

Supporting Information for Screening Level Assessment of Risks Due to Dioxin Emissions from Burning Oil from the BP Deepwater Horizon Gulf of Mexico Spill

Oil Burn Data (Dates, Amounts, Times, and Location)

Burn No.	Date	Aprox. Burn Vol. - Min. (BBLs)	Aprox. Burn Vol. - Max (BBLs)	CUMMULATIVE Min Burn Vol. (BBLs)	CUMMULATIVE Max Burn Vol. (BBLs)	Burn Start	Burn End	Burn Duration	Team	Latitude	Longitude
1	4/28/2010	77	108	77	108	16:40	17:08	0:28	N/A	N/A	N/A
2	5/5/2010	512	716	589	824	11:38	12:20	0:42	1	N/A	N/A
3	5/5/2010	10	13	599	837	14:45	14:53	0:08	2	N/A	N/A
4	5/5/2010	1	2	600	839	15:11	15:16	0:05	2	N/A	N/A
5	5/5/2010	147	364	747	1203	19:00	19:34	0:34	N/A	N/A	N/A
6	5/6/2010	1760	3285	2507	4488	10:43	12:51	2:08	1	N/A	N/A
7	5/6/2010	1031	1925	3538	6413	13:43	14:58	1:15	2	N/A	N/A
8	5/6/2010	1723	2413	5261	8826	14:10	15:44	1:34	1	N/A	N/A
9	5/6/2010	41	131	5302	8957	18:11	19:00	0:49	2	N/A	N/A
10	5/7/2010	371	519	5673	9476	8:52	9:50	0:58	2	N/A	N/A
11	5/7/2010	25	35	5698	9511	13:18	13:28	0:10	N/A	N/A	N/A
12	5/7/2010	113	158	5811	9669	15:05	15:40	0:35	2	N/A	N/A
13	5/7/2010	170	237	5981	9906	15:09	15:55	0:46	2	N/A	N/A
14	5/7/2010	1	2	5982	9908	16:55	17:02	0:07	3	N/A	N/A
15	5/7/2010	994	1392	6976	11300	18:44	19:50	1:06	N/A	N/A	N/A
16	5/17/2010	1851	2591	8827	13891	11:30	12:56	1:26	1	28 49'.94" N	88 18'.64" W
17	5/17/2010	166	232	8993	14124	11:58	12:20	0:22	2	28 16'.27" N	88 16'.50" W
18	5/17/2010	136	190	9129	14314	13:15	14:32	1:17	1	28 50'.86" N	88 16'.87" W
19	5/17/2010	0	0	9129	14314	14:09	14:28	0:19	2	28 49'.97" N	88 18'.68" W
20	5/17/2010	0	0	9129	14314	15:45	16:00	0:15	1	28 16'.96" N	88 16'.69" W
21	5/17/2010	297	416	9426	14730	17:01	17:10	0:09	1	28 47'.03" N	N/A
22	5/17/2010	210	293	9636	15023	17:51	18:43	0:52	1	28 46'.08" N	88 17'.28" W
23	5/18/2010	235	329	9871	15352	9:53	10:33	0:40	1	28 47'.88" N	88 15'.038" W
24	5/18/2010	368	515	10239	15868	10:54	12:07	1:13	N/A	N/A	N/A
25	5/18/2010	51	72	10290	15939	17:04	17:41	0:37	N/A	N/A	N/A
26	5/18/2010	0	0	10290	15939	17:54	18:24	0:30	N/A	28 44'.42" N	88 16'.85" W

27	5/19/2010	303	425	10593	16364	N/A	N/A	N/A	N/A	N/A	N/A	N/A
28	5/19/2010	11700	16380	22293	32744	N/A	N/A	N/A	N/A	N/A	N/A	N/A
29	5/19/2010	3800	5319	26093	38064	N/A	N/A	N/A	N/A	N/A	N/A	N/A
30	5/19/2010	769	1076	26861	39139	N/A	N/A	N/A	N/A	N/A	N/A	N/A
31	5/19/2010	1423	1992	28284	41132	N/A	N/A	N/A	N/A	N/A	N/A	N/A
32	5/19/2010	4809	6733	33093	47864	N/A	N/A	N/A	N/A	N/A	N/A	N/A
33	5/20/2010	2940	4116	36033	51980	11:41	13:33	1:52	2	N/A	N/A	N/A
34	5/20/2010	678	950	36711	52930	12:56	14:02	1:06	1	N/A	N/A	N/A
35	5/20/2010	864	1210	37575	54140	14:45	15:51	1:06	1	N/A	N/A	N/A
36	5/20/2010	0	0	37575	54140	16:25	17:43	1:18	1	N/A	N/A	N/A
37	5/20/2010	4783	6696	42358	60836	16:43	17:01	0:18	2	N/A	N/A	N/A
38	5/20/2010	1	2	42359	60838	17:50	18:09	0:19	N/A	N/A	N/A	N/A
39	5/20/2010	179	251	42538	61089	18:33	18:55	0:22	N/A	N/A	N/A	N/A
40	5/23/2010	160	224	42698	61313	13:05	13:42	0:37	3	28 51'.72"w	088 24'.81W	
41	5/23/2010	293	410	42991	61723	15:27	15:45	0:18	3	28 51.2N	088 27.7W	
42	5/23/2010	34	84	43025	61807	16:23	16:50	0:27	braxton	28 51.28N	088 29.9W	
43	5/23/2010	139	195	43164	62002	16:57	17:30	0:33	1	28 50.6N	088 30.2W	
44	5/23/2010	125	176	43289	62178	18:04	19:09	1:05	1	28 51.4N	088 32.0W	
45	5/23/2010	10	14	43299	62192	18:24	18:38	0:14	3	28 52.5N	088 32.3W	
46	5/23/2010	2	3	43301	62195	19:10	19:20	0:10	N/A	28 52.7N	088 33.1W	
47	5/23/2010	8	11	43309	62206	19:30	19:48	0:18	1	28 52.9N	088 33.3W	
48	5/24/2010	172	240	43481	62446	8:24	8:55	0:31	1	28 52.0N	088 30.9W	
49	5/24/2010	75	105	43556	62551	9:35	9:58	0:23	3	28 52.4N	088 29.7W	
50	5/24/2010	382	534	43938	63085	9:49	11:27	1:38	5	28 51.7N	088 29.8W	
51	5/24/2010	179	250	44117	63335	10:14	11:25	1:11	1	28 52.9N	088 30.2W	
52	5/24/2010	280	392	44397	63727	11:14	12:03	0:49	4	28 51.7N	088 29.7W	
53	5/24/2010	76	106	44473	63833	12:17	13:23	1:06	4	28 51.8N	088 29.9W	
54	5/24/2010	7	10	44480	63843	12:38	13:43	1:05	3	28 22.3N	088 31.6W	
55	5/24/2010	458	641	44938	64484	12:58	15:04	2:06	4	28 51.4N	088 30.6W	
56	5/24/2010	132	185	45070	64669	14:47	15:17	0:30	2	28 50.5N	088 31.3W	
57	5/24/2010	40	56	45110	64725	15:30	16:10	0:40	4	28 49.4N	088 31.6	
58	5/24/2010	19	26	45129	64751	15:51	16:35	0:44	5	28 49.0N	088 31.3W	
59	5/24/2010	0	0	45129	64751	16:24	16:35	0:11	2	28 49.0N	088 32.6W	
60	5/24/2010	77	108	45206	64859	17:35	18:00	0:25	3	28 49.14N	088 33.15W	
61	5/24/2010	153	214	45359	65073	18:45	19:29	0:44	5	28 49.0N	088 34.9W	
62	5/25/2010	49	68	45408	65141	13:08	13:51	0:43	5	28 52.66' N	88 36.41' W	
63	5/25/2010	73	103	45481	65244	14:34	15:11	0:37	3	28 50.87' N	88 30.65' W	

64	5/25/2010	0	0	45481	65244	15:30	15:51	0:21	6	28 51.37' N	88 39.14' W
65	5/25/2010	0	0	45481	65244	16:06	16:14	0:08	6	28° 51.46' N	88° 39.33' W
66	5/25/2010	180	253	45661	65497	16:25	17:25	1:00	2	28° 52.42' N	88° 29.0' W
67	5/25/2010	0	0	45661	65497	17:22	17:31	0:09	4	28° 51.32' N	88° 39.96' W
68	5/26/2010	20	28	45681	65525	12:15	12:46	0:31	2	28-49.2N	088-28.8W
69	5/26/2010	117	163	45798	65688	13:30	14:14	0:44	1	28 48.74	88 26.87
70	5/26/2010	0	0	45798	65688	16:33	17:25	0:52	6	28 45.5N	088 20.7W
71	5/26/2010	75	105	45873	65793	17:50	18:06	0:16	4	28 44.529	88 30.725
72	5/26/2010	24	33	45897	65826	18:36	18:56	0:20	4	28 43.77N	88 31.18W
73	5/26/2010	14	20	45911	65846	19:17	19:25	0:08	1	28-43.20N	088-31.40W
74	5/26/2010	114	160	46025	66006	19:40	20:00	0:20	2	28 43.17	88 31.71
75	5/27/2010	57	80	46082	66086	10:42	11:11	0:29	6	28-44.95N	088-31.61W
76	5/27/2010	55	77	46137	66163	13:15	13:33	0:18	5	28-42.57N	088-30.68W
77	5/27/2010	217	304	46354	66467	13:20	14:25	1:05	2	28-42.06N	088-32.22W
78	5/27/2010	177	248	46531	66715	14:34	15:40	1:06	5	28 41.63	88 31.94
79	5/27/2010	11	15	46542	66730	14:46	15:07	0:21	4	28 41.77	88 31.95
80	5/27/2010	10	14	46552	66744	15:17	15:40	0:23	6	28 41.97	88 32.54
81	5/27/2010	3	4	46555	66748	15:38	16:18	0:40	3	28 42.13	88 32.71
82	5/27/2010	10	13	46565	66761	16:07	16:28	0:21	4	28 40.50	88 33.09
83	5/27/2010	27	38	46592	66799	16:33	17:00	0:27	2	28 41.22	88 33.64
84	5/27/2010	0	0	46592	66799	17:01	17:24	0:23	1	28 40.83	88 34.13
85	5/27/2010	11	16	46603	66815	17:42	18:04	0:22	3	28 40.0	88 35.0
86	5/27/2010	16	23	46619	66838	18:53	19:16	0:23	6	28 38.80	88 37.43
87	5/27/2010	0	0	46619	66838	18:56	19:35	0:39	5	28 39.95	88 35.91
88	5/28/2010	0	0	46619	66838	13:17	13:35	0:18	3	28-41.20N	088-32.29W
89	5/29/2010	0	0	46619	66838	10:51	11:37	0:46	3	28-40.1N	088-41.70W
90	5/29/2010	1	1	46620	66839	11:30	11:57	0:27	5	28-40.71N	088-41.70W
91	5/29/2010	81	113	46701	66952	11:59	12:16	0:17	3	28-40.62N	088-42.30W
92	5/29/2010	284	397	46985	67349	13:40	15:22	1:42	5	28-41.3N	088-47.8W
93	5/29/2010	0	0	46985	67349	16:35	16:52	0:17	6	28-42.37N	088-48.10W
94	5/29/2010	560	703	47545	68052	15:53	16:10	0:17	3	28 42.9	88 46.4
95	5/29/2010	95	133	47640	68185	16:24	16:44	0:20	5	28 42.3	88 49.1
96	5/30/2010	93	130	47733	68315	13:08	13:25	0:17	3	28-47.7	88-26.86
97	5/30/2010	68	95	47801	68410	14:16	15:18	1:02	6	28-48.6	88-27.6
98	5/30/2010	95	133	47896	68543	15:43	16:04	0:21	6	28-48.6	88-27.4
99	5/30/2010	257	360	48153	68903	15:48	16:39	0:51	5	28-48.6	88-28.9
100	5/30/2010	32	44	48185	68947	16:05	16:45	0:40	3	28-49.48	88-27.2

101	5/30/2010	207	290	48391	69237	17:30	18:03	0:33	3	28 49.10	88 27.63
102	5/30/2010	95	133	48487	69370	17:29	18:25	0:56	5	28 49.39	88 27.73
103	5/30/2010	116	162	48602	69532	18:03	18:38	0:35	6	28 49.2	88 27.6
104	5/30/2010	325	455	48927	69987	19:09	19:40	0:31	3	28 49.8	88 28.0
105	5/31/2010	186	261	49113	70248	8:09	9:27	1:18	5	28-48.4N	088-22.4W
106	5/31/2010	720	1008	49833	71255	8:17	10:55	2:38	3	28-48.4N	088-22.2W
107	5/31/2010	0	0	49833	71255	8:29	8:56	0:27	6	28-48.8N	088-22.8W
108	5/31/2010	59	83	49892	71338	10:15	10:44	0:29	6	28-48.1N	088-22.2W
109	5/31/2010	187	262	50080	71600	10:47	12:00	1:13	5	28-48.0N	088-22.0W
110	5/31/2010	501	702	50581	72302	11:10	12:10	1:00	6	28-48.0N	088-22.0W
111	5/31/2010	9	12	50590	72314	13:03	13:33	0:30	5	28-47.7N	088-22.5W
112	5/31/2010	73	102	50662	72416	13:31	14:01	0:30	6	28-48.1N	088-23.5W
113	5/31/2010	97	136	50759	72552	14:00	14:18	0:18	5	28-48.6N	088-52.0W
114	5/31/2010	424	594	51183	73145	14:04	14:59	0:55	3	28-48.6N	088-52.0W
115	5/31/2010	513	719	51697	73864	14:39	16:19	1:40	5	28-47.9N	088-22.2W
116	5/31/2010	144	202	51841	74066	14:43	15:06	0:23	6	28-47.5N	088-23.0W
117	5/31/2010	8512	11916	60353	85982	15:40	19:32	3:52	3	28-48.0N	088-22.7W
118	5/31/2010	101	142	60454	86124	16:44	17:01	0:17	5	28-47.0N	088-22.4W
119	5/31/2010	750	1050	61204	87174	17:15	17:50	0:35	5	28-47.46N	088-22.66W
120	5/31/2010	254	356	61458	87530	18:17	19:54	1:37	5	28-47.5N	088-23.1W
121	5/31/2010	1248	1748	62706	89278	18:30	19:36	1:06	1	28-46.9N	088-44.1W
122	6/1/2010	3849	5389	66556	94667	10:45	12:08	1:23	3	28-52.0N	088-25.0W
123	6/1/2010	138	193	66694	94860	12:21	13:17	0:56	5	28-51.8N	088-25.4W
124	6/1/2010	2451	3431	69144	98291	13:45	15:15	1:30	3	28-49.6N	088-24.9W
125	6/1/2010	132	185	69277	98476	14:17	15:08	0:51	5	28-48.7N	088-24.8W
126	6/2/2010	571	800	69848	99276	11:55	12:05	0:10	3	28-49.2N	088-26.6W
127	6/7/2010	231	323	70079	99599	13:38	14:11	0:33	1	28 40.8N	88 29.7W
128	6/7/2010	66	92	70145	99691	13:47	15:03	1:16	5	28 45.6N	88 15.5W
129	6/7/2010	18	26	70163	99717	15:08	15:42	0:34	1	28 46.3N	88 15.3W
130	6/7/2010	157	220	70320	99937	16:22	17:22	1:00	5	28-41.745N	088-32.656W
131	6/7/2010	36	51	70356	99988	17:21	18:05	0:44	6	28 42.198N	088 32.536W
132	6/7/2010	61	85	70417	100073	17:55	18:30	0:35	5	28 41.8N	088 32.6W
133	6/7/2010	180	252	70597	100325	18:50	19:06	0:16	6	28 42.144N	088 32.689W
134	6/8/2010	45	63	70642	100388	10:36	11:06	0:30	5	28 37.5N	88 28.27W
135	6/8/2010	109	153	70752	100541	10:44	11:26	0:42	1	28 38.5N	88 27.5W
136	6/8/2010	65	92	70817	100633	11:26	12:15	0:49	6	28'38.01N	88'28.00W
137	6/8/2010	127	178	70944	100811	12:34	13:24	0:50	1	28'38.55N	88'29.36W

138	6/8/2010	3	4	70947	100814	12:34	12:49	0:15	5	28'37.0N	88'29.3W
139	6/8/2010	1621	2270	72568	103084	12:46	19:25	6:39	7	28'37.9N	88'28.8W
140	6/8/2010	367	513	72935	103598	13:00	15:48	2:48	3	28'37.9N	88'28.8W
141	6/8/2010	469	656	73403	104254	13:11	14:40	1:29	6	28'37.4N	88'28.94W
142	6/8/2010	322	451	73725	104705	13:26	17:28	4:02	4	28'37.88N	088'28.94W
143	6/8/2010	70	98	73795	104802	15:02	15:37	0:35	5	28'37.0N	088'29.3W
144	6/8/2010	604	846	74399	105648	15:25	16:15	0:50	1	28'39.1N	088'31.9W
145	6/8/2010	503	704	74902	106352	15:48	16:28	0:40	6	28'38.17N	088'30.8
146	6/8/2010	90	126	74992	106478	17:05	18:03	0:58	5	28'37.5N	088'29.6W
147	6/8/2010	65	91	75057	106569	17:14	17:59	0:45	6	28'38.91N	88'31.30W
148	6/8/2010	84	118	75141	106687	17:28	18:05	0:37	1	28'39.4N	088'32.0W
149	6/9/2010	75	106	75217	106792	9:57	10:19	0:22	5	28 42.8N	88 33.5W
150	6/9/2010	1156	1618	76373	108411	10:14	12:22	2:08	1	28 43.8N	88 32.6W
151	6/9/2010	119	167	76492	108577	12:37	14:06	1:29	6	28 43.5N	88 33.4W
152	6/9/2010	123	173	76615	108750	12:46	13:15	0:29	1	28 43.7N	88 34.3W
153	6/9/2010	29	41	76644	108791	13:02	13:41	0:39	3	28 43.1N	88 34.1W
154	6/9/2010	60	85	76705	108876	13:27	13:56	0:29	5	28 43.0N	88 34.6W
155	6/9/2010	266	372	76971	109248	13:31	13:37	0:06	1	28 43.4N	88 35.1W
156	6/9/2010	52	73	77023	109321	14:00	14:47	0:47	3	28 39.4N	88 33.9W
157	6/9/2010	99	139	77122	109460	14:09	15:07	0:58	3	28 42.7N	88 35.6W
158	6/9/2010	116	162	77238	109622	14:16	14:43	0:27	2	28 42.5N	88 33.9W
159	6/9/2010	343	480	77581	110102	14:40	16:34	1:54	6	28 42.5N	88 35.54W
160	6/9/2010	103	144	77684	110246	15:11	15:49	0:38	6	28 41.8N	88 35.5W
161	6/9/2010	64	89	77747	110335	15:25	15:45	0:20	4	28 42.1N	88 36.1W
162	6/9/2010	106	148	77853	110484	16:32	17:04	0:32	4	28 41.6N	88 37.0W
163	6/9/2010	68	95	77921	110578	17:00	18:10	1:10	6	28 41.3N	88 36.9W
164	6/9/2010	66	93	77987	110671	17:18	17:49	0:31	1	28 40.9N	88 37.9W
165	6/9/2010	93	131	78080	110802	17:41	18:26	0:45	2	28 41.8N	88 38.9W
166	6/10/2010	300	400	78380	111202	15:45	16:04	0:19	2	28 39.9N	88 29.9W
167	6/12/2010	2	3	78382	111204	10:22	10:32	0:10	5	28 56.0N	88 25.4W
168	6/12/2010	6	8	78388	111213	10:35	10:50	0:15	3	28 57.7N	88 25.38W
169	6/12/2010	218	305	78606	111518	11:32	13:22	1:50	7	28 57.14N	88 27.37W
170	6/12/2010	32	45	78638	111563	12:38	13:09	0:31	5	28 58.11N	88 23.89W
171	6/12/2010	909	1272	79547	112835	13:20	14:38	1:18	4	28 54.6N	88 27.2W
172	6/12/2010	255	357	79802	113192	13:46	14:30	0:44	3	28 58.72N	88 24.4W
173	6/12/2010	14	20	79817	113213	14:00	14:16	0:16	2	28 53.7N	88 26.14W
174	6/12/2010	19	27	79836	113239	14:48	15:19	0:31	5	28 57.6N	88 21.8W

175	6/12/2010	33	46	79868	113285	15:00	15:31	0:31	7	28 57.98N	88 22.34W
176	6/12/2010	4597	6436	84465	119721	17:03	20:15	3:12	2	28 54.2N	88 27.6W
177	6/12/2010	85	120	84551	119841	17:28	17:52	0:24	7	28 54.9N	88 23.4W
178	6/12/2010	19	26	84570	119867	17:46	18:40	0:54	5	28 54.9N	88 22.3W
179	6/12/2010	31	44	84601	119911	18:08	18:16	0:08	6	28 54.4N	88 45.7W
180	6/12/2010	55	77	84656	119988	17:46	18:40	0:54	5	28 54.9N	88 22.3W
181	6/12/2010	5	7	84662	119995	18:03	18:16	0:13	6	28 54.8	88 45.7W
182	6/13/2010	4774	6683	89435	126679	9:05	20:26	11:21	7	28 58.50N	88 32.59W
183	6/13/2010	15	21	89451	126700	9:35	9:49	0:14	5	28 59.0N	88 29.4W
184	6/13/2010	888	1244	90339	127944	10:08	12:46	2:38	1	28 57.85n	88 31.63W
185	6/13/2010	2283	3196	92621	131139	10:14	17:34	7:20	3	28 52.7N	88 31.96W
186	6/13/2010	4692	6568	97313	137707	11:00	17:15	6:15	4	28 54.7N	88 30.4W
187	6/13/2010	171	240	97484	137947	11:35	12:06	0:31	6	28 55.62N	88 30.64W
188	6/13/2010	26	36	97510	137983	11:42	12:08	0:26	5	28 59.24	88 26.33W
189	6/13/2010	64	89	97574	138073	13:45	14:29	0:44	2	28 50.8N	88 29.9W
190	6/13/2010	360	504	97934	138577	14:41	16:28	1:47	1	28 53.88N	88 30.45
191	6/13/2010	35	49	97969	138626	14:15	15:11	0:56	5	28 58.19N	88 27.64W
192	6/13/2010	120	168	98089	138793	15:27	16:22	0:55	5	28 58.1N	88 27.64W
193	6/13/2010	342	479	98431	139272	16:41	20:15	3:34	5	28 56.37	88 29.97W
194	6/13/2010	32	45	98463	139317	17:07	17:31	0:24	6	28 50.5N	88 30.7W
195	6/13/2010	21	30	98484	139347	18:25	18:41	0:16	2	28 59.19N	88 31.01W
196	6/14/2010	88	123	98572	139470	10:35	11:36	1:01	1	28 50.9N	88 25.42W
197	6/14/2010	61	86	98633	139556	10:38	12:14	1:36	2	28 53.9N	88 29.5W
198	6/14/2010	20	27	98653	139583	11:23	12:06	0:43	4	28 48.4N	88 25.2W
199	6/14/2010	73	102	98726	139685	11:24	12:06	0:42	5	28 57.2N	88 32.3W
200	6/14/2010	11	16	98737	139701	12:06	12:27	0:21	7	28 52.3N	88 18.9W
201	6/14/2010	264	370	99001	140071	12:09	13:30	1:21	6	28 56.23N	88 31.32W
202	6/14/2010	92	129	99093	140199	12:29	12:56	0:27	3	28 49.8N	88 25.4W
203	6/14/2010	106	148	99199	140348	12:51	15:27	2:36	5	28 57.3N	88 31.8W
204	6/14/2010	1133	1586	100332	141934	13:14	14:18	1:04	7	28 01.2N	88 17.3W
205	6/14/2010	20	29	100352	141962	14:19	14:50	0:31	1	28 47.3N	88 24.5W
206	6/14/2010	19	27	100371	141989	15:39	15:58	0:19	1	28 46.0N	88 25.8W
207	6/14/2010	3	5	100375	141994	15:41	16:15	0:34	6	28 55.8N	88 32.1W
208	6/14/2010	186	261	100561	142255	16:02	16:50	0:48	5	28 56.1N	88 31.5W
209	6/14/2010	1	1	100562	142256	17:05	17:20	0:15	6	28 54.4N	88 32.5W
210	6/14/2010	1041	1457	101602	143712	17:05	19:15	2:10	2	28 52.7N	88 30.08W
211	6/14/2010	387	542	101989	144254	17:31	20:18	2:47	3	28 50.7N	88 30.6W

212	6/14/2010	54	75	102043	144330	18:06	18:22	0:16	5	28 55.3N	88 30.2W
213	6/14/2010	20	27	102063	144357	18:13	18:32	0:19	4	28 52.47N	88 30.2W
214	6/15/2010	344	482	102407	144838	9:05	12:08	3:03	1	28 56.38N	88 32.08W
215	6/15/2010	111	156	102518	144994	13:43	14:53	1:10	4	28 56.43N	88 30.67W
216	6/15/2010	169	236	102686	145230	14:03	15:56	1:53	2	28 58.7N	88 27.7W
217	6/15/2010	43	60	102729	145290	14:11	14:30	0:19	9	28 57.3N	88 27.8W
218	6/15/2010	8	11	102737	145301	15:04	15:56	0:52	10	28 57.3N	88 27.13W
219	6/15/2010	143	200	102880	145501	15:31	16:50	1:19	1	28 56.5N	88 27.07W
220	6/15/2010	1	1	102881	145502	16:19	16:39	0:20	3	28 57.1N	88 26.0W
221	6/15/2010	12	17	102893	145520	16:24	17:13	0:49	4	28 56.4N	88 26.75W
222	6/15/2010	1	2	102895	145522	16:43	17:09	0:26	2	28 57.4N	88 26.4W
223	6/15/2010	14	19	102908	145541	17:22	17:38	0:16	1	28 56.9N	88 26.16W
224	6/16/2010	5956	8339	108865	153880	9:19	21:07	11:48	1	28 59.6N	88 29.63W
225	6/16/2010	5	7	108870	153887	10:17	10:34	0:17	4	28 55.88N	88 30.97W
226	6/16/2010	214	299	109083	154186	11:00	11:31	0:31	10	28 59.6N	88 29.8W
227	6/16/2010	705	986	109788	155172	11:57	15:54	3:57	10	28 59.47N	88 28.89W
228	6/16/2010	2508	3512	112296	158684	12:13	15:53	3:40	2	28 57.8N	88 30.3W
229	6/16/2010	1014	1420	113310	160103	13:09	23:29	10:20	3	29 0.0N	88 26.3W
230	6/16/2010	81	113	113391	160217	13:17	14:02	0:45	4	28 57.8N	88 29.6W
231	6/16/2010	292	409	113683	160626	13:33	17:52	4:19	9	29 0.0N	88 26.2W
232	6/16/2010	5968	8355	119651	168981	15:00	23:30	8:30	4	28 55.2N	88 28.4W
233	6/16/2010	33	46	119684	169027	17:29	17:48	0:19	2	28 56.7N	88 28.4W
234	6/17/2010	2237	3132	121921	172159	11:30	18:24	6:54	4	28 53.6N	88 27.0W
235	6/17/2010	1251	1751	123172	173910	13:28	15:52	2:24	3	28 50.0N	88 27.0W
236	6/17/2010	7492	10488	130664	184399	16:43	21:12	4:29	1	28 52.4N	88 23.77W
237	6/17/2010	59	83	130723	184481	16:46	17:06	0:20	3	28 48.6N	88 26.7W
238	6/17/2010	44	62	130767	184543	18:02	18:24	0:22	9	28 47.89N	88 26.49W
239	6/18/2010	121	170	130888	184713	8:47	9:34	0:47	1	28 50.62N	088 23.84W
240	6/18/2010	69	96	130957	184809	9:40	10:12	0:32	2	28.50.62N	088.22.74W
241	6/18/2010	147	205	131103	185014	10:44	11:17	0:33	1	28 51.35N	88 21.00W
242	6/18/2010	148	207	131251	185221	12:59	13:57	0:58	1	28.51.4N	088.19.6W
243	6/18/2010	420	588	131671	185809	13:14	14:16	1:02	2	28.50.23N	088.20.32N
244	6/18/2010	49	69	131721	185878	13:24	13:44	0:20	3	28.50.2N	088.19.88W
245	6/18/2010	820	1148	132541	187026	13:30	14:20	0:50	9	28.50.2N	088.19.88W
246	6/18/2010	4333	6066	136874	193093	15:07	20:43	5:36	1	28.50.11N	088.18.86W
247	6/18/2010	255	357	137129	193450	15:07	16:32	1:25	3	28.49.5N	088.19.6W
248	6/18/2010	842	1178	137971	194628	15:11	16:52	1:41	9	28.49.38N	088.19.41W

249	6/18/2010	16097	22536	154068	217164	15:18	18:01	2:43	4	28.49.95.2N	088.19.04W
250	6/18/2010	21932	30705	175999	247868	15:30	18:00	2:30	2	28.49.5N	088.20.11W
251	6/18/2010	127	178	176127	248047	16:56	17:27	0:31	3	28.47.6N	088.19.8W
252	6/18/2010	1705	2388	177832	250434	17:05	18:23	1:18	4	28.49.64N	088.19.86W
253	6/18/2010	2133	2986	179965	253420	18:03	21:37	3:34	9	28.47N	088.20.2W
254	6/18/2010	422	591	180387	254011	18:13	18:54	0:41	3	28.45.9N	088.20.2W
255	6/19/2010	360	504	180747	254515	13:30	14:02	0:32	6	28 49.89N	088 21.50W
256	6/19/2010	83	116	180830	254631	13:42	14:08	0:26	7	28 49.40N	088 22.91W
257	6/19/2010	1226	1716	182056	256347	15:10	16:57	1:47	7	28 47.67N	088 21.95W
258	6/19/2010	39	55	182095	256402	15:30	15:54	0:24	8	28 47.40N	088 20.70W
259	6/19/2010	36	50	182131	256452	15:32	15:38	0:06	6	28 47.54N	088 20.40W
260	6/19/2010	204	286	182335	256738	16:57	17:25	0:28	7	28 45.34N	088 21.48W
261	6/20/2010	37	52	182372	256790	11:51	12:10	0:19	5	28 51.0N	088 21.4W
262	6/20/2010	198	278	182570	257068	13:02	13:44	0:42	10	28 51.90N	088 25.78W
263	6/20/2010	24	33	182594	257101	13:42	13:50	0:08	9	28 51.180N	088 24.143W
264	6/20/2010	75	105	182669	257206	14:25	14:40	0:15	6	28 51.40N	088 24.50W
265	6/20/2010	18	25	182687	257231	15:11	15:20	0:09	6	28 51.04N	088 24.98W
266	6/20/2010	74	104	182761	257334	15:26	15:57	0:31	5	28.50.52N	088.24.31W
267	6/20/2010	85	120	182846	257454	16:31	16:45	0:14	8	28.50.21N	088.27.06W
268	6/21/2010	2975	4165	185821	261619	7:52	12:52	5:00	7	28 49.55N	088.25.3W
269	6/21/2010	1350	1889	187171	263508	7:59	12:37	4:38	8	28 49.869N	088 25.781W
270	6/21/2010	1139	1595	188310	265103	8:03	9:17	1:14	10	28 49.183N	088 26.569W
271	6/21/2010	1550	2170	189860	267273	9:02	12:35	3:33	9	28 51.42N	088 26.05W
272	6/21/2010	1237	1731	191097	269005	9:50	14:31	4:41	5	28 51.69N	088 24.55W
273	6/21/2010	473	662	191570	269667	10:05	11:05	1:00	10	28 48.139N	088 26.569W
274	6/21/2010	1141	1597	192710	271264	10:17	11:54	1:37	6	28 51.92N	088 25.01W
275	6/21/2010	468	655	193178	271919	11:58	12:45	0:47	10	28 48.14N	088 26.57W
276	6/21/2010	292	409	193470	272328	13:04	13:50	0:46	9	28 48.82N	088 22.94W
277	6/21/2010	160	224	193631	272552	13:30	14:16	0:46	8	28 48.80N	088 22.79W
278	6/21/2010	51	71	193681	272623	13:33	13:44	0:11	6	28 50.35N	088 23.42W
279	6/21/2010	54	76	193736	272699	13:40	14:39	0:59	7	28 50.23N	088 22.63W
280	6/21/2010	0	0	193736	272699	14:25	14:35	0:10	10	28 48.13N	088 26.56W
281	6/21/2010	41	57	193777	272756	14:07	14:33	0:26	6	28 50.37N	088 23.55W
282	6/21/2010	395	553	194172	273310	14:48	15:07	0:19	9	28 48.77N	088 23.20W
283	6/21/2010	774	1083	194946	274393	15:07	16:27	1:20	10	28 48.13N	088 26.56W
284	6/21/2010	13	18	194958	274411	15:30	15:44	0:14	9	28 48.45N	088 22.43W
285	6/21/2010	744	1041	195702	275452	15:36	16:36	1:00	5	28 52.19N	088 21.13W

286	6/21/2010	625	876	196328	276328	15:47	16:16	0:29	8	28 49.14N	088 23.95W
287	6/21/2010	638	893	196966	277221	16:36	19:06	2:30	8	28 49.59N	088 24.37W
288	6/21/2010	78	110	197044	277331	16:59	18:04	1:05	9	28 49.28N	088 23.56W
289	7/8/2010	0	0	197044	277331						
290	7/9/2010	346	484	197390	277815	10:20	12:12	1:52	7	28 47.502 N	088 28.035 W
291	7/9/2010	2067	2894	199457	280709	11:16	12:30	1:14	1	28 48.7 N	088 28.0 W
292	7/9/2010	361	506	199819	281215	12:04	13:31	1:27	6	28 47.81N	088 27.1 W
293	7/9/2010	413	579	200232	281794	13:34	14:33	0:59	6	28 48.8N	088 28.08W
294	7/9/2010	357	500	200589	282294	14:24	15:20	0:56	10	28 49.9N	088 27.5W
295	7/9/2010	157	220	200746	282514	14:31	15:13	0:42	5	28 48.155N	088 27.194W
296	7/9/2010	58	81	200804	282595	14:44	15:10	0:26	6	28 29.51N	088 27.53W
297	7/9/2010	294	411	201098	283006	15:34	16:20	0:46	7	28 49.77N	088 27.535W
298	7/9/2010	25	34	201123	283040	16:01	16:12	0:11	5	28 50.15N	088 26.54W
299	7/9/2010	928	1299	202051	284339	16:55	17:55	1:00	5	28 50.35N	088 25.8W
300	7/9/2010	277	387	202327	284726	16:58	17:09	0:11	8	28 50.6N	088 26.71W
301	7/9/2010	25	36	202352	284762	17:53	18:29	0:36	7	28 50.85	88 26.6
302	7/9/2010	422	591	202774	285353	17:52	18:20	0:28	4	28 50.34	88 27.26
303	7/9/2010	50	71	202824	285424	18:03	18:47	0:44	6	28 50.77	88 26.535
304	7/9/2010	1150	1611	203974	287034	18:34	19:25	0:51	5	28 51.28	88 25.41
305	7/10/2010	140	197	204115	287231	8:26	9:00	0:34	7	28 52.9N	088 16.525W
306	7/10/2010	3794	5312	207909	292543	8:30	10:21	1:51	1	28 52.903N	088 14.685W
307	7/10/2010	4	6	207913	292549	9:05	10:15	1:10	5	28 51.400N	088 18.368W
308	7/10/2010	940	1316	208853	293865	9:12	10:22	1:10	9	28 51.73N	088 16.80W
309	7/10/2010	311	436	209165	294301	9:56	11:49	1:53	7	28 51.64N	088 15.19W
310	7/10/2010	61	86	209226	294387	10:31	11:04	0:33	6	28 51.46N	088 14.97W
311	7/10/2010	2646	3705	211872	298092	11:39	14:52	3:13	6	28 51.18N	088 13.83W
312	7/10/2010	176	246	212048	298338	12:08	12:27	0:19	9	28 50.7N	088 14.5W
313	7/10/2010	76	106	212124	298444	12:48	13:02	0:14	9	28 50.7N	088 14.5W
314	7/10/2010	59	83	212183	298527	13:14	13:25	0:11	10	28 49.88N	088 14.838W
315	7/11/2010	46	65	212229	298592	9:05	10:22	1:17	4	28 40N	88 12W
316	7/11/2010	578	810	212808	299402	10:29	11:34	1:05	4	28 42N	88 10W
317	7/11/2010	61	85	212868	299487	10:50	10:54	0:04	9	28 39N	88 10W
318	7/11/2010	72	101	212940	299587	10:30	11:03	0:33	8	28 40.91N	88 11.18W
319	7/11/2010	660	924	213600	300511	11:28	12:38	1:10	5	28 40.130 N	88 10.65 W
320	7/11/2010	0	0	213600	300511	12:06	12:11	0:05	3	28 39 N	88 13 W
321	7/11/2010	1136	1590	214736	302101	12:26	13:36	1:10	3	28 39.6 N	88 13.1 W
322	7/11/2010	550	771	215286	302872	12:31	13:27	0:56	9	28 39 N	88 10 W

323	7/11/2010	50	70	215336	302942	13:02	13:16	0:14	4	28 40N	88 08.2W
324	7/11/2010	66	92	215402	303034	13:57	14:17	0:20	6	28 38.93N	88 13.02W
325	7/11/2010	81	114	215483	303147	13:49	14:41	0:52	10	28 39.35N	88 10.48W
326	7/11/2010	772	1081	216255	304228	14:15	14:18	0:03	7	28 38.95N	88 10.42W
327	7/11/2010	50	70	216305	304298	14:36	15:25	0:49	5	28 38.96N	88 10.74W
328	7/11/2010	242	339	216547	304637	16:15	17:00	0:45	6	28 38.71N	88 2.24W
329	7/11/2010	72	100	216619	304738	16:32	16:51	0:19	5	28 38.43N	88 9.92W
330	7/13/2010	47	65	216665	304803	11:47	11:57	0:10	9	28 42.85N	088 14.41W
331	7/13/2010	45	64	216711	304866	12:16	13:09	0:53	9	28 42.6N	088 14.0W
332	7/13/2010	43	60	216754	304927	12:23	12:37	0:14	4	28 42.3N	088 15.8W
333	7/13/2010	2	2	216756	304929	12:34	12:40	0:06	1	28 42.3N	088 14.15W
334	7/13/2010	20	27	216775	304957	12:47	13:01	0:14	2	28 42.5N	088 13.9W
335	7/13/2010	3	4	216778	304960	13:08	13:13	0:05	1	28 42.16N	088 13.8W
336	7/13/2010	0	0	216778	304960	13:08	13:15	0:07	3	28 42.5N	088 13.4W
337	7/13/2010	20	28	216798	304988	13:20	13:36	0:16	4	28 41.8N	088 15.3W
338	7/13/2010	0	0	216798	304988	13:20	13:37	0:17	2	28 42.3N	088 13.7W
339	7/13/2010	32	44	216830	305032	13:28	13:55	0:27	1	28 42.1N	088 13.7W
340	7/13/2010	160	224	216989	305256	13:50	14:05	0:15	4	28 41.3N	088 14.7W
341	7/13/2010	66	92	217055	305349	14:54	15:17	0:23	7	28 41.93N	088 16.09W
342	7/13/2010	2	3	217058	305352	14:16	14:40	0:24	4	28 41.1N	088 14.4W
343	7/13/2010	1	1	217059	305353	15:16	15:29	0:13	4	28 40.8N	088 14.15W
344	7/13/2010	0	0	217059	305353	15:59	16:07	0:08	10	28 40.44N	088 16.26W
345	7/13/2010	75	105	217133	305457	16:21	16:53	0:32	7	28 39.98N	088 16.13W
346	7/13/2010	27	38	217161	305496	16:31	17:17	0:46	10	28 40.09N	088 16.51W
347	7/13/2010	67	93	217227	305589	16:33	16:56	0:23	4	28 40.27N	088 14.03W
348	7/13/2010	105	147	217332	305736	16:50	17:22	0:32	6	28 40.7N	088 17.18W
349	7/13/2010	18	25	217350	305760	17:17	17:29	0:12	4	28 39.9N	088 14.00W
350	7/13/2010	0	0	217350	305760	18:19	18:46	0:27	6	28 40.36N	088 17.85W
351	7/13/2010	435	609	217784	306369	18:28	19:00	0:32	7	28 40.15N	088 17.85W
352	7/14/2010	2	3	217787	306372	9:30	9:45	0:15	9	28 43.1N	088 14.7W
353	7/14/2010	54	75	217840	306448	10:20	10:40	0:20	77	28 41.3N	088 16.63W
354	7/14/2010	14	20	217854	306467	11:04	11:11	0:07	4	28 41.3N	088 16.1W
355	7/14/2010	81	114	217936	306581	10:21	11:03	0:42	7	28 43.3N	088 15.92W
356	7/14/2010	89	124	218024	306705	13:16	14:07	0:51	1	28 40.4N	088 15.14W
357	7/14/2010	0	0	218024	306705	12:30	12:58	0:28	7	28 43.04N	088 14.88W
358	7/14/2010	7	10	218031	306715	13:46	14:05	0:19	7	28 42.56N	088 14.62W
359	7/14/2010	0	0	218031	306715	13:40	13:58	0:18	10	28 39.58N	088 18.02W

360	7/14/2010	43	60	218074	306775	14:24	14:52	0:28	4	28 43.7N	088 17.6W
361	7/14/2010	22	31	218097	306807	14:45	15:00	0:15	3	28 44.1N	088 16.3W
362	7/14/2010	103	144	218200	306951	14:55	15:13	0:18	9	28 43.5N	088 18.9 W
363	7/14/2010	16	23	218216	306974	14:45	14:58	0:13	1	28 38.6N	088 14.8W
364	7/14/2010	12	17	218228	306991	14:29	14:39	0:10	6	28 41.55N	088 13.70W
365	7/14/2010	0	0	218228	306991	15:45	16:16	0:31	2	28 44.1N	088 17.3W
366	7/14/2010	20	28	218248	307018	17:07	17:34	0:27	9	28 42.3N	088 16.0W
367	7/14/2010	10	14	218258	307032	17:50	18:05	0:15	1	28 42.2N	088 16.2W
368	7/14/2010	48	67	218306	307100	18:00	18:18	0:18	4	28 41.7N	088 16.6W
369	7/14/2010	56	79	218362	307178	18:05	18:32	0:27	3	28 42.3N	088 16.7W
370	7/14/2010	42	59	218404	307237	19:12	19:50	0:38	3	28 41.5N	088 16.9W
371	7/14/2010	0	0	218404	307237	19:31	19:44	0:13	2	28 41.8N	088 17.6W
372	7/14/2010	10	13	218414	307250	19:31	19:46	0:15	9	28 41.0N	088 16.5W
373	7/14/2010	74	103	218488	307354	18:45	19:17	0:32	7	28 41.43N	088 16.69W
374	7/14/2010	18	25	218506	307379	19:24	19:38	0:14	4	28 41.8N	088 17.2W
375	7/14/2010	50	69	218555	307448	19:47	20:34	0:47	7	28 41.27N	088 17.26W
376	7/14/2010	77	107	218632	307555	19:58	20:10	0:12	5	28 41.11N	088 17.46W
377	7/14/2010	55	78	218687	307633	20:43	21:12	0:29	5	28'41.17N	088'19.54W
378	7/15/2010	19	26	218706	307659	13:25	13:50	0:25	7	28 40.662N	088 15.94W
379	7/15/2010	41	57	218747	307716	14:29	15:18	0:49	7	28 40.212N	088 15.84W
380	7/15/2010	0	0	218747	307716	15:07	15:25	0:18	8	28 39.5N	088 15.6W
381	7/15/2010	0	0	218747	307716	16:05	16:09	0:04	7	28 39.25N	088 16.18W
382	7/15/2010	27	37	218773	307754	16:45	17:26	0:41	7	28 36.43N	088 16.43W
383	7/15/2010	8	11	218781	307765	17:03	17:15	0:12	8	28 38.41N	088 16.71W
384	7/15/2010	0	0	218781	307765	18:40	18:51	0:11	8	28 37.3N	088 17.5W
385	7/15/2010	37	52	218818	307816	19:23	20:03	0:40	7	28 37.7N	088 17.6W
386	7/15/2010	79	110	218897	307927	19:25	20:00	0:35	8	28 37.52N	088 18.54W
387	7/15/2010	83	117	218980	308043	19:39	20:42	1:03	5	28 37.63N	088 18.69W
388	7/15/2010	0	0	218980	308043	17:30	18:15	0:45	3	28 41.15N	088 14.44W
389	7/15/2010	0	0	218980	308043	16:14	16:18	0:04	4	28 41.16N	088 14.44W
390	7/16/2010	7	10	218988	308054	9:30	9:43	0:13	4	28 51.5N	088 15.2W
391	7/16/2010	473	662	219461	308716	9:12	10:15	1:03	9	28 51.9N	088 15.78W
392	7/16/2010	56	79	219517	308795	10:43	11:15	0:32	4	28 51.5N	088 14.21W
393	7/16/2010	32	44	219548	308839	10:44	11:05	0:21	3	28 51.6N	088 14.4W
394	7/16/2010	21	30	219570	308868	12:51	13:21	0:30	10	28 51.13N	088 13.32W
395	7/16/2010	11	16	219581	308884	13:51	14:00	0:09	14	28 51.63N	088 12.51W
396	7/16/2010	0	0	219581	308884	13:07	13:14	0:07	3	28 51.0N	088 12.8W

397	7/16/2010	11	15	219592	308899	14:00	14:12	0:12	3	28 51.0N	088 12.6W
398	7/16/2010	1	1	219592	308900	14:07	14:27	0:20	9	28 51.7N	088 12.6W
399	7/16/2010	16	23	219609	308923	14:33	14:50	0:17	4	28 51.6N	088 12.9W
400	7/16/2010	63	89	219672	309012	14:06	14:46	0:40	10	28 50.97N	088 13.21W
401	7/16/2010	0	0	219672	309012	14:50	15:05	0:15	5	28 51.03N	088 13.54W
402	7/16/2010	0	0	219672	309012	14:37	14:47	0:10	7	28 50.50N	088 13.23W
403	7/16/2010	82	115	219754	309127	14:37	15:10	0:33	3	28 50.9N	088 12.6W
404	7/16/2010	55	78	219810	309204	15:44	15:55	0:11	4	28 50.6N	088 12.0W
405	7/16/2010	0	0	219810	309204	15:54	17:10	1:16	5	28 50.33N	088 12.62W
406	7/16/2010	13	18	219822	309222	16:02	16:12	0:10	3	28 51.1N	088 11.8W
407	7/16/2010	8	12	219830	309234	17:10	17:23	0:13	7	28 50.33N	088 12.62W
408	7/16/2010	50	70	219880	309304	17:36	17:53	0:17	10	28 50.42N	088 13.05W
409	7/17/2010	0	0	219880	309304	16:00	16:25	0:25	7	28 54.49N	088 13.49W
410	7/19/2010	106	148	219986	309452	11:09	11:43	0:34	3	29 03.1N	088 21.0W
411	7/19/2010	0	0	219986	309452	14:15	14:28	0:13	7	29 02.34N	088 23.76W