DIVE Version 3

Windows Software (for Win 7 & higher) free of charge:
→ dive simulation (Desktop Deco Software)
→ learning tool for dive computers & decompression
→ Download, Click & Run …. ☺

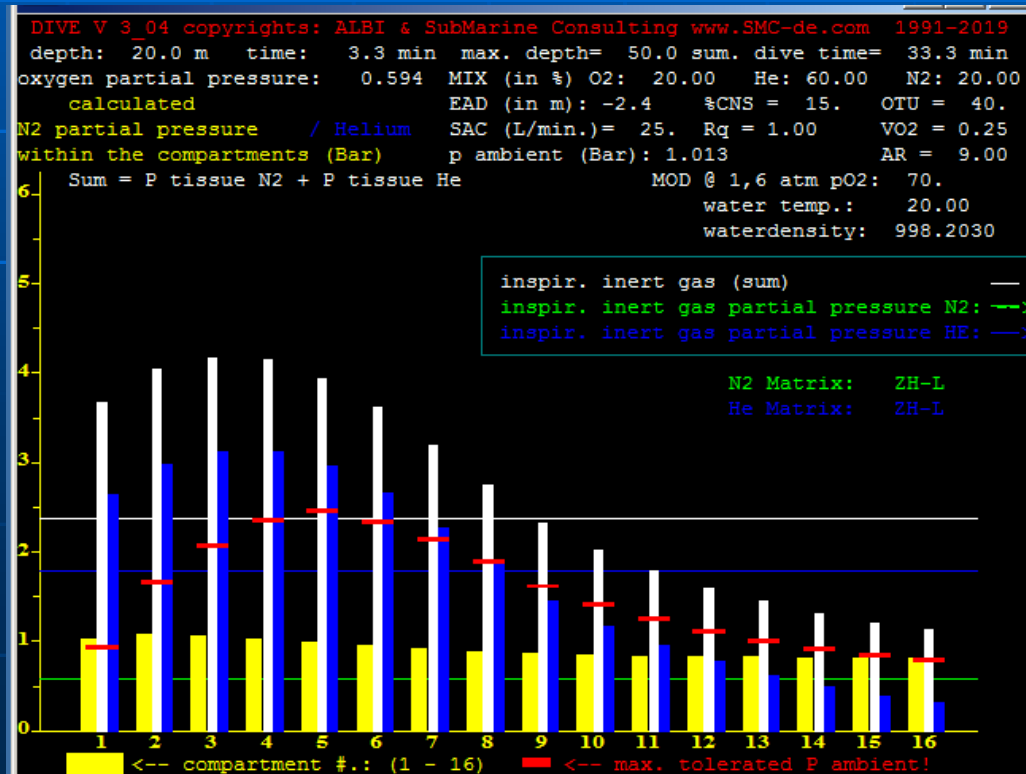Planning / Simulation of **all** dives (rec., tec, sat., bounce, …):
→ time, depth, gas mix: no restrictions
→ NDL tables for AIR & **any** EAN / Nitrox

Multiple, approved
decompression algorithms:
→ Buehlmann
→ Hahn
→ United States Navy
→ and others (MT92, DCIEM, …
→ automated
decompression calculations:


```
DIVE V 3_04 copyrights: ALBI & SubMarine Consulting www.SMC-de.com  1991-2019
depth:  20.0 m    time:    3.3 min  max. depth=  50.0 sum. dive time=  33.3 min
oxygen partial pressure:    0.594  MIX (in %) O2:  20.00    He: 60.00    N2: 20.00
    calculated                     EAD (in m): -2.4    %CNS =  15.    OTU =  40.
N2 partial pressure     / Helium   SAC (L/min.)= 25.  Rq = 1.00     VO2 = 0.25
within the compartments (Bar)      p ambient (Bar): 1.013           AR =  9.00
   Sum = P tissue N2 + P tissue He               MOD @ 1,6 atm pO2:  70.
                                                 water temp.:      20.00
                                                 waterdensity:   998.2030

       inspir. inert gas (sum)                          —
       inspir. inert gas partial pressure N2: -->
       inspir. inert gas partial pressure HE: —

                                        N2 Matrix:    ZH-L
                                        He Matrix:    ZH-L
```

<-- compartment #.: (1 - 16)   <-- max. tolerated P ambient!

```
Deco Prognosis:
9m Stop  Prognosis Deco time:    2.00  Komp.#:   3
6m Stop  Prognosis Deco time:    6.00  Komp.#:   4
3m Stop  Prognosis Deco time:   16.00  Komp.#:   6
TTS =   28.00
```

DIVE Version 3

various simulations for advanced a./o. TEC divers:
→ deep stops, gradient factors, variable stop depths
→ decompression with EAN/Nitrox a./o. pure oxygen
→ Trimix / Heliox / latency through mix-changes
→ altitude diving
→ skin cooling down
→ Workload / $VO_{2,max}$
→ oxygen corrections
→ asymmetrical de-saturation
→ Right-to-Left Shunt
→ decompression-
risk analysis according to
DAN / DRA: ------------------→

Elaborate Manual:
→ as well for free,
→ with exercises &
examples
→ sources & further reading

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saturation in % of P, tissue, tolerated
relative to actual P ambient
(for AIR/EAN/Nitrox)

Depth: 15.0 m
time: 28.0 min

N2 Matrix: ZH-L

GF Hi

GF Lo

fast   medium   slow compartments
<-- compartment No.:   (1 - 16)   --->