



2017 National Championship Indy

FA/P2

Indianapolis Motor Speedway 2.592 miles

FA/P2 Race

9/29/2017 09:35

Race (40:00 or 19 Laps) started at 9:38:47

Lap	Time of Day	Lap Tm	SPd	S1 Tm	S2 Tm	S3 Tm	Lap	Time of Day	Lap Tm	SPd	S1 Tm	S2 Tm	S3 Tm
(40) Keith Grant							4	9:45:05.795	1:32.400	147.420	47.442	18.176	26.782
1	9:40:23.212	1:35.832	134.630	50.984	18.387	26.461	5	9:46:37.755	1:31.960	148.161	47.645	18.007	26.308
2	9:41:55.470	1:32.258	147.789	48.068	18.042	26.148	6	9:48:10.542	1:32.787	149.665	47.682	18.320	26.785
3	9:43:27.566	1:32.096	148.534	47.624	18.154	26.318	7	9:49:43.978	1:33.436	153.164	47.879	18.530	27.027
4	9:45:00.177	1:32.611	148.161	47.235	19.042	26.334	8	9:51:17.303	1:33.325	145.241	48.982	17.920	26.423
5	9:46:32.888	1:32.711	149.665	48.660	17.889	26.162	9	9:52:51.020	1:33.717	147.420	48.219	19.315	26.183
6	9:48:05.950	1:33.062	149.665	47.587	18.659	26.816	10	9:54:22.660	1:31.640	147.052	47.368	17.989	26.283
7	9:49:39.608	1:33.658	151.200	48.294	18.525	26.839	11	9:55:56.444	1:33.784	150.046	49.341	18.168	26.275
8	9:51:11.816	1:32.208	145.600	47.992	17.981	26.235	12	9:57:29.588	1:33.144	147.420	48.790	17.862	26.492
9	9:52:43.562	1:31.746	150.813	47.831	17.771	26.144	13	9:59:01.699	1:32.111	147.789	47.791	18.039	26.281
10	9:54:15.004	1:31.442	147.052	47.210	18.018	26.214	14	10:00:35.533	1:33.834	150.813	49.087	18.679	26.068
11	9:55:47.211	1:32.207	147.052	47.575	18.554	26.078	15	10:02:07.772	1:32.239	146.687	48.062	17.936	26.241
12	9:57:20.177	1:32.966	148.534	48.655	17.942	26.369	16	10:03:40.094	1:32.322	147.420	47.575	18.546	26.201
13	9:58:51.542	1:31.365	148.534	47.497	17.904	25.964	17	10:05:12.657	1:32.563	147.052	47.733	18.646	26.184
14	10:00:23.561	1:32.019	153.563	47.555	17.953	26.511	18	10:06:47.099	1:34.442	151.200	48.511	18.741	27.190
15	10:01:56.415	1:32.854	147.420	47.359	18.608	26.887	19	10:08:21.763	1:34.664	148.534	50.282	18.156	26.226
16	10:03:29.203	1:32.788	147.420	47.630	18.835	26.323	(74) Dudley Fleck						
17	10:05:02.154	1:32.951	148.534	48.898	18.007	26.046	1	9:40:26.301	1:38.502	133.111	53.068	18.567	26.867
18	10:06:35.510	1:33.356	149.286	48.472	18.531	26.353	2	9:41:59.240	1:32.939	146.687	48.554	18.260	26.125
19	10:08:08.900	1:33.390	146.323	48.341	18.602	26.447	3	9:43:31.753	1:32.513	147.789	48.180	18.095	26.238
(17) Sedat Yelkin							4	9:45:04.820	1:33.067	147.789	48.030	18.313	26.724
1	9:40:22.782	1:35.416	134.018	50.566	18.135	26.715	5	9:46:37.303	1:32.483	146.687	48.078	18.173	26.232
2	9:41:55.153	1:32.371	144.176	48.111	17.890	26.370	6	9:48:10.243	1:32.940	147.052	47.926	18.285	26.729
3	9:43:27.005	1:31.852	143.824	47.659	17.954	26.239	7	9:49:44.606	1:34.363	148.534	48.851	18.573	26.939
4	9:44:59.714	1:32.709	145.960	47.361	19.055	26.293	8	9:51:18.625	1:34.019	147.420	49.146	18.368	26.505
5	9:46:32.515	1:32.801	147.052	48.692	17.816	26.293	9	9:52:52.043	1:33.418	147.789	47.804	19.246	26.368
6	9:48:05.588	1:33.073	147.420	47.797	18.661	26.615	10	9:54:24.388	1:32.345	148.161	48.040	18.141	26.164
7	9:49:40.159	1:34.571	147.789	48.104	18.977	27.490	11	9:55:57.213	1:32.825	148.534	48.319	18.271	26.235
8	9:51:13.034	1:32.875	148.161	48.061	18.500	26.314	12	9:57:30.580	1:33.367	148.909	48.703	18.430	26.234
9	9:52:45.222	1:32.188	148.534	47.943	17.883	26.362	13	9:59:04.584	1:34.004	149.286	47.671	19.727	26.606
10	9:54:16.713	1:31.491	148.161	47.112	18.480	25.899	14	10:00:38.017	1:33.433	147.420	48.116	19.033	26.284
11	9:55:48.397	1:31.684	148.909	47.652	18.061	25.971	15	10:02:14.037	1:36.020	149.286	48.862	20.613	26.545
12	9:57:21.165	1:32.768	148.909	48.089	18.034	26.645	16	10:03:46.869	1:32.832	145.960	48.333	18.280	26.219
13	9:58:54.699	1:33.534	149.665	48.949	18.194	26.391	17	10:05:22.031	1:35.162	152.372	49.494	18.597	27.071
14	10:00:27.548	1:32.849	148.909	47.931	18.484	26.434	18	10:06:55.019	1:32.988	146.323	48.606	18.202	26.180
15	10:01:59.790	1:32.242	149.665	48.115	17.985	26.142	19	10:08:32.627	1:37.608	150.813	51.163	18.479	27.966
16	10:03:32.093	1:32.303	150.046	47.807	18.173	26.323	(48) Lee Alexander						
17	10:05:05.361	1:33.268	148.909	48.360	18.548	26.360	1	9:40:28.529	1:40.682	133.714	53.949	19.909	26.824
18	10:06:39.159	1:33.798	148.534	48.802	18.686	26.310	2	9:42:03.010	1:34.481	149.286	49.156	18.979	26.346
19	10:08:12.117	1:32.958	147.052	48.263	18.162	26.533	3	9:43:36.404	1:33.394	149.665	48.242	18.899	26.253
(34) Spencer Brockman							4	9:45:09.499	1:33.095	149.665	48.286	18.657	26.152
1	9:40:24.853	1:37.227	135.248	51.894	18.841	26.492	5	9:46:46.286	1:36.787	148.909	48.405	19.913	28.469
2	9:41:57.777	1:32.924	146.687	48.297	18.461	26.166	6	9:48:19.687	1:33.401	148.161	48.283	18.667	26.451
3	9:43:30.022	1:32.245	148.534	47.812	18.369	26.064	7	9:49:54.028	1:34.341	149.286	48.021	19.450	26.870
4	9:45:02.111	1:32.089	146.687	47.616	18.336	26.137	8	9:51:28.326	1:34.298	149.286	48.791	18.723	26.784
5	9:46:35.095	1:32.984	146.687	48.513	18.423	26.048	9	9:53:02.245	1:33.919	150.813	48.351	19.036	26.532
6	9:48:08.444	1:33.349	146.323	47.462	19.081	26.806	10	9:54:36.916	1:34.671	151.200	48.650	19.521	26.500
7	9:49:41.569	1:33.125	150.046	47.745	19.189	26.191	11	9:56:10.811	1:33.895	148.909	48.558	18.795	26.542
8	9:51:13.995	1:32.426	149.286	48.103	18.294	26.029	12	9:57:47.309	1:36.498	151.979	50.293	19.730	26.475
9	9:52:46.476	1:32.481	147.420	47.894	18.306	26.281	13	9:59:25.469	1:38.160	150.813	51.053	20.572	26.535
10	9:54:18.139	1:31.663	147.052	47.418	18.327	25.918	14	10:01:00.115	1:34.646	147.789	48.796	18.805	27.045
11	9:55:51.200	1:33.061	147.420	48.217	18.181	26.663	15	10:02:33.622	1:33.507	147.420	48.303	18.831	26.373
12	9:57:23.320	1:32.120	146.323	47.642	18.545	25.933	16	10:04:08.194	1:34.572	150.046	49.385	18.947	26.240
13	9:58:55.789	1:32.469	151.589	48.069	18.337	26.063	17	10:05:41.804	1:33.610	147.420	48.437	18.724	26.449
14	10:00:28.139	1:32.350	149.665	47.549	18.452	26.349	18	10:07:15.276	1:33.472	148.909	48.179	18.724	26.569
15	10:02:00.405	1:32.266	148.534	47.863	18.384	26.019	19	10:08:51.541	1:36.265	148.909	49.224	18.870	28.171
16	10:03:32.691	1:32.286	148.534	47.790	18.439	26.057	(10) Dwight Rider						
17	10:05:05.897	1:33.206	149.665	48.695	18.510	26.001	1	9:40:29.537	1:41.563	133.714	53.999	20.151	27.413
18	10:06:39.372	1:33.475	150.046	48.681	18.566	26.228	2	9:42:04.244	1:34.707	144.176	49.041	18.955	26.711
19	10:08:12.205	1:32.833	150.813	48.478	18.275	26.080	3	9:43:38.125	1:33.881	144.885	48.670	18.663	26.548
(82) Matt Miller							4	9:45:12.236	1:34.111	144.885	48.751	18.593	26.767
1	9:40:26.086	1:38.390	134.630	52.246	19.018	27.126	5	9:46:46.744	1:34.508	143.824	48.962	18.415	27.131
2	9:42:00.502	1:34.416	142.092	49.222	18.458	26.736	6	9:48:20.391	1:33.647	144.885	48.363	18.486	26.798
3	9:43:33.395	1:32.893	147.420	47.998	18.403	26.492	7	9:49:54.689	1:34.298	144.885	48.214	19.222	26.862
							8	9:51:28.796	1:34.107	145.960	49.089	18.198	26.820

Bill Skibbe Chief of Timing & Scoring

Orbits

Costa Dunias Chief Steward

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2017 National Championship Indy

FA/P2

Indianapolis Motor Speedway 2.592 miles

FA/P2 Race

9/29/2017 09:35

Race (40:00 or 19 Laps) started at 9:38:47

Lap	Time of Day	Lap Tm	SPd	S1 Tm	S2 Tm	S3 Tm
9	9:53:03.377	1:34.581	144.529	48.640	18.862	27.079
10	9:54:38.625	1:35.248	144.885	49.753	18.743	26.752
11	9:56:18.126	1:39.501	143.824	53.127	19.044	27.330
12	9:57:51.310	1:33.184	143.474	48.115	18.757	26.312
13	9:59:26.328	1:35.018	144.885	48.881	19.488	26.649
14	10:01:00.640	1:34.312	144.529	48.921	18.362	27.029
15	10:02:34.756	1:34.116	144.885	48.362	18.820	26.934
16	10:04:09.124	1:34.368	144.176	48.852	18.877	26.639
17	10:05:42.924	1:33.800	143.824	48.165	18.839	26.796
18	10:07:15.900	1:32.976	144.529	47.810	18.616	26.550
19	10:08:52.082	1:36.182	145.600	48.918	19.123	28.141

Lap	Time of Day	Lap Tm	SPd	S1 Tm	S2 Tm	S3 Tm
14	10:01:53.804	1:36.811	143.474	50.240	18.881	27.690
15	10:03:30.796	1:36.992	142.780	50.052	18.858	28.082
16	10:05:09.248	1:38.452	144.529	50.642	19.535	28.275
17	10:06:48.113	1:38.865	143.824	49.700	20.488	28.677
18	10:08:26.498	1:38.385	145.600	50.636	19.594	28.155

(83) Greg Gyann

1	9:40:56.588	1:39.146	130.749	52.809	18.902	27.435
2	9:42:34.043	1:37.455	144.885	50.869	18.962	27.624
3	9:44:10.527	1:36.484	136.500	50.132	18.904	27.448
4	9:45:46.139	1:35.612	144.529	49.581	18.735	27.296
5	9:47:22.621	1:36.482	143.824	49.987	18.850	27.645
6	9:48:58.593	1:35.972	143.824	49.802	18.831	27.339
7	9:50:38.610	1:40.017	145.600	51.239	20.952	27.826
8	9:52:15.237	1:36.627	143.824	50.103	19.006	27.518
9	9:53:51.652	1:36.415	143.824	50.102	18.840	27.473
10	9:55:28.655	1:37.003	143.126	50.183	18.865	27.955
11	9:57:04.747	1:36.092	143.126	49.758	18.991	27.343
12	9:58:42.377	1:37.630	143.824	49.649	20.285	27.696
13	10:00:20.174	1:37.797	144.885	50.429	19.903	27.465
14	10:01:57.540	1:37.366	144.176	50.490	18.957	27.919
15	10:03:34.247	1:36.707	144.529	49.876	19.474	27.357
16	10:05:11.786	1:37.539	144.529	50.851	19.012	27.676
17	10:06:52.833	1:41.047	144.885	51.240	19.117	30.690
18	10:08:32.694	1:39.861	143.474	51.033	19.665	29.163

(3) Sherman Chao

1	9:40:58.125	1:40.457	127.361	53.409	19.388	27.660
2	9:42:34.468	1:36.343	144.529	49.805	19.012	27.526
3	9:44:11.198	1:36.730	136.500	50.310	19.068	27.352
4	9:45:47.125	1:35.927	142.780	49.743	19.090	27.094
5	9:47:23.777	1:36.652	146.323	49.907	18.925	27.820
6	9:49:00.932	1:37.155	145.600	50.288	19.358	27.509
7	9:50:41.493	1:40.561	145.241	51.153	21.413	27.995
8	9:52:18.460	1:36.967	145.960	49.975	19.657	27.335
9	9:53:55.649	1:37.189	145.600	50.187	19.266	27.736
10	9:55:33.114	1:37.465	145.241	50.474	19.138	27.853
11	9:57:12.154	1:39.040	145.960	51.939	19.408	27.693
12	9:58:49.021	1:36.867	145.241	50.556	19.039	27.272
13	10:00:27.037	1:38.016	145.960	51.200	19.295	27.521
14	10:02:04.794	1:37.757	145.600	51.211	19.285	27.261
15	10:03:43.406	1:38.612	146.323	51.723	19.270	27.619
16	10:05:23.817	1:40.411	146.323	50.382	19.509	30.520
17	10:07:01.756	1:37.939	144.529	50.176	19.204	28.559
18	10:08:39.572	1:37.816	145.600	50.630	19.451	27.735

(55) Jake Thielmann

1	9:40:59.925	1:41.936	134.938	54.201	20.181	27.554
2	9:42:37.451	1:37.526	148.161	50.402	19.687	27.437
3	9:44:14.075	1:36.624	147.052	49.711	19.471	27.442
4	9:45:50.651	1:36.576	148.534	49.652	19.367	27.557
5	9:47:26.911	1:36.260	148.909	49.578	19.198	27.484
6	9:49:03.940	1:37.029	150.429	49.947	19.595	27.487
7	9:50:43.268	1:39.328	148.161	50.797	20.715	27.816
8	9:52:20.477	1:37.209	149.665	49.867	19.628	27.714
9	9:53:57.536	1:37.059	148.161	50.039	19.470	27.550
10	9:55:35.511	1:37.975	148.534	50.656	19.486	27.833
11	9:57:14.034	1:38.523	148.534	50.494	20.211	27.818
12	9:58:51.171	1:37.137	148.161	50.250	19.335	27.552
13	10:00:28.990	1:37.819	148.161	50.133	19.738	27.948
14	10:02:07.777	1:38.787	150.046	51.213	19.792	27.782
15	10:03:46.474	1:38.697	147.420	50.935	19.811	27.951
16	10:05:25.094	1:38.620	147.789	50.761	19.998	27.861
17	10:07:03.012	1:37.918	149.286	50.040	20.063	27.815
18	10:08:40.239	1:37.227	149.665	49.956	19.343	27.928

(11) Scott Rettich

1	9:41:00.508	1:42.147	134.323	54.060	20.238	27.849
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(32) Kirk Kindsfater

1	9:40:30.279	1:41.957	119.854	55.334	19.453	27.170
2	9:42:06.611	1:36.332	145.960	49.856	19.396	27.080
3	9:43:42.052	1:35.441	144.885	49.203	19.285	26.953
4	9:45:17.200	1:35.148	143.474	49.360	18.919	26.869
5	9:46:52.604	1:35.404	143.474	49.368	19.056	26.980
6	9:48:29.837	1:37.233	144.176	51.735	18.491	27.007
7	9:50:05.690	1:35.853	143.474	50.324	18.670	26.859
8	9:51:41.541	1:35.851	143.474	48.646	19.927	27.278
9	9:53:15.845	1:34.304	145.600	49.337	18.224	26.743
10	9:54:52.161	1:36.316	145.241	49.182	19.756	27.378
11	9:56:27.575	1:35.414	146.687	50.003	18.564	26.847
12	9:58:00.715	1:33.140	143.474	48.008	18.349	26.783
13	9:59:37.221	1:36.506	144.885	51.276	18.539	26.691
14	10:01:11.411	1:34.190	143.824	48.932	18.481	26.777
15	10:02:44.720	1:33.309	146.687	48.010	18.586	26.713
16	10:04:18.444	1:33.724	143.126	48.168	18.474	27.082
17	10:05:54.101	1:35.657	147.052	50.182	18.667	26.808
18	10:07:27.636	1:33.535	142.435	48.257	18.450	26.828
19	10:09:04.232	1:36.596	142.092	48.878	20.444	27.274

(28) Jeff Shafer

1	9:40:52.814	1:35.762	133.111	51.075	18.133	26.554
2	9:42:25.620	1:32.806	146.687	48.157	18.104	26.545
3	9:43:58.101	1:32.481	147.420	47.973	18.076	26.432
4	9:45:32.974	1:34.873	148.161	48.151	19.868	26.854
5	9:47:06.526	1:33.552	145.960	48.525	18.234	26.793
6	9:48:40.950	1:34.424	149.665	49.729	18.263	26.432
7	9:50:15.975	1:35.025	147.789	50.269	18.152	26.604
8	9:51:49.288	1:33.313	148.161	48.348	18.266	26.699
9	9:53:24.761	1:35.473	148.909	49.879	18.487	27.107
10	9:54:58.828	1:34.067	146.323	48.894	18.466	26.707
11	9:56:34.530	1:35.702	149.286	48.686	19.442	27.574
12	9:58:08.952	1:34.422	148.534	48.476	18.330	27.616
13	9:59:42.797	1:33.845	147.789	48.205	19.083	26.557
14	10:01:17.573	1:34.776	149.665	49.389	18.204	27.183
15	10:02:51.654	1:34.081	149.286	49.004	18.323	26.754
16	10:04:25.067	1:33.413	148.534	48.479	18.265	26.669
17	10:05:59.835	1:34.768	148.909	49.756	18.304	26.708
18	10:07:34.255	1:34.420	150.046	49.432	18.431	26.557
19	10:09:08.092	1:33.837	149.665	48.863	18.255	26.719

(8) Tim Day Jr

1	9:40:56.337	1:39.001	131.919	52.566	18.763	27.672
2	9:42:33.977	1:37.640	141.750	50.892	18.992	27.756
3	9:44:09.849	1:35.872	141.410	49.699	18.740	27.433
4	9:45:45.731	1:35.882	142.435	49.774	18.893	27.215
5	9:47:21.907	1:36.176	142.780	50.114	18.777	27.285
6	9:48:58.162	1:36.255	143.126	49.862	19.037	27.356
7	9:50:40.955	1:42.793	144.176	53.398	21.737	27.658
8	9:52:16.819	1:35.864	143.824	49.609	18.651	27.604
9	9:53:52.439	1:35.620	145.600	49.593	18.719	27.308
10	9:55:29.399	1:36.960	145.960	49.919	18.846	28.195
11	9:57:05.387	1:35.988	143.126	49.806	18.891	27.291
12	9:58:41.022	1:35.635	145.241	49.188	19.098	27.349
13	10:00:16.993	1:35.971	143.126	49.617	18.884	27.470

Bill Skibbe Chief of Timing & Scoring

Orbits

Costa Dunias Chief Steward



2017 National Championship Indy

FA/P2

Indianapolis Motor Speedway 2.592 miles

FA/P2 Race

9/29/2017 09:35

Race (40:00 or 19 Laps) started at 9:38:47

Lap	Time of Day	Lap Tm	SPd	S1 Tm	S2 Tm	S3 Tm	Lap	Time of Day	Lap Tm	SPd	S1 Tm	S2 Tm	S3 Tm
2	9:42:38.412	1:37.904	148.534	50.924	19.528	27.452	10	9:56:09.976	1:37.767	146.687	50.592	19.917	27.258
3	9:44:15.642	1:37.230	147.052	50.136	19.444	27.650	11	9:57:48.180	1:38.204	148.161	50.934	19.656	27.614
4	9:45:52.559	1:36.917	147.789	50.028	19.475	27.414	12	9:59:27.484	1:39.304	148.534	50.862	20.670	27.772
5	9:47:30.714	1:38.155	146.687	51.141	19.563	27.451	13	10:01:04.509	1:37.025	148.534	49.853	19.477	27.695
6	9:49:08.142	1:37.428	147.052	50.308	19.571	27.549	14	10:02:41.117	1:36.608	142.435	50.180	19.419	27.009
7	9:50:45.917	1:37.775	147.052	50.479	19.835	27.461	15	10:04:17.804	1:36.687	146.687	49.996	19.714	26.977
8	9:52:23.917	1:38.000	147.420	50.525	19.641	27.834	16	10:05:57.646	1:39.842	147.789	53.089	19.292	27.461
9	9:54:02.875	1:38.958	149.286	50.646	20.250	28.062	17	10:07:33.141	1:35.495	147.052	49.564	19.058	26.873
10	9:55:41.003	1:38.128	145.960	50.654	19.653	27.821	18	10:09:09.897	1:36.756	146.323	50.306	19.335	27.115
11	9:57:20.309	1:39.306	145.960	50.629	20.684	27.993							
12	9:58:59.154	1:38.845	142.435	51.214	19.869	27.762	(51) Larry Howard						
13	10:00:37.238	1:38.084	147.789	50.574	19.643	27.867	1	9:40:35.977	1:47.158	118.887	57.479	20.926	28.753
14	10:02:15.595	1:38.357	147.789	50.839	19.589	27.929	2	9:42:16.345	1:40.368	147.052	51.646	20.583	28.139
15	10:03:53.368	1:37.773	144.885	50.684	19.530	27.559	3	9:43:55.076	1:38.731	147.420	50.837	20.259	27.635
16	10:05:31.326	1:37.958	146.687	50.503	19.743	27.712	4	9:45:34.702	1:39.626	148.534	50.970	20.336	28.320
17	10:07:09.231	1:37.905	147.052	50.502	19.601	27.802	5	9:47:17.022	1:42.320	147.420	53.818	20.279	28.223
18	10:08:48.427	1:39.196	145.960	51.256	19.968	27.972	6	9:48:57.429	1:40.407	143.474	51.849	20.206	28.352
(99) Lucian Pancea							7	9:50:41.920	1:44.491	145.960	53.570	21.948	28.973
1	9:40:57.190	1:39.331	130.172	52.964	18.840	27.527	8	9:52:25.217	1:43.297	148.161	51.780	20.436	31.081
2	9:42:35.185	1:37.995	143.474	51.140	18.989	27.866	9	9:54:05.354	1:40.137	146.323	51.477	20.623	28.037
3	9:44:12.311	1:37.126	141.750	50.114	18.933	28.079	10	9:55:45.733	1:40.379	145.960	52.020	20.194	28.165
4	9:45:49.360	1:37.049	141.750	50.180	19.104	27.765	11	9:57:30.406	1:44.673	145.960	54.572	21.205	28.896
5	9:47:26.449	1:37.089	141.072	50.284	19.091	27.714	12	9:59:11.611	1:41.205	147.789	51.730	20.670	28.805
6	9:49:04.930	1:38.481	140.735	50.991	19.559	27.931	13	10:00:51.407	1:39.796	144.885	51.661	20.232	27.903
7	9:50:44.474	1:39.544	142.092	51.215	20.080	28.249	14	10:02:32.956	1:41.549	145.600	51.534	21.228	28.787
8	9:52:23.355	1:38.881	142.092	50.783	19.694	28.404	15	10:04:15.997	1:43.041	143.474	53.786	20.871	28.384
9	9:54:03.619	1:40.264	142.092	51.717	19.926	28.621	16	10:05:58.758	1:42.761	142.092	52.480	21.164	29.117
10	9:55:41.758	1:38.139	142.435	50.716	19.182	28.241	17	10:07:40.144	1:41.386	144.176	52.811	20.484	28.091
11	9:57:22.690	1:40.932	141.750	50.501	20.817	29.614	18	10:09:20.919	1:40.775	141.750	52.109	20.464	28.202
12	9:59:00.829	1:38.139	142.092	51.432	18.787	27.920	(07) Thomas Kaufman						
13	10:00:39.977	1:39.148	142.435	51.391	19.654	28.103	1	9:41:06.470	1:47.122	117.000	57.540	20.627	28.955
14	10:02:17.388	1:37.411	141.750	50.378	19.033	28.000	2	9:42:48.163	1:41.693	140.067	52.687	20.179	28.827
15	10:03:54.210	1:36.822	142.092	50.043	18.969	27.810	3	9:44:29.544	1:41.381	140.400	52.742	19.947	28.692
16	10:05:32.170	1:37.960	142.435	50.287	19.461	28.212	4	9:46:10.149	1:40.605	140.067	52.086	20.175	28.344
17	10:07:11.146	1:38.976	142.435	50.396	19.265	29.315	5	9:47:51.407	1:41.258	139.735	52.246	20.329	28.683
18	10:08:51.692	1:40.546	142.780	51.783	19.865	28.898	6	9:49:33.172	1:41.765	139.404	52.337	20.552	28.876
(38) Mike Davies							7	9:51:14.312	1:41.140	139.735	52.067	20.291	28.782
1	9:41:01.247	1:42.944	133.111	55.132	20.505	27.307	8	9:52:55.274	1:40.962	145.241	51.766	20.289	28.907
2	9:42:38.920	1:37.673	148.909	50.643	19.799	27.231	9	9:54:36.965	1:41.691	141.410	52.936	20.158	28.597
3	9:44:16.167	1:37.247	151.589	50.375	19.506	27.366	10	9:56:18.988	1:42.023	142.435	52.538	20.078	29.407
4	9:45:52.849	1:36.682	150.813	49.940	19.574	27.168	11	9:57:59.591	1:40.603	141.072	51.926	19.912	28.765
5	9:47:29.465	1:36.616	151.979	49.853	19.653	27.110	12	9:59:41.463	1:41.872	139.404	52.524	20.437	28.911
6	9:49:06.369	1:36.904	149.286	49.931	19.709	27.264	13	10:01:22.114	1:40.651	141.072	52.116	19.901	28.634
7	9:50:44.598	1:38.229	149.665	50.531	20.409	27.289	14	10:03:04.155	1:42.041	141.410	53.000	20.304	28.737
8	9:52:22.425	1:37.827	150.046	50.289	19.697	27.841	15	10:04:45.393	1:41.238	139.735	52.172	20.258	28.808
9	9:53:59.415	1:36.990	149.665	50.166	19.684	27.140	16	10:06:26.537	1:41.144	138.423	52.156	20.233	28.755
10	9:55:36.426	1:37.011	150.429	50.272	19.641	27.098	17	10:08:08.508	1:41.971	138.748	52.750	20.229	28.992
11	9:57:26.601	1:50.175	150.429	50.412	31.978	27.785	18	10:09:52.992	1:44.484	124.405	54.201	20.709	29.574
12	9:59:06.021	1:39.420	148.909	51.111	20.811	27.498	(18) Ross Wolf						
13	10:00:43.043	1:37.022	150.046	50.036	19.820	27.166	1	9:41:03.554	1:44.715	124.405	55.339	20.210	29.166
14	10:02:20.958	1:37.915	149.286	50.137	19.692	28.086	2	9:42:44.154	1:40.600	131.625	51.960	19.698	28.942
15	10:03:58.791	1:37.833	144.885	50.396	19.876	27.561	3	9:44:35.486	1:51.332	131.040	1:01.354	20.296	29.682
16	10:05:36.657	1:37.866	148.161	50.274	20.095	27.497	4	9:46:17.619	1:42.133	132.512	52.450	20.703	28.980
17	10:07:15.430	1:38.773	148.534	50.696	20.101	27.976	5	9:47:59.592	1:41.973	130.460	52.054	20.835	29.084
18	10:08:56.447	1:41.017	149.286	52.262	20.207	28.548	6	9:49:41.954	1:42.362	129.033	52.090	19.877	30.395
(98) Charles C. Duncan							7	9:51:23.085	1:41.131	131.040	52.040	19.988	29.103
1	9:40:35.060	1:46.759	137.135	56.146	22.152	28.461	8	9:53:05.172	1:42.087	128.751	52.341	20.165	29.581
2	9:42:14.543	1:39.483	146.687	51.416	20.175	27.892	9	9:54:46.579	1:41.407	129.600	52.215	19.919	29.273
3	9:43:52.217	1:37.674	145.241	50.381	20.080	27.213	10	9:56:28.216	1:41.637	130.172	52.815	19.780	29.042
4	9:45:29.343	1:37.126	145.960	50.327	19.475	27.324	11	9:58:09.431	1:41.215	131.040	52.499	19.941	28.775
5	9:47:06.203	1:36.860	145.241	50.066	19.591	27.203	12	9:59:50.530	1:41.099	131.040	51.946	20.010	29.143
6	9:48:44.781	1:38.578	147.052	51.536	19.783	27.259	13	10:01:32.129	1:41.599	128.751	52.332	20.032	29.235
7	9:51:11.218	2:26.437	147.052	50.814	1:06.816	28.807	14	10:03:14.133	1:42.004	128.751	52.718	20.025	29.261
8	9:52:54.233	1:43.015	146.323	53.921	20.465	28.629	15	10:04:58.210	1:44.077	129.600	52.529	19.744	31.804
9	9:54:32.209	1:37.976	148.161	50.809	19.685	27.482	16	10:06:39.781	1:41.571	128.751	52.392	20.353	28.826
							17	10:08:21.123	1:41.342	129.885	52.388	19.914	29.040

Bill Skibbe Chief of Timing & Scoring

Orbits

Costa Dunias Chief Steward</



2017 National Championship Indy

FA/P2

Indianapolis Motor Speedway 2.592 miles

FA/P2 Race

9/29/2017 09:35

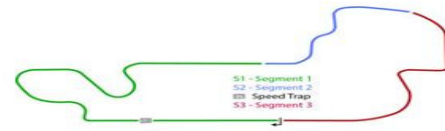
Race (40:00 or 19 Laps) started at 9:38:47

Lap	Time of Day	Lap Tm	SPd	S1 Tm	S2 Tm	S3 Tm	Lap	Time of Day	Lap Tm	SPd	S1 Tm	S2 Tm	S3 Tm
(65) William B Niemeier Jr							10	9:56:35.563	1:42.992	138.748	53.203	20.385	29.404
1	9:41:06.236	1:47.483	110.427	57.787	20.696	29.000	11	9:58:17.423	1:41.860	139.075	52.769	19.979	29.112
2	9:42:47.843	1:41.607	144.176	52.600	20.080	28.927	12	9:59:58.774	1:41.351	138.423	52.614	19.867	28.870
3	9:44:30.985	1:43.142	141.750	52.838	21.195	29.109	13	10:01:39.881	1:41.107	138.748	52.336	19.800	28.971
4	9:46:13.091	1:42.106	142.435	52.613	20.681	28.812	14	10:03:20.457	1:40.576	139.075	52.413	19.655	28.508
5	9:47:55.621	1:42.530	141.410	52.411	21.119	29.000	15	10:05:01.512	1:41.055	139.735	52.273	19.850	28.932
6	9:49:37.059	1:41.438	141.410	52.236	20.503	28.699	16	10:06:45.207	1:43.695	140.735	53.586	20.998	29.111
7	9:51:19.102	1:42.043	141.750	53.062	20.390	28.591	17	10:08:46.203	2:00.996	140.400	52.735	20.470	47.791
8	9:53:01.300	1:42.198	143.474	52.438	20.805	28.955	(109) Robert Iversen						
9	9:54:45.294	1:43.994	141.410	54.350	20.582	29.062	1	9:41:12.841	1:52.862	111.051	1:01.467	21.666	29.729
10	9:56:27.703	1:42.409	142.092	53.156	20.479	28.774	2	9:42:57.208	1:44.367	144.176	53.790	21.173	29.404
11	9:58:10.731	1:43.028	143.126	52.543	21.096	29.389	3	9:44:41.425	1:44.217	144.529	53.276	20.992	29.949
12	9:59:53.649	1:42.918	142.780	52.719	20.509	29.690	4	9:46:25.117	1:43.692	144.885	52.959	21.317	29.416
13	10:01:35.624	1:41.993	141.410	52.204	20.621	29.168	5	9:48:08.896	1:43.779	142.435	52.572	20.931	30.276
14	10:03:18.299	1:42.657	141.072	53.137	20.639	28.881	6	9:49:54.087	1:45.191	142.092	55.033	20.919	29.239
15	10:05:00.763	1:42.464	141.750	52.341	20.487	29.636	7	9:51:41.316	1:47.229	142.435	53.415	23.711	30.103
16	10:06:44.815	1:44.052	140.735	53.591	21.396	29.065	8	9:53:24.543	1:43.227	142.435	53.277	20.663	29.287
17	10:08:27.827	1:43.012	142.092	52.750	20.540	29.722	9	9:55:06.959	1:42.416	143.126	52.800	20.447	29.169
(46) Jim Hallman							10	9:56:49.201	1:42.242	142.780	52.702	20.328	29.212
1	9:41:07.565	1:48.031	114.724	58.361	20.298	29.372	11	9:58:31.824	1:42.623	142.435	52.490	20.242	29.891
2	9:42:50.488	1:42.923	134.630	52.859	20.512	29.552	12	10:00:14.272	1:42.448	140.067	53.075	20.310	29.063
3	9:44:35.479	1:44.991	134.630	53.280	21.589	30.122	13	10:01:59.356	1:45.084	142.092	53.047	21.320	30.717
4	9:46:19.224	1:43.745	132.512	53.988	20.302	29.455	14	10:03:43.206	1:43.850	143.126	53.670	20.988	29.192
5	9:48:01.540	1:42.316	132.811	52.488	20.163	29.665	15	10:05:27.470	1:44.264	142.092	52.901	21.887	29.476
6	9:49:46.226	1:44.686	134.630	54.124	20.841	29.721	16	10:07:10.792	1:43.322	143.126	52.933	20.422	29.967
7	9:51:29.051	1:42.825	127.913	53.365	20.448	29.012	17	10:09:07.239	1:56.447	143.824	1:04.251	21.957	30.239
8	9:53:11.428	1:42.377	121.584	53.076	20.278	29.023	(79) Mark L. Schnell						
9	9:54:54.915	1:43.487	138.423	54.833	20.054	28.600	1	9:41:18.091	1:56.324	110.634	1:02.888	22.462	30.974
10	9:56:37.921	1:43.006	137.135	51.979	20.526	30.501	2	9:43:06.341	1:48.250	139.075	55.730	22.062	30.458
11	9:58:19.777	1:41.856	136.817	52.536	20.253	29.067	3	9:44:56.942	1:50.601	131.332	57.469	22.457	30.675
12	10:00:01.980	1:42.203	137.455	52.549	20.566	29.088	4	9:46:50.396	1:53.454	117.936	59.136	23.473	30.845
13	10:01:42.569	1:40.589	137.776	52.083	19.678	28.828	5	9:48:39.118	1:48.722	137.776	56.529	21.904	30.289
14	10:03:22.470	1:39.901	138.098	51.934	19.419	28.548	6	9:50:28.710	1:49.592	136.185	55.924	22.909	30.759
15	10:05:01.712	1:39.242	138.423	51.371	19.316	28.555	7	9:52:16.275	1:47.565	137.135	54.987	21.988	30.590
16	10:06:45.358	1:43.646	129.885	54.176	20.598	28.872	8	9:54:05.437	1:49.162	138.098	56.508	22.160	30.494
17	10:08:31.951	1:46.593	136.185	53.321	20.270	33.002	9	9:55:53.373	1:47.936	136.817	55.400	22.304	30.232
(25) Vaughan Scott							10	9:57:42.232	1:48.859	140.400	56.725	21.833	30.301
1	9:41:09.534	1:49.417	108.998	59.137	21.044	29.236	11	9:59:30.826	1:48.594	138.423	55.495	21.739	31.360
2	9:42:52.158	1:42.624	136.817	52.789	20.861	28.974	12	10:01:19.533	1:48.707	139.404	56.196	22.056	30.455
3	9:44:36.097	1:43.939	135.248	53.713	20.638	29.588	13	10:03:08.679	1:49.146	138.098	57.022	21.710	30.414
4	9:46:19.633	1:43.536	129.600	54.153	20.378	29.005	14	10:04:58.479	1:49.800	138.098	54.768	22.563	32.469
5	9:48:02.168	1:42.535	134.938	53.420	20.359	28.756	15	10:06:52.889	1:54.410	127.361	59.101	22.804	32.505
6	9:49:46.549	1:44.381	135.559	53.869	20.992	29.520	16	10:08:45.920	1:53.031	133.714	57.602	23.259	32.170
7	9:51:28.597	1:42.048	132.215	52.836	20.344	28.868	(85) Charlie DiPasquale						
8	9:53:11.324	1:42.727	137.776	53.062	20.466	29.199	1	9:41:05.804	1:47.156				
9	9:54:53.583	1:42.259	138.098	52.863	20.347	29.049	2	9:42:49.058	1:43.254				
10	9:56:37.520	1:43.937	137.776	52.825			3	9:44:34.876	1:45.818				
11	9:58:19.372	1:41.852	134.938	52.450	20.536	28.866	4	9:46:16.761	1:41.885				
12	10:00:01.120	1:41.748	135.559	52.480	20.510	28.758	5	9:48:00.554	1:43.793				
13	10:01:43.353	1:42.233	136.500	53.000	20.575	28.658	6	9:49:45.521	1:44.967				
14	10:03:25.893	1:42.540	139.075	52.792	20.958	28.790	7	9:51:46.318	2:00.797				
15	10:05:10.005	1:44.112	133.412	52.879	21.494	29.739	8	9:53:36.973	1:50.655				
16	10:06:54.016	1:44.011	140.067	54.285	20.862	28.864	9	9:55:29.266	1:52.293				
17	10:08:38.385	1:44.369	135.871	54.390	20.480	29.499	10	9:57:18.691	1:49.425				
(64) Dave Tweedie							11	9:59:12.927	1:54.236				
1	9:41:08.977	1:49.619	127.361	59.156	20.913	29.550	12	10:01:04.396	1:51.469				
2	9:42:51.250	1:42.273	140.735	52.902	20.264	29.107	13	10:02:54.424	1:50.028				
3	9:44:35.631	1:44.381	141.750	53.901	20.514	29.966	14	10:04:46.682	1:52.258				
4	9:46:18.286	1:42.655	138.098	53.590	20.110	28.955	15	10:06:53.860	2:07.178				
5	9:48:00.465	1:42.179	139.404	52.905	20.174	29.100	16	10:09:00.769	2:06.909				
6	9:49:45.355	1:44.890	139.075	53.905	20.915	30.070	(37) David William O'Leary						
7	9:51:27.321	1:41.966	137.455	52.734	20.097	29.135	1	9:41:21.110	1:59.825	113.400	1:02.978	22.662	34.185
8	9:53:10.101	1:42.780	138.748	53.892	19.953	28.935	2	9:43:14.718	1:53.608	119.854	58.854	21.961	32.793
9	9:54:52.571	1:42.470	139.075	52.696	20.116	29.658	3	9:45:09.439	1:54.721	119.127	57.974	23.506	33.241

Bill Skibbe Chief of Timing & Scoring

Orbits

Costa Dunias Chief Steward



2017 National Championship Indy

FA/P2

Indianapolis Motor Speedway 2.592 miles

FA/P2 Race

9/29/2017 09:35

Race (40:00 or 19 Laps) started at 9:38:47

Lap	Time of Day	Lap Tm	SPd	S1 Tm	S2 Tm	S3 Tm
4	9:47:04.145	1:54.706	118.887	58.872	23.095	32.739
5	9:49:00.060	1:55.915	117.000	59.476	22.544	33.895
6	9:50:55.704	1:55.644	119.368	59.275	24.198	32.171
7	9:52:50.073	1:54.369	120.589	58.546	21.910	33.913
8	9:54:43.893	1:53.820	121.835	59.315	22.369	32.136
9	9:56:39.734	1:55.841	121.835	59.654	22.001	34.186
10	9:58:32.544	1:52.810	123.106	58.327	21.900	32.583
11	10:00:26.307	1:53.763	121.835	58.877	22.180	32.706
12	10:02:21.146	1:54.839	122.087	59.174	22.908	32.757
13	10:04:15.303	1:54.157	122.340	58.806	22.475	32.876
14	10:06:11.598	1:56.295	121.084	1:01.687	22.090	32.518
15	10:08:04.307	1:52.709	121.084	58.171	22.015	32.523
16	10:09:59.325	1:55.018	120.098	58.443	23.510	33.065

Lap	Time of Day	Lap Tm	SPd	S1 Tm	S2 Tm	S3 Tm
10	9:58:00.006	1:52.304	128.751	58.361	22.503	31.440
11	9:59:50.443	1:50.437	126.541	56.346	23.031	31.060
(44) Bryan Yates						
1	9:41:03.582	1:44.471	121.333	55.481	20.481	28.509
2	9:42:42.658	1:39.076	145.960	51.188	20.055	27.833
3	9:44:21.712	1:39.054	146.323	51.026	20.026	28.002
4	9:46:01.634	1:39.922	145.600	51.396	20.236	28.290
5	9:47:42.382	1:40.748	145.960	51.481	20.951	28.316
6	9:49:26.435	1:44.053	144.885	54.519	20.800	28.734
7	9:51:09.338	1:42.903	144.885	52.226	21.370	29.307
8	9:52:53.995	1:44.657	143.824	54.283	21.020	29.354

(70) Lewis Cooper Jr						
1	9:40:34.039	1:45.783	122.340	56.381	21.582	27.820
2	9:42:10.058	1:36.019	147.420	50.018	19.176	26.825
3	9:43:45.550	1:35.492	148.161	49.507	19.201	26.784
4	9:45:20.240	1:34.690	148.161	49.313	18.873	26.504
5	9:46:54.501	1:34.261	148.909	48.520	19.202	26.539
6	9:48:29.919	1:35.418	149.665	50.263	18.601	26.554
7	9:50:04.175	1:34.256	148.161	48.780	18.918	26.558
8	9:51:39.671	1:35.496	148.161	48.395	19.158	27.943
9	9:53:14.293	1:34.622	147.420	49.275	18.880	26.467
10	9:54:51.605	1:37.312	150.429	50.262	19.758	27.292
11	9:56:27.962	1:36.357	148.534	50.663	18.958	26.736
12	9:58:01.374	1:33.412	147.052	48.743	18.448	26.221
13	9:59:37.605	1:36.231	147.789	50.932	18.926	26.373
14	10:01:11.958	1:34.353	148.909	49.047	18.667	26.639

(00) Doug Piner						
1	9:41:11.996	1:52.225	110.015	1:00.086	21.372	30.767
2	9:42:56.253	1:44.257	142.092	54.067	21.009	29.181
3	9:44:40.611	1:44.358	150.046	53.797	21.042	29.519
4	9:46:26.671	1:46.060	150.046	53.579	22.969	29.512
5	9:48:13.379	1:46.708	143.474	54.079	21.681	30.948
6	9:49:58.566	1:45.187	149.286	53.494	22.275	29.418
7	9:51:45.261	1:46.695	146.687	54.016	22.657	30.022
8	9:53:38.097	1:52.836	149.286	54.268	21.063	37.505

(31) Pat Witherspoon						
1	9:41:12.100	1:53.068	117.233	59.693	21.547	31.828
2	9:43:00.135	1:48.035	108.397	58.455	20.821	28.759
3	9:44:42.445	1:42.310	132.811	52.929	19.651	29.730
4	9:46:25.679	1:43.234	148.909	52.641	21.164	29.429
5	9:48:08.194	1:42.515	143.824	53.167	20.226	29.122

(88) Michael Crowe						
1	9:41:01.149	1:42.508	122.087	54.516	19.882	28.110
2	9:42:40.790	1:39.641	145.241	51.862	19.817	27.962
3	9:44:19.589	1:38.799	144.529	51.149	19.733	27.917
4	9:45:58.209	1:38.620	145.600	51.328	19.467	27.825
5	9:47:37.462	1:39.253	145.600	51.379	19.883	27.991
6	9:49:16.714	1:39.252	144.885	51.667	19.590	27.995
7	9:50:57.960	1:41.246	144.885	51.858	20.928	28.460
8	9:52:39.060	1:41.100	142.780	52.831	20.003	28.266
9	9:54:21.823	1:42.763	144.529	52.129	22.178	28.456
10	9:56:03.897	1:42.074	144.885	53.288	20.571	28.215
11	9:57:45.253	1:41.356	144.885	53.001	19.914	28.441
12	9:59:30.118	1:44.865	145.241	55.124	20.354	29.387
13	10:01:10.877	1:40.759	145.241	52.432	19.958	28.369

(84) Matthew Gendron						
1	9:40:34.977	1:45.895	128.191	57.312	20.319	28.264
2	9:42:15.449	1:40.472	144.885	52.266	20.049	28.157
3	9:43:53.904	1:38.455	147.052	50.666	19.976	27.813
4	9:45:33.016	1:39.112	145.960	51.216	19.947	27.949
p5	9:50:17.574	4:44.558	143.824	1:18.368	40.285	

(97) Richard Colburn						
1	9:41:13.916	1:53.766	114.501	1:02.472	21.258	30.036
2	9:42:58.433	1:44.517	137.455	53.422	20.865	30.230
3	9:44:42.438	1:44.005	138.423	52.799	21.039	30.167
4	9:46:27.604	1:45.166	139.404	53.547	21.574	30.045
5	9:48:11.138	1:43.534	138.423	53.263	20.363	29.908
6	9:49:55.161	1:44.023	137.135	53.175	21.069	29.779
7	9:51:39.824	1:44.663	138.098	52.869	22.620	29.174
8	9:53:24.990	1:45.166	138.748	52.636	21.665	30.865
9	9:55:08.384	1:43.394	136.817	53.452	20.383	29.559
10	9:56:50.555	1:42.171	137.135	52.294	20.140	29.737
11	9:58:34.072	1:43.517	136.817	53.022	20.839	29.656

(36) Bruce Gurney						
1	9:41:16.266	1:55.633	121.333	1:02.566	21.975	31.092
2	9:43:05.529	1:49.263	128.191	56.497	21.978	30.788
3	9:44:56.062	1:50.523	127.913	56.969	22.518	31.036
4	9:46:50.150	1:54.098	127.086	57.525	22.564	34.009
5	9:48:41.421	1:51.271	127.636	58.183	21.735	31.353
6	9:50:32.564	1:51.143	128.471	56.740	23.201	31.202
7	9:52:25.372	1:52.808	128.191	56.292	24.084	32.432
8	9:54:14.631	1:49.259	130.172	56.323	21.503	31.433
9	9:56:07.702	1:53.071	128.191	58.375	23.204	31.492

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