

HUNDREDTHS / SECONDS CONVERSION TABLE									
Hun	Sec	Hun	Sec	Hun	Sec	Hun	Sec	Hun	Sec
0.01	0.6	0.21	12.6	0.41	24.6	0.61	36.6	0.81	48.6
0.02	1.2	0.22	13.2	0.42	25.2	0.62	37.2	0.82	49.2
0.03	1.8	0.23	13.8	0.43	25.8	0.63	37.8	0.83	49.8
0.04	2.4	0.24	14.4	0.44	26.4	0.64	38.4	0.84	50.4
0.05	3.0	0.25	15.0	0.45	27.0	0.65	39.0	0.85	51.0
0.06	3.6	0.26	15.6	0.46	27.6	0.66	39.6	0.86	51.6
0.07	4.2	0.27	16.2	0.47	28.2	0.67	40.2	0.87	52.2
0.08	4.8	0.28	16.8	0.48	28.8	0.68	40.8	0.88	52.8
0.09	5.4	0.29	17.4	0.49	29.4	0.69	41.4	0.89	53.4
0.10	6.0	0.30	18.0	0.50	30.0	0.70	42.0	0.90	54.0
0.11	6.6	0.31	18.6	0.51	30.6	0.71	42.6	0.91	54.6
0.12	7.2	0.32	19.2	0.52	31.2	0.72	43.2	0.92	55.2
0.13	7.8	0.33	19.8	0.53	31.8	0.73	43.8	0.93	55.8
0.14	8.4	0.34	20.4	0.54	32.4	0.74	44.4	0.94	56.4
0.15	9.0	0.35	21.0	0.55	33.0	0.75	45.0	0.95	57.0
0.16	9.6	0.36	21.6	0.56	33.6	0.76	45.6	0.96	57.6
0.17	10.2	0.37	22.2	0.57	34.2	0.77	46.2	0.97	58.2
0.18	10.8	0.38	22.8	0.58	34.8	0.78	46.8	0.98	58.8
0.19	11.4	0.39	23.4	0.59	35.4	0.79	47.4	0.99	59.4
0.20	12.0	0.40	24.0	0.60	36.0	0.80	48.0	1.00	60.0

HUNDREDTHS / SECONDS CONVERSION							
Hun	Sec	Hun	Sec	Hun	Sec	Hun	Sec
0.01	0.6	0.21	12.6	0.41	24.6	0.61	36.6
0.02	1.2	0.22	13.2	0.42	25.2	0.62	37.2
0.03	1.8	0.23	13.8	0.43	25.8	0.63	37.8
0.04	2.4	0.24	14.4	0.44	26.4	0.64	38.4
0.05	3.0	0.25	15.0	0.45	27.0	0.65	39.0
0.06	3.6	0.26	15.6	0.46	27.6	0.66	39.6
0.07	4.2	0.27	16.2	0.47	28.2	0.67	40.2
0.08	4.8	0.28	16.8	0.48	28.8	0.68	40.8
0.09	5.4	0.29	17.4	0.49	29.4	0.69	41.4
0.10	6.0	0.30	18.0	0.50	30.0	0.70	42.0
0.11	6.6	0.31	18.6	0.51	30.6	0.71	42.6
0.12	7.2	0.32	19.2	0.52	31.2	0.72	43.2
0.13	7.8	0.33	19.8	0.53	31.8	0.73	43.8
0.14	8.4	0.34	20.4	0.54	32.4	0.74	44.4
0.15	9.0	0.35	21.0	0.55	33.0	0.75	45.0
0.16	9.6	0.36	21.6	0.56	33.6	0.76	45.6
0.17	10.2	0.37	22.2	0.57	34.2	0.77	46.2
0.18	10.8	0.38	22.8	0.58	34.8	0.78	46.8
0.19	11.4	0.39	23.4	0.59	35.4	0.79	47.4
0.20	12.0	0.40	24.0	0.60	36.0	0.80	48.0

HUNDREDTHS / SECONDS CONVERSION TABLE									
Hun	Sec	Hun	Sec	Hun	Sec	Hun	Sec	Hun	Sec
0.01	0.6	0.21	12.6	0.41	24.6	0.61	36.6	0.81	48.6
0.02	1.2	0.22	13.2	0.42	25.2	0.62	37.2	0.82	49.2
0.03	1.8	0.23	13.8	0.43	25.8	0.63	37.8	0.83	49.8
0.04	2.4	0.24	14.4	0.44	26.4	0.64	38.4	0.84	50.4
0.05	3.0	0.25	15.0	0.45	27.0	0.65	39.0	0.85	51.0
0.06	3.6	0.26	15.6	0.46	27.6	0.66	39.6	0.86	51.6
0.07	4.2	0.27	16.2	0.47	28.2	0.67	40.2	0.87	52.2
0.08	4.8	0.28	16.8	0.48	28.8	0.68	40.8	0.88	52.8
0.09	5.4	0.29	17.4	0.49	29.4	0.69	41.4	0.89	53.4
0.10	6.0	0.30	18.0	0.50	30.0	0.70	42.0	0.90	54.0
0.11	6.6	0.31	18.6	0.51	30.6	0.71	42.6	0.91	54.6
0.12	7.2	0.32	19.2	0.52	31.2	0.72	43.2	0.92	55.2
0.13	7.8	0.33	19.8	0.53	31.8	0.73	43.8	0.93	55.8
0.14	8.4	0.34	20.4	0.54	32.4	0.74	44.4	0.94	56.4
0.15	9.0	0.35	21.0	0.55	33.0	0.75	45.0	0.95	57.0
0.16	9.6	0.36	21.6	0.56	33.6	0.76	45.6	0.96	57.6
0.17	10.2	0.37	22.2	0.57	34.2	0.77	46.2	0.97	58.2
0.18	10.8	0.38	22.8	0.58	34.8	0.78	46.8	0.98	58.8
0.19	11.4	0.39	23.4	0.59	35.4	0.79	47.4	0.99	59.4
0.20	12.0	0.40	24.0	0.60	36.0	0.80	48.0	1.00	60.0

HUNDREDTHS / SECONDS CONVERSION							
Hun	Sec	Hun	Sec	Hun	Sec	Hun	Sec
0.01	0.6	0.21	12.6	0.41	24.6	0.61	36.6
0.02	1.2	0.22	13.2	0.42	25.2	0.62	37.2
0.03	1.8	0.23	13.8	0.43	25.8	0.63	37.8
0.04	2.4	0.24	14.4	0.44	26.4	0.64	38.4
0.05	3.0	0.25	15.0	0.45	27.0	0.65	39.0
0.06	3.6	0.26	15.6	0.46	27.6	0.66	39.6
0.07	4.2	0.27	16.2	0.47	28.2	0.67	40.2
0.08	4.8	0.28	16.8	0.48	28.8	0.68	40.8
0.09	5.4	0.29	17.4	0.49	29.4	0.69	41.4
0.10	6.0	0.30	18.0	0.50	30.0	0.70	42.0
0.11	6.6	0.31	18.6	0.51	30.6	0.71	42.6
0.12	7.2	0.32	19.2	0.52	31.2	0.72	43.2
0.13	7.8	0.33	19.8	0.53	31.8	0.73	43.8
0.14	8.4	0.34	20.4	0.54	32.4	0.74	44.4
0.15	9.0	0.35	21.0	0.55	33.0	0.75	45.0
0.16	9.6	0.36	21.6	0.56	33.6	0.76	45.6
0.17	10.2	0.37	22.2	0.57	34.2	0.77	46.2
0.18	10.8	0.38	22.8	0.58	34.8	0.78	46.8
0.19	11.4	0.39	23.4	0.59	35.4	0.79	47.4
0.20	12.0	0.40	24.0	0.60	36.0	0.80	48.0

TABLE	
Hun	Sec
0.81	48.6
0.82	49.2
0.83	49.8
0.84	50.4
0.85	51.0
0.86	51.6
0.87	52.2
0.88	52.8
0.89	53.4
0.90	54.0
0.91	54.6
0.92	55.2
0.93	55.8
0.94	56.4
0.95	57.0
0.96	57.6
0.97	58.2
0.98	58.8
0.99	59.4
1.00	60.0

TABLE	
Hun	Sec
0.81	48.6
0.82	49.2
0.83	49.8
0.84	50.4
0.85	51.0
0.86	51.6
0.87	52.2
0.88	52.8
0.89	53.4
0.90	54.0
0.91	54.6
0.92	55.2
0.93	55.8
0.94	56.4
0.95	57.0
0.96	57.6
0.97	58.2
0.98	58.8
0.99	59.4
1.00	60.0

SECONDS / HUNDREDTHS					
Sec	Hun	Sec	Hun	Sec	Hun
1	1.67	21	35.00	41	68.33
2	3.33	22	36.67	42	70.00
3	5.00	23	38.33	43	71.67
4	6.67	24	40.00	44	73.33
5	8.33	25	41.67	45	75.00
6	10.00	26	43.33	46	76.67
7	11.67	27	45.00	47	78.33
8	13.33	28	46.67	48	80.00
9	15.00	29	48.33	49	81.67
10	16.67	30	50.00	50	83.33
11	18.33	31	51.67	51	85.00
12	20.00	32	53.33	52	86.67
13	21.67	33	55.00	53	88.33
14	23.33	34	56.67	54	90.00
15	25.00	35	58.33	55	91.67
16	26.67	36	60.00	56	93.33
17	28.33	37	61.67	57	95.00
18	30.00	38	63.33	58	96.67
19	31.67	39	65.00	59	98.33
20	33.33	40	66.67	60	100.00

SECONDS / HUNDREDTHS					
Sec	Hun	Sec	Hun	Sec	Hun
1	1.67	21	35.00	41	68.33
2	3.33	22	36.67	42	70.00
3	5.00	23	38.33	43	71.67
4	6.67	24	40.00	44	73.33
5	8.33	25	41.67	45	75.00
6	10.00	26	43.33	46	76.67
7	11.67	27	45.00	47	78.33
8	13.33	28	46.67	48	80.00
9	15.00	29	48.33	49	81.67
10	16.67	30	50.00	50	83.33
11	18.33	31	51.67	51	85.00
12	20.00	32	53.33	52	86.67
13	21.67	33	55.00	53	88.33
14	23.33	34	56.67	54	90.00
15	25.00	35	58.33	55	91.67
16	26.67	36	60.00	56	93.33
17	28.33	37	61.67	57	95.00
18	30.00	38	63.33	58	96.67
19	31.67	39	65.00	59	98.33
20	33.33	40	66.67	60	100.00

SECONDS / HUNDREDTHS					
Sec	Hun	Sec	Hun	Sec	Hun
1	1.7	21	35.0	41	68.3
2	3.3	22	36.7	42	70.0
3	5.0	23	38.3	43	71.7
4	6.7	24	40.0	44	73.3
5	8.3	25	41.7	45	75.0
6	10.0	26	43.3	46	76.7
7	11.7	27	45.0	47	78.3
8	13.3	28	46.7	48	80.0
9	15.0	29	48.3	49	81.7
10	16.7	30	50.0	50	83.3
11	18.3	31	51.7	51	85.0
12	20.0	32	53.3	52	86.7
13	21.7	33	55.0	53	88.3
14	23.3	34	56.7	54	90.0
15	25.0	35	58.3	55	91.7
16	26.7	36	60.0	56	93.3
17	28.3	37	61.7	57	95.0
18	30.0	38	63.3	58	96.7

SECONDS / HUNDREDTHS					
Sec	Hun	Sec	Hun	Sec	Hun
1	1.7	21	35.0	41	68.3
2	3.3	22	36.7	42	70.0
3	5.0	23	38.3	43	71.7
4	6.7	24	40.0	44	73.3
5	8.3	25	41.7	45	75.0
6	10.0	26	43.3	46	76.7
7	11.7	27	45.0	47	78.3
8	13.3	28	46.7	48	80.0
9	15.0	29	48.3	49	81.7
10	16.7	30	50.0	50	83.3
11	18.3	31	51.7	51	85.0
12	20.0	32	53.3	52	86.7
13	21.7	33	55.0	53	88.3
14	23.3	34	56.7	54	90.0
15	25.0	35	58.3	55	91.7
16	26.7	36	60.0	56	93.3
17	28.3	37	61.7	57	95.0
18	30.0	38	63.3	58	96.7

19	31.7	39	65.0	59	98.3
20	33.3	40	66.7	60	100.0

19	31.7	39	65.0	59	98.3
20	33.3	40	66.7	60	100.0

HUNDREDTHS OF MINUTE PER TENTH OF MILE (600/CAST)

CST	HUND	CST	HUND	CST	HUND	CST	HUND	CST	HUND
1	600.0000	21	28.5714	41	14.6341	61	9.8361	81	7.4074
2	300.0000	22	27.2727	42	14.2857	62	9.6774	82	7.3171
3	200.0000	23	26.0870	43	13.9535	63	9.5238	83	7.2289
4	150.0000	24	25.0000	44	13.6364	64	9.3750	84	7.1429
5	120.0000	25	24.0000	45	13.3333	65	9.2308	85	7.0588
6	100.0000	26	23.0769	46	13.0435	66	9.0909	86	6.9767
7	85.7143	27	22.2222	47	12.7660	67	8.9552	87	6.8966
8	75.0000	28	21.4286	48	12.5000	68	8.8235	88	6.8182
9	66.6667	29	20.6897	49	12.2449	69	8.6957	89	6.7416
10	60.0000	30	20.0000	50	12.0000	70	8.5714	90	6.6667
11	54.5455	31	19.3548	51	11.7647	71	8.4507	91	6.5934
12	50.0000	32	18.7500	52	11.5385	72	8.3333	92	6.5217
13	46.1538	33	18.1818	53	11.3208	73	8.2192	93	6.4516
14	42.8571	34	17.6471	54	11.1111	74	8.1081	94	6.3830
15	40.0000	35	17.1429	55	10.9091	75	8.0000	95	6.3158
16	37.5000	36	16.6667	56	10.7143	76	7.8947	96	6.2500
17	35.2941	37	16.2162	57	10.5263	77	7.7922	97	6.1856
18	33.3333	38	15.7895	58	10.3448	78	7.6923	98	6.1224
19	31.5789	39	15.3846	59	10.1695	79	7.5949	99	6.0606
20	30.0000	40	15.0000	60	10.0000	80	7.5000	100	6.0000

MINUTES PER MILE (60/CAST)

CST	HUND	CST	HUND	CST	HUND	CST	HUND	CST	HUND
1	60.0000	21	2.8571	41	1.4634	61	0.9836	81	0.7407
2	30.0000	22	2.7273	42	1.4286	62	0.9677	82	0.7317
3	20.0000	23	2.6087	43	1.3953	63	0.9524	83	0.7229
4	15.0000	24	2.5000	44	1.3636	64	0.9375	84	0.7143
5	12.0000	25	2.4000	45	1.3333	65	0.9231	85	0.7059
6	10.0000	26	2.3077	46	1.3043	66	0.9091	86	0.6977
7	8.5714	27	2.2222	47	1.2766	67	0.8955	87	0.6897
8	7.5000	28	2.1429	48	1.2500	68	0.8824	88	0.6818
9	6.6667	29	2.0690	49	1.2245	69	0.8696	89	0.6742
10	6.0000	30	2.0000	50	1.2000	70	0.8571	90	0.6667
11	5.4545	31	1.9355	51	1.1765	71	0.8451	91	0.6593
12	5.0000	32	1.8750	52	1.1538	72	0.8333	92	0.6522
13	4.6154	33	1.8182	53	1.1321	73	0.8219	93	0.6452
14	4.2857	34	1.7647	54	1.1111	74	0.8108	94	0.6383
15	4.0000	35	1.7143	55	1.0909	75	0.8000	95	0.6316
16	3.7500	36	1.6667	56	1.0714	76	0.7895	96	0.6250
17	3.5294	37	1.6216	57	1.0526	77	0.7792	97	0.6186
18	3.3333	38	1.5789	58	1.0345	78	0.7692	98	0.6122
19	3.1579	39	1.5385	59	1.0169	79	0.7595	99	0.6061
20	3.0000	40	1.5000	60	1.0000	80	0.7500	100	0.6000

SECONDS PER TENTH OF A MILE (360/CAST)

CST	SEC	CST	SEC	CST	SEC	CST	SEC	CST	SEC
1	360.0000	21	17.1429	41	8.7805	61	5.9016	81	4.4444
2	180.0000	22	16.3636	42	8.5714	62	5.8065	82	4.3902
3	120.0000	23	15.6522	43	8.3721	63	5.7143	83	4.3373
4	90.0000	24	15.0000	44	8.1818	64	5.6250	84	4.2857
5	72.0000	25	14.4000	45	8.0000	65	5.5385	85	4.2353
6	60.0000	26	13.8462	46	7.8261	66	5.4545	86	4.1860
7	51.4286	27	13.3333	47	7.6596	67	5.3731	87	4.1379
8	45.0000	28	12.8571	48	7.5000	68	5.2941	88	4.0909
9	40.0000	29	12.4138	49	7.3469	69	5.2174	89	4.0449
10	36.0000	30	12.0000	50	7.2000	70	5.1429	90	4.0000
11	32.7273	31	11.6129	51	7.0588	71	5.0704	91	3.9560
12	30.0000	32	11.2500	52	6.9231	72	5.0000	92	3.9130
13	27.6923	33	10.9091	53	6.7925	73	4.9315	93	3.8710
14	25.7143	34	10.5882	54	6.6667	74	4.8649	94	3.8298
15	24.0000	35	10.2857	55	6.5455	75	4.8000	95	3.7895
16	22.5000	36	10.0000	56	6.4286	76	4.7368	96	3.7500
17	21.1765	37	9.7297	57	6.3158	77	4.6753	97	3.7113
18	20.0000	38	9.4737	58	6.2069	78	4.6154	98	3.6735
19	18.9474	39	9.2308	59	6.1017	79	4.5570	99	3.6364
20	18.0000	40	9.0000	60	6.0000	80	4.5000	100	3.6000

SECONDS PER MILE (3600/CAST)

CST	SEC	CST	SEC	CST	SEC	CST	SEC	CST	SEC
1	3600.0000	21	171.4286	41	87.8049	61	59.0164	81	44.4444
2	1800.0000	22	163.6364	42	85.7143	62	58.0645	82	43.9024
3	1200.0000	23	156.5217	43	83.7209	63	57.1429	83	43.3735
4	900.0000	24	150.0000	44	81.8182	64	56.2500	84	42.8571
5	720.0000	25	144.0000	45	80.0000	65	55.3846	85	42.3529
6	600.0000	26	138.4615	46	78.2609	66	54.5455	86	41.8605
7	514.2857	27	133.3333	47	76.5957	67	53.7313	87	41.3793
8	450.0000	28	128.5714	48	75.0000	68	52.9412	88	40.9091
9	400.0000	29	124.1379	49	73.4694	69	52.1739	89	40.4494
10	360.0000	30	120.0000	50	72.0000	70	51.4286	90	40.0000
11	327.2727	31	116.1290	51	70.5882	71	50.7042	91	39.5604
12	300.0000	32	112.5000	52	69.2308	72	50.0000	92	39.1304
13	276.9231	33	109.0909	53	67.9245	73	49.3151	93	38.7097
14	257.1429	34	105.8824	54	66.6667	74	48.6486	94	38.2979
15	240.0000	35	102.8571	55	65.4545	75	48.0000	95	37.8947
16	225.0000	36	100.0000	56	64.2857	76	47.3684	96	37.5000
17	211.7647	37	97.2973	57	63.1579	77	46.7532	97	37.1134
18	200.0000	38	94.7368	58	62.0690	78	46.1538	98	36.7347
19	189.4737	39	92.3077	59	61.0169	79	45.5696	99	36.3636
20	180.0000	40	90.0000	60	60.0000	80	45.0000	100	36.0000

EMERGENCY SPEED REDUCTIONS (CAST/1.1,1.2,1.3)												
CST	10%	20%	30%	CST	10%	20%	30%	CST	10%	20%	30%	CST
1	0.9091	0.8333	0.7692	21	19.0909	17.5000	16.1538	41	37.2727	34.1667	31.5385	61
2	1.8182	1.6667	1.5385	22	20.0000	18.3333	16.9231	42	38.1818	35.0000	32.3077	62
3	2.7273	2.5000	2.3077	23	20.9091	19.1667	17.6923	43	39.0909	35.8333	33.0769	63
4	3.6364	3.3333	3.0769	24	21.8182	20.0000	18.4615	44	40.0000	36.6667	33.8462	64
5	4.5455	4.1667	3.8462	25	22.7273	20.8333	19.2308	45	40.9091	37.5000	34.6154	65
6	5.4545	5.0000	4.6154	26	23.6364	21.6667	20.0000	46	41.8182	38.3333	35.3846	66
7	6.3636	5.8333	5.3846	27	24.5455	22.5000	20.7692	47	42.7273	39.1667	36.1538	67
8	7.2727	6.6667	6.1538	28	25.4545	23.3333	21.5385	48	43.6364	40.0000	36.9231	68
9	8.1818	7.5000	6.9231	29	26.3636	24.1667	22.3077	49	44.5455	40.8333	37.6923	69
10	9.0909	8.3333	7.6923	30	27.2727	25.0000	23.0769	50	45.4545	41.6667	38.4615	70
11	10.0000	9.1667	8.4615	31	28.1818	25.8333	23.8462	51	46.3636	42.5000	39.2308	71
12	10.9091	10.0000	9.2308	32	29.0909	26.6667	24.6154	52	47.2727	43.3333	40.0000	72
13	11.8182	10.8333	10.0000	33	30.0000	27.5000	25.3846	53	48.1818	44.1667	40.7692	73
14	12.7273	11.6667	10.7692	34	30.9091	28.3333	26.1538	54	49.0909	45.0000	41.5385	74
15	13.6364	12.5000	11.5385	35	31.8182	29.1667	26.9231	55	50.0000	45.8333	42.3077	75
16	14.5455	13.3333	12.3077	36	32.7273	30.0000	27.6923	56	50.9091	46.6667	43.0769	76
17	15.4545	14.1667	13.0769	37	33.6364	30.8333	28.4615	57	51.8182	47.5000	43.8462	77
18	16.3636	15.0000	13.8462	38	34.5455	31.6667	29.2308	58	52.7273	48.3333	44.6154	78
19	17.2727	15.8333	14.6154	39	35.4545	32.5000	30.0000	59	53.6364	49.1667	45.3846	79
20	18.1818	16.6667	15.3846	40	36.3636	33.3333	30.7692	60	54.5455	50.0000	46.1538	80

EMERGENCY SPEED REDUCTIONS (CAST/1.1,1.2,1.3)												
CST	10%	20%	30%	CST	10%	20%	30%	CST	10%	20%	30%	CST
1	0.9091	0.8333	0.7692	21	19.0909	17.5000	16.1538	41	37.2727	34.1667	31.5385	61
2	1.8182	1.6667	1.5385	22	20.0000	18.3333	16.9231	42	38.1818	35.0000	32.3077	62
3	2.7273	2.5000	2.3077	23	20.9091	19.1667	17.6923	43	39.0909	35.8333	33.0769	63
4	3.6364	3.3333	3.0769	24	21.8182	20.0000	18.4615	44	40.0000	36.6667	33.8462	64
5	4.5455	4.1667	3.8462	25	22.7273	20.8333	19.2308	45	40.9091	37.5000	34.6154	65
6	5.4545	5.0000	4.6154	26	23.6364	21.6667	20.0000	46	41.8182	38.3333	35.3846	66
7	6.3636	5.8333	5.3846	27	24.5455	22.5000	20.7692	47	42.7273	39.1667	36.1538	67
8	7.2727	6.6667	6.1538	28	25.4545	23.3333	21.5385	48	43.6364	40.0000	36.9231	68
9	8.1818	7.5000	6.9231	29	26.3636	24.1667	22.3077	49	44.5455	40.8333	37.6923	69
10	9.0909	8.3333	7.6923	30	27.2727	25.0000	23.0769	50	45.4545	41.6667	38.4615	70
11	10.0000	9.1667	8.4615	31	28.1818	25.8333	23.8462	51	46.3636	42.5000	39.2308	71
12	10.9091	10.0000	9.2308	32	29.0909	26.6667	24.6154	52	47.2727	43.3333	40.0000	72
13	11.8182	10.8333	10.0000	33	30.0000	27.5000	25.3846	53	48.1818	44.1667	40.7692	73
14	12.7273	11.6667	10.7692	34	30.9091	28.3333	26.1538	54	49.0909	45.0000	41.5385	74
15	13.6364	12.5000	11.5385	35	31.8182	29.1667	26.9231	55	50.0000	45.8333	42.3077	75
16	14.5455	13.3333	12.3077	36	32.7273	30.0000	27.6923	56	50.9091	46.6667	43.0769	76
17	15.4545	14.1667	13.0769	37	33.6364	30.8333	28.4615	57	51.8182	47.5000	43.8462	77
18	16.3636	15.0000	13.8462	38	34.5455	31.6667	29.2308	58	52.7273	48.3333	44.6154	78
19	17.2727	15.8333	14.6154	39	35.4545	32.5000	30.0000	59	53.6364	49.1667	45.3846	79
20	18.1818	16.6667	15.3846	40	36.3636	33.3333	30.7692	60	54.5455	50.0000	46.1538	80

10%	20%	30%
55.4545	50.8333	46.9231
56.3636	51.6667	47.6923
57.2727	52.5000	48.4615
58.1818	53.3333	49.2308
59.0909	54.1667	50.0000
60.0000	55.0000	50.7692
60.9091	55.8333	51.5385
61.8182	56.6667	52.3077
62.7273	57.5000	53.0769
63.6364	58.3333	53.8462
64.5455	59.1667	54.6154
65.4545	60.0000	55.3846
66.3636	60.8333	56.1538
67.2727	61.6667	56.9231
68.1818	62.5000	57.6923
69.0909	63.3333	58.4615
70.0000	64.1667	59.2308
70.9091	65.0000	60.0000
71.8182	65.8333	60.7692
72.7273	66.6667	61.5385

10%	20%	30%
55.4545	50.8333	46.9231
56.3636	51.6667	47.6923
57.2727	52.5000	48.4615
58.1818	53.3333	49.2308
59.0909	54.1667	50.0000
60.0000	55.0000	50.7692
60.9091	55.8333	51.5385
61.8182	56.6667	52.3077
62.7273	57.5000	53.0769
63.6364	58.3333	53.8462
64.5455	59.1667	54.6154
65.4545	60.0000	55.3846
66.3636	60.8333	56.1538
67.2727	61.6667	56.9231
68.1818	62.5000	57.6923
69.0909	63.3333	58.4615
70.0000	64.1667	59.2308
70.9091	65.0000	60.0000
71.8182	65.8333	60.7692
72.7273	66.6667	61.5385

EMERGENCY SPEED REDUCTIONS (CAST/1.2)

CST	20%	CST	20%	CST	20%	CST	20%
1	0.8333	21	17.5000	41	34.1667	61	50.8333
2	1.6667	22	18.3333	42	35.0000	62	51.6667
3	2.5000	23	19.1667	43	35.8333	63	52.5000
4	3.3333	24	20.0000	44	36.6667	64	53.3333
5	4.1667	25	20.8333	45	37.5000	65	54.1667
6	5.0000	26	21.6667	46	38.3333	66	55.0000
7	5.8333	27	22.5000	47	39.1667	67	55.8333
8	6.6667	28	23.3333	48	40.0000	68	56.6667
9	7.5000	29	24.1667	49	40.8333	69	57.5000
10	8.3333	30	25.0000	50	41.6667	70	58.3333
11	9.1667	31	25.8333	51	42.5000	71	59.1667
12	10.0000	32	26.6667	52	43.3333	72	60.0000
13	10.8333	33	27.5000	53	44.1667	73	60.8333
14	11.6667	34	28.3333	54	45.0000	74	61.6667
15	12.5000	35	29.1667	55	45.8333	75	62.5000
16	13.3333	36	30.0000	56	46.6667	76	63.3333
17	14.1667	37	30.8333	57	47.5000	77	64.1667
18	15.0000	38	31.6667	58	48.3333	78	65.0000
19	15.8333	39	32.5000	59	49.1667	79	65.8333
20	16.6667	40	33.3333	60	50.0000	80	66.6667

FEET PER SECOND (CAST/15/22)

CST	FEET	CST	FEET	CST	FEET	CST	FEET	CST	FEET
1	1.47	21	30.80	41	60.13	61	89.47	81	118.80
2	2.93	22	32.27	42	61.60	62	90.93	82	120.27
3	4.40	23	33.73	43	63.07	63	92.40	83	121.73
4	5.87	24	35.20	44	64.53	64	93.87	84	123.20
5	7.33	25	36.67	45	66.00	65	95.33	85	124.67
6	8.80	26	38.13	46	67.47	66	96.80	86	126.13
7	10.27	27	39.60	47	68.93	67	98.27	87	127.60
8	11.73	28	41.07	48	70.40	68	99.73	88	129.07
9	13.20	29	42.53	49	71.87	69	101.20	89	130.53
10	14.67	30	44.00	50	73.33	70	102.67	90	132.00
11	16.13	31	45.47	51	74.80	71	104.13	91	133.47
12	17.60	32	46.93	52	76.27	72	105.60	92	134.93
13	19.07	33	48.40	53	77.73	73	107.07	93	136.40
14	20.53	34	49.87	54	79.20	74	108.53	94	137.87
15	22.00	35	51.33	55	80.67	75	110.00	95	139.33
16	23.47	36	52.80	56	82.13	76	111.47	96	140.80
17	24.93	37	54.27	57	83.60	77	112.93	97	142.27
18	26.40	38	55.73	58	85.07	78	114.40	98	143.73
19	27.87	39	57.20	59	86.53	79	115.87	99	145.20
20	29.33	40	58.67	60	88.00	80	117.33	100	146.67

FEET PER HUNDREDTH (CASTx.88)

CST	FEET	CST	FEET	CST	FEET	CST	FEET	CST	FEET
1	0.88	21	18.48	41	36.08	61	53.68	81	71.28
2	1.76	22	19.36	42	36.96	62	54.56	82	72.16
3	2.64	23	20.24	43	37.84	63	55.44	83	73.04
4	3.52	24	21.12	44	38.72	64	56.32	84	73.92
5	4.40	25	22.00	45	39.60	65	57.20	85	74.80
6	5.28	26	22.88	46	40.48	66	58.08	86	75.68
7	6.16	27	23.76	47	41.36	67	58.96	87	76.56
8	7.04	28	24.64	48	42.24	68	59.84	88	77.44
9	7.92	29	25.52	49	43.12	69	60.72	89	78.32
10	8.80	30	26.40	50	44.00	70	61.60	90	79.20
11	9.68	31	27.28	51	44.88	71	62.48	91	80.08
12	10.56	32	28.16	52	45.76	72	63.36	92	80.96
13	11.44	33	29.04	53	46.64	73	64.24	93	81.84
14	12.32	34	29.92	54	47.52	74	65.12	94	82.72
15	13.20	35	30.80	55	48.40	75	66.00	95	83.60
16	14.08	36	31.68	56	49.28	76	66.88	96	84.48
17	14.96	37	32.56	57	50.16	77	67.76	97	85.36
18	15.84	38	33.44	58	51.04	78	68.64	98	86.24
19	16.72	39	34.32	59	51.92	79	69.52	99	87.12
20	17.60	40	35.20	60	52.80	80	70.40	100	88.00

HUNDRETHS OF MIN. PER TENTH (600/CAST)									
SP	HUN	SP	HUN	SP	HUN	SP	HUN	SP	HUN
1	600.00	21	28.571	41	14.634	61	9.836	81	7.407
2	300.00	22	27.273	42	14.286	62	9.677	82	7.317
3	200.00	23	26.087	43	13.953	63	9.524	83	7.229
4	150.00	24	25.000	44	13.636	64	9.375	84	7.143
5	120.00	25	24.000	45	13.333	65	9.231	85	7.059
6	100.00	26	23.077	46	13.043	66	9.091	86	6.977
7	85.714	27	22.222	47	12.766	67	8.955	87	6.897
8	75.000	28	21.429	48	12.500	68	8.824	88	6.818
9	66.667	29	20.690	49	12.245	69	8.696	89	6.742
10	60.000	30	20.000	50	12.000	70	8.571	90	6.667
11	54.545	31	19.355	51	11.765	71	8.451	91	6.593
12	50.000	32	18.750	52	11.538	72	8.333	92	6.522
13	46.154	33	18.182	53	11.321	73	8.219	93	6.452
14	42.857	34	17.647	54	11.111	74	8.108	94	6.383
15	40.000	35	17.143	55	10.909	75	8.000	95	6.316
16	37.500	36	16.667	56	10.714	76	7.895	96	6.250
17	35.294	37	16.216	57	10.526	77	7.792	97	6.186
18	33.333	38	15.789	58	10.345	78	7.692	98	6.122
19	31.579	39	15.385	59	10.169	79	7.595	99	6.061
20	30.000	40	15.000	60	10.000	80	7.500	100	6.000

HUNDRETHS OF MIN. PER TENTH						
SP	HUN	SP	HUN	SP	HUN	SP
1	600.00	21	28.571	41	14.634	61
2	300.00	22	27.273	42	14.286	62
3	200.00	23	26.087	43	13.953	63
4	150.00	24	25.000	44	13.636	64
5	120.00	25	24.000	45	13.333	65
6	100.00	26	23.077	46	13.043	66
7	85.714	27	22.222	47	12.766	67
8	75.000	28	21.429	48	12.500	68
9	66.667	29	20.690	49	12.245	69
10	60.000	30	20.000	50	12.000	70
11	54.545	31	19.355	51	11.765	71
12	50.000	32	18.750	52	11.538	72
13	46.154	33	18.182	53	11.321	73
14	42.857	34	17.647	54	11.111	74
15	40.000	35	17.143	55	10.909	75
16	37.500	36	16.667	56	10.714	76
17	35.294	37	16.216	57	10.526	77
18	33.333	38	15.789	58	10.345	78
19	31.579	39	15.385	59	10.169	79
20	30.000	40	15.000	60	10.000	80

HUNDRETHS OF MIN. PER TENTH (600/CAST)									
SP	HUN	SP	HUN	SP	HUN	SP	HUN	SP	HUN
1	600.00	21	28.571	41	14.634	61	9.836	81	7.407
2	300.00	22	27.273	42	14.286	62	9.677	82	7.317
3	200.00	23	26.087	43	13.953	63	9.524	83	7.229
4	150.00	24	25.000	44	13.636	64	9.375	84	7.143
5	120.00	25	24.000	45	13.333	65	9.231	85	7.059
6	100.00	26	23.077	46	13.043	66	9.091	86	6.977
7	85.714	27	22.222	47	12.766	67	8.955	87	6.897
8	75.000	28	21.429	48	12.500	68	8.824	88	6.818
9	66.667	29	20.690	49	12.245	69	8.696	89	6.742
10	60.000	30	20.000	50	12.000	70	8.571	90	6.667
11	54.545	31	19.355	51	11.765	71	8.451	91	6.593
12	50.000	32	18.750	52	11.538	72	8.333	92	6.522
13	46.154	33	18.182	53	11.321	73	8.219	93	6.452
14	42.857	34	17.647	54	11.111	74	8.108	94	6.383
15	40.000	35	17.143	55	10.909	75	8.000	95	6.316
16	37.500	36	16.667	56	10.714	76	7.895	96	6.250
17	35.294	37	16.216	57	10.526	77	7.792	97	6.186
18	33.333	38	15.789	58	10.345	78	7.692	98	6.122
19	31.579	39	15.385	59	10.169	79	7.595	99	6.061
20	30.000	40	15.000	60	10.000	80	7.500	100	6.000

HUNDRETHS OF MIN. PER TENTH						
SP	HUN	SP	HUN	SP	HUN	SP
1	600.00	21	28.571	41	14.634	61
2	300.00	22	27.273	42	14.286	62
3	200.00	23	26.087	43	13.953	63
4	150.00	24	25.000	44	13.636	64
5	120.00	25	24.000	45	13.333	65
6	100.00	26	23.077	46	13.043	66
7	85.714	27	22.222	47	12.766	67
8	75.000	28	21.429	48	12.500	68
9	66.667	29	20.690	49	12.245	69
10	60.000	30	20.000	50	12.000	70
11	54.545	31	19.355	51	11.765	71
12	50.000	32	18.750	52	11.538	72
13	46.154	33	18.182	53	11.321	73
14	42.857	34	17.647	54	11.111	74
15	40.000	35	17.143	55	10.909	75
16	37.500	36	16.667	56	10.714	76
17	35.294	37	16.216	57	10.526	77
18	33.333	38	15.789	58	10.345	78
19	31.579	39	15.385	59	10.169	79
20	30.000	40	15.000	60	10.000	80

I (600/CAST)		
HUN	SP	HUN
9.836	81	7.407
9.677	82	7.317
9.524	83	7.229
9.375	84	7.143
9.231	85	7.059
9.091	86	6.977
8.955	87	6.897
8.824	88	6.818
8.696	89	6.742
8.571	90	6.667
8.451	91	6.593
8.333	92	6.522
8.219	93	6.452
8.108	94	6.383
8.000	95	6.316
7.895	96	6.250
7.792	97	6.186
7.692	98	6.122
7.595	99	6.061
7.500	100	6.000

I (600/CAST)		
HUN	SP	HUN
9.836	81	7.407
9.677	82	7.317
9.524	83	7.229
9.375	84	7.143
9.231	85	7.059
9.091	86	6.977
8.955	87	6.897
8.824	88	6.818
8.696	89	6.742
8.571	90	6.667
8.451	91	6.593
8.333	92	6.522
8.219	93	6.452
8.108	94	6.383
8.000	95	6.316
7.895	96	6.250
7.792	97	6.186
7.692	98	6.122
7.595	99	6.061
7.500	100	6.000