-22	76	20	03	30.56	0.00	22	11		AVG										
18	22	14	70	32	12	29.83	0.00	0	34			10	-11	-18	68	18	06	30.54	0.00	285	11		01	13	5	71		6	30.16	0.04	0	27	
19	21	13	72	32	08	29.84	0.00	0	32			11	-6	-16	61	16	11	30.49	0.00	404	12		02	12	5	72		6	30.16	0.01	0	26	
20	20	13	75	32	05	29.83	0.00	0	32			12	-1	-14	53	18	08	30.45	0.00	480	13		03	12	5	73		6	30.17	0.00	0	26	
21	18	11	72	32	05	29.81	0.00	0	33			13	2	-13	49	18	12	30.39	0.00	498	16		04	11	4	74		6	30.17	0.00	0	26	
22	18	12	77	29	03	29.80	0.00	0	33			14	4	-12	46	18	14	30.33	0.00	450	18		05	11	4	74		6	30.16	0.00	0	26	
23	17	10	74	32	05	29.78	0.00	0	32			15	6	-10	48	18	17	30.29	0.00	346	20		06	11	4	75		6	30.17	0.00	0	25	
24	17	10	73	32	06	29.78	0.00	0	31			16	7	-9	48	16	21	30.23	0.00	184	21		07	10	4	75		5	30.17	0.01	0	25	
01/11												17	7	-9	47	16	15	30.19	0.00	48	20		08	10	4	75		6	30.17	0.00	2	25	
01	17	10	73	32	05	29.77	0.00	0	31			18	7	-8	48	16	15	30.17	0.00	0	19		09	11	4	74		7	30.18	0.00	33	25	
02	16	10	74	32	01	29.77	0.00	0	30			19	9	-7	47	16	19	30.12	0.00	0	19		10	14	6	70		9	30.18	0.00	185	25	
03	16	10	75	00	00	29.77	0.00	0	30			20	10	-6	49	16	18	30.07	0.00	0	19		11	16	7	68		9	30.18	0.00	279	26	
04	16	10	77	23	02	29.77	0.00	0	30			21	10	-5	50	16	22	30.03	0.00	0	19		12	18	8	65		9	30.17	0.00	350	27	
05	16	10	76	20	01	29.76	0.00	0	29			22	11	-5	49	18	20	30.01	0.00	0	19		13	20	9	63		10	30.15	0.00	367	29	
06	16	10	77	14	01	29.76	0.00	0	29			23	12	-3	52	18	19	29.98	0.00	0	19		14	21	9	61		11	30.14	0.00	330	30	
07	16	10	77	14	03	29.76	0.00	0	29			24	12	-1	54	18	21	29.93	0.00	0	19		15	21	9	61		11	30.14	0.00	242	32	
08	17	11	78	14	04	29.75	0.00	0	29			01/22											16	21	9	61		9	30.14	0.01	141	33	
09	17	12	78	14	05	29.75	0.00	35	29			01	14	1	57	18	13	29.90	0.00	0	20		17	20	8	62		8	30.15	0.02	33	31	
10	19	13	77	14	10	29.76	0.00	94	29			02	15	3	58	18	19	29.89	0.00	0	20		18	18	8	64		7	30.16	0.01	1	30	
11	20	14	77	16	08	29.76	0.00	144	29			03	16	4	59	18	08	29.90	0.00	0	21		19	17	7	66		7	30.17	0.00	0	29	
12	23	16	75	14	10	29.72	0.00	273	32			04	17	5	60	18	09	29.88	0.00	0	21		20	15	7	68		7	30.18	0.03	0	29	
13	24	17	74	16	09	29.71	0.00	206	31			05	18	7	61	18	05	29.89	0.00	0	22		21	15	6	68		7	30.18	0.00	0	29	
14	26	19	75	16	11	29.68	0.00	200	31			06	18	8	62	18	04	29.88	0.00	0	22		22	14	6	69		7	30.18	0.00	0	28	
15	26	19	74	14	11	29.67	0.00	125	31			07	19	8	63	18	03	29.89	0.00	0	23		23	14	5	69		7	30.18	0.00	0	28	
16	26	20	76	14	10	29.67	0.00	65	31			08	20	9	64	20	03	29.90	0.00	1	23		24	13	5	70		7	30.18	0.00	0	27	