

		Correction for 1 Minute of Time																		
Rel. Zn	°	Ground Speed in Knots																		Rel. Zn
		50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	
000	+0.8	+1.7	+2.5	+3.3	+4.2	+5.0	+5.8	+6.7	+7.5	+8.3	+9.2	+10.0	+10.8	+11.7	+12.5	+13.3	+14.2	+15.0	000	
002	0.8	1.7	2.5	3.3	4.2	5.0	5.8	6.7	7.5	8.3	9.2	10.0	10.8	11.7	12.5	13.3	14.2	15.0	358	
004	0.8	1.7	2.5	3.3	4.2	5.0	5.8	6.7	7.5	8.3	9.1	10.0	10.8	11.6	12.5	13.3	14.1	15.0	356	
006	0.8	1.7	2.5	3.3	4.1	5.0	5.8	6.6	7.5	8.3	9.1	9.9	10.8	11.6	12.4	13.3	14.1	14.9	354	
008	0.8	1.7	2.5	3.3	4.1	5.0	5.8	6.6	7.4	8.3	9.1	9.9	10.7	11.6	12.4	13.2	14.0	14.9	352	
010	+0.8	+1.6	+2.5	+3.3	+4.1	+4.9	+5.7	+6.6	+7.4	+8.2	+9.0	+9.8	+10.7	+11.5	+12.3	+13.1	+14.0	+14.8	350	
012	0.8	1.6	2.4	3.3	4.1	4.9	5.7	6.5	7.3	8.2	9.0	9.8	10.6	11.4	12.2	13.0	13.9	14.7	348	
014	0.8	1.6	2.4	3.2	4.0	4.9	5.7	6.5	7.3	8.1	8.9	9.7	10.5	11.3	12.1	12.9	13.7	14.6	346	
016	0.8	1.6	2.4	3.2	4.0	4.8	5.6	6.4	7.2	8.0	8.8	9.6	10.4	11.2	12.0	12.8	13.6	14.4	344	
018	0.8	1.6	2.4	3.2	4.0	4.8	5.5	6.3	7.1	7.9	8.7	9.5	10.3	11.1	11.9	12.7	13.5	14.3	342	
020	+0.8	+1.6	+2.3	+3.1	+3.9	+4.7	+5.5	+6.3	+7.0	+7.8	+8.6	+9.4	+10.2	+11.0	+11.7	+12.5	+13.3	+14.1	340	
022	0.8	1.5	2.3	3.1	3.9	4.6	5.4	6.2	7.0	7.7	8.5	9.3	10.0	10.8	11.6	12.4	13.1	13.9	338	
024	0.8	1.5	2.3	3.0	3.8	4.6	5.3	6.1	6.9	7.6	8.4	9.1	9.9	10.7	11.4	12.2	12.9	13.7	336	
026	0.7	1.5	2.2	3.0	3.7	4.5	5.2	6.0	6.7	7.5	8.2	9.0	9.7	10.5	11.2	12.0	12.7	13.5	334	
028	0.7	1.5	2.2	2.9	3.7	4.4	5.2	5.9	6.6	7.4	8.1	8.8	9.6	10.3	11.0	11.8	12.5	13.2	332	
030	+0.7	+1.4	+2.2	+2.9	+3.6	+4.3	+5.1	+5.8	+6.5	+7.2	+7.9	+8.7	+9.4	+10.1	+10.8	+11.5	+12.3	+13.0	330	
032	0.7	1.4	2.1	2.8	3.5	4.2	4.9	5.7	6.4	7.1	7.8	8.5	9.2	9.9	10.6	11.3	12.0	12.7	328	
034	0.7	1.4	2.1	2.8	3.5	4.1	4.8	5.5	6.2	6.9	7.6	8.3	9.0	9.7	10.4	11.1	11.7	12.4	326	
036	0.7	1.3	2.0	2.7	3.4	4.0	4.7	5.4	6.1	6.7	7.4	8.1	8.8	9.4	10.1	10.8	11.5	12.1	324	
038	0.7	1.3	2.0	2.6	3.3	3.9	4.6	5.3	5.9	6.6	7.2	7.9	8.5	9.2	9.9	10.5	11.2	11.8	322	
040	+0.6	+1.3	+1.9	+2.6	+3.2	+3.8	+4.5	+5.1	+5.7	+6.4	+7.0	+7.7	+8.3	+8.9	+9.6	+10.2	+10.9	+11.5	320	
042	0.6	1.2	1.9	2.5	3.1	3.7	4.3	5.0	5.6	6.2	6.8	7.4	8.1	8.7	9.3	9.9	10.5	11.1	318	
044	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.0	6.6	7.2	7.8	8.4	9.0	9.6	10.2	10.8	316	
046	0.6	1.2	1.7	2.3	2.9	3.5	4.1	4.6	5.2	5.8	6.4	6.9	7.5	8.1	8.7	9.3	9.8	10.4	314	
048	0.6	1.1	1.7	2.2	2.8	3.3	3.9	4.5	5.0	5.6	6.1	6.7	7.2	7.8	8.4	8.9	9.5	10.0	312	
050	+0.5	+1.1	+1.6	+2.1	+2.7	+3.2	+3.7	+4.3	+4.8	+5.4	+5.9	+6.4	+7.0	+7.5	+8.0	+8.6	+9.1	+9.6	310	
052	0.5	1.0	1.5	2.1	2.6	3.1	3.6	4.1	4.6	5.1	5.6	6.2	6.7	7.2	7.7	8.2	8.7	9.2	308	
054	0.5	1.0	1.5	2.0	2.4	2.9	3.4	3.9	4.4	4.9	5.4	5.9	6.4	6.9	7.3	7.8	8.3	8.8	306	
056	0.5	0.9	1.4	1.9	2.3	2.8	3.3	3.7	4.2	4.7	5.1	5.6	6.1	6.5	7.0	7.5	7.9	8.4	304	
058	0.4	0.9	1.3	1.8	2.2	2.6	3.1	3.5	4.0	4.4	4.9	5.3	5.7	6.2	6.6	7.1	7.5	7.9	302	
060	+0.4	+0.8	+1.3	+1.7	+2.1	+2.5	+2.9	+3.3	+3.8	+4.2	+4.6	+5.0	+5.4	+5.8	+6.3	+6.7	+7.1	+7.5	300	
062	0.4	0.8	1.2	1.6	2.0	2.3	2.7	3.1	3.5	3.9	4.3	4.7	5.1	5.5	5.9	6.3	6.7	7.0	298	
064	0.4	0.7	1.1	1.5	1.8	2.2	2.6	2.9	3.3	3.7	4.0	4.4	4.7	5.1	5.5	5.8	6.2	6.6	296	
066	0.3	0.7	1.0	1.4	1.7	2.0	2.4	2.7	3.1	3.4	3.7	4.1	4.4	4.7	5.1	5.4	5.8	6.1	294	
068	0.3	0.6	0.9	1.2	1.6	1.9	2.2	2.5	2.8	3.1	3.4	3.7	4.1	4.4	4.7	5.0	5.3	5.6	292	
070	+0.3	+0.6	+0.9	+1.1	+1.4	+1.7	+2.0	+2.3	+2.6	+2.9	+3.1	+3.4	+3.7	+4.0	+4.3	+4.6	+4.8	+5.1	290	
072	0.3	0.5	0.8	1.0	1.3	1.5	1.8	2.1	2.3	2.6	2.8	3.1	3.3	3.6	3.9	4.1	4.4	4.6	288	
074	0.2	0.5	0.7	0.9	1.1	1.4	1.6	1.8	2.1	2.3	2.5	2.8	3.0	3.2	3.4	3.7	3.9	4.1	286	
076	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.6	284	
078	0.2	0.3	0.5	0.7	0.9	1.0	1.2	1.4	1.6	1.7	1.9	2.1	2.3	2.4	2.6	2.8	2.9	3.1	282	
080	+0.1	+0.3	+0.4	+0.6	+0.7	+0.9	+1.0	+1.2	+1.3	+1.4	+1.6	+1.7	+1.9	+2.0	+2.2	+2.3	+2.5	+2.6	280	
082	0.1	0.2	0.3	0.5	0.6	0.7	0.8	0.9	1.0	1.2	1.3	1.4	1.5	1.6	1.7	1.9	2.0	2.1	278	
084	0.1	0.2	0.3	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.0	1.1	1.2	1.3	1.4	1.5	1.6	276	
086	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.5	0.5	0.6	0.6	0.7	0.8	0.8	0.9	0.9	1.0	1.0	274	
088	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.5	0.5	0.5	272	
090	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	270	
092	-0.0	-0.1	-0.1	-0.1	-0.1	-0.2	-0.2	-0.2	-0.3	-0.3	-0.3	-0.3	-0.4	-0.4	-0.4	-0.5	-0.5	-0.5	268	
094	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.5	0.5	0.6	0.6	0.7	0.8	0.8	0.9	0.9	1.0	1.0	266	
096	0.1	0.2	0.3	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.0	1.1	1.2	1.3	1.4	1.5	1.6	264	
098	0.1	0.2	0.3	0.5	0.6	0.7	0.8	0.9	1.0	1.2	1.3	1.4	1.5	1.6	1.7	1.9	2.0	2.1	262	
100	0.1	0.3	0.4	0.6	0.7	0.9	1.0	1.2	1.3	1.4	1.6	1.7	1.9	2.0	2.2	2.3	2.5	2.6	260	
102	-0.2	-0.3	-0.5	-0.7	-0.9	-1.0	-1.2	-1.4	-1.6	-1.7	-1.9	-2.1	-2.3	-2.4	-2.6	-2.8	-2.9	-3.1	258	
104	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.6	256	
106	0.2	0.5	0.7	0.9	1.1	1.4	1.6	1.8	2.1	2.3	2.5	2.8	3.0	3.2	3.4	3.7	3.9	4.1	254	
108	0.3	0.5	0.8	1.0	1.3	1.5	1.8	2.1	2.3	2.6	2.8	3.1	3.3	3.6	3.9	4.1	4.4	4.6	252	
110	0.3	0.6	0.9	1.1	1.4	1.7	2.0	2.3	2.6	2.9	3.1	3.4	3.7	4.0	4.3	4.6	4.8	5.1	250	
112	-0.3	-0.6	-0.9	-1.2	-1.6	-1.9	-2.2	-2.5	-2.8	-3.1	-3.4	-3.7	-4.1	-4.4	-4.7	-5.0	-5.3	-5.6	248	
114	0.3	0.7	1.0	1.4	1.7	2.0	2.4	2.7	3.1	3.4	3.7	4.1	4.4	4.7	5.1	5.4	5.8	6.1	246	
116	0.4	0.7	1.1	1.5	1.8	2.2	2.6	2.9	3.3	3.7	4.0	4.4	4.7	5.1	5.5	5.8	6.2	6.6	244	
118	0.4	0.8	1.2	1.6	2.0	2.3	2.7	3.1	3.5	3.9	4.3	4.7	5.1	5.5	5.9	6.3	6.7	7.0	242	
120	0.4	0.8	1.3	1.7	2.1	2.5	2.9	3.3	3.8	4.2	4.6	5.0	5.4	5.8	6.3	6.7	7.1	7.5	240	
122	-0.4	-0.9	-1.3	-1.8	-2.2	-2.6	-3.1	-3.5	-4.0	-4.4	-4.9	-5.3	-5.7	-6.2	-6.6	-7.1	-7.5	-7.9	238	
124	0.5	0.9	1.4	1.9	2.3	2.8	3.3	3.7	4.2	4.7	5.1	5.6	6.1	6.5	7.0	7.5	7.9	8.4	236	
126	0.5	1.0	1.5	2.0	2.4	2.9	3.4	3.9	4.4	4.9	5.4	5.9	6.4	6.9	7.3	7.8	8.3	8.8	234	
128	0.5	1.0	1.5	2.1	2.6	3.1	3.6	4.1	4.6	5.1	5.6	6.2	6.7	7.2	7.7	8.2	8.7	9.2	232	
130	0.5	1.1	1.6	2.1	2.7	3.2	3.7	4.3	4.8	5.4	5.9	6.4	7.0	7.5	8.0	8.6	9.1	9.6	230	
132	-0.6	-1.1	-1.7	-2.2	-2.8	-3.3	-3.9	-4.5	-5.0	-5.6	-6.1	-6.7	-7.2	-7.8	-8.4	-8.9	-9.5	-10.0	228	
134	0.6	1.2	1.7	2.3	2.9	3.5	4.1	4.6	5.2	5.8	6.4	6.9	7.5	8.1	8.7	9.3	9.8	10.4	226	
136	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.0	6.6	7.2	7.8	8.4	9.0	9.6	10.2	10.8	224	
138	0.6	1.2	1.9	2.5	3.1	3.7	4.3	5.0	5.6	6.2	6.8	7.4	8.1	8.7	9.3	9.9	10.5	11.1	222	
140	0.6	1.3	1.9	2.6	3.2	3.8	4.5	5.1	5.7	6.4	7.0	7.7	8.3	8.9	9.6	10.2	10.9	11.5	220	
142	-0.7	-1.3	-2.0	-2.6	-3.3	-3.9	-4.6	-5.3	-5.9	-6.6	-7.2	-7.9	-8.5	-9.2	-9.9	-10.5	-11.2	-11.8		