

NOAA NITROX 28

ONLY FOR 28% O₂, 72% N₂ MIXTURES

WARNING: EVEN STRICT COMPLIANCE WITH THESE CHARTS WILL NOT GUARANTEE AVOIDANCE OF DECOMPRESSION SICKNESS, CONSERVATIVE USAGE IS STRONGLY RECOMMENDED.

RNT RESIDUAL NITROGEN TIME

+ABT ACTUAL BOTTOM TIME

ESDT EQUIVALENT SINGLE
DIVE TIME



CHART 3 – REPETITIVE DIVE TIME

RED NUMBERS ARE RESIDUAL NITROGEN TIMES (RNT).
BLACK NUMBERS ARE ADJUSTED NO-STOP REPETITIVE DIVE TIMES.
ACTUAL DIVE TIME SHOULD NOT EXCEED THIS NUMBER.

[illegible]

28

PO ₂	START DEPTH			00	DIVE TIME REQUIRING DECOMPRESSION – Top														00
	msw	fsw			NO-STOP TIME	MINUTES REQUIRED AT 20 fsw STOP (6.1 msw) - Bottom													
0.62	12.3	40	14	23	32	42	52	63	74	87	100	115	131	148	168	190	215	232	
0.66	13.8	45	12	20	27	36	44	53	63	73	84	95	108	121	135	151	163	180	
0.70	15.3	50	11	17	24	31	39	46	55	63	72	82	92	102	114	125	130	150	
0.75	16.9	55	9	15	21	28	34	41	48	56	63	71	80	89	92	100	110	130	
0.79	18.4	60	8	14	19	25	31	37	43	50	56	63	71	74	80	90	100		
0.87	21.4	70	6	10	14	19	23	28	32	37	42	47	48		55	60	70		
0.96	24.5	80	6	10	14	19	23	28	32	37	42	47	48		55	60	70		
1.04	27.6	90	5	9	12	16	20	24	28	32	36	39	45		50	60			
1.13	30.6	100	4	7	11	14	17	21	24	28	30	35		40	45				
1.21	33.7	110	4	6	9	12	15	18	21	25		30		35	40				
1.30	36.8	120	3	6	8	11	14	16	19	20	25	30		35					
1.38	39.8	130	3	5	7	10	12	15		20		25		30					

CHART 1 – DIVE TIMES WITH END-OF-DIVE GROUP LETTER

CHART 2 – SURFACE INTERVAL TIME

TIME RANGES ARE HOURS:MINUTES
ENTER FROM THE TOP, MOVE TO FIND SURFACE INTERVAL TIME.
MOVE LEFT TO FIND THE NEW REPETITIVE GROUP LETTER

ONLY FOR 29% O₂, 71% N₂ MIXTURES

ESDT EQUIVALENT SINGLE
DIVE TIME



RED NUMBERS ARE RESIDUAL NITROGEN TIMES (RNT).
BLACK NUMBERS ARE ADJUSTED NO-STOP REPETITIVE DIVE TIMES.
ACTUAL DIVE TIME SHOULD NOT EXCEED THIS NUMBER

[illegible]

29

		START DEPTH		EXCEEDS NOAA 1.40 PO2 LIMIT															ND		
PO ₂					00	MAXIMUM NO-STOP TIME				DIVE TIME REQUIRING DECOMPRESSION – Top											00
	msw	fsw					MINUTES REQUIRED AT 20 fsw STOP (6.1 msw) - Bottom														
0.64	12.3	40	14	23	32	42	52	63	74	87	100	115	131	148	168	190	215	232			
0.69	13.8	45	12	20	27	36	44	53	63	73	84	95	108	121	135	151	163	180			
0.73	15.3	50	11	17	24	31	39	46	55	63	72	82	92	102	114	125	130	150			
0.77	16.9	55	9	15	21	28	34	41	48	56	63	71	80	89	92	100	110	130			
0.82	18.4	60	8	14	19	25	31	37	43	50	56	63	71	74	80	90	100				
0.91	21.4	70	7	12	17	22	28	33	39	45	51	57	60	65	70	80	90				
0.99	24.5	80	6	10	14	19	23	28	32	37	42	47	48	55	60	70					
1.08	27.6	90	5	9	12	16	20	24	28	32	36	39	45	10	17	30					
1.17	30.6	100	4	7	11	14	17	21	24	28	30	35	40	14	23						
1.26	33.7	110	4	6	9	12	15	18	21	25	30	35	40	15	26						
1.34	36.8	120	3	6	8	11	14	16	19	20	25	30	35	14	27						
1.43	39.8	130	3	5	7	10	12	15		20	25	30									

CHART 1 – DIVE TIMES WITH END-OF-DIVE GROUP LETTER

CHART 2 – SURFACE INTERVAL TIME

TIME RANGES ARE HOURS:MINUTES
ENTER FROM THE TOP, MOVE TO FIND SURFACE INTERVAL TIME.
MOVE LEFT TO FIND THE NEW REPETITIVE GROUP LETTER

NO-DECOMPRESSION TABLE

NOAA NITROX 30

ONLY FOR 30% O₂, 70% N₂ MIXTURES

WARNING: EVEN STRICT COMPLIANCE WITH THESE CHARTS WILL NOT GUARANTEE AVOIDANCE OF DECOMPRESSION SICKNESS, CONSERVATIVE USAGE IS STRONGLY RECOMMENDED.

RNT RESIDUAL NITROGEN TIME
+ABT ACTUAL BOTTOM TIME
ESDT EQUIVALENT SINGLE DIVE TIME



CHART 3 – REPETITIVE DIVE TIME
RED NUMBERS ARE RESIDUAL NITROGEN TIMES (RNT). BLACK NUMBERS ARE ADJUSTED NO-STOP REPETITIVE DIVE TIMES. ACTUAL DIVE TIME SHOULD NOT EXCEED THIS NUMBER.

REPETITIVE DIVES SHALLOWER THAN 40 fsw (12.3 msw) MUST USE THE 40 fsw (12.3 msw) REPETITIVE SCHEDULE

PO ₂	0.66	0.71	0.75	0.80	0.85	0.94	1.03	1.12	1.21	1.30	1.39	1.48	
msw	12.3	13.8	15.3	16.9	18.4	21.4	24.5	27.6	30.6	33.7	36.8	39.8	
fsw	40	45	50	55	60	70	80	90	100	110	120	130	GROUP LETTER
15	13	12	12	11	9	8	7	6	5	5	5	5	A
217	150	113	113	81	51	40	32	24	20	15	10	10	B
24	21	18	17	14	12	10	9	8	7	7	8	8	C
208	142	107	107	75	46	36	29	21	17	12	8	8	D
33	29	25	23	19	16	14	12	11	10	9	9	9	E
199	134	100	100	69	41	32	25	18	14	10	6	6	F
43	37	32	32	29	24	20	18	16	14	13	12	12	G
189	126	93	93	63	36	28	21	14	11	7	3	3	H
53	45	40	40	35	29	25	22	19	17	16	14	14	I
179	118	85	85	57	31	23	17	11	8	4	1	1	J
64	55	48	48	42	35	29	25	22	20	18			K
168	108	77	77	50	25	19	14	8	5	2			L
75	64	56	56	49	40	34	29	26	23				M
157	99	69	69	43	20	14	10	4	2				N
88	74	64	64	57	46	39	33	29					O
144	89	61	61	35	14	9	6	1					P
101	85	73	73	65	52	44	38						Q
131	78	52	52	27	8	4	1						R
116	97	83	83	73	58								S
116	66	42	42	19	2								T
132	109	93	93	81									U
100	54	32	32	11									V
149	122	104	104	90									W
83	41	21	21	2									X
169	136	115	115										Y
63	27	10	10										Z
191	152												
41	11												
216													
16													

EXCEEDS NOAA 1.40 PO₂ LIMIT

PO ₂	START DEPTH		DIVE TIME REQUIRING DECOMPRESSION – Top																			00
	msw	fsw	00	MAXIMUM NO-STOP TIME MINUTES REQUIRED AT 20 fsw STOP (6.1 msw) - Bottom																		00
0.66	12.3	40	14	23	32	42	52	63	74	87	100	115	131	148	168	190	215	232				
0.71	13.8	45	12	20	27	36	44	53	63	73	84	95	108	121	135	151	163	180				
0.75	15.3	50	11	17	24	31	39	46	55	63	72	82	92	102	114	125	130	150				
0.80	16.9	55	11	17	24	31	39	46	55	63	72	82	92	102	114	125	130	150				
0.85	18.4	60	9	15	21	28	34	41	48	56	63	71	80	89	92	100	110					
0.94	21.4	70	7	12	17	22	28	33	39	45	51	57	60	65	80	90						
1.03	24.5	80	6	10	14	19	23	28	32	37	42	47	48	55	60							
1.12	27.6	90	5	9	12	16	20	24	28	32	36	39	45	50								
1.21	30.6	100	4	7	11	14	17	21	24	28	30	35	40									
1.30	33.7	110	4	6	9	12	15	18	21	25	30	35										
1.39	36.8	120	3	6	8	11	14	16	19	20	25	30										
1.48	39.8	130	3	5	7	10	12	15		20	25											

30

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	Z
2:20 0:10	3:36 1:17	4:31 2:12	5:23 3:04	6:15 3:56	7:08 4:49	8:00 5:41	8:52 6:33	9:44 7:25	10:36 8:17	11:29 9:10	12:21 10:02	13:13 10:54	14:05 11:46	14:58 12:38	15:50 13:31
	1:16 0:10	2:11 0:56	3:03 1:48	3:55 2:40	4:48 3:32	5:40 4:24	6:32 5:17	7:24 6:09	8:16 7:01	9:09 7:53	10:01 8:45	10:54 9:38	11:45 10:30	12:37 11:22	13:30 12:14
		0:55 0:10	1:47 0:53	2:39 1:45	3:31 2:38	4:23 3:30	5:16 4:22	6:08 5:14	7:00 6:07	7:52 6:59	8:44 7:51	9:37 8:43	10:29 9:35	11:21 10:28	12:13 11:20
			0:52 0:10	1:44 0:53	2:37 1:45	3:29 2:38	4:21 3:30	5:13 4:22	6:06 5:14	6:58 6:07	7:50 6:59	8:42 7:51	9:34 8:43	10:27 9:35	11:19 10:28
				0:52 0:10	1:44 0:53	2:37 1:45	3:29 2:38	4:21 3:30	5:13 4:22	6:06 5:14	6:58 6:07	7:50 6:59	8:42 7:51	9:34 8:43	10:27 9:35
					0:52 0:10	1:44 0:53	2:37 1:45	3:29 2:38	4:21 3:30	5:13 4:22	6:06 5:14	6:58 6:07	7:50 6:59	8:42 7:51	9:34 8:43
						0:52 0:10	1:44 0:53	2:37 1:45	3:29 2:38	4:21 3:30	5:13 4:22	6:06 5:14	6:58 6:07	7:50 6:59	8:42 7:51
							0:52 0:10	1:44 0:53	2:37 1:45	3:29 2:38	4:21 3:30	5:13 4:22	6:06 5:14	6:58 6:07	7:50 6:59
								0:52 0:10	1:44 0:53	2:37 1:45	3:29 2:38	4:21 3:30	5:13 4:22	6:06 5:14	6:58 6:07
									0:52 0:10	1:44 0:53	2:37 1:45	3:29 2:38	4:21 3:30	5:13 4:22	6:06 5:14
										0:52 0:10	1:44 0:53	2:37 1:45	3:29 2:38	4:21 3:30	5:13 4:22
											0:52 0:10	1:44 0:53	2:37 1:45	3:29 2:38	4:21 3:30
												0:52 0:10	1:44 0:53	2:37 1:45	3:29 2:38
													0:52 0:10	1:44 0:53	2:37 1:45
														0:52 0:10	1:44 0:53
															0:52 0:10

CHART 1 – DIVE TIMES WITH END-OF-DIVE GROUP LETTER

CHART 2 – SURFACE INTERVAL TIME

TIME RANGES ARE HOURS:MINUTES
ENTER FROM THE TOP. MOVE TO FIND SURFACE INTERVAL TIME.
MOVE LEFT TO FIND THE NEW REPETITIVE GROUP LETTER

ONLY FOR 31% O₂, 69% N₂ MIXTURES

ESDT EQUIVALENT SINGLE
DIVE TIME



RED NUMBERS ARE RESIDUAL NITROGEN TIMES (RNT).
BLACK NUMBERS ARE ADJUSTED NO-STOP REPETITIVE DIVE TIMES.
ACTUAL DIVE TIME SHOULD NOT EXCEED THIS NUMBER.

[illegible]

31

PO ₂		START DEPTH		EXCEEDS NOAA 1.40 PO ₂ LIMIT															ND		
		msw	fsw	00	MAXIMUM NO-STOP TIME			DIVE TIME REQUIRING DECOMPRESSION – Top MINUTES REQUIRED AT 20 fsw STOP (6.1 msw) - Bottom													
0.69	12.3	40	14	23	32	42	52	63	74	87	100	115	131	148	168	190	215	232			
0.73	13.8	45	12	20	27	36	44	53	63	73	84	95	108	121	135	151	163	180			
0.78	15.3	50	12	20	27	36	44	53	63	73	84	95	108	121	135	151	163	180			
0.83	16.9	55	11	17	24	31	39	46	55	63	72	82	92	102	114	125	130	150			
0.87	18.4	60	9	15	21	28	34	41	48	56	63	71	80	89	92	100	110				
0.97	21.4	70	7	12	17	22	28	33	39	45	51	57	60	65		80	90				
1.06	24.5	80	6	10	14	19	23	28	32	37	42	47	48	55	60						
1.16	27.6	90	5	9	12	16	20	24	28	32	36	39	45	50							
1.25	30.6	100	4	7	11	14	17	21	24	28	30	35	40								
1.34	33.7	110	4	6	9	12	15	18	21	25		30	35								
1.44	36.8	120	3	6	8	11	14	16	19	20	25		30								
1.53	39.8	130	3	6	8	11	14	16	19	20	25		30								

CHART 1 – DIVE TIMES WITH END-OF-DIVE GROUP LETTER

CHART 2 – SURFACE INTERVAL TIME

TIME RANGES ARE HOURS:MINUTES
ENTER FROM THE TOP, MOVE TO FIND SURFACE INTERVAL TIME.
MOVE LEFT TO FIND THE NEW REPETITIVE GROUP LETTER

NO-DECOMPRESSION TABLE

NOAA NITROX 32

ONLY FOR 32% O₂, 68% N₂ MIXTURES

WARNING: EVEN STRICT COMPLIANCE WITH THESE CHARTS WILL NOT GUARANTEE AVOIDANCE OF DECOMPRESSION SICKNESS, CONSERVATIVE USAGE IS STRONGLY RECOMMENDED.

RNT RESIDUAL NITROGEN TIME
+ABT ACTUAL BOTTOM TIME
ESDT EQUIVALENT SINGLE DIVE TIME



CHART 3 – REPETITIVE DIVE TIME

RED NUMBERS ARE RESIDUAL NITROGEN TIMES (RNT).
BLACK NUMBERS ARE ADJUSTED NO-STOP REPETITIVE DIVE TIMES.
ACTUAL DIVE TIME SHOULD NOT EXCEED THIS NUMBER.

PO ₂	0.71	0.76	0.80	0.85	0.90	1.00	1.10	1.19	1.29	1.39	1.48	1.58	GROUP LETTER
msw	12.3	13.8	15.3	16.9	18.4	21.4	24.5	27.6	30.6	33.7	36.8	39.8	
fsw	40	45	50	55	60	70	80	90	100	110	120	130	
REPETITIVE DIVES SHALLOWER THAN 40 fsw (12.3 msw) MUST USE THE 40 fsw (12.3 msw) REPETITIVE SCHEDULE	18	15	13	12	11	9	8	7	6	5	5	5	A
	353	217	150	113	81	51	40	32	24	20	20	15	
	28	24	21	18	17	14	12	10	9	8	8	8	B
	343	208	142	107	75	46	36	29	21	17	17	12	
	39	33	29	25	23	19	16	14	12	11	11	10	C
	332	199	134	100	69	41	32	25	18	14	14	10	
	51	43	37	32	29	24	20	18	16	14	14	13	D
	320	189	126	93	63	36	28	21	14	11	11	7	
	63	53	45	40	35	29	25	22	19	17	17	16	E
	308	179	118	85	57	31	23	17	11	8	8	4	
	77	64	55	48	42	35	29	25	22	20	20	18	F
	294	168	108	77	50	25	19	14	8	5	5	2	
	92	75	64	56	49	40	34	29	26	23	23		G
	279	157	99	69	43	20	14	10	4	2	2		
	108	88	74	64	57	46	39	33	29				H
	263	144	89	61	35	14	9	6	1				
	126	101	85	73	65	52	44	38					I
	245	131	78	52	27	8	4	1					
	146	116	97	83	73	58							J
	225	116	66	42	19	2							
	168	132	109	93	81								K
	203	100	54	32	11								
	194	149	122	104	90								L
	177	83	41	21	2								
	224	169	136	115									M
	147	63	27	10									
	261	191	152										N
	110	41	11										
	308	216											O
	63	16											
													Z

32

PO ₂		START DEPTH		EXCEEDS NOAA 1.40 PO ₂ LIMIT																			NDP	
		msw	fsw	00	MAXIMUM NO-STOP TIME				DIVE TIME REQUIRING DECOMPRESSION – Top MINUTES REQUIRED AT 20 fsw STOP (6.1 msw) - Bottom															00
0.71	12.3	40	17	27	38	50	62	76	91	107	125	145	167	193	223	260	307	371						
0.76	13.8	45	14	23	32	42	52	63	74	87	100	115	131	148	168	190	215	232						
0.80	15.3	50	12	20	27	36	44	53	63	73	84	95	108	121	135	151	163	180	14					
0.85	16.9	55	11	17	24	31	39	46	55	63	72	82	92	102	114	125	130	150	2	25				
0.90	18.4	60	9	15	21	28	34	41	48	56	63	71	80	89	92	100	110							
1.00	21.4	70	7	12	17	22	28	33	39	45	51	57	60	65		80	90							
1.10	24.5	80	6	10	14	19	23	28	32	37	42	47	48	55	60									
1.19	27.6	90	5	9	12	16	20	24	28	32	36	39	45	50										
1.29	30.6	100	4	7	11	14	17	21	24	28	30	35	40											
1.39	33.7	110	4	6	9	12	15	18	21	25	30	35												
1.48	36.8	120	4	6	9	12	15	18	21	25	30	35												
1.58	39.8	130	3	6	8	11	14	16	19	20	25	30												

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	Z
2:20 0:10	3:36 1:17	4:31 2:12	5:23 3:04	6:15 3:56	7:08 4:49	8:00 5:41	8:52 6:33	9:44 7:25	10:36 8:17	11:29 9:10	12:21 10:02	13:13 10:54	14:05 11:46	14:58 12:38	15:50 13:31
	1:16 0:10	2:11 0:56	3:03 1:48	3:55 2:40	4:48 3:32	5:40 4:24	6:32 5:17	7:24 6:09	8:16 7:01	9:09 7:53	10:01 8:45	10:53 9:38	11:45 10:30	12:37 11:22	13:30 12:14
		0:55 0:10	1:47 0:53	2:39 1:45	3:31 2:38	4:23 3:30	5:16 4:22	6:08 5:14	7:00 6:07	7:52 6:59	8:44 7:51	9:37 8:43	10:29 9:35	11:21 10:28	12:13 11:20
			0:52 0:10	1:44 0:53	2:37 1:45	3:29 2:38	4:21 3:30	5:13 4:22	6:06 5:14	6:58 6:07	7:50 6:59	8:42 7:51	9:34 8:43	10:27 9:35	11:19 10:28
				0:52 0:10	1:44 0:53	2:37 1:45	3:29 2:38	4:21 3:30	5:13 4:22	6:06 5:14	6:58 6:07	7:50 6:59	8:42 7:51	9:34 8:43	10:27 9:35
					0:52 0:10	1:44 0:53	2:37 1:45	3:29 2:38	4:21 3:30	5:13 4:22	6:06 5:14	6:58 6:07	7:50 6:59	8:42 7:51	9:34 8:43
						0:52 0:10	1:44 0:53	2:37 1:45	3:29 2:38	4:21 3:30	5:13 4:22	6:06 5:14	6:58 6:07	7:50 6:59	8:42 7:51
							0:52 0:10	1:44 0:53	2:37 1:45	3:29 2:38	4:21 3:30	5:13 4:22	6:06 5:14	6:58 6:07	7:50 6:59
								0:52 0:10	1:44 0:53	2:37 1:45	3:29 2:38	4:21 3:30	5:13 4:22	6:06 5:14	6:58 6:07
									0:52 0:10	1:44 0:53	2:37 1:45	3:29 2:38	4:21 3:30	5:13 4:22	6:06 5:14
										0:52 0:10	1:44 0:53	2:37 1:45	3:29 2:38	4:21 3:30	5:13 4:22
											0:52 0:10	1:44 0:53	2:37 1:45	3:29 2:38	4:21 3:30
												0:52 0:10	1:44 0:53	2:37 1:45	3:29 2:38
													0:52 0:10	1:44 0:53	2:37 1:45
														0:52 0:10	1:44 0:53
															0:52 0:10

CHART 1 – DIVE TIMES WITH END-OF-DIVE GROUP LETTER

CHART 2 – SURFACE INTERVAL TIME

TIME RANGES ARE HOURS:MINUTES
ENTER FROM THE TOP, MOVE TO FIND SURFACE INTERVAL TIME.
MOVE LEFT TO FIND THE NEW REPETITIVE GROUP LETTER

NO-DECOMPRESSION TABLE

NOAA NITROX 33

ONLY FOR 33% O₂, 67% N₂ MIXTURES

WARNING: EVEN STRICT COMPLIANCE WITH THESE CHARTS WILL NOT GUARANTEE AVOIDANCE OF DECOMPRESSION SICKNESS, CONSERVATIVE USAGE IS STRONGLY RECOMMENDED.

RNT RESIDUAL NITROGEN TIME
+ABT ACTUAL BOTTOM TIME
ESDT EQUIVALENT SINGLE DIVE TIME



CHART 3 – REPETITIVE DIVE TIME

RED NUMBERS ARE RESIDUAL NITROGEN TIMES (RNT). BLACK NUMBERS ARE ADJUSTED NO-STOP REPETITIVE DIVE TIMES. ACTUAL DIVE TIME SHOULD NOT EXCEED THIS NUMBER.

PO ₂	0.73	0.78	0.83	0.88	0.93	1.03	1.13	1.23	1.33	1.43	1.53	GROUP LETTER
msw	12.3	13.8	15.3	16.9	18.4	21.4	24.5	27.6	30.6	33.7	36.8	
fsw	40	45	50	55	60	70	80	90	100	110	120	
18	15	13	12	11	10	8	7	7	6	5		A
353	217	150	113	81	64	40	32	32	24	20		B
28	24	21	18	17	15	12	10	10	9	8		C
343	208	142	107	75	59	36	29	29	21	17		D
39	33	29	25	23	20	16	14	14	12	11		E
332	199	134	100	69	54	32	25	25	18	14		F
51	43	37	32	29	26	20	18	18	16	14		G
320	189	126	93	63	48	28	21	21	14	11		H
63	53	45	40	35	32	25	22	22	19	17		I
308	179	118	85	57	42	23	17	17	11	8		J
77	64	55	48	42	38	29	25	25	22	20		K
294	168	108	77	50	36	19	14	14	8	5		L
92	75	64	56	49	44	34	29	29	26	23		M
279	157	99	69	43	30	14	10	10	4	2		N
108	88	74	64	57	51	39	33	33	29			O
263	144	89	61	35	23	9	6	6	1			P
126	101	85	73	65	58	44	38	38				Q
245	131	78	52	27	16	4	1	1				R
146	116	97	83	73	65							S
225	116	66	42	19	9							T
168	132	109	93	81	72							U
203	100	54	32	11	2							V
194	149	122	104	90								W
177	83	41	21	2								X
224	169	136	115									Y
147	63	27	10									Z
261	191	152										
110	41	11										
308	216											
63	16											

		START DEPTH		EXCEEDS NOAA 1.40 PO ₂ LIMIT															ND	
PO ₂			00	MAXIMUM NO-STOP TIME				DIVE TIME REQUIRING DECOMPRESSION – Top MINUTES REQUIRED AT 20 fsw STOP (6.1 msw) - Bottom											00	
	msw	fsw																		
0.73	12.3	40	17	27	38	50	62	76	91	107	125	145	167	193	223	260	307	371		
0.78	13.8	45	14	23	32	42	52	63	74	87	100	115	131	148	168	190	215	232		
0.83	15.3	50	12	20	27	36	44	53	63	73	84	95	108	121	135	151	163	180		
0.88	16.9	55	11	17	24	31	39	46	55	63	72	82	92	102	114	125	130	150		
0.93	18.4	60	9	15	21	28	34	41	48	56	63	71	80	89	92	100	110	130		
1.03	21.4	70	8	14	19	25	31	37	43	50	56	63	71	74	80	90	100			
1.13	24.5	80	6	10	14	19	23	28	32	37	42	47	48	55	60					
1.23	27.6	90	5	9	12	16	20	24	28	32	36	39	45	50						
1.33	30.6	100	5	9	12	16	20	24	28	32	36	39	45	50						
1.43	33.7	110	4	7	11	14	17	21	24	28	30	35	40							
1.53	36.8	120	4	6	9	12	15	18	21	25		30	35							

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A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	Z
2:20 0:10	3:36 1:17	4:31 2:12	5:23 3:04	6:15 3:56	7:08 4:49	8:00 5:41	8:52 6:33	9:44 7:25	10:36 8:17	11:29 9:10	12:21 10:02	13:13 10:54	14:05 11:46	14:58 12:38	15:50 13:31
	1:16 0:10	2:11 0:56	3:03 1:48	3:55 2:40	4:48 3:32	5:40 4:24	6:32 5:17	7:24 6:09	8:16 7:01	9:09 7:53	10:01 8:45	10:53 9:38	11:45 10:28	12:37 11:22	13:30 12:14
		0:55 0:10	1:47 0:53	2:39 1:45	3:31 2:38	4:23 3:30	5:16 4:22	6:08 5:14	7:00 6:07	7:52 6:59	8:44 7:51	9:37 8:43	10:29 9:35	11:21 10:28	12:13 11:20
			0:52 0:10	1:44 0:53	2:37 1:45	3:29 2:38	4:21 3:30	5:13 4:22	6:06 5:14	6:58 6:07	7:50 6:59	8:42 7:51	9:34 8:43	10:27 9:35	11:19 10:28
				0:52 0:10	1:44 0:53	2:37 1:45	3:29 2:38	4:21 3:30	5:13 4:22	6:06 5:14	6:58 6:07	7:50 6:59	8:42 7:51	9:34 8:43	10:27 9:35
					0:52 0:10	1:44 0:53	2:37 1:45	3:29 2:38	4:21 3:30	5:13 4:22	6:06 5:14	6:58 6:07	7:50 6:59	8:42 7:51	9:34 8:43
						0:52 0:10	1:44 0:53	2:37 1:45	3:29 2:38	4:21 3:30	5:13 4:22	6:06 5:14	6:58 6:07	7:50 6:59	8:42 7:51
							0:52 0:10	1:44 0:53	2:37 1:45	3:29 2:38	4:21 3:30	5:13 4:22	6:06 5:14	6:58 6:07	7:50 6:59
								0:52 0:10	1:44 0:53	2:37 1:45	3:29 2:38	4:21 3:30	5:13 4:22	6:06 5:14	6:58 6:07
									0:52 0:10	1:44 0:53	2:37 1:45	3:29 2:38	4:21 3:30	5:13 4:22	6:06 5:14
										0:52 0:10	1:44 0:53	2:37 1:45	3:29 2:38	4:21 3:30	5:13 4:22
											0:52 0:10	1:44 0:53	2:37 1:45	3:29 2:38	4:21 3:30
												0:52 0:10	1:44 0:53	2:37 1:45	3:29 2:38
													0:52 0:10	1:44 0:53	2:37 1:45
														0:52 0:10	1:44 0:53
															0:52 0:10

CHART 1 – DIVE TIMES WITH END-OF-DIVE GROUP LETTER

CHART 2 – SURFACE INTERVAL TIME

TIME RANGES ARE HOURS:MINUTES
ENTER FROM THE TOP, MOVE TO FIND SURFACE INTERVAL TIME.
MOVE LEFT TO FIND THE NEW REPETITIVE GROUP LETTER

NO-DECOMPRESSION TABLE

NOAA NITROX 34

ONLY FOR 34% O₂, 66% N₂ MIXTURES

WARNING: EVEN STRICT COMPLIANCE WITH THESE CHARTS WILL NOT GUARANTEE AVOIDANCE OF DECOMPRESSION SICKNESS, CONSERVATIVE USAGE IS STRONGLY RECOMMENDED.

RNT RESIDUAL NITROGEN TIME
+ABT ACTUAL BOTTOM TIME
ESDT EQUIVALENT SINGLE DIVE TIME



CHART 3 – REPETITIVE DIVE TIME

RED NUMBERS ARE RESIDUAL NITROGEN TIMES (RNT).
BLACK NUMBERS ARE ADJUSTED NO-STOP REPETITIVE DIVE TIMES.
ACTUAL DIVE TIME SHOULD NOT EXCEED THIS NUMBER.

PO ₂	0.75	0.80	0.86	0.91	0.96	1.06	1.16	1.27	1.37	1.47	1.58	GROUP LETTER
msw	12.3	13.8	15.3	16.9	18.4	21.4	24.5	27.6	30.6	33.7	36.8	
fsw	40	45	50	55	60	70	80	90	100	110	120	
REPETITIVE DIVES SHALLOWER THAN 40 fsw (12.3 msw) MUST USE THE 40 fsw (12.3 msw) REPETITIVE SCHEDULE	18	15	13	12	12	10	8	8	7	6	5	A
	353	217	150	113	113	64	40	40	32	24	20	
	28	24	21	18	18	15	12	12	10	9	8	B
	343	208	142	107	107	59	36	36	29	21	17	
	39	33	29	25	25	20	16	16	14	12	11	C
	332	199	134	100	100	54	32	32	25	18	14	
	51	43	37	32	32	26	20	20	18	16	14	D
	320	189	126	93	93	48	28	28	21	14	11	
	63	53	45	40	40	32	25	25	22	19	17	E
	308	179	118	85	85	42	23	23	17	11	8	
	77	64	55	48	48	38	29	29	25	22	20	F
	294	168	108	77	77	36	19	19	14	8	5	
	92	75	64	56	56	44	34	34	29	26	23	G
	279	157	99	69	69	30	14	14	10	4	2	
	108	88	74	64	64	51	39	39	33	29	1	H
	263	144	89	61	61	23	9	9	6	1		
	126	101	85	73	73	58	44	44	38			I
	245	131	78	52	52	16	4	4	1			
	146	116	97	83	83	65						J
	225	116	66	42	42	9						
	168	132	109	93	93	72						K
	203	100	54	32	32	2						
	194	149	122	104	104							L
	177	83	41	21	21							
	224	169	136	115	115							M
	147	63	27	10	10							
	261	191	152									N
	110	41	11									
	308	216										O
	63	16										
												Z

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		START DEPTH		EXCEEDS NOAA 1.40 PO2 LIMIT																			NDI	
PO2			00	MAXIMUM NO-STOP TIME				DIVE TIME REQUIRING DECOMPRESSION – Top															00	
	msw	fsw		MINUTES REQUIRED AT 20 fsw STOP (6.1 msw) - Bottom																				
0.75	12.3	40	17	27	38	50	62	76	91	107	125	145	167	193	223	260	307	371						
0.80	13.8	45	14	23	32	42	52	63	74	87	100	115	131	148	168	190	215	232						
0.86	15.3	50	12	20	27	36	44	53	63	73	84	95	108	121	135	151	163	180	14					
0.91	16.9	55	11	17	24	31	39	46	55	63	72	82	92	102	114	125	130	150	2	25				
0.96	18.4	60	11	17	24	31	39	46	55	63	72	82	92	102	114	125	130	150	2	25				
1.06	21.4	70	8	14	19	25	31	37	43	50	56	63	71	74	80	90	100							
1.16	24.5	80	6	10	14	19	23	28	32	37	42	47	48	55	60									
1.27	27.6	90	6	10	14	19	23	28	32	37	42	47	48	55	60									
1.37	30.6	100	5	9	12	16	20	24	28	32	36	39	45		50									
1.47	33.7	110	4	7	11	14	17	21	24	28	30	35		40										
1.58	36.8	120	4	6	9	12	15	18	21	25		30		35										

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	Z
2:20 0:10	3:36 1:17	4:31 2:12	5:23 3:04	6:15 3:56	7:08 4:49	8:00 5:41	8:52 6:33	9:44 7:25	10:36 8:17	11:29 9:10	12:21 10:02	13:13 10:54	14:05 11:46	14:58 12:38	15:50 13:31
	1:16 0:10	2:11 0:56	3:03 1:48	3:55 2:40	4:48 3:32	5:40 4:24	6:32 5:17	7:24 6:09	8:16 7:01	9:09 7:53	10:01 8:45	10:53 9:38	11:45 10:30	12:37 11:22	13:30 12:14
		0:55 0:10	1:47 0:53	2:39 1:45	3:31 2:38	4:23 3:30	5:16 4:22	6:08 5:14	7:00 6:07	7:52 6:59	8:44 7:51	9:37 8:43	10:29 9:35	11:21 10:28	12:13 11:20
			0:52 0:10	1:44 0:53	2:37 1:45	3:29 2:38	4:21 3:30	5:13 4:22	6:06 5:14	6:58 6:07	7:50 6:59	8:42 7:51	9:34 8:43	10:27 9:35	11:19 10:28
				0:52 0:10	1:44 0:53	2:37 1:45	3:29 2:38	4:21 3:30	5:13 4:22	6:06 5:14	6:58 6:07	7:50 6:59	8:42 7:51	9:34 8:43	10:27 9:35
					0:52 0:10	1:44 0:53	2:37 1:45	3:29 2:38	4:21 3:30	5:13 4:22	6:06 5:14	6:58 6:07	7:50 6:59	8:42 7:51	9:34 8:43
						0:52 0:10	1:44 0:53	2:37 1:45	3:29 2:38	4:21 3:30	5:13 4:22	6:06 5:14	6:58 6:07	7:50 6:59	8:42 7:51
							0:52 0:10	1:44 0:53	2:37 1:45	3:29 2:38	4:21 3:30	5:13 4:22	6:06 5:14	6:58 6:07	7:50 6:59
								0:52 0:10	1:44 0:53	2:37 1:45	3:29 2:38	4:21 3:30	5:13 4:22	6:06 5:14	6:58 6:07
									0:52 0:10	1:44 0:53	2:37 1:45	3:29 2:38	4:21 3:30	5:13 4:22	6:06 5:14
										0:52 0:10	1:44 0:53	2:37 1:45	3:29 2:38	4:21 3:30	5:13 4:22
											0:52 0:10	1:44 0:53	2:37 1:45	3:29 2:38	4:21 3:30
												0:52 0:10	1:44 0:53	2:37 1:45	3:29 2:38
													0:52 0:10	1:44 0:53	2:37 1:45
														0:52 0:10	1:44 0:53
															0:52 0:10

CHART 1 – DIVE TIMES WITH END-OF-DIVE GROUP LETTER

CHART 2 – SURFACE INTERVAL TIME

TIME RANGES ARE HOURS:MINUTES
ENTER FROM THE TOP. MOVE TO FIND SURFACE INTERVAL TIME.
MOVE LEFT TO FIND THE NEW REPETITIVE GROUP LETTER

NO-DECOMPRESSION TABLE

NOAA NITROX 35

ONLY FOR 35% O₂, 65% N₂ MIXTURES

WARNING: EVEN STRICT COMPLIANCE WITH THESE CHARTS WILL NOT GUARANTEE AVOIDANCE OF DECOMPRESSION SICKNESS, CONSERVATIVE USAGE IS STRONGLY RECOMMENDED.

RNT RESIDUAL NITROGEN TIME
+ABT ACTUAL BOTTOM TIME
ESDT EQUIVALENT SINGLE DIVE TIME



CHART 3 – REPETITIVE DIVE TIME

RED NUMBERS ARE RESIDUAL NITROGEN TIMES (RNT).
BLACK NUMBERS ARE ADJUSTED NO-STOP REPETITIVE DIVE TIMES.
ACTUAL DIVE TIME SHOULD NOT EXCEED THIS NUMBER.

PO ₂	0.77	0.83	0.88	0.93	0.99	1.09	1.20	1.30	1.41	1.52	
msw	12.3	13.8	15.3	16.9	18.4	21.4	24.5	27.6	30.6	33.7	GROUP LETTER
fsw	40	45	50	55	60	70	80	90	100	110	
REPETITIVE DIVES SHALLOWER THAN 40 fsw (12.3 msw) MUST USE THE 40 fsw (12.3 msw) REPETITIVE SCHEDULE	18	15	13	13	12	10	9	8	7	6	A
	353	217	150	150	113	64	51	40	32	24	B
	28	24	21	21	18	15	14	12	10	9	C
	343	208	142	142	107	59	46	36	29	21	D
	39	33	29	29	25	20	19	16	14	12	E
	332	199	134	134	100	54	41	32	25	18	F
	51	43	37	37	32	26	24	20	18	16	G
	320	189	126	126	93	48	36	28	21	14	H
	63	53	45	45	40	32	29	25	22	19	I
	308	179	118	118	85	42	31	23	17	11	J
	77	64	55	55	48	38	35	29	25	22	K
	294	168	108	108	77	36	25	19	14	8	L
	92	75	64	64	56	44	40	34	29	26	M
	279	157	99	99	69	30	20	14	10	4	N
	108	88	74	74	64	51	46	39	33	29	O
	263	144	89	89	61	23	14	9	6	1	P
	126	101	85	85	73	58	52	44	38		Q
	245	131	78	78	52	16	8	4	1		R
	146	116	97	97	83	65	58				S
	225	116	66	66	42	9	2				T
	168	132	109	109	93	72					U
	203	100	54	54	32	2					V
	194	149	122	122	104						W
	177	83	41	41	21						X
	224	169	136	136	115						Y
	147	63	27	27	10						Z
	261	191	152	152							
	110	41	11	11							
	308	216									
	63	16									

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START DEPTH			EXCEEDS NOAA 1.40 PO2 LIMIT																		00	
PO2	DEPTH		00	MAXIMUM NO-STOP TIME			DIVE TIME REQUIRING DECOMPRESSION – Top MINUTES REQUIRED AT 20 fsw STOP (6.1 msw) - Bottom															00
	msw	fsw																				
0.77	12.3	40	17	27	38	50	62	76	91	107	125	145	167	193	223	260	307	371				
0.83	13.8	45	14	23	32	42	52	63	74	87	100	115	131	148	168	190	215	232				
0.88	15.3	50	12	20	27	36	44	53	63	73	84	95	108	121	135	151	163	180				
0.93	16.9	55	12	20	27	36	44	53	63	73	84	95	108	121	135	151	163	180				
0.99	18.4	60	11	17	24	31	39	46	55	63	72	82	92	102	114	125	130	150				
1.09	21.4	70	8	14	19	25	31	37	43	50	56	63	71	74	80	90	100					
1.20	24.5	80	7	12	17	22	28	33	39	45	51	57	60	65		80	90					
1.30	27.6	90	6	10	14	19	23	28	32	37	42	47	48	55	60							
1.41	30.6	100	5	9	12	16	20	24	28	32	36	39	45		50							
1.52	33.7	110	4	7	11	14	17	21	24	28	30	35		40								

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	Z
2:20 0:10	3:36 1:17	4:31 2:12	5:23 3:04	6:15 3:56	7:08 4:49	8:00 5:41	8:52 6:33	9:44 7:25	10:36 8:17	11:29 9:10	12:21 10:02	13:13 10:54	14:05 11:46	14:58 12:38	15:50 13:31
	1:16 0:10	2:11 0:56	3:03 1:48	3:55 2:40	4:48 3:32	5:40 4:24	6:32 5:17	7:24 6:09	8:16 7:01	9:09 7:53	10:01 8:45	10:53 9:38	11:45 10:30	12:37 11:22	13:30 12:14
		0:55 0:10	1:47 0:53	2:39 1:45	3:31 2:38	4:23 3:30	5:16 4:22	6:08 5:14	7:00 6:07	7:52 6:59	8:44 7:51	9:37 8:43	10:29 9:35	11:21 10:28	12:13 11:20
			0:52 0:10	1:44 0:53	2:37 1:45	3:29 2:38	4:21 3:30	5:13 4:22	6:06 5:14	6:58 6:07	7:50 6:59	8:42 7:51	9:34 8:43	10:27 9:35	11:19 10:28
				0:52 0:10	1:44 0:53	2:37 1:45	3:29 2:38	4:21 3:30	5:13 4:22	6:06 5:14	6:58 6:07	7:50 6:59	8:42 7:51	9:34 8:43	10:27 9:35
					0:52 0:10	1:44 0:53	2:37 1:45	3:29 2:38	4:21 3:30	5:13 4:22	6:06 5:14	6:58 6:07	7:50 6:59	8:42 7:51	9:34 8:43
						0:52 0:10	1:44 0:53	2:37 1:45	3:29 2:38	4:21 3:30	5:13 4:22	6:06 5:14	6:58 6:07	7:50 6:59	8:42 7:51
							0:52 0:10	1:44 0:53	2:37 1:45	3:29 2:38	4:21 3:30	5:13 4:22	6:06 5:14	6:58 6:07	7:50 6:59
								0:52 0:10	1:44 0:53	2:37 1:45	3:29 2:38	4:21 3:30	5:13 4:22	6:06 5:14	6:58 6:07
									0:52 0:10	1:44 0:53	2:37 1:45	3:29 2:38	4:21 3:30	5:13 4:22	6:06 5:14
										0:52 0:10	1:44 0:53	2:37 1:45	3:29 2:38	4:21 3:30	5:13 4:22
											0:52 0:10	1:44 0:53	2:37 1:45	3:29 2:38	4:21 3:30
												0:52 0:10	1:44 0:53	2:37 1:45	3:29 2:38
													0:52 0:10	1:44 0:53	2:37 1:45
														0:52 0:10	1:44 0:53
															0:52 0:10

CHART 1 – DIVE TIMES WITH END-OF-DIVE GROUP LETTER

CHART 2 – SURFACE INTERVAL TIME

TIME RANGES ARE HOURS:MINUTES
ENTER FROM THE TOP. MOVE TO FIND SURFACE INTERVAL TIME.
MOVE LEFT TO FIND THE NEW REPETITIVE GROUP LETTER

NO-DECOMPRESSION TABLE

NOAA NITROX 36

ONLY FOR 36% O₂, 64% N₂ MIXTURES

WARNING: EVEN STRICT COMPLIANCE WITH THESE CHARTS WILL NOT GUARANTEE AVOIDANCE OF DECOMPRESSION SICKNESS, CONSERVATIVE USAGE IS STRONGLY RECOMMENDED.

RNT RESIDUAL NITROGEN TIME
+ABT ACTUAL BOTTOM TIME
ESDT EQUIVALENT SINGLE DIVE TIME



CHART 3 – REPETITIVE DIVE TIME

RED NUMBERS ARE RESIDUAL NITROGEN TIMES (RNT).
BLACK NUMBERS ARE ADJUSTED NO-STOP REPETITIVE DIVE TIMES.
ACTUAL DIVE TIME SHOULD NOT EXCEED THIS NUMBER.

PO ₂	0.80	0.85	0.91	0.96	1.01	1.12	1.23	1.34	1.45	1.56	
msw	12.3	13.8	15.3	16.9	18.4	21.4	24.5	27.6	30.6	33.7	GROUP LETTER
fsw	40	45	50	55	60	70	80	90	100	110	
REPETITIVE DIVES SHALLOWER THAN 40 fsw (12.3 msw) MUST USE THE 40 fsw (12.3 msw) REPETITIVE SCHEDULE	18	15	15	13	12	10	9	8	7	6	A
	353	217	217	150	113	64	51	40	32	24	
	28	24	24	21	18	15	14	12	10	9	B
	343	208	208	142	107	59	46	36	29	21	
	39	33	33	29	25	20	19	16	14	12	C
	332	199	199	134	100	54	41	32	25	18	
	51	43	43	37	32	26	24	20	18	16	D
	320	189	189	126	93	48	36	28	21	14	
	63	53	53	45	40	32	29	25	22	19	E
	308	179	179	118	85	42	31	23	17	11	
	77	64	64	55	48	38	35	29	25	22	F
	294	168	168	108	77	36	25	19	14	8	
	92	75	75	64	56	44	40	34	29	26	G
	279	157	157	99	69	30	20	14	10	4	
	108	88	88	74	64	51	46	39	33	29	H
	263	144	144	89	61	23	14	9	6	1	
	126	101	101	85	73	58	52	44	38		I
	245	131	131	78	52	16	8	4	1		
	146	116	116	97	83	65	58				J
	225	116	116	66	42	9	2				
	168	132	132	109	93	72					K
	203	100	100	54	32	2					
	194	149	149	122	104						L
	177	83	83	41	21						
	224	169	169	136	115						M
	147	63	63	27	10						
	261	191	191	152							N
	110	41	41	11							
	308	216	216								O
	63	16	16								
											Z

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		START DEPTH		EXCEEDS NOAA 1.40 PO2 LIMIT																	NDP	
PO2					00	MAXIMUM NO-STOP TIME			DIVE TIME REQUIRING DECOMPRESSION – Top											00		
	msw	fsw	MINUTES REQUIRED AT 20 fsw STOP (6.1 msw) - Bottom																			
0.80	12.3	40	17	27	38	50	62	76	91	107	125	145	167	193	223	260	307	371	00			
0.85	13.8	45	14	23	32	42	52	63	74	87	100	115	131	148	168	190	215	232	00			
0.91	15.3	50	14	23	32	42	52	63	74	87	100	115	131	148	168	190	215	232	00			
0.96	16.9	55	12	20	27	36	44	53	63	73	84	95	108	121	135	151	163	180	00			
1.01	18.4	60	11	17	24	31	39	46	55	63	72	82	92	102	114	125	130	150	00			
1.12	21.4	70	8	14	19	25	31	37	43	50	56	63	71	74	80	90	100	100	00			
1.23	24.5	80	7	12	17	22	28	33	39	45	51	57	60	65	80	90	100	100	00			
1.34	27.6	90	6	10	14	19	23	28	32	37	42	47	48	55	60	14	23	23	00			
1.45	30.6	100	5	9	12	16	20	24	28	32	36	39	45	50	50	17	17	17	00			
1.56	33.7	110	4	7	11	14	17	21	24	28	30	35	40	40	14	14	14	14	00			

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	Z
2:20 0:10	3:36 1:17	4:31 2:12	5:23 3:04	6:15 3:56	7:08 4:49	8:00 5:41	8:52 6:33	9:44 7:25	10:36 8:17	11:29 9:10	12:21 10:02	13:13 10:54	14:05 11:46	14:58 12:38	15:50 13:31
	1:16 0:10	2:11 0:56	3:03 1:48	3:55 2:40	4:48 3:32	5:40 4:24	6:32 5:17	7:24 6:09	8:16 7:01	9:09 7:53	10:01 8:45	10:53 9:38	11:45 10:30	12:37 11:22	13:30 12:14
		0:55 0:10	1:47 0:53	2:39 1:45	3:31 2:38	4:23 3:30	5:16 4:22	6:08 5:14	7:00 6:07	7:52 6:59	8:44 7:51	9:37 8:43	10:29 9:35	11:21 10:28	12:13 11:20
			0:52 0:10	1:44 0:53	2:37 1:45	3:29 2:38	4:21 3:30	5:13 4:22	6:06 5:14	6:58 6:07	7:50 6:59	8:42 7:51	9:34 8:43	10:27 9:35	11:19 10:28
				0:52 0:10	1:44 0:53	2:37 1:45	3:29 2:38	4:21 3:30	5:13 4:22	6:06 5:14	6:58 6:07	7:50 6:59	8:42 7:51	9:34 8:43	10:27 9:35
					0:52 0:10	1:44 0:53	2:37 1:45	3:29 2:38	4:21 3:30	5:13 4:22	6:06 5:14	6:58 6:07	7:50 6:59	8:42 7:51	9:34 8:43
						0:52 0:10	1:44 0:53	2:37 1:45	3:29 2:38	4:21 3:30	5:13 4:22	6:06 5:14	6:58 6:07	7:50 6:59	8:42 7:51
							0:52 0:10	1:44 0:53	2:37 1:45	3:29 2:38	4:21 3:30	5:13 4:22	6:06 5:14	6:58 6:07	7:50 6:59
								0:52 0:10	1:44 0:53	2:37 1:45	3:29 2:38	4:21 3:30	5:13 4:22	6:06 5:14	6:58 6:07
									0:52 0:10	1:44 0:53	2:37 1:45	3:29 2:38	4:21 3:30	5:13 4:22	6:06 5:14
										0:52 0:10	1:44 0:53	2:37 1:45	3:29 2:38	4:21 3:30	5:13 4:22
											0:52 0:10	1:44 0:53	2:37 1:45	3:29 2:38	4:21 3:30
												0:52 0:10	1:44 0:53	2:37 1:45	3:29 2:38
													0:52 0:10	1:44 0:53	2:37 1:45
														0:52 0:10	1:44 0:53
															0:52 0:10

CHART 1 – DIVE TIMES WITH END-OF-DIVE GROUP LETTER

CHART 2 – SURFACE INTERVAL TIME

TIME RANGES ARE HOURS:MINUTES
ENTER FROM THE TOP. MOVE TO FIND SURFACE INTERVAL TIME.
MOVE LEFT TO FIND THE NEW REPETITIVE GROUP LETTER

NO-DECOMPRESSION TABLE

NOAA NITROX 37

ONLY FOR 37% O₂, 63% N₂ MIXTURES

WARNING: EVEN STRICT COMPLIANCE WITH THESE CHARTS WILL NOT GUARANTEE AVOIDANCE OF DECOMPRESSION SICKNESS, CONSERVATIVE USAGE IS STRONGLY RECOMMENDED.

RNT RESIDUAL NITROGEN TIME
+ABT ACTUAL BOTTOM TIME
ESDT EQUIVALENT SINGLE DIVE TIME



CHART 3 – REPETITIVE DIVE TIME

RED NUMBERS ARE RESIDUAL NITROGEN TIMES (RNT).
BLACK NUMBERS ARE ADJUSTED NO-STOP REPETITIVE DIVE TIMES.
ACTUAL DIVE TIME SHOULD NOT EXCEED THIS NUMBER.

PO ₂	0.82	0.87	0.93	0.99	1.04	1.15	1.27	1.38	1.49	1.60	GROUP LETTER
msw	12.3	13.8	15.3	16.9	18.4	21.4	24.5	27.6	30.6	33.7	
fsw	40	45	50	55	60	70	80	90	100	110	
REPETITIVE DIVES SHALLOWER THAN 40 fsw (12.3 msw) MUST USE THE 40 fsw (12.3 msw) REPETITIVE SCHEDULE	18	18	15	13	12	11	9	8	7	6	A
	353	353	217	150	113	81	51	40	32	24	
	28	28	24	21	18	17	14	12	10	9	B
	343	343	208	142	107	75	46	36	29	21	
	39	39	33	29	25	23	19	16	14	12	C
	332	332	199	134	100	69	41	32	25	18	
	51	51	43	37	32	29	24	20	18	16	D
	320	320	189	126	93	63	36	28	21	14	
	63	63	53	45	40	35	29	25	22	19	E
	308	308	179	118	85	57	31	23	17	11	
	77	77	64	55	48	42	35	29	25	22	F
	294	294	168	108	77	50	25	19	14	8	
	92	92	75	64	56	49	40	34	29	26	G
	279	279	157	99	69	43	20	14	10	4	
	108	108	88	74	64	57	46	39	33	29	H
	263	263	144	89	61	35	14	9	6	1	
	126	126	101	85	73	65	52	44	38		I
	245	245	131	78	52	27	8	4	1		
	146	146	116	97	83	73	58				J
	225	225	116	66	42	19	2				
	168	168	132	109	93	81					K
	203	203	100	54	32	11					
	194	194	149	122	104	90					L
	177	177	83	41	21	2					
	224	224	169	136	115						M
	147	147	63	27	10						
	261	261	191	152							N
	110	110	41	11							
	308	308	216								O
	63	63	16								
											Z

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START DEPTH			EXCEEDS NOAA 1.40 PO2 LIMIT																EXCEEDS MAX PO2 SINGLE EXPOSURE LIMIT				ND	
PO2	DEPTH		00	MAXIMUM NO-STOP TIME								DIVE TIME REQUIRING DECOMPRESSION – Top												00
	msw	fsw		MINUTES REQUIRED AT 20 fsw STOP (6.1 msw) - Bottom																				
0.82	12.3	40	17	27	38	50	62	76	91	107	125	145	167	193	223	260	307	371						
0.87	13.8	45	17	27	38	50	62	76	91	107	125	145	167	193	223	260	307	371						
0.93	15.3	50	14	23	32	42	52	63	74	87	100	115	131	148	168	190	215	232						
0.99	16.9	55	12	20	27	36	44	53	63	73	84	95	108	121	135	151	163	180						
1.04	18.4	60	11	17	24	31	39	46	55	63	72	82	92	102	114	125	130	150						
1.15	21.4	70	9	15	21	28	34	41	48	56	63	71	80	89	92	100	110							
1.27	24.5	80	7	12	17	22	28	33	39	45	51	57	60	65		80	90							
1.38	27.6	90	6	10	14	19	23	28	32	37	42	47	48	55	60									
1.49	30.6	100	5	9	12	16	20	24	28	32	36	39	45		50									
1.60	33.7	110	4	7	11	14	17	21	24	28	30	35		40										

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	Z
2:20 0:10	3:36 1:17	4:31 2:12	5:23 3:04	6:15 3:56	7:08 4:49	8:00 5:41	8:52 6:33	9:44 7:25	10:36 8:17	11:29 9:10	12:21 10:02	13:13 10:54	14:05 11:46	14:58 12:38	15:50 13:31
	1:16 0:10	2:11 0:56	3:03 1:48	3:55 2:40	4:48 3:32	5:40 4:24	6:32 5:17	7:24 6:09	8:16 7:01	9:09 7:51	10:01 8:45	10:53 9:38	11:45 10:30	12:37 11:22	13:30 12:14
		0:55 0:10	1:47 0:52	2:39 1:44	3:31 2:37	4:23 3:29	5:16 4:21	6:08 5:13	7:00 6:06	7:52 6:58	8:44 7:50	9:37 8:42	10:29 9:34	11:21 10:27	12:13 11:19
			0:52 0:10	1:44 0:53	2:37 1:45	3:29 2:38	4:21 3:30	5:13 4:22	6:06 5:14	6:58 6:07	7:50 6:59	8:42 7:51	9:34 8:43	10:27 9:35	11:19 10:28
				0:52 0:10	1:44 0:53	2:37 1:45	3:29 2:38	4:21 3:30	5:13 4:22	6:06 5:14	6:58 6:07	7:50 6:59	8:42 7:51	9:34 8:43	10:27 9:35
					0:52 0:10	1:44 0:53	2:37 1:45	3:29 2:38	4:21 3:30	5:13 4:22	6:06 5:14	6:58 6:07	7:50 6:59	8:42 7:51	9:34 8:43
						0:52 0:10	1:44 0:53	2:37 1:45	3:29 2:38	4:21 3:30	5:13 4:22	6:06 5:14	6:58 6:07	7:50 6:59	8:42 7:51
							0:52 0:10	1:44 0:53	2:37 1:45	3:29 2:38	4:21 3:30	5:13 4:22	6:06 5:14	6:58 6:07	7:50 6:59
								0:52 0:10	1:44 0:53	2:37 1:45	3:29 2:38	4:21 3:30	5:13 4:22	6:06 5:14	6:58 6:07
									0:52 0:10	1:44 0:53	2:37 1:45	3:29 2:38	4:21 3:30	5:13 4:22	6:06 5:14
										0:52 0:10	1:44 0:53	2:37 1:45	3:29 2:38	4:21 3:30	5:13 4:22
											0:52 0:10	1:44 0:53	2:37 1:45	3:29 2:38	4:21 3:30
												0:52 0:10	1:44 0:53	2:37 1:45	3:29 2:38
													0:52 0:10	1:44 0:53	2:37 1:45
														0:52 0:10	1:44 0:53
															0:52 0:10

CHART 1 – DIVE TIMES WITH END-OF-DIVE GROUP LETTER

CHART 2 – SURFACE INTERVAL TIME

TIME RANGES ARE HOURS:MINUTES
ENTER FROM THE TOP. MOVE TO FIND SURFACE INTERVAL TIME.
MOVE LEFT TO FIND THE NEW REPETITIVE GROUP LETTER

NO-DECOMPRESSION TABLE

NOAA NITROX 38

ONLY FOR 38% O₂, 62% N₂ MIXTURES

WARNING: EVEN STRICT COMPLIANCE WITH THESE CHARTS WILL NOT GUARANTEE AVOIDANCE OF DECOMPRESSION SICKNESS, CONSERVATIVE USAGE IS STRONGLY RECOMMENDED.

RNT RESIDUAL NITROGEN TIME
+ABT ACTUAL BOTTOM TIME
ESDT EQUIVALENT SINGLE DIVE TIME



CHART 3 – REPETITIVE DIVE TIME

RED NUMBERS ARE RESIDUAL NITROGEN TIMES (RNT).
BLACK NUMBERS ARE ADJUSTED NO-STOP REPETITIVE DIVE TIMES.
ACTUAL DIVE TIME SHOULD NOT EXCEED THIS NUMBER.

00 00

PO ₂	0.84	0.90	0.96	1.01	1.07	1.19	1.30	1.42	1.53	
msw	12.3	13.8	15.3	16.9	18.4	21.4	24.5	27.6	30.6	GROUP LETTER
fsw	40	45	50	55	60	70	80	90	100	
REPETITIVE DIVES SHALLOWER THAN 40 fsw (22.3 msw) MUST USE THE 40 fsw (22.3 msw) REPETITIVE SCHEDULE	21	18	15	13	13	11	9	8	7	A
	574	353	217	150	150	81	51	40	32	B
	34	28	24	21	21	17	14	12	10	B
	561	343	208	142	142	75	46	36	29	C
	48	39	33	29	29	23	19	16	14	C
	547	332	199	134	134	69	41	32	25	D
	63	51	43	37	37	29	24	20	18	D
	532	320	189	126	126	63	36	28	21	E
	79	63	53	45	45	35	29	25	22	E
	516	308	179	118	118	57	31	23	17	F
	98	77	64	55	55	42	35	29	25	F
	497	294	168	108	108	50	25	19	14	G
	118	92	75	64	64	49	40	34	29	G
	477	279	157	99	99	43	20	14	10	H
	141	108	88	74	74	57	46	39	33	H
	454	263	144	89	89	35	14	9	6	I
	167	126	101	85	85	65	52	44	38	I
	428	245	131	78	78	27	8	4	1	J
	198	146	116	97	97	73	58			J
	397	225	116	66	66	19	2			K
	237	168	132	109	109	81				K
	358	203	100	54	54	11				L
	286	194	149	122	122	90				L
	309	177	83	41	41	2				M
	354	224	169	136	136					M
	241	147	63	27	27					N
	470	261	191	152	152					N
	125	110	41	11	11					O
		308	216							O
		63	16							Z
										Z

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START DEPTH			EXCEEDS NOAA 1.40 PO2 LIMIT										EXCEEDS MAX PO2 SINGLE EXPOSURE LIMIT										ND	
PO2	START DEPTH		00	MAXIMUM NO-STOP TIME					DIVE TIME REQUIRING DECOMPRESSION – Top															00
	msw	fsw		MINUTES REQUIRED AT 20 fsw STOP (6.1 msw) - Bottom																				
0.84	12.3	40	20	33	47	62	78	97	117	140	166	198	236	285	354	469	595							
0.90	13.8	45	17	27	38	50	62	76	91	107	125	145	167	193	223	260	307	371						
0.96	15.3	50	14	23	32	42	52	63	74	87	100	115	131	148	168	190	215	232						
1.01	16.9	55	12	20	27	36	44	53	63	73	84	95	108	121	135	151	163	180						
1.07	18.4	60	12	20	27	36	44	53	63	73	84	95	108	121	135	151	163	180						
1.19	21.4	70	9	15	21	28	34	41	48	56	63	71	80	89	92	100	110							
1.30	24.5	80	7	12	17	22	28	33	39	45	51	57	60	65		80	90							
1.42	27.6	90	6	10	14	19	23	28	32	37	42	47	48	55	60									
1.53	30.6	100	5	9	12	16	20	24	28	32	36	39	45	50										

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	Z
2:20 0:10	3:36 1:17	4:31 2:12	5:23 3:04	6:15 3:56	7:08 4:49	8:00 5:41	8:52 6:33	9:44 7:25	10:36 8:17	11:29 9:10	12:21 10:02	13:13 10:54	14:05 11:46	14:58 12:38	15:50 13:31
	1:16 0:10	2:11 0:56	3:03 1:48	3:55 2:40	4:48 3:32	5:40 4:24	6:32 5:17	7:24 6:09	8:16 7:01	9:09 7:53	10:01 8:45	10:53 9:38	11:45 10:30	12:37 11:22	13:30 12:14
		0:55 0:10	1:47 0:53	2:39 1:45	3:31 2:38	4:23 3:30	5:16 4:22	6:08 5:14	7:00 6:07	7:52 6:59	8:44 7:51	9:37 8:43	10:29 9:35	11:21 10:28	12:13 11:20
			0:52 0:10	1:44 0:53	2:37 1:45	3:29 2:38	4:21 3:30	5:13 4:22	6:06 5:14	6:58 6:07	7:50 6:59	8:42 7:51	9:34 8:43	10:27 9:35	11:19 10:28
				0:52 0:10	1:44 0:53	2:37 1:45	3:29 2:38	4:21 3:30	5:13 4:22	6:06 5:14	6:58 6:07	7:50 6:59	8:42 7:51	9:34 8:43	10:27 9:35
					0:52 0:10	1:44 0:53	2:37 1:45	3:29 2:38	4:21 3:30	5:13 4:22	6:06 5:14	6:58 6:07	7:50 6:59	8:42 7:51	9:34 8:43
						0:52 0:10	1:44 0:53	2:37 1:45	3:29 2:38	4:21 3:30	5:13 4:22	6:06 5:14	6:58 6:07	7:50 6:59	8:42 7:51
							0:52 0:10	1:44 0:53	2:37 1:45	3:29 2:38	4:21 3:30	5:13 4:22	6:06 5:14	6:58 6:07	7:50 6:59
								0:52 0:10	1:44 0:53	2:37 1:45	3:29 2:38	4:21 3:30	5:13 4:22	6:06 5:14	6:58 6:07
									0:52 0:10	1:44 0:53	2:37 1:45	3:29 2:38	4:21 3:30	5:13 4:22	6:06 5:14
										0:52 0:10	1:44 0:53	2:37 1:45	3:29 2:38	4:21 3:30	5:13 4:22
											0:52 0:10	1:44 0:53	2:37 1:45	3:29 2:38	4:21 3:30
												0:52 0:10	1:44 0:53	2:37 1:45	3:29 2:38
													0:52 0:10	1:44 0:53	2:37 1:45
														0:52 0:10	1:44 0:53
															0:52 0:10

CHART 1 – DIVE TIMES WITH END-OF-DIVE GROUP LETTER

CHART 2 – SURFACE INTERVAL TIME

TIME RANGES ARE HOURS:MINUTES
ENTER FROM THE TOP, MOVE TO FIND SURFACE INTERVAL TIME.
MOVE LEFT TO FIND THE NEW REPETITIVE GROUP LETTER

NO-DECOMPRESSION TABLE

NOAA NITROX 39

ONLY FOR 39% O₂, 61% N₂ MIXTURES

WARNING: EVEN STRICT COMPLIANCE WITH THESE CHARTS WILL NOT GUARANTEE AVOIDANCE OF DECOMPRESSION SICKNESS, CONSERVATIVE USAGE IS STRONGLY RECOMMENDED.

RNT RESIDUAL NITROGEN TIME
+ABT ACTUAL BOTTOM TIME
ESDT EQUIVALENT SINGLE DIVE TIME



CHART 3 – REPETITIVE DIVE TIME

RED NUMBERS ARE RESIDUAL NITROGEN TIMES (RNT).
BLACK NUMBERS ARE ADJUSTED NO-STOP REPETITIVE DIVE TIMES.
ACTUAL DIVE TIME SHOULD NOT EXCEED THIS NUMBER.

00 00

PO ₂	0.86	0.92	0.98	1.04	1.10	1.22	1.34	1.45	1.57	
msw	12.3	13.8	15.3	16.9	18.4	21.4	24.5	27.6	30.6	GROUP LETTER
fsw	40	45	50	55	60	70	80	90	100	
REPETITIVE DIVES SHALLOWER THAN 40 fsw (22.3 msw) MUST USE THE 40 fsw (22.3 msw) REPETITIVE SCHEDULE	21	18	15	15	13	11	10	8	8	A
	574	353	217	217	150	81	64	40	40	B
	34	28	24	24	21	17	15	12	12	C
	561	343	208	208	142	75	59	36	36	D
	48	39	33	33	29	23	20	16	16	E
	547	332	199	199	134	69	54	32	32	F
	63	51	43	43	37	29	26	20	20	G
	532	320	189	189	126	63	48	28	28	H
	79	63	53	53	45	35	32	25	25	I
	516	308	179	179	118	57	42	23	23	J
	98	77	64	64	55	42	38	29	29	K
	497	294	168	168	108	50	36	19	19	L
	118	92	75	75	64	49	44	34	34	M
	477	279	157	157	99	43	30	14	14	N
	141	108	88	88	74	57	51	39	39	O
	454	263	144	144	89	35	23	9	9	P
	167	126	101	101	85	65	58	44	44	Q
	428	245	131	131	78	27	16	4	4	R
	198	146	116	116	97	73	65			S
	397	225	116	116	66	19	9			T
	237	168	132	132	109	81	72			U
	358	203	100	100	54	11	2			V
	286	194	149	149	122	90				W
	309	177	83	83	41	2				X
	354	224	169	169	136					Y
	241	147	63	63	27					Z
	470	261	191	191	152					
	125	110	41	41	11					
		308	216	216						
		63	16	16						

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START DEPTH			EXCEEDS NOAA 1.40 PO2 LIMIT										EXCEEDS MAX PO2 SINGLE EXPOSURE LIMIT										ND		
PO2	START DEPTH		00	MAXIMUM NO-STOP TIME					DIVE TIME REQUIRING DECOMPRESSION – Top MINUTES REQUIRED AT 20 fsw STOP (6.1 msw) - Bottom															00	
	msw	fsw																							
0.86	12.3	40	20	33	47	62	78	97	117	140	166	198	236	285	354	469	595								
0.92	13.8	45	17	27	38	50	62	76	91	107	125	145	167	193	223	260	307	371							
0.98	15.3	50	14	23	32	42	52	63	74	87	100	115	131	148	168	190	215	232							
1.04	16.9	55	14	23	32	42	52	63	74	87	100	115	131	148	168	190	215	232							
1.10	18.4	60	12	20	27	36	44	53	63	73	84	95	108	121	135	151	163	180	14						
1.22	21.4	70	9	15	21	28	34	41	48	56	63	71	80	89	92	100	110								
1.34	24.5	80	8	14	19	25	31	37	43	50	56	63	71	74	80	90	100								
1.45	27.6	90	6	10	14	19	23	28	32	37	42	47	48	55	60										
1.57	30.6	100	6	10	14	19	23	28	32	37	42	47	48	55	60										

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	Z
2:20 0:10	3:36 1:17	4:31 2:12	5:23 3:04	6:15 3:56	7:08 4:49	8:00 5:41	8:52 6:33	9:44 7:25	10:36 8:17	11:29 9:10	12:21 10:02	13:13 10:54	14:05 11:46	14:58 12:38	15:50 13:31
	1:16 0:10	2:11 0:56	3:03 1:48	3:55 2:40	4:48 3:32	5:40 4:24	6:32 5:17	7:24 6:09	8:16 7:01	9:09 7:53	10:01 8:45	10:53 9:38	11:45 10:30	12:37 11:22	13:30 12:14
		0:55 0:10	1:47 0:53	2:39 1:45	3:31 2:38	4:23 3:30	5:16 4:22	6:08 5:14	7:00 6:07	7:52 6:59	8:44 7:51	9:37 8:43	10:29 9:35	11:21 10:28	12:13 11:20
			0:52 0:10	1:44 0:53	2:37 1:45	3:29 2:38	4:21 3:30	5:13 4:22	6:06 5:14	6:58 6:07	7:50 6:59	8:42 7:51	9:34 8:43	10:27 9:35	11:19 10:28
				0:52 0:10	1:44 0:53	2:37 1:45	3:29 2:38	4:21 3:30	5:13 4:22	6:06 5:14	6:58 6:07	7:50 6:59	8:42 7:51	9:34 8:43	10:27 9:35
					0:52 0:10	1:44 0:53	2:37 1:45	3:29 2:38	4:21 3:30	5:13 4:22	6:06 5:14	6:58 6:07	7:50 6:59	8:42 7:51	9:34 8:43
						0:52 0:10	1:44 0:53	2:37 1:45	3:29 2:38	4:21 3:30	5:13 4:22	6:06 5:14	6:58 6:07	7:50 6:59	8:42 7:51
							0:52 0:10	1:44 0:53	2:37 1:45	3:29 2:38	4:21 3:30	5:13 4:22	6:06 5:14	6:58 6:07	7:50 6:59
								0:52 0:10	1:44 0:53	2:37 1:45	3:29 2:38	4:21 3:30	5:13 4:22	6:06 5:14	6:58 6:07
									0:52 0:10	1:44 0:53	2:37 1:45	3:29 2:38	4:21 3:30	5:13 4:22	6:06 5:14
										0:52 0:10	1:44 0:53	2:37 1:45	3:29 2:38	4:21 3:30	5:13 4:22
											0:52 0:10	1:44 0:53	2:37 1:45	3:29 2:38	4:21 3:30
												0:52 0:10	1:44 0:53	2:37 1:45	3:29 2:38
													0:52 0:10	1:44 0:53	2:37 1:45
														0:52 0:10	1:44 0:53
															0:52 0:10

CHART 1 – DIVE TIMES WITH END-OF-DIVE GROUP LETTER

CHART 2 – SURFACE INTERVAL TIME

TIME RANGES ARE HOURS:MINUTES
ENTER FROM THE TOP, MOVE TO FIND SURFACE INTERVAL TIME.
MOVE LEFT TO FIND THE NEW REPETITIVE GROUP LETTER

ONLY FOR 40% O₂, 60% N₂ MIXTURES

ESDT EQUIVALENT SINGLE
DIVE TIME



RED NUMBERS ARE RESIDUAL NITROGEN TIMES (RNT).
BLACK NUMBERS ARE ADJUSTED NO-STOP REPETITIVE DIVE TIMES.
ACTUAL DIVE TIME SHOULD NOT EXCEED THIS NUMBER

[illegible]

40

START DEPTH			EXCEEDS NOAA 1.40 PO2 LIMIT										EXCEEDS MAX PO2 SINGLE EXPOSURE LIMIT										ND	
PO2	msw	fsw	00		MAXIMUM NO-STOP TIME					DIVE TIME REQUIRING DECOMPRESSION – Top MINUTES REQUIRED AT 20 fsw STOP (6.1 msw) - Bottom										00				
0.88	12.3	40	20	33	47	62	78	97	117	140	166	198	236	285	354	469	595							
0.95	13.8	45	17	27	38	50	62	76	91	107	125	145	167	193	223	260	307	371						
1.01	15.3	50	17	27	38	50	62	76	91	107	125	145	167	193	223	260	307	371						
1.07	16.9	55	14	23	32	42	52	63	74	87	100	115	131	148	168	190	215	232						
1.13	18.4	60	12	20	27	36	44	53	63	73	84	95	108	121	135	151	163	180	14					
1.25	21.4	70	9	15	21	28	34	41	48	56	63	71	80	89	92	100	110							
1.37	24.5	80	8	14	19	25	31	37	43	50	56	63	71	74	80	90								
1.49	27.6	90	7	12	17	22	28	33	39	45	51	57	60	65		80	90							

[illegible]

CHART 2 – SURFACE INTERVAL TIME

TIME RANGES ARE HOURS:MINUTES
ENTER FROM THE TOP, MOVE TO FIND SURFACE INTERVAL TIME.
MOVE LEFT TO FIND THE NEW REPETITIVE GROUP LETTER

CHART 1 – DIVE TIMES WITH END-OF-DIVE GROUP LETTER