

2005-2008 National Age Group Motivational Times - Percentile Based
Long Course Meters -- Boys

9/13/04

		----- Track I			----- Track II			----- Track III			----- Track IV		
		98%	96.5%	94%	90%	85%	80%	75%	65%	55%	45%	30%	15%
10 & Under	50 M Free	32.49	33.09	33.79	34.69	35.59	36.39	37.19	38.69	40.49	42.39	46.39	53.19
10 & Under	100 M Free	1:10.69	1:12.19	1:13.79	1:15.89	1:17.99	1:19.99	1:21.69	1:25.39	1:29.49	1:33.49	1:41.19	1:53.89
10 & Under	200 M Free	2:30.09	2:32.59	2:35.89	2:39.39	2:42.89	2:45.99	2:48.79	2:54.59	3:00.49	3:06.69	3:18.09	3:34.99
10 & Under	400 M Free	5:02.69	5:09.69	5:15.69	5:22.09	5:27.69	5:32.89	5:37.99	5:46.29	5:54.39	6:04.79	6:22.19	6:49.89
10 & Under	50 M Back	38.49	39.29	40.19	41.39	42.59	43.79	44.79	46.99	49.09	51.59	56.09	1:03.19
10 & Under	100 M Back	1:21.49	1:22.89	1:24.79	1:26.89	1:28.99	1:30.99	1:32.69	1:36.29	1:39.79	1:43.49	1:50.79	2:02.99
10 & Under	50 M Breast	43.29	44.29	45.59	46.89	48.49	49.69	50.89	52.99	55.19	57.49	1:01.69	1:08.69
10 & Under	100 M Breast	1:32.99	1:34.79	1:37.09	1:39.69	1:42.39	1:44.59	1:46.69	1:50.59	1:54.29	1:58.29	2:05.09	2:15.99
10 & Under	50 M Fly	35.39	36.19	37.09	38.29	39.59	40.79	41.99	44.49	47.09	50.09	55.49	1:03.59
10 & Under	100 M Fly	1:17.49	1:19.09	1:21.29	1:23.89	1:26.29	1:28.49	1:30.39	1:33.99	1:38.09	1:42.29	1:49.59	2:01.09
10 & Under	200 M IM	2:49.99	2:53.29	2:56.69	3:00.59	3:04.49	3:07.99	3:10.79	3:16.39	3:22.29	3:28.69	3:39.39	3:56.19
11-12	50 M Free	28.89	29.29	29.79	30.49	31.09	31.69	32.19	32.99	33.89	34.89	36.69	39.49
11-12	100 M Free	1:02.59	1:03.89	1:05.19	1:06.59	1:08.09	1:09.39	1:10.39	1:12.49	1:14.49	1:16.89	1:21.39	1:28.89
11-12	200 M Free	2:15.59	2:17.49	2:19.79	2:22.59	2:25.49	2:28.09	2:30.19	2:34.39	2:38.39	2:42.89	2:51.09	3:04.89
11-12	400 M Free	4:41.79	4:45.39	4:49.69	4:54.69	4:59.79	5:04.29	5:08.19	5:15.59	5:22.49	5:29.99	5:43.19	6:05.29
11-12	800 M Free	9:28.19	9:32.69	9:40.09	9:49.99	9:59.09	10:08.79	10:15.59	10:27.39	10:40.09	10:53.79	11:19.19	11:53.19
11-12	1500 M Free	17:56.49	18:11.69	18:24.29	18:41.89	19:08.59	19:21.99	19:35.09	20:03.09	20:23.49	20:46.89	21:27.39	22:34.69
11-12	50 M Back	33.69	34.39	35.19	36.09	36.89	37.59	38.29	39.59	40.89	42.29	44.99	49.19
11-12	100 M Back	1:11.89	1:13.39	1:14.99	1:16.89	1:18.69	1:20.29	1:21.59	1:23.99	1:26.39	1:29.09	1:34.09	1:42.19
11-12	200 M Back	2:28.89	2:31.49	2:34.49	2:37.99	2:40.89	2:43.09	2:45.39	2:49.09	2:52.69	2:56.39	3:02.59	3:11.89
11-12	50 M Breast	37.09	37.89	38.99	40.09	41.19	42.19	43.09	44.69	46.29	47.99	50.99	55.29
11-12	100 M Breast	1:20.69	1:22.49	1:24.59	1:26.99	1:29.19	1:31.19	1:32.79	1:35.99	1:39.19	1:42.29	1:48.09	1:56.39
11-12	200 M Breast	2:49.29	2:51.89	2:55.19	2:58.79	3:02.39	3:05.29	3:08.19	3:13.19	3:17.69	3:22.49	3:31.49	3:42.79
11-12	50 M Fly	31.19	31.69	32.39	33.29	34.09	34.89	35.49	36.69	37.99	39.59	42.69	47.99
11-12	100 M Fly	1:08.99	1:10.09	1:11.69	1:13.49	1:15.19	1:16.79	1:18.19	1:20.99	1:23.79	1:26.69	1:32.29	1:41.69
11-12	200 M Fly	2:27.09	2:29.79	2:32.49	2:35.19	2:38.09	2:41.09	2:43.39	2:48.39	2:53.19	2:57.19	3:06.19	3:19.29
11-12	200 M IM	2:33.39	2:35.89	2:38.69	2:42.39	2:45.69	2:48.29	2:50.79	2:55.19	2:59.39	3:04.19	3:12.99	3:25.89
11-12	400 M IM	5:13.79	5:20.59	5:25.79	5:34.39	5:39.89	5:44.09	5:47.79	5:55.59	6:02.59	6:10.59	6:22.79	6:39.79
13-14	50 M Free	26.49	26.79	27.19	27.59	27.99	28.39	28.69	29.29	29.89	30.59	31.79	33.69
13-14	100 M Free	57.79	58.49	59.29	1:00.29	1:01.19	1:01.99	1:02.79	1:04.29	1:05.79	1:07.39	1:10.29	1:14.89
13-14	200 M Free	2:05.49	2:07.09	2:08.99	2:10.99	2:12.99	2:14.69	2:16.49	2:19.59	2:22.59	2:25.99	2:32.49	2:42.69
13-14	400 M Free	4:21.69	4:25.29	4:29.29	4:33.29	4:36.99	4:40.19	4:42.99	4:48.89	4:54.29	5:00.39	5:11.09	5:28.89
13-14	800 M Free	8:57.69	9:03.19	9:10.19	9:17.59	9:24.59	9:30.09	9:35.89	9:45.89	9:55.59	10:05.89	10:23.49	10:52.79
13-14	1500 M Free	17:01.49	17:13.29	17:26.99	17:41.69	17:56.89	18:07.59	18:17.79	18:36.09	18:55.79	19:16.19	19:50.89	20:46.29
13-14	100 M Back	1:05.29	1:06.29	1:07.69	1:09.09	1:10.59	1:11.79	1:12.89	1:14.99	1:16.99	1:19.19	1:23.09	1:29.19
13-14	200 M Back	2:19.49	2:21.59	2:24.09	2:26.89	2:29.29	2:31.39	2:33.39	2:37.39	2:40.69	2:44.49	2:51.19	3:01.49
13-14	100 M Breast	1:13.39	1:14.59	1:16.09	1:17.89	1:19.49	1:20.89	1:22.29	1:24.79	1:27.19	1:29.69	1:34.39	1:41.59
13-14	200 M Breast	2:37.09	2:39.79	2:43.19	2:46.59	2:49.89	2:52.59	2:54.89	2:59.19	3:03.29	3:07.79	3:15.99	3:28.49
13-14	100 M Fly	1:02.49	1:03.29	1:04.39	1:05.59	1:06.89	1:07.99	1:08.99	1:10.99	1:13.09	1:15.29	1:19.69	1:26.79
13-14	200 M Fly	2:15.49	2:17.99	2:20.19	2:22.79	2:25.19	2:27.29	2:29.39	2:32.99	2:36.69	2:41.19	2:48.69	2:59.29
13-14	200 M IM	2:21.49	2:23.49	2:25.59	2:28.09	2:30.39	2:32.59	2:34.49	2:37.99	2:41.39	2:45.19	2:51.99	3:02.49
13-14	400 M IM	4:55.19	4:58.29	5:02.19	5:06.79	5:10.89	5:14.69	5:17.69	5:23.49	5:29.49	5:35.49	5:46.09	6:01.69
15-16	50 M Free	25.09	25.49	25.79	26.19	26.49	26.79	27.09	27.49	27.99	28.39	29.19	30.39
15-16	100 M Free	54.59	55.39	56.19	57.09	57.79	58.49	59.09	1:00.19	1:01.29	1:02.39	1:04.39	1:07.49
15-16	200 M Free	1:58.39	1:59.99	2:01.79	2:03.79	2:05.59	2:07.09	2:08.49	2:10.99	2:13.39	2:15.99	2:20.69	2:27.89
15-16	400 M Free	4:09.89	4:12.49	4:15.49	4:19.19	4:22.69	4:25.79	4:28.59	4:33.59	4:38.39	4:43.69	4:52.29	5:05.99
15-16	800 M Free	8:31.39	8:37.89	8:44.29	8:51.29	8:57.39	9:03.49	9:08.09	9:17.79	9:26.89	9:36.49	9:53.09	10:18.69
15-16	1500 M Free	16:16.09	16:26.19	16:37.69	16:52.79	17:07.19	17:17.49	17:26.79	17:44.69	18:01.99	18:21.99	18:52.09	19:41.29
15-16	100 M Back	1:01.29	1:02.29	1:03.39	1:04.59	1:05.79	1:06.79	1:07.69	1:09.39	1:11.09	1:12.79	1:15.79	1:20.19
15-16	200 M Back	2:11.09	2:13.49	2:15.69	2:18.09	2:20.49	2:22.29	2:23.99	2:26.99	2:30.09	2:33.19	2:38.49	2:46.49
15-16	100 M Breast	1:08.89	1:10.19	1:11.39	1:12.69	1:14.09	1:15.29	1:16.39	1:18.29	1:20.19	1:22.19	1:25.69	1:30.99
15-16	200 M Breast	2:27.89	2:30.59	2:33.29	2:36.39	2:39.59	2:41.89	2:44.09	2:47.99	2:51.49	2:54.99	3:01.39	3:10.69
15-16	100 M Fly	58.29	59.29	1:00.39	1:01.59	1:02.59	1:03.39	1:04.19	1:05.69	1:07.19	1:08.79	1:11.79	1:16.69
15-16	200 M Fly	2:07.69	2:10.09	2:12.29	2:14.59	2:16.69	2:18.39	2:19.89	2:23.09	2:26.29	2:29.79	2:35.19	2:43.79
15-16	200 M IM	2:13.79	2:15.89	2:17.99	2:20.29	2:22.29	2:23.89	2:25.49	2:28.29	2:31.09	2:34.09	2:38.99	2:47.19
15-16	400 M IM	4:38.99	4:42.89	4:46.89	4:51.19	4:55.19	4:58.19	5:00.69	5:06.19	5:11.89	5:17.19	5:26.09	5:38.39
17-18	50 M Free	23.99	24.49	24.89	25.19	25.49	25.69	25.89	26.29	26.69	27.09	27.79	28.79
17-18	100 M Free	52.29	53.39	54.09	54.89	55.59	56.19	56.69	57.59	58.49	59.39	1:01.09	1:03.69
17-18	200 M Free	1:53.39	1:55.69	1:57.59	1:59.49	2:01.09	2:02.39	2:03.59	2:05.69	2:07.79	2:10.09	2:14.19	2:20.39
17-18	400 M Free	4:02.49	4:05.49	4:08.59	4:11.79	4:15.49	4:17.99	4:20.39	4:24.79	4:29.29	4:33.89	4:41.89	4:54.79
17-18	800 M Free	8:22.29	8:27.09	8:33.09	8:39.99	8:45.49	8:51.39	8:55.59	9:03.39	9:11.79	9:21.09	9:36.79	9:58.29
17-18	1500 M Free	15:50.19	16:05.59	16:19.09	16:32.69	16:45.19	16:54.29	17:03.19	17:20.19	17:35.69	17:52.59	18:22.99	19:12.89
17-18	100 M Back	58.39	59.49	1:00.59	1:01.79	1:02.89	1:03.79	1:04.59	1:05.99	1:07.59	1:09.19	1:11.89	1:15.89
17-18	200 M Back	2:05.19	2:07.49	2:09.99	2:12.99	2:15.19	2:17.09	2:18.69	2:21.29	2:24.09	2:27.09	2:32.29	2:39.69
17-18	100 M Breast	1:05.29	1:06.49	1:07.59	1:09.09	1:10.29	1:11.29	1:12.39	1:14.19	1:15.79	1:17.69	1:20.69	1:25.29
17-18	200 M Breast	2:20.69	2:23.79	2:26.99	2:29.69	2:32.59	2:34.69	2:36.69	2:40.69	2:44.09	2:47.49	2:53.09	3:01.79
17-18	100 M Fly	56.09	57.09	57.99	58.99	59.99	1:00.69	1:01.39	1:02.59	1:03.89	1:05.19	1:07.49	1:11.29
17-18	200 M Fly	2:03.89	2:05.59	2:07.69	2:09.79	2:11.79	2:13.49	2:14.79	2:17.39	2:20.09	2:23.09	2:28.59	2:36.09
17-18	200 M IM	2:07.69	2:09.99	2:12.49	2:14.89	2:16.79	2:18.49	2:19.89	2:22.49	2:25.09	2:27.89	2:32.49	2:39.59
17-18	400 M IM	4:29.39	4:33.39	4:37.59	4:41.89	4:45.89	4:49.29	4:52.19	4:56.69	5:01.59	5:06.79	5:14.99	5:27.19

2005-2008 National Age Group Motivational Times - Percentile Based Long Course Meters -- Girls

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		----- Track I			----- Track II			----- Track III			----- Track IV		
		98%	96.5%	94%	90%	85%	80%	75%	65%	55%	45%	30%	15%
10 & Under	50 M Free	32.89	33.59	34.29	35.29	36.19	37.09	37.89	39.49	41.19	43.19	46.99	53.59
10 & Under	100 M Free	1:11.89	1:13.49	1:15.19	1:17.39	1:19.59	1:21.49	1:23.29	1:26.99	1:30.79	1:35.09	1:42.79	1:54.89
10 & Under	200 M Free	2:32.99	2:35.79	2:38.69	2:42.39	2:45.99	2:49.19	2:52.29	2:57.69	3:03.49	3:09.59	3:21.19	3:38.79
10 & Under	400 M Free	5:09.89	5:14.79	5:20.79	5:26.79	5:33.49	5:37.79	5:41.89	5:51.99	6:01.29	6:10.69	6:30.79	6:57.89
10 & Under	50 M Back	38.89	39.79	40.89	42.09	43.49	44.59	45.59	47.59	49.79	52.09	56.29	1:03.09
10 & Under	100 M Back	1:22.59	1:24.29	1:26.29	1:28.49	1:30.69	1:32.79	1:34.59	1:37.99	1:41.59	1:45.59	1:53.29	2:04.99
10 & Under	50 M Breast	43.49	44.59	45.79	47.29	48.69	49.89	51.09	53.39	55.49	57.79	1:01.99	1:08.89
10 & Under	100 M Breast	1:33.09	1:35.09	1:37.39	1:39.99	1:42.79	1:44.99	1:46.99	1:50.79	1:54.69	1:58.69	2:05.69	2:16.59
10 & Under	50 M Fly	35.99	36.79	37.79	39.09	40.59	41.99	43.19	45.59	48.29	51.19	56.19	1:03.79
10 & Under	100 M Fly	1:19.59	1:21.29	1:23.59	1:26.09	1:28.69	1:30.99	1:32.99	1:37.19	1:41.09	1:45.39	1:52.59	2:03.09
10 & Under	200 M IM	2:53.89	2:56.59	2:59.89	3:03.79	3:08.09	3:11.69	3:14.79	3:20.39	3:26.09	3:32.59	3:44.09	4:01.29
11-12	50 M Free	29.79	30.29	30.69	31.19	31.79	32.29	32.69	33.49	34.29	35.09	36.79	39.29
11-12	100 M Free	1:04.69	1:05.49	1:06.59	1:07.89	1:09.29	1:10.39	1:11.39	1:13.39	1:15.29	1:17.49	1:21.59	1:28.09
11-12	200 M Free	2:18.59	2:20.59	2:22.89	2:25.39	2:27.89	2:30.39	2:32.39	2:36.29	2:39.89	2:44.19	2:52.09	3:04.39
11-12	400 M Free	4:47.99	4:51.49	4:55.59	5:00.39	5:05.19	5:09.19	5:13.09	5:19.69	5:25.89	5:32.79	5:45.29	6:05.39
11-12	800 M Free	9:36.19	9:45.29	9:52.89	10:00.99	10:09.69	10:16.59	10:22.49	10:33.29	10:46.59	10:59.59	11:21.29	11:54.39
11-12	1500 M Free	17:55.89	18:21.99	18:47.09	19:07.79	19:24.49	19:36.39	19:48.89	20:11.19	20:32.19	20:54.89	21:41.39	22:44.79
11-12	50 M Back	34.69	35.29	36.09	36.89	37.69	38.49	39.09	40.29	41.49	42.79	45.09	48.79
11-12	100 M Back	1:13.99	1:15.29	1:16.79	1:18.59	1:20.29	1:21.69	1:22.99	1:25.39	1:27.59	1:30.09	1:34.69	1:41.89
11-12	200 M Back	2:33.49	2:35.99	2:38.49	2:41.29	2:43.89	2:46.19	2:48.49	2:52.29	2:55.59	2:59.19	3:04.79	3:13.79
11-12	50 M Breast	38.19	38.89	39.69	40.69	41.79	42.59	43.49	44.89	46.29	47.79	50.29	54.19
11-12	100 M Breast	1:22.69	1:24.19	1:25.99	1:28.09	1:30.19	1:31.99	1:33.39	1:36.29	1:38.99	1:41.89	1:47.09	1:54.79
11-12	200 M Breast	2:51.59	2:54.39	2:57.89	3:01.49	3:04.59	3:07.29	3:09.59	3:14.19	3:18.59	3:22.99	3:30.59	3:41.59
11-12	50 M Fly	32.09	32.59	33.19	33.99	34.79	35.39	36.09	37.29	38.49	39.99	42.79	47.69
11-12	100 M Fly	1:10.99	1:12.09	1:13.29	1:15.09	1:16.79	1:18.49	1:19.89	1:22.69	1:25.49	1:28.29	1:33.79	1:42.19
11-12	200 M Fly	2:30.39	2:32.79	2:35.19	2:38.39	2:41.19	2:43.59	2:46.19	2:50.69	2:54.29	2:59.19	3:08.09	3:18.79
11-12	200 M IM	2:37.39	2:39.49	2:41.99	2:44.99	2:48.19	2:50.79	2:52.99	2:57.19	3:01.39	3:05.79	3:13.89	3:26.79
11-12	400 M IM	5:22.09	5:26.59	5:31.49	5:37.29	5:42.29	5:46.59	5:51.09	5:58.09	6:04.79	6:11.19	6:22.29	6:39.49
13-14	50 M Free	28.49	28.79	29.19	29.69	30.09	30.39	30.79	31.39	31.99	32.59	33.69	35.39
13-14	100 M Free	1:01.69	1:02.49	1:03.39	1:04.39	1:05.39	1:06.19	1:06.99	1:08.49	1:09.79	1:11.39	1:14.09	1:18.39
13-14	200 M Free	2:12.69	2:14.29	2:16.09	2:18.39	2:20.49	2:22.39	2:24.09	2:27.19	2:30.29	2:33.59	2:39.79	2:49.29
13-14	400 M Free	4:34.29	4:37.79	4:41.99	4:46.29	4:50.49	4:53.69	4:56.89	5:02.69	5:08.29	5:14.09	5:25.29	5:42.89
13-14	800 M Free	9:16.29	9:24.69	9:32.29	9:39.39	9:46.89	9:53.89	9:59.79	10:10.89	10:21.19	10:31.29	10:49.59	11:19.59
13-14	1500 M Free	17:45.99	18:02.79	18:15.99	18:29.49	18:45.79	18:58.69	19:08.49	19:29.19	19:50.49	20:10.89	20:47.49	21:41.59
13-14	100 M Back	1:09.89	1:11.09	1:12.59	1:14.09	1:15.49	1:16.79	1:17.99	1:19.89	1:21.79	1:23.79	1:27.49	1:32.89
13-14	200 M Back	2:28.89	2:31.19	2:33.79	2:36.59	2:39.19	2:41.39	2:43.39	2:47.09	2:50.39	2:53.69	2:59.79	3:09.39
13-14	100 M Breast	1:18.39	1:19.89	1:21.49	1:23.29	1:24.89	1:26.39	1:27.69	1:30.09	1:32.29	1:34.69	1:38.99	1:45.19
13-14	200 M Breast	2:46.69	2:49.79	2:52.69	2:56.19	2:59.29	3:01.99	3:04.49	3:08.59	3:12.49	3:16.69	3:24.49	3:35.99
13-14	100 M Fly	1:06.99	1:08.09	1:09.29	1:10.59	1:11.89	1:13.09	1:14.19	1:16.09	1:18.29	1:20.59	1:24.99	1:31.79
13-14	200 M Fly	2:23.99	2:27.09	2:29.39	2:32.29	2:34.99	2:37.49	2:39.59	2:43.39	2:47.09	2:51.19	2:58.39	3:09.69
13-14	200 M IM	2:30.49	2:32.69	2:34.99	2:37.39	2:39.99	2:42.09	2:44.09	2:47.39	2:50.69	2:54.29	3:00.79	3:11.29
13-14	400 M IM	5:10.19	5:14.39	5:19.19	5:23.89	5:28.19	5:32.19	5:35.79	5:42.19	5:47.79	5:53.39	6:03.19	6:17.99
15-16	50 M Free	27.49	27.89	28.29	28.69	29.09	29.49	29.79	30.29	30.79	31.39	32.29	33.69
15-16	100 M Free	59.29	1:00.19	1:01.09	1:02.09	1:02.99	1:03.79	1:04.49	1:05.69	1:06.99	1:08.29	1:10.59	1:13.99
15-16	200 M Free	2:07.29	2:09.19	2:11.09	2:13.29	2:15.29	2:16.99	2:18.49	2:21.29	2:23.99	2:26.69	2:31.79	2:39.69
15-16	400 M Free	4:25.69	4:29.19	4:33.09	4:37.39	4:41.19	4:44.29	4:47.19	4:52.59	4:57.49	5:02.49	5:12.09	5:27.69
15-16	800 M Free	8:59.39	9:06.29	9:13.89	9:23.09	9:30.79	9:36.99	9:42.39	9:52.39	10:01.69	10:11.39	10:27.49	10:53.39
15-16	1500 M Free	17:18.89	17:31.39	17:48.69	18:03.89	18:17.29	18:29.49	18:40.19	18:58.49	19:16.39	19:35.79	20:07.59	20:59.39
15-16	100 M Back	1:06.89	1:07.89	1:09.39	1:10.89	1:12.29	1:13.49	1:14.49	1:16.49	1:18.29	1:20.09	1:23.19	1:27.59
15-16	200 M Back	2:21.49	2:24.59	2:27.19	2:30.49	2:33.49	2:35.79	2:37.89	2:41.19	2:44.29	2:47.39	2:52.89	3:00.89
15-16	100 M Breast	1:14.69	1:16.09	1:17.69	1:19.29	1:20.79	1:22.19	1:23.29	1:25.39	1:27.39	1:29.49	1:33.29	1:38.59
15-16	200 M Breast	2:40.39	2:42.39	2:45.49	2:48.99	2:51.99	2:54.39	2:56.49	3:00.19	3:03.59	3:07.39	3:13.99	3:23.69
15-16	100 M Fly	1:04.29	1:05.29	1:06.39	1:07.69	1:08.99	1:09.89	1:10.69	1:12.49	1:14.09	1:15.99	1:19.29	1:24.69
15-16	200 M Fly	2:19.39	2:21.19	2:23.39	2:26.19	2:28.79	2:30.89	2:32.89	2:36.39	2:39.79	2:43.39	2:49.39	2:58.69
15-16	200 M IM	2:24.39	2:26.69	2:29.09	2:31.69	2:33.89	2:35.79	2:37.59	2:40.89	2:43.89	2:46.99	2:52.29	3:00.29
15-16	400 M IM	4:58.29	5:02.69	5:07.49	5:12.69	5:17.39	5:20.99	5:23.79	5:29.59	5:34.99	5:40.59	5:49.69	6:02.79
17-18	50 M Free	26.89	27.29	27.69	28.09	28.39	28.79	28.99	29.49	29.99	30.49	31.29	32.59
17-18	100 M Free	57.89	58.89	59.79	1:00.69	1:01.59	1:02.29	1:02.89	1:03.89	1:04.99	1:06.09	1:08.09	1:11.09
17-18	200 M Free	2:04.49	2:06.29	2:08.09	2:09.99	2:12.09	2:13.69	2:14.89	2:17.29	2:19.59	2:21.89	2:26.29	2:32.99
17-18	400 M Free	4:21.29	4:23.59	4:26.79	4:30.79	4:34.79	4:37.79	4:40.39	4:45.09	4:49.49	4:54.19	5:02.39	5:14.79
17-18	800 M Free	8:48.79	8:55.49	9:00.59	9:08.69	9:16.89	9:23.79	9:28.99	9:37.49	9:45.99	9:55.49	10:10.39	10:34.99
17-18	1500 M Free	16:57.59	17:12.99	17:25.59	17:42.99	17:55.79	18:04.69	18:15.39	18:31.09	18:50.69	19:09.69	19:40.69	20:31.09
17-18	100 M Back	1:04.99	1:06.19	1:07.49	1:08.79	1:09.99	1:10.89	1:11.79	1:13.39	1:15.09	1:16.79	1:19.79	1:23.89
17-18	200 M Back	2:17.89	2:20.69	2:23.29	2:26.59	2:28.99	2:30.89	2:32.79	2:35.79	2:38.89	2:42.19	2:46.99	2:54.39
17-18	100 M Breast	1:12.79	1:14.09	1:15.39	1:16.89	1:18.29	1:19.59	1:20.59	1:22.59	1:24.39	1:26.29	1:29.39	1:33.89
17-18	200 M Breast	2:36.39	2:38.69	2:41.39	2:44.29	2:47.29	2:49.59	2:51.89	2:55.79	2:59.19	3:02.59	3:08.09	3:16.39
17-18	100 M Fly	1:02.79	1:03.69	1:04.79	1:05.89	1:06.99	1:07.79	1:08.69	1:09.99	1:11.39	1:12.79	1:15.39	1:19.59
17-18	200 M Fly	2:15.89	2:17.89	2:19.99	2:22.49	2:24.89	2:26.59	2:28.29	2:31.19	2:34.09	2:36.99	2:42.79	2:51.69
17-18	200 M IM	2:21.49	2:23.49	2:25.69	2:28.09	2:30.19	2:32.19	2:33.79	2:36.59	2:39.19	2:42.09	2:46.79	2:53.89
17-18	400 M IM	4:55.49	4:59.69	5:03.29	5:07.89	5:11.49	5:14.79	5:17.89	5:22.79	5:27.79	5:32.79	5:41.39	5:52.89

2005-2008 National Age Group Motivational Times - Percentile Based
Short Course Yards -- Boys

9/13/04

		----- Track I			----- Track II			----- Track III			----- Track IV		
		98%	96.5%	94%	90%	85%	80%	75%	65%	55%	45%	30%	15%
10 & Under	50 Y Free	29.79	30.49	31.29	32.29	33.39	34.29	35.19	36.99	38.79	40.99	44.99	51.59
10 & Under	100 Y Free	1:04.49	1:05.99	1:07.69	1:09.89	1:12.09	1:14.19	1:16.09	1:19.79	1:23.59	1:27.49	1:34.59	1:45.59
10 & Under	200 Y Free	2:15.89	2:18.29	2:21.29	2:24.99	2:28.59	2:31.89	2:34.99	2:40.79	2:46.79	2:52.89	3:04.09	3:20.09
10 & Under	500 Y Free	5:49.49	5:57.09	6:03.79	6:12.09	6:20.89	6:28.09	6:33.99	6:46.69	6:59.39	7:12.79	7:37.29	8:12.19
10 & Under	50 Y Back	34.69	35.59	36.59	37.89	39.19	40.29	41.39	43.39	45.49	47.69	51.79	57.79
10 & Under	100 Y Back	1:12.49	1:13.99	1:15.79	1:17.89	1:19.99	1:21.89	1:23.49	1:27.09	1:30.49	1:33.89	1:40.59	1:50.79
10 & Under	50 Y Breast	39.19	40.19	41.49	42.89	44.39	45.59	46.59	48.59	50.49	52.59	56.29	1:02.09
10 & Under	100 Y Breast	1:23.19	1:24.99	1:27.29	1:29.89	1:32.49	1:34.69	1:36.79	1:40.29	1:43.49	1:47.09	1:53.19	2:02.69
10 & Under	50 Y Fly	32.39	33.19	34.19	35.59	36.89	38.09	39.29	41.49	43.79	46.29	50.69	56.99
10 & Under	100 Y Fly	1:09.99	1:11.69	1:13.59	1:15.89	1:18.29	1:20.19	1:22.09	1:25.69	1:29.09	1:32.99	1:39.69	1:49.39
10 & Under	100 Y IM	1:14.09	1:15.79	1:17.89	1:20.29	1:22.69	1:25.09	1:27.19	1:31.09	1:34.89	1:38.89	1:45.69	1:55.99
10 & Under	200 Y IM	2:33.19	2:35.89	2:38.99	2:42.59	2:46.09	2:49.19	2:51.99	2:57.39	3:02.69	3:08.19	3:17.39	3:31.39
11-12	50 Y Free	25.89	26.39	26.99	27.69	28.39	28.89	29.39	30.29	31.29	32.39	34.29	37.59
11-12	100 Y Free	56.19	57.29	58.59	1:00.09	1:01.59	1:02.99	1:04.19	1:06.39	1:08.69	1:11.39	1:16.19	1:23.79
11-12	200 Y Free	2:00.59	2:02.69	2:05.19	2:08.29	2:11.29	2:13.79	2:16.09	2:20.49	2:24.79	2:29.69	2:38.79	2:52.59
11-12	500 Y Free	5:18.49	5:23.39	5:29.59	5:36.29	5:42.89	5:47.99	5:52.79	6:01.99	6:11.49	6:21.79	6:40.29	7:08.09
11-12	1000 Y Free	10:44.19	10:49.59	10:58.39	11:10.49	11:24.79	11:35.19	11:45.49	12:02.19	12:22.29	12:40.49	13:11.69	13:58.79
11-12	1650 Y Free	17:47.89	17:58.39	18:11.99	18:31.79	18:52.89	19:10.39	19:25.39	19:54.59	20:18.09	20:47.09	21:29.89	22:37.99
11-12	50 Y Back	29.99	30.69	31.49	32.39	33.29	34.09	34.79	36.09	37.49	38.99	41.59	45.79
11-12	100 Y Back	1:03.59	1:04.99	1:06.59	1:08.39	1:10.09	1:11.59	1:12.89	1:15.39	1:18.09	1:20.89	1:26.09	1:34.09
11-12	200 Y Back	2:10.69	2:13.59	2:16.59	2:19.79	2:22.89	2:24.99	2:26.89	2:30.59	2:34.29	2:38.29	2:45.29	2:57.29
11-12	50 Y Breast	33.29	34.19	35.19	36.39	37.49	38.49	39.39	40.99	42.49	44.09	46.79	50.89
11-12	100 Y Breast	1:11.39	1:13.19	1:15.19	1:17.59	1:19.89	1:21.79	1:23.49	1:26.69	1:29.79	1:32.99	1:38.49	1:46.39
11-12	200 Y Breast	2:29.89	2:32.39	2:35.39	2:38.69	2:42.49	2:45.69	2:48.49	2:53.69	2:58.79	3:03.89	3:12.89	3:27.19
11-12	50 Y Fly	28.39	28.99	29.69	30.49	31.39	32.09	32.79	34.09	35.49	37.09	40.19	44.99
11-12	100 Y Fly	1:01.59	1:02.79	1:04.29	1:06.09	1:07.79	1:09.19	1:10.59	1:13.29	1:16.09	1:19.09	1:24.69	1:32.99
11-12	200 Y Fly	2:10.39	2:12.79	2:16.39	2:19.19	2:21.89	2:24.49	2:26.79	2:30.99	2:35.49	2:40.09	2:47.59	3:01.29
11-12	100 Y IM	1:04.39	1:05.69	1:07.29	1:09.19	1:10.99	1:12.49	1:13.79	1:16.39	1:18.99	1:21.69	1:26.39	1:33.69
11-12	200 Y IM	2:15.99	2:18.49	2:21.39	2:24.59	2:27.89	2:30.49	2:32.79	2:37.19	2:41.59	2:46.29	2:54.99	3:07.79
11-12	400 Y IM	4:37.89	4:43.19	4:49.09	4:55.09	5:00.69	5:04.89	5:08.79	5:15.99	5:23.59	5:31.09	5:46.09	6:07.09
13-14	50 Y Free	23.59	23.89	24.19	24.69	25.09	25.49	25.79	26.49	27.09	27.79	29.09	30.99
13-14	100 Y Free	51.19	51.99	52.79	53.79	54.79	55.69	56.49	57.99	59.49	1:01.19	1:04.29	1:09.49
13-14	200 Y Free	1:50.69	1:52.39	1:54.19	1:56.29	1:58.49	2:00.29	2:01.99	2:05.39	2:08.79	2:12.49	2:19.19	2:29.79
13-14	500 Y Free	4:53.39	4:57.29	5:01.69	5:06.99	5:12.19	5:16.39	5:20.49	5:27.99	5:35.49	5:43.29	5:58.19	6:21.99
13-14	1000 Y Free	9:55.69	10:06.49	10:14.09	10:22.59	10:30.39	10:37.69	10:44.89	10:57.79	11:10.09	11:23.29	11:48.99	12:28.49
13-14	1650 Y Free	16:40.69	16:52.59	17:06.69	17:22.19	17:37.89	17:50.09	18:01.79	18:23.49	18:43.99	19:05.19	19:42.69	20:45.99
13-14	100 Y Back	57.39	58.49	59.69	1:00.99	1:02.49	1:03.69	1:04.89	1:06.99	1:09.19	1:11.39	1:15.39	1:21.69
13-14	200 Y Back	2:01.99	2:04.09	2:06.59	2:09.09	2:11.59	2:13.79	2:15.69	2:19.39	2:23.09	2:26.99	2:33.89	2:44.39
13-14	100 Y Breast	1:04.69	1:05.79	1:07.29	1:08.99	1:10.69	1:12.19	1:13.49	1:15.99	1:18.49	1:21.09	1:25.69	1:32.39
13-14	200 Y Breast	2:18.29	2:20.59	2:23.49	2:26.79	2:29.69	2:32.39	2:34.79	2:39.09	2:43.39	2:47.79	2:55.99	3:08.39
13-14	100 Y Fly	55.99	56.89	57.89	59.19	1:00.39	1:01.59	1:02.69	1:04.69	1:06.89	1:09.19	1:13.69	1:20.89
13-14	200 Y Fly	2:01.09	2:02.99	2:05.09	2:07.49	2:09.89	2:11.89	2:13.69	2:17.19	2:20.79	2:24.49	2:31.69	2:42.99
13-14	200 Y IM	2:04.79	2:06.89	2:09.09	2:11.59	2:14.09	2:16.29	2:18.39	2:22.19	2:25.79	2:29.69	2:36.79	2:47.59
13-14	400 Y IM	4:19.39	4:22.89	4:26.79	4:31.09	4:35.19	4:38.59	4:41.79	4:47.69	4:53.29	4:59.59	5:10.19	5:26.39
15-16	50 Y Free	22.19	22.39	22.69	23.09	23.39	23.69	23.99	24.39	24.89	25.29	26.09	27.39
15-16	100 Y Free	48.49	48.99	49.59	50.29	50.99	51.59	52.19	53.29	54.29	55.49	57.39	1:00.39
15-16	200 Y Free	1:44.99	1:46.19	1:47.49	1:48.99	1:50.59	1:52.09	1:53.49	1:55.79	1:58.19	2:00.69	2:05.39	2:12.59
15-16	500 Y Free	4:39.79	4:42.79	4:46.19	4:50.19	4:54.39	4:57.59	5:00.49	5:06.69	5:12.69	5:18.69	5:30.69	5:48.49
15-16	1000 Y Free	9:31.59	9:36.39	9:43.89	9:52.29	9:58.79	10:05.09	10:10.19	10:20.29	10:31.59	10:43.29	11:03.19	11:35.19
15-16	1650 Y Free	15:54.99	16:05.59	16:17.19	16:31.49	16:42.19	16:52.19	17:03.09	17:21.09	17:38.39	17:55.29	18:26.29	19:17.09
15-16	100 Y Back	53.99	54.69	55.59	56.49	57.59	58.49	59.29	1:00.89	1:02.49	1:04.19	1:07.09	1:11.59
15-16	200 Y Back	1:55.49	1:57.09	1:58.79	2:00.69	2:02.59	2:04.19	2:05.59	2:08.59	2:11.49	2:14.49	2:19.79	2:27.89
15-16	100 Y Breast	1:00.69	1:01.59	1:02.59	1:03.79	1:05.09	1:06.19	1:07.19	1:08.99	1:10.79	1:12.69	1:16.09	1:20.89
15-16	200 Y Breast	2:10.79	2:12.69	2:14.79	2:17.19	2:19.59	2:21.69	2:23.59	2:27.09	2:30.39	2:33.49	2:39.69	2:48.99
15-16	100 Y Fly	52.59	53.19	54.09	54.99	55.89	56.79	57.49	58.89	1:00.29	1:01.89	1:04.69	1:09.39
15-16	200 Y Fly	1:55.09	1:56.69	1:58.29	1:59.99	2:01.59	2:02.99	2:04.59	2:07.19	2:09.79	2:12.49	2:17.89	2:26.79
15-16	200 Y IM	1:58.39	1:59.79	2:01.29	2:03.19	2:05.09	2:06.79	2:08.39	2:11.39	2:14.29	2:17.19	2:22.69	2:30.49
15-16	400 Y IM	4:07.89	4:10.39	4:13.09	4:16.49	4:19.79	4:22.59	4:24.99	4:30.09	4:34.79	4:40.09	4:48.79	5:01.79
17-18	50 Y Free	21.49	21.69	21.99	22.29	22.59	22.79	22.99	23.39	23.79	24.19	24.79	25.89
17-18	100 Y Free	47.09	47.59	48.09	48.69	49.29	49.89	50.29	51.19	51.99	52.89	54.49	57.19
17-18	200 Y Free	1:42.49	1:43.49	1:44.69	1:45.99	1:47.19	1:48.39	1:49.39	1:51.49	1:53.39	1:55.69	1:59.59	2:05.29
17-18	500 Y Free	4:34.69	4:37.09	4:39.69	4:43.09	4:46.69	4:49.99	4:52.99	4:58.29	5:03.49	5:09.09	5:19.49	5:34.29
17-18	1000 Y Free	9:25.29	9:29.89	9:34.99	9:40.39	9:48.19	9:53.79	9:57.39	10:06.39	10:15.69	10:25.79	10:45.09	11:12.09
17-18	1650 Y Free	15:43.09	15:51.59	16:01.39	16:11.49	16:24.19	16:34.29	16:43.39	17:00.19	17:14.69	17:30.69	17:59.59	18:56.29
17-18	100 Y Back	52.39	52.99	53.69	54.69	55.59	56.29	56.89	58.29	59.59	1:00.99	1:03.59	1:07.39
17-18	200 Y Back	1:52.29	1:53.69	1:55.29	1:57.09	1:58.69	2:00.09	2:01.29	2:03.79	2:06.59	2:09.19	2:13.99	2:20.79
17-18	100 Y Breast	58.69	59.49	1:00.19	1:01.19	1:02.09	1:02.99	1:03.79	1:05.39	1:06.89	1:08.59	1:11.49	1:15.39
17-18	200 Y Breast	2:06.69	2:08.19	2:10.19	2:12.09	2:14.29	2:16.09	2:17.59	2:20.69	2:23.69	2:26.59	2:31.99	2:39.99
17-18	100 Y Fly	51.09	51.69	52.49	53.19	53.99	54.59	55.19	56.29	57.59	58.69	1:00.99	1:04.29
17-18	200 Y Fly	1:52.49	1:53.69	1:54.89	1:56.09	1:57.59	1:58.99	2:00.09	2:02.39	2:04.59	2:06.99	2:11.69	2:18.49
17-18	200 Y IM	1:55.29	1:56.49	1:57.79	1:59.49	2:01.09	2:02.49	2:03.79	2:06.29	2:08.89	2:11.59	2:16.29	2:22.79
17-18	400 Y IM	4:01.49	4:03.69	4:06.79	4:09.59	4:12.49	4:14.99	4:17.69	4:21.99	4:26.19	4:30.69	4:38.79	4:51.19

2005-2008 National Age Group Motivational Times - Percentile Based
Short Course Yards -- Girls

9/13/04

		----- Track I			----- Track II			----- Track III			----- Track IV		
		98%	96.5%	94%	90%	85%	80%	75%	65%	55%	45%	30%	15%
10 & Under	50 Y Free	30.19	30.89	31.79	32.89	33.89	34.79	35.79	37.49	39.29	41.29	44.99	51.09
10 & Under	100 Y Free	1:05.49	1:07.09	1:08.89	1:11.09	1:13.39	1:15.49	1:17.49	1:20.99	1:24.69	1:28.49	1:35.19	1:45.59
10 & Under	200 Y Free	2:17.89	2:20.69	2:23.79	2:27.59	2:31.19	2:34.49	2:37.69	2:43.49	2:49.49	2:55.59	3:06.29	3:22.19
10 & Under	500 Y Free	5:56.79	6:02.59	6:10.49	6:19.29	6:27.99	6:35.79	6:42.29	6:54.19	7:06.79	7:19.79	7:43.39	8:15.89
10 & Under	50 Y Back	35.19	36.09	37.19	38.49	39.79	40.89	41.89	43.89	45.89	47.99	51.69	57.29
10 & Under	100 Y Back	1:13.59	1:15.29	1:17.19	1:19.39	1:21.49	1:23.39	1:25.09	1:28.39	1:31.59	1:35.19	1:41.59	1:51.39
10 & Under	50 Y Breast	39.29	40.39	41.59	43.09	44.49	45.69	46.79	48.69	50.59	52.59	56.19	1:01.89
10 & Under	100 Y Breast	1:23.19	1:25.39	1:27.69	1:30.19	1:32.59	1:34.79	1:36.69	1:40.39	1:43.69	1:46.99	1:52.99	2:01.79
10 & Under	50 Y Fly	32.99	33.89	34.99	36.29	37.59	38.89	39.99	42.19	44.29	46.59	50.49	56.39
10 & Under	100 Y Fly	1:11.39	1:13.09	1:15.19	1:17.79	1:20.39	1:22.39	1:24.49	1:27.89	1:31.39	1:35.29	1:41.59	1:50.89
10 & Under	100 Y IM	1:15.29	1:17.19	1:19.29	1:21.89	1:24.49	1:26.79	1:28.79	1:32.59	1:36.39	1:40.29	1:46.99	1:56.89
10 & Under	200 Y IM	2:35.29	2:38.39	2:41.69	2:45.49	2:49.29	2:52.59	2:55.39	3:00.69	3:05.99	3:11.59	3:20.89	3:35.19
11-12	50 Y Free	26.79	27.29	27.79	28.39	28.89	29.39	29.89	30.69	31.59	32.59	34.29	37.29
11-12	100 Y Free	57.99	58.99	1:00.09	1:01.39	1:02.69	1:03.89	1:04.99	1:07.09	1:09.19	1:11.49	1:15.89	1:22.69
11-12	200 Y Free	2:03.79	2:05.79	2:08.19	2:10.99	2:13.69	2:15.99	2:18.09	2:22.09	2:26.19	2:30.59	2:38.89	2:51.39
11-12	500 Y Free	5:25.59	5:30.59	5:36.09	5:42.39	5:48.69	5:53.59	5:58.39	6:07.39	6:16.59	6:26.59	6:43.99	7:11.19
11-12	1000 Y Free	10:53.69	11:03.59	11:11.39	11:27.89	11:40.39	11:50.39	11:59.69	12:17.29	12:32.89	12:50.59	13:25.19	14:10.59
11-12	1650 Y Free	18:07.39	18:27.19	18:43.19	18:59.29	19:16.99	19:35.89	19:49.29	20:16.69	20:46.09	21:14.09	22:05.59	23:19.49
11-12	50 Y Back	30.89	31.59	32.29	33.09	33.99	34.69	35.39	36.59	37.79	39.09	41.39	45.19
11-12	100 Y Back	1:05.29	1:06.49	1:07.99	1:09.69	1:11.39	1:12.69	1:13.99	1:16.39	1:18.79	1:21.29	1:25.89	1:33.49
11-12	200 Y Back	2:15.39	2:17.59	2:20.09	2:22.99	2:25.59	2:27.79	2:29.69	2:33.39	2:36.79	2:40.39	2:47.09	2:56.89
11-12	50 Y Breast	34.29	35.09	35.99	36.99	37.99	38.79	39.59	40.89	42.29	43.59	45.99	49.69
11-12	100 Y Breast	1:13.39	1:14.99	1:16.79	1:18.89	1:20.79	1:22.39	1:23.89	1:26.69	1:29.39	1:32.19	1:37.09	1:44.29
11-12	200 Y Breast	2:32.49	2:35.39	2:38.59	2:42.09	2:45.49	2:48.19	2:50.49	2:54.99	2:59.39	3:03.89	3:11.79	3:23.69
11-12	50 Y Fly	29.29	29.79	30.39	31.19	31.99	32.69	33.29	34.59	35.89	37.29	39.99	44.19
11-12	100 Y Fly	1:03.49	1:04.69	1:05.99	1:07.59	1:09.29	1:10.69	1:12.09	1:14.69	1:17.39	1:20.19	1:25.29	1:32.99
11-12	200 Y Fly	2:14.59	2:16.49	2:18.79	2:21.79	2:24.89	2:27.49	2:29.39	2:33.39	2:37.69	2:42.09	2:50.19	3:02.29
11-12	100 Y IM	1:06.39	1:07.59	1:09.09	1:10.69	1:12.29	1:13.69	1:14.89	1:17.19	1:19.49	1:21.99	1:26.19	1:32.59
11-12	200 Y IM	2:19.69	2:22.09	2:24.59	2:27.69	2:30.59	2:32.99	2:35.29	2:39.49	2:43.59	2:48.09	2:55.89	3:07.69
11-12	400 Y IM	4:46.79	4:50.79	4:55.29	5:01.09	5:05.99	5:10.39	5:14.09	5:21.09	5:27.89	5:35.29	5:47.89	6:06.39
13-14	50 Y Free	25.39	25.79	26.19	26.59	27.09	27.39	27.79	28.39	28.99	29.59	30.79	32.59
13-14	100 Y Free	55.09	55.89	56.79	57.69	58.69	59.49	1:00.29	1:01.69	1:03.19	1:04.89	1:07.79	1:12.49
13-14	200 Y Free	1:58.19	1:59.69	2:01.49	2:03.79	2:05.99	2:07.89	2:09.59	2:12.79	2:15.99	2:19.49	2:25.69	2:35.49
13-14	500 Y Free	5:10.59	5:14.39	5:19.09	5:24.49	5:29.49	5:33.89	5:37.79	5:44.99	5:52.39	5:59.99	6:14.69	6:36.79
13-14	1000 Y Free	10:27.89	10:35.99	10:44.49	10:54.29	11:04.09	11:11.79	11:18.49	11:31.89	11:44.99	11:58.49	12:25.19	13:06.89
13-14	1650 Y Free	17:32.09	17:44.69	17:58.69	18:15.19	18:30.59	18:41.59	18:52.89	19:13.09	19:32.39	19:52.39	20:33.39	21:34.89
13-14	100 Y Back	1:01.59	1:02.69	1:03.99	1:05.49	1:06.99	1:08.09	1:09.19	1:11.19	1:13.19	1:15.19	1:18.89	1:24.49
13-14	200 Y Back	2:11.19	2:13.19	2:15.49	2:17.99	2:20.39	2:22.49	2:24.29	2:27.79	2:31.19	2:34.69	2:40.79	2:50.19
13-14	100 Y Breast	1:09.89	1:11.09	1:12.49	1:14.09	1:15.79	1:17.29	1:18.59	1:20.89	1:23.09	1:25.49	1:29.59	1:35.59
13-14	200 Y Breast	2:28.29	2:30.69	2:33.19	2:36.39	2:39.29	2:41.79	2:43.99	2:47.99	2:51.89	2:55.99	3:03.19	3:14.39
13-14	100 Y Fly	1:00.39	1:01.29	1:02.39	1:03.69	1:05.09	1:06.29	1:07.39	1:09.49	1:11.59	1:13.89	1:18.19	1:24.69
13-14	200 Y Fly	2:10.49	2:12.19	2:14.29	2:16.69	2:19.09	2:21.19	2:22.89	2:26.49	2:29.99	2:33.59	2:40.69	2:51.59
13-14	200 Y IM	2:13.89	2:15.69	2:17.89	2:20.49	2:23.09	2:25.19	2:27.09	2:30.69	2:34.19	2:37.99	2:44.59	2:54.59
13-14	400 Y IM	4:36.19	4:39.89	4:43.39	4:47.79	4:52.09	4:55.89	4:58.99	5:04.59	5:09.99	5:15.59	5:25.09	5:40.59
15-16	50 Y Free	24.69	24.99	25.29	25.69	26.09	26.39	26.69	27.19	27.69	28.19	29.09	30.49
15-16	100 Y Free	53.49	54.19	54.89	55.69	56.49	57.19	57.89	59.09	1:00.19	1:01.39	1:03.59	1:07.09
15-16	200 Y Free	1:54.59	1:55.89	1:57.59	1:59.19	2:00.99	2:02.59	2:03.99	2:06.59	2:09.19	2:11.99	2:17.09	2:24.59
15-16	500 Y Free	5:01.49	5:05.09	5:08.79	5:13.49	5:17.69	5:21.69	5:25.19	5:31.69	5:38.09	5:44.79	5:57.69	6:17.19
15-16	1000 Y Free	10:11.79	10:18.59	10:25.99	10:34.79	10:43.29	10:50.39	10:56.39	11:07.39	11:19.09	11:30.89	11:53.89	12:29.29
15-16	1650 Y Free	17:01.89	17:15.49	17:28.29	17:41.89	17:54.19	18:05.79	18:15.99	18:35.89	18:55.19	19:14.69	19:50.59	20:49.99
15-16	100 Y Back	59.49	1:00.29	1:01.29	1:02.59	1:03.79	1:04.89	1:05.89	1:07.59	1:09.29	1:11.09	1:14.09	1:18.49
15-16	200 Y Back	2:06.99	2:08.89	2:11.09	2:13.29	2:15.39	2:17.19	2:18.79	2:21.89	2:24.79	2:27.89	2:33.49	2:40.89
15-16	100 Y Breast	1:07.29	1:08.29	1:09.39	1:10.69	1:11.99	1:13.19	1:14.29	1:16.39	1:18.39	1:20.39	1:23.79	1:28.89
15-16	200 Y Breast	2:23.49	2:25.59	2:27.79	2:30.19	2:32.69	2:34.69	2:36.39	2:39.99	2:43.39	2:46.99	2:53.19	3:02.29
15-16	100 Y Fly	58.29	59.09	59.99	1:01.09	1:02.09	1:02.89	1:03.69	1:05.39	1:06.99	1:08.89	1:12.19	1:17.39
15-16	200 Y Fly	2:06.09	2:07.69	2:09.49	2:11.59	2:13.69	2:15.29	2:16.79	2:19.59	2:22.49	2:25.79	2:31.29	2:40.49
15-16	200 Y IM	2:09.69	2:11.39	2:13.19	2:15.29	2:17.49	2:19.29	2:20.89	2:23.89	2:26.89	2:30.09	2:35.59	2:43.99
15-16	400 Y IM	4:28.69	4:32.09	4:35.49	4:39.09	4:42.89	4:45.79	4:48.49	4:53.49	4:58.49	5:03.19	5:11.99	5:26.39
17-18	50 Y Free	24.29	24.59	24.89	25.19	25.49	25.79	26.09	26.49	26.99	27.49	28.39	29.69
17-18	100 Y Free	52.69	53.19	53.79	54.49	55.19	55.89	56.39	57.39	58.49	59.59	1:01.49	1:04.49
17-18	200 Y Free	1:52.89	1:54.09	1:55.39	1:56.99	1:58.49	1:59.79	2:00.99	2:03.39	2:05.69	2:07.89	2:12.29	2:19.39
17-18	500 Y Free	4:56.99	5:00.19	5:03.79	5:07.99	5:11.89	5:15.19	5:18.09	5:23.89	5:29.59	5:35.59	5:46.29	6:03.59
17-18	1000 Y Free	10:04.39	10:11.29	10:18.39	10:26.19	10:32.79	10:38.29	10:44.69	10:54.59	11:04.29	11:15.49	11:36.59	12:11.79
17-18	1650 Y Free	16:46.89	16:59.69	17:14.09	17:23.99	17:36.39	17:46.19	17:55.39	18:14.49	18:32.99	18:51.19	19:24.39	20:17.09
17-18	100 Y Back	58.49	59.09	59.89	1:00.79	1:01.89	1:02.79	1:03.79	1:05.29	1:06.89	1:08.59	1:11.19	1:15.39
17-18	200 Y Back	2:04.99	2:06.59	2:07.99	2:09.89	2:11.89	2:13.69	2:15.39	2:18.49	2:21.39	2:23.89	2:28.79	2:36.29
17-18	100 Y Breast	1:05.69	1:06.59	1:07.69	1:08.89	1:10.19	1:11.19	1:11.99	1:13.69	1:15.39	1:17.29	1:20.39	1:25.09
17-18	200 Y Breast	2:21.09	2:22.49	2:24.69	2:26.99	2:29.19	2:31.09	2:32.79	2:35.79	2:38.49	2:41.79	2:47.29	2:55.99
17-18	100 Y Fly	57.49	58.09	58.89	59.89	1:00.69	1:01.39	1:01.99	1:03.19	1:04.59	1:06.09	1:08.69	1:13.19
17-18	200 Y Fly	2:04.59	2:05.99	2:07.69	2:09.59	2:11.09	2:12.39	2:13.69	2:16.39	2:18.69	2:21.49	2:26.49	2:34.19
17-18	200 Y IM	2:07.39	2:08.79	2:10.69	2:12.49	2:14.39	2:15.89	2:17.39	2:19.99	2:22.59	2:25.19	2:30.29	2:37.79
17-18	400 Y IM	4:26.39	4:28.69	4:31.49	4:34.69	4:37.59	4:39.79	4:42.19	4:47.29	4:51.89	4:57.09	5:04.59	5:17.29

2005-2008 National Age Group Motivational Times - Percentile Based
Short Course Meters -- Boys

9/13/04

		----- Track I			----- Track II			----- Track III			----- Track IV		
		98%	96.5%	94%	90%	85%	80%	75%	65%	55%	45%	30%	15%
10 & Under	50 M Free	32.89	33.69	34.59	35.69	36.89	37.89	38.89	40.89	42.89	45.19	49.69	56.99
10 & Under	100 M Free	1:11.19	1:12.89	1:14.79	1:17.19	1:19.69	1:21.99	1:24.09	1:28.19	1:32.39	1:36.69	1:44.49	1:56.69
10 & Under	200 M Free	2:30.19	2:32.79	2:36.19	2:40.19	2:44.19	2:47.89	2:51.29	2:57.69	3:04.29	3:11.09	3:23.39	3:41.09
10 & Under	400 M Free	5:05.89	5:12.59	5:18.39	5:25.69	5:33.39	5:39.69	5:44.79	5:55.89	6:07.09	6:18.69	6:40.19	7:10.69
10 & Under	50 M Back	38.29	39.29	40.49	41.79	43.29	44.59	45.79	47.99	50.29	52.69	57.19	1:03.89
10 & Under	100 M Back	1:20.09	1:21.79	1:23.69	1:26.09	1:28.39	1:30.39	1:32.29	1:36.19	1:39.99	1:43.79	1:51.09	2:02.39
10 & Under	50 M Breast	43.29	44.39	45.79	47.39	48.99	50.29	51.49	53.69	55.79	58.09	1:02.19	1:08.69
10 & Under	100 M Breast	1:31.89	1:33.99	1:36.39	1:39.39	1:42.19	1:44.59	1:46.89	1:50.79	1:54.39	1:58.29	2:05.09	2:15.59
10 & Under	50 M Fly	35.79	36.69	37.79	39.29	40.69	42.09	43.39	45.89	48.39	51.19	55.99	1:02.99
10 & Under	100 M Fly	1:17.39	1:19.29	1:21.39	1:23.79	1:26.49	1:28.69	1:30.69	1:34.69	1:38.39	1:42.69	1:50.09	2:00.89
10 & Under	100 M IM	1:21.89	1:23.69	1:26.09	1:28.69	1:31.39	1:34.09	1:36.29	1:40.69	1:44.89	1:49.19	1:56.79	2:08.19
10 & Under	200 M IM	2:49.29	2:52.19	2:55.69	2:59.69	3:03.49	3:06.99	3:10.09	3:15.99	3:21.89	3:27.89	3:38.19	3:53.59
11-12	50 M Free	28.59	29.19	29.79	30.59	31.29	31.99	32.49	33.49	34.59	35.79	37.99	41.49
11-12	100 M Free	1:02.09	1:03.29	1:04.79	1:06.39	1:08.09	1:09.59	1:10.89	1:13.39	1:15.99	1:18.79	1:24.19	1:32.59
11-12	200 M Free	2:13.29	2:15.59	2:18.39	2:21.69	2:25.09	2:27.79	2:30.39	2:35.19	2:39.99	2:45.39	2:55.49	3:10.69
11-12	400 M Free	4:38.69	4:42.99	4:48.39	4:54.29	5:00.09	5:04.49	5:08.79	5:16.79	5:25.19	5:34.19	5:50.29	6:14.59
11-12	800 M Free	9:23.79	9:28.49	9:36.29	9:46.79	9:59.29	10:08.39	10:17.49	10:32.09	10:49.69	11:05.59	11:32.79	12:14.09
11-12	1500 M Free	17:41.69	17:52.09	18:05.69	18:25.29	18:46.29	19:03.69	19:18.59	19:47.69	20:11.09	20:39.89	21:22.39	22:30.09
11-12	50 M Back	33.19	33.89	34.79	35.79	36.79	37.69	38.39	39.89	41.39	43.09	45.99	50.59
11-12	100 M Back	1:10.29	1:11.79	1:13.59	1:15.59	1:17.39	1:19.09	1:20.59	1:23.29	1:26.19	1:29.39	1:35.19	1:43.99
11-12	200 M Back	2:24.39	2:27.59	2:30.89	2:34.49	2:37.89	2:40.29	2:42.29	2:46.39	2:50.49	2:54.89	3:02.69	3:15.89
11-12	50 M Breast	36.79	37.79	38.89	40.29	41.49	42.59	43.49	45.29	46.99	48.69	51.69	56.19
11-12	100 M Breast	1:18.89	1:20.79	1:23.09	1:25.69	1:28.29	1:30.29	1:32.19	1:35.79	1:39.19	1:42.79	1:48.79	1:57.59
11-12	200 M Breast	2:45.69	2:48.39	2:51.69	2:55.39	2:59.59	3:03.09	3:06.19	3:11.99	3:17.59	3:23.19	3:33.19	3:48.99
11-12	50 M Fly	31.39	31.99	32.79	33.69	34.69	35.49	36.19	37.59	39.19	40.99	44.39	49.69
11-12	100 M Fly	1:07.99	1:09.39	1:11.09	1:12.99	1:14.89	1:16.49	1:18.09	1:20.99	1:24.09	1:27.39	1:33.59	1:42.69
11-12	200 M Fly	2:24.09	2:26.69	2:30.69	2:33.89	2:36.79	2:39.69	2:42.19	2:46.79	2:51.79	2:56.89	3:05.19	3:20.39
11-12	100 M IM	1:11.19	1:12.59	1:14.39	1:16.39	1:18.39	1:20.09	1:21.49	1:24.39	1:27.19	1:30.19	1:35.49	1:43.49
11-12	200 M IM	2:30.29	2:32.99	2:36.19	2:39.69	2:43.39	2:46.29	2:48.89	2:53.69	2:58.49	3:03.69	3:13.39	3:27.49
11-12	400 M IM	5:07.09	5:12.89	5:19.39	5:25.99	5:32.19	5:36.89	5:41.19	5:49.19	5:57.59	6:05.89	6:22.39	6:45.59
13-14	50 M Free	25.99	26.39	26.79	27.29	27.69	28.19	28.49	29.19	29.99	30.69	32.09	34.29
13-14	100 M Free	56.59	57.39	58.29	59.39	1:00.59	1:01.59	1:02.39	1:04.09	1:05.79	1:07.59	1:10.99	1:16.79
13-14	200 M Free	2:02.29	2:04.19	2:06.19	2:08.49	2:10.89	2:12.99	2:14.79	2:18.59	2:22.29	2:26.39	2:33.89	2:45.49
13-14	400 M Free	4:16.79	4:20.19	4:23.99	4:28.69	4:33.19	4:36.89	4:40.49	4:47.09	4:53.59	5:00.39	5:13.49	5:34.29
13-14	800 M Free	8:41.29	8:50.79	8:57.49	9:04.89	9:11.69	9:18.09	9:24.39	9:35.59	9:46.39	9:57.99	10:20.49	10:55.09
13-14	1500 M Free	16:34.89	16:46.69	17:00.69	17:16.09	17:31.79	17:43.89	17:55.49	18:17.09	18:37.39	18:58.49	19:35.79	20:38.69
13-14	100 M Back	1:03.39	1:04.59	1:05.89	1:07.39	1:08.99	1:10.39	1:11.69	1:14.09	1:16.39	1:18.89	1:23.29	1:30.29
13-14	200 M Back	2:14.69	2:17.09	2:19.79	2:22.59	2:25.39	2:27.79	2:29.89	2:33.99	2:38.09	2:42.39	2:50.09	3:01.69
13-14	100 M Breast	1:11.49	1:12.69	1:14.29	1:16.19	1:18.09	1:19.79	1:21.19	1:23.99	1:26.69	1:29.59	1:34.69	1:41.99
13-14	200 M Breast	2:32.79	2:35.39	2:38.49	2:42.19	2:45.39	2:48.39	2:50.99	2:55.79	3:00.59	3:05.39	3:14.49	3:28.19
13-14	100 M Fly	1:01.89	1:02.79	1:03.99	1:05.39	1:06.79	1:08.09	1:09.19	1:11.49	1:13.89	1:16.49	1:21.39	1:29.39
13-14	200 M Fly	2:13.79	2:15.89	2:18.19	2:20.79	2:23.49	2:25.79	2:27.79	2:31.59	2:35.59	2:39.69	2:47.59	3:00.09
13-14	200 M IM	2:17.89	2:20.19	2:22.69	2:25.39	2:28.19	2:30.69	2:32.89	2:37.09	2:41.09	2:45.39	2:53.29	3:05.09
13-14	400 M IM	4:46.59	4:50.49	4:54.79	4:59.59	5:03.99	5:07.89	5:11.39	5:17.89	5:24.09	5:31.09	5:42.79	6:00.69
15-16	50 M Free	24.49	24.79	25.09	25.49	25.89	26.19	26.49	26.99	27.49	27.99	28.89	30.29
15-16	100 M Free	53.59	54.19	54.79	55.59	56.39	56.99	57.69	58.79	59.99	1:01.29	1:03.49	1:06.69
15-16	200 M Free	1:55.99	1:57.29	1:58.79	2:00.49	2:02.29	2:03.89	2:05.39	2:07.99	2:10.59	2:13.39	2:18.59	2:26.49
15-16	400 M Free	4:04.89	4:07.49	4:10.39	4:13.99	4:17.69	4:20.49	4:22.99	4:28.39	4:33.69	4:38.89	4:49.39	5:04.99
15-16	800 M Free	8:20.19	8:24.49	8:30.99	8:38.39	8:44.09	8:49.59	8:53.99	9:02.79	9:12.79	9:22.99	9:40.39	10:08.39
15-16	1500 M Free	15:49.49	15:59.99	16:11.49	16:25.79	16:36.39	16:46.29	16:57.09	17:14.99	17:32.19	17:49.09	18:19.79	19:10.39
15-16	100 M Back	59.59	1:00.39	1:01.39	1:02.49	1:03.69	1:04.59	1:05.59	1:07.29	1:09.09	1:10.89	1:14.09	1:19.19
15-16	200 M Back	2:07.69	2:09.39	2:11.29	2:13.29	2:15.49	2:17.19	2:18.79	2:22.09	2:25.29	2:28.59	2:34.49	2:43.49
15-16	100 M Breast	1:07.09	1:07.99	1:09.09	1:10.49	1:11.89	1:13.09	1:14.19	1:16.19	1:18.19	1:20.29	1:24.09	1:29.39
15-16	200 M Breast	2:24.49	2:26.59	2:28.89	2:31.59	2:34.29	2:36.59	2:38.69	2:42.49	2:46.19	2:49.69	2:56.39	3:06.79
15-16	100 M Fly	58.09	58.79	59.79	1:00.79	1:01.79	1:02.69	1:03.59	1:05.09	1:06.59	1:08.39	1:11.49	1:16.69
15-16	200 M Fly	2:07.09	2:08.89	2:10.69	2:12.59	2:14.29	2:15.89	2:17.69	2:20.49	2:23.39	2:26.49	2:32.39	2:42.29
15-16	200 M IM	2:10.79	2:12.39	2:14.09	2:16.09	2:18.29	2:20.09	2:21.89	2:25.19	2:28.39	2:31.59	2:37.69	2:46.19
15-16	400 M IM	4:33.99	4:36.69	4:39.69	4:43.39	4:47.09	4:50.19	4:52.79	4:58.49	5:03.69	5:09.39	5:19.09	5:33.49
17-18	50 M Free	23.79	23.99	24.29	24.59	24.89	25.19	25.39	25.89	26.29	26.69	27.39	28.59
17-18	100 M Free	52.09	52.59	53.19	53.89	54.49	55.09	55.59	56.49	57.49	58.39	1:00.19	1:03.19
17-18	200 M Free	1:53.19	1:54.29	1:55.59	1:57.09	1:58.49	1:59.69	2:00.89	2:03.19	2:05.29	2:07.79	2:12.09	2:18.39
17-18	400 M Free	4:00.39	4:02.49	4:04.79	4:07.79	4:10.89	4:13.79	4:16.39	4:21.09	4:25.59	4:30.49	4:39.59	4:52.59
17-18	800 M Free	8:14.69	8:18.79	8:23.19	8:27.89	8:34.79	8:39.69	8:42.79	8:50.69	8:58.79	9:07.59	9:24.49	9:48.19
17-18	1500 M Free	15:37.59	15:46.09	15:55.79	16:05.79	16:18.49	16:28.49	16:37.49	16:54.19	17:08.69	17:24.59	17:53.29	18:49.69
17-18	100 M Back	57.89	58.59	59.39	1:00.39	1:01.39	1:02.19	1:02.89	1:04.39	1:05.79	1:07.39	1:10.29	1:14.49
17-18	200 M Back	2:04.09	2:05.59	2:07.39	2:09.39	2:11.19	2:12.69	2:13.99	2:16.79	2:19.89	2:22.79	2:27.99	2:35.59
17-18	100 M Breast	1:04.89	1:05.69	1:06.49	1:07.59	1:08.69	1:09.59	1:10.49	1:12.19	1:13.89	1:15.79	1:18.99	1:23.29
17-18	200 M Breast	2:19.99	2:21.59	2:23.79	2:25.89	2:28.39	2:30.39	2:31.99	2:35.49	2:38.79	2:41.99	2:47.99	2:56.79
17-18	100 M Fly	56.49	57.09	57.99	58.79	59.59	1:00.29	1:00.89	1:02.19	1:03.59	1:04.89	1:07.39	1:11.09
17-18	200 M Fly	2:04.29	2:05.69	2:06.89	2:08.29	2:09.89	2:11.39	2:12.79	2:15.19	2:17.69	2:20.29	2:25.49	2:32.99
17-18	200 M IM	2:07.39	2:08.69	2:10.19	2:11.99	2:13.79	2:15.39	2:16.79	2:19.59	2:22.49	2:25.39	2:30.59	2:37.69
17-18	400 M IM	4:26.89	4:29.29	4:32.69	4:35.79	4:38.99	4:41.69	4:44.79	4:49.49	4:54.09	4:59.09	5:08.09	5:21.79

2005-2008 National Age Group Motivational Times - Percentile Based
Short Course Meters -- Girls

9/13/04

		----- Track I			----- Track II			----- Track III			----- Track IV		
		98%	96.5%	94%	90%	85%	80%	75%	65%	55%	45%	30%	15%
10 & Under	50 M Free	33.39	34.19	35.19	36.29	37.49	38.49	39.49	41.39	43.39	45.59	49.69	56.49
10 & Under	100 M Free	1:12.39	1:14.09	1:16.09	1:18.59	1:21.09	1:23.39	1:25.59	1:29.49	1:33.59	1:37.79	1:45.19	1:56.69
10 & Under	200 M Free	2:32.39	2:35.49	2:38.89	2:43.09	2:47.09	2:50.69	2:54.19	3:00.69	3:07.19	3:13.99	3:25.89	3:43.49
10 & Under	400 M Free	5:12.29	5:17.29	5:24.19	5:31.89	5:39.59	5:46.39	5:52.09	6:02.49	6:13.59	6:24.89	6:45.59	7:13.99
10 & Under	50 M Back	38.89	39.89	41.09	42.59	43.99	45.19	46.29	48.49	50.69	52.99	57.09	1:03.29
10 & Under	100 M Back	1:21.39	1:23.19	1:25.29	1:27.69	1:29.99	1:32.09	1:33.99	1:37.69	1:41.19	1:45.09	1:52.29	2:03.09
10 & Under	50 M Breast	43.49	44.59	45.99	47.59	49.19	50.49	51.69	53.79	55.89	58.09	1:02.09	1:08.39
10 & Under	100 M Breast	1:31.99	1:34.29	1:36.89	1:39.59	1:42.29	1:44.69	1:46.89	1:50.89	1:54.59	1:58.29	2:04.79	2:14.59
10 & Under	50 M Fly	36.39	37.39	38.59	40.09	41.59	42.89	44.19	46.59	48.99	51.49	55.79	1:02.29
10 & Under	100 M Fly	1:18.89	1:20.79	1:23.09	1:25.99	1:28.79	1:31.09	1:33.29	1:37.19	1:40.99	1:45.29	1:52.29	2:02.49
10 & Under	100 M IM	1:23.19	1:25.29	1:27.69	1:30.49	1:33.39	1:35.89	1:38.09	1:42.39	1:46.49	1:50.79	1:58.19	2:09.09
10 & Under	200 M IM	2:51.59	2:55.09	2:58.69	3:02.89	3:07.09	3:10.69	3:13.79	3:19.59	3:25.49	3:31.69	3:41.99	3:57.79
11-12	50 M Free	29.69	30.09	30.69	31.39	31.99	32.49	32.99	33.89	34.89	35.99	37.89	41.19
11-12	100 M Free	1:04.09	1:05.09	1:06.39	1:07.79	1:09.29	1:10.59	1:11.79	1:14.09	1:16.39	1:18.99	1:23.79	1:31.39
11-12	200 M Free	2:16.79	2:18.99	2:21.59	2:24.69	2:27.69	2:30.29	2:32.59	2:36.99	2:41.59	2:46.49	2:55.59	3:09.39
11-12	400 M Free	4:44.99	4:49.39	4:54.09	4:59.69	5:05.19	5:09.39	5:13.59	5:21.49	5:29.59	5:38.39	5:53.59	6:17.39
11-12	800 M Free	9:32.09	9:40.79	9:47.59	10:01.99	10:12.99	10:21.69	10:29.89	10:45.29	10:58.99	11:14.39	11:44.69	12:24.39
11-12	1500 M Free	18:00.99	18:20.79	18:36.69	18:52.69	19:10.29	19:28.99	19:42.39	20:09.59	20:38.79	21:06.69	21:57.89	23:11.39
11-12	50 M Back	34.19	34.89	35.69	36.59	37.49	38.29	39.09	40.39	41.69	43.19	45.79	49.89
11-12	100 M Back	1:12.09	1:13.49	1:15.09	1:16.99	1:18.79	1:20.39	1:21.79	1:24.39	1:27.09	1:29.79	1:34.89	1:43.29
11-12	200 M Back	2:29.59	2:31.99	2:34.79	2:37.99	2:40.89	2:43.39	2:45.39	2:49.49	2:53.29	2:57.19	3:04.59	3:15.39
11-12	50 M Breast	37.89	38.79	39.79	40.89	41.99	42.89	43.69	45.19	46.69	48.19	50.79	54.89
11-12	100 M Breast	1:21.09	1:22.79	1:24.79	1:27.09	1:29.29	1:31.09	1:32.69	1:35.79	1:38.79	1:41.79	1:47.29	1:55.19
11-12	200 M Breast	2:48.49	2:51.69	2:55.19	2:59.09	3:02.89	3:05.89	3:08.39	3:13.39	3:18.19	3:23.29	3:31.99	3:45.09
11-12	50 M Fly	32.29	32.89	33.59	34.49	35.39	36.09	36.79	38.19	39.69	41.19	44.19	48.79
11-12	100 M Fly	1:10.19	1:11.49	1:12.89	1:14.69	1:16.59	1:18.09	1:19.69	1:22.59	1:25.49	1:28.59	1:34.19	1:42.79
11-12	200 M Fly	2:28.69	2:30.79	2:33.39	2:36.69	2:40.09	2:42.89	2:45.09	2:49.49	2:54.29	2:59.19	3:07.99	3:21.39
11-12	100 M IM	1:13.39	1:14.69	1:16.39	1:18.19	1:19.89	1:21.39	1:22.79	1:25.29	1:27.89	1:30.59	1:35.29	1:42.29
11-12	200 M IM	2:34.39	2:36.99	2:39.69	2:43.19	2:46.39	2:49.09	2:51.59	2:56.19	3:00.79	3:05.69	3:14.39	3:27.39
11-12	400 M IM	5:16.89	5:21.29	5:26.29	5:32.69	5:38.09	5:42.99	5:47.09	5:54.79	6:02.39	6:10.59	6:24.49	6:44.89
13-14	50 M Free	28.09	28.49	28.89	29.39	29.89	30.29	30.69	31.39	31.99	32.69	33.99	35.99
13-14	100 M Free	1:00.89	1:01.69	1:02.69	1:03.79	1:04.89	1:05.79	1:06.59	1:08.19	1:09.89	1:11.69	1:14.89	1:20.09
13-14	200 M Free	2:10.59	2:12.29	2:14.29	2:16.79	2:19.29	2:21.29	2:23.19	2:26.69	2:30.29	2:34.09	2:40.99	2:51.79
13-14	400 M Free	4:31.89	4:35.19	4:39.29	4:43.99	4:48.39	4:52.19	4:55.59	5:01.99	5:08.39	5:15.09	5:27.89	5:47.19
13-14	800 M Free	9:09.49	9:16.59	9:24.09	9:32.59	9:41.19	9:47.99	9:53.79	10:05.49	10:16.99	10:28.79	10:52.19	11:28.59
13-14	1500 M Free	17:25.89	17:38.49	17:52.39	18:08.79	18:24.09	18:35.09	18:46.29	19:06.29	19:25.59	19:45.49	20:26.19	21:27.39
13-14	100 M Back	1:08.09	1:09.29	1:10.69	1:12.39	1:13.99	1:15.29	1:16.49	1:18.69	1:20.89	1:23.09	1:27.09	1:33.39
13-14	200 M Back	2:24.89	2:27.19	2:29.69	2:32.49	2:35.09	2:37.39	2:39.49	2:43.29	2:47.09	2:50.89	2:57.69	3:08.09
13-14	100 M Breast	1:17.29	1:18.59	1:20.09	1:21.89	1:23.79	1:25.39	1:26.79	1:29.39	1:31.79	1:34.39	1:38.99	1:45.59
13-14	200 M Breast	2:43.89	2:46.49	2:49.29	2:52.79	2:55.99	2:58.79	3:01.19	3:05.69	3:09.99	3:14.49	3:22.49	3:34.79
13-14	100 M Fly	1:06.79	1:07.69	1:08.89	1:10.39	1:11.89	1:13.19	1:14.39	1:16.69	1:19.09	1:21.59	1:26.39	1:33.59
13-14	200 M Fly	2:24.19	2:25.99	2:28.39	2:30.99	2:33.69	2:35.99	2:37.89	2:41.89	2:45.79	2:49.79	2:57.59	3:09.59
13-14	200 M IM	2:27.99	2:29.99	2:32.39	2:35.29	2:38.09	2:40.49	2:42.59	2:46.49	2:50.39	2:54.59	3:01.89	3:12.89
13-14	400 M IM	5:05.19	5:09.29	5:13.19	5:18.09	5:22.79	5:26.89	5:30.29	5:36.59	5:42.49	5:48.69	5:59.19	6:16.39
15-16	50 M Free	27.29	27.59	27.99	28.39	28.79	29.19	29.49	30.09	30.59	31.19	32.19	33.69
15-16	100 M Free	59.09	59.79	1:00.59	1:01.49	1:02.39	1:03.19	1:03.89	1:05.29	1:06.49	1:07.89	1:10.29	1:14.09
15-16	200 M Free	2:06.69	2:08.09	2:09.89	2:11.69	2:13.69	2:15.39	2:16.99	2:19.89	2:22.79	2:25.89	2:31.49	2:39.79
15-16	400 M Free	4:23.79	4:26.99	4:30.29	4:34.29	4:38.09	4:41.59	4:44.59	4:50.29	4:55.89	5:01.69	5:12.99	5:30.19
15-16	800 M Free	8:55.39	9:01.39	9:07.79	9:15.59	9:22.99	9:29.19	9:34.49	9:44.09	9:54.29	10:04.69	10:24.79	10:55.79
15-16	1500 M Free	16:55.99	17:09.49	17:22.19	17:35.69	17:47.99	17:59.49	18:09.59	18:29.39	18:48.59	19:07.99	19:43.69	20:42.69
15-16	100 M Back	1:05.79	1:06.59	1:07.69	1:09.09	1:10.49	1:11.69	1:12.79	1:14.69	1:16.59	1:18.49	1:21.79	1:26.69
15-16	200 M Back	2:20.29	2:22.39	2:24.79	2:27.29	2:29.59	2:31.59	2:33.39	2:36.79	2:39.99	2:43.39	2:49.59	2:57.79
15-16	100 M Breast	1:14.39	1:15.49	1:16.59	1:18.09	1:19.59	1:20.89	1:22.09	1:24.39	1:26.69	1:28.79	1:32.59	1:38.19
15-16	200 M Breast	2:38.49	2:40.79	2:43.29	2:45.99	2:48.69	2:50.89	2:52.79	2:56.79	3:00.49	3:04.49	3:11.29	3:21.39
15-16	100 M Fly	1:04.49	1:05.29	1:06.29	1:07.49	1:08.59	1:09.49	1:10.39	1:12.19	1:14.09	1:16.09	1:19.79	1:25.49
15-16	200 M Fly	2:19.29	2:21.09	2:23.09	2:25.49	2:27.69	2:29.49	2:31.19	2:34.29	2:37.49	2:41.09	2:47.19	2:57.29
15-16	200 M IM	2:23.29	2:25.19	2:27.19	2:29.49	2:31.89	2:33.89	2:35.69	2:39.09	2:42.39	2:45.79	2:51.99	3:01.19
15-16	400 M IM	4:56.99	5:00.59	5:04.49	5:08.39	5:12.49	5:15.79	5:18.79	5:24.29	5:29.89	5:35.09	5:44.79	6:00.69
17-18	50 M Free	26.89	27.19	27.49	27.79	28.19	28.49	28.79	29.29	29.79	30.39	31.39	32.79
17-18	100 M Free	58.19	58.79	59.49	1:00.29	1:00.99	1:01.69	1:02.29	1:03.49	1:04.69	1:05.79	1:07.99	1:11.29
17-18	200 M Free	2:04.79	2:06.09	2:07.49	2:09.29	2:10.89	2:12.39	2:13.69	2:16.29	2:18.79	2:21.29	2:26.09	2:33.99
17-18	400 M Free	4:19.89	4:22.69	4:25.89	4:29.59	4:32.89	4:35.79	4:38.39	4:43.49	4:48.49	4:53.69	5:03.09	5:18.19
17-18	800 M Free	8:48.89	8:54.99	9:01.19	9:07.99	9:13.79	9:18.59	9:24.19	9:32.89	9:41.39	9:51.19	10:09.59	10:40.39
17-18	1500 M Free	16:41.09	16:53.79	17:08.09	17:17.89	17:30.19	17:39.99	17:49.09	18:08.09	18:26.49	18:44.69	19:17.59	20:09.99
17-18	100 M Back	1:04.59	1:05.29	1:06.19	1:07.19	1:08.39	1:09.39	1:10.49	1:12.09	1:13.99	1:15.69	1:18.69	1:23.29
17-18	200 M Back	2:18.09	2:19.79	2:21.39	2:23.59	2:25.69	2:27.69	2:29.59	2:32.99	2:36.19	2:39.09	2:44.39	2:52.69
17-18	100 M Breast	1:12.59	1:13.59	1:14.79	1:16.19	1:17.49	1:18.69	1:19.59	1:21.49	1:23.29	1:25.39	1:28.89	1:33.99
17-18	200 M Breast	2:35.89	2:37.49	2:39.89	2:42.49	2:44.79	2:46.99	2:48.79	2:52.19	2:55.19	2:58.79	3:04.89	3:14.49
17-18	100 M Fly	1:03.49	1:04.29	1:05.09	1:06.09	1:07.09	1:07.89	1:08.49	1:09.89	1:11.39	1:12.99	1:15.89	1:20.89
17-18	200 M Fly	2:17.69	2:19.19	2:21.09	2:23.19	2:24.89	2:26.29	2:27.69	2:30.69	2:33.29	2:36.39	2:41.89	2:50.39
17-18	200 M IM	2:20.79	2:22.29	2:24.39	2:26.39	2:28.49	2:30.19	2:31.79	2:34.69	2:37.59	2:40.49	2:45.99	2:54.39
17-18	400 M IM	4:54.39	4:56.89	4:59.99	5:03.49	5:06.69	5:09.19	5:11.89	5:17.49	5:22.49	5:28.29	5:36.59	5:50.59