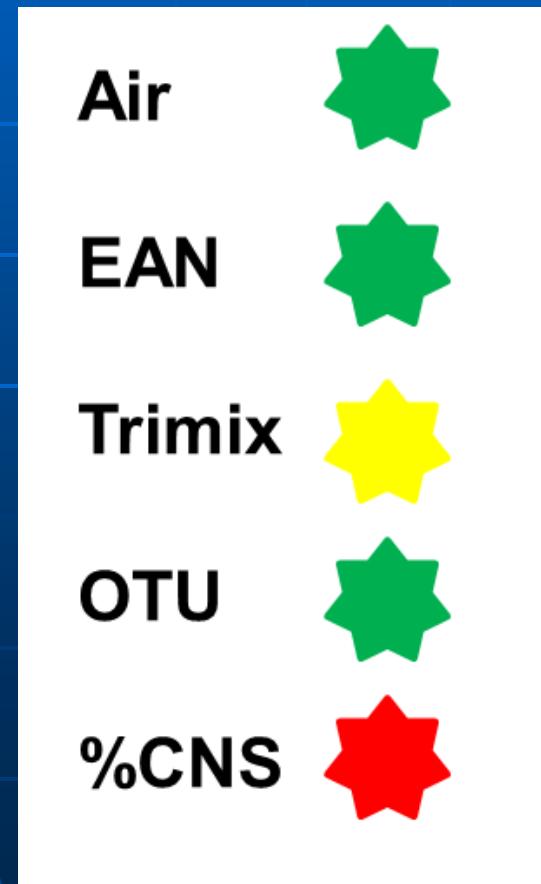


Benchmark RATIO iX3M

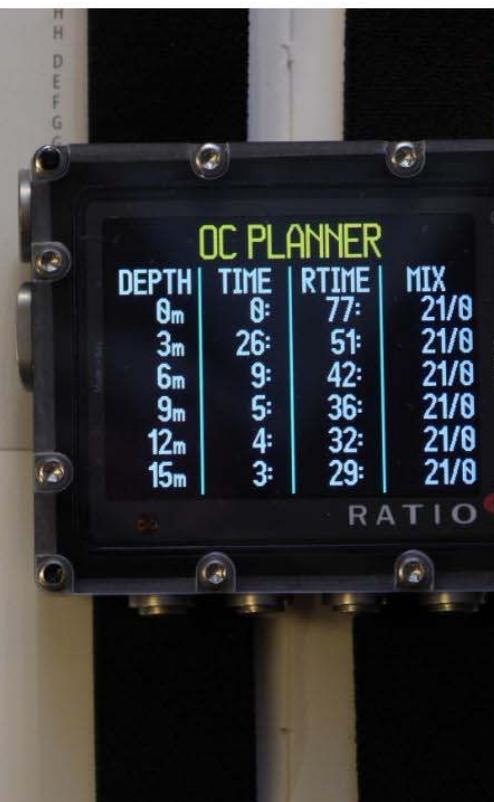
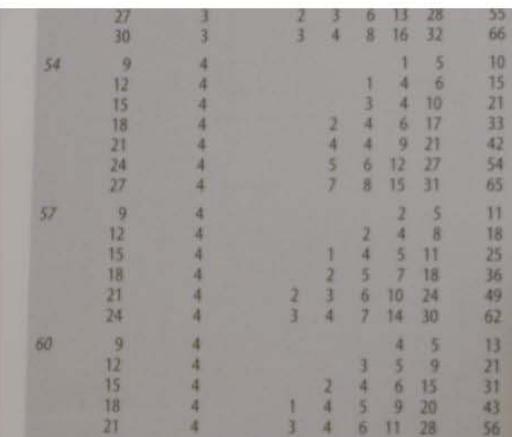
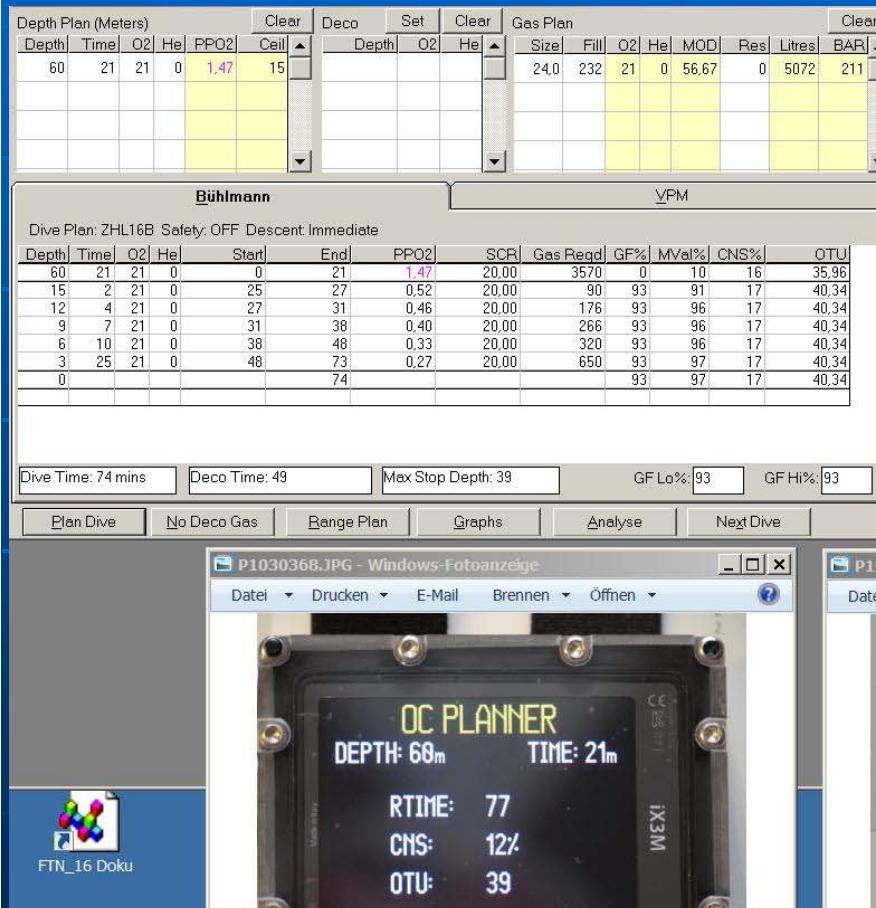
- Bottomline:
- Benchmarks are no profiles for diving!
- Instead, the overall reliability & stability of the implementation of
- the algorithms is checked:



Benchmark RATIO iX3M

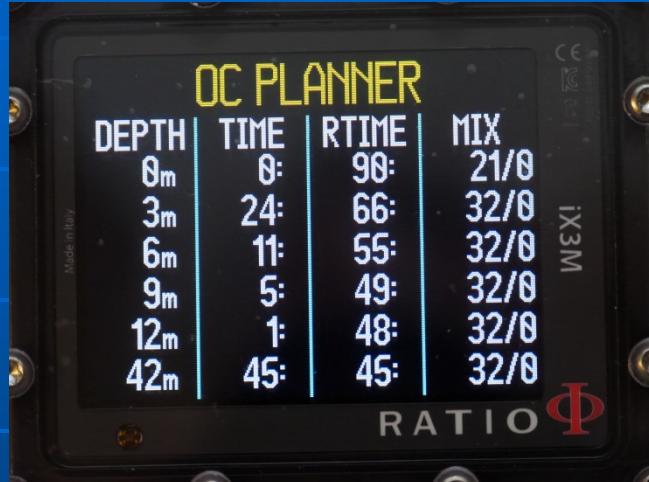
Sub
Marine
Consulting

- Air, 60 m, 21 min \leftrightarrow ZH-86 p. 228 from [65]



Benchmark RATIO iX3M

- EAN 32, 42 m, 45 min ↔ DIVE 3_01



was jetzt? a

maximale Ceiling: 7.21

Vorschlag Haldane 2:1 [m] = 16.0

Vorschlag Hills, B. A.: DEEP STOP [m] = 24

PDIS fuer TAU = 10 min: 40.22 [m]

PDIS fuer TAU = 20 min: 33.54 [m]

PDIS fuer TAU = 30 min: 27.77 [m]

Eingabe der Austauchstufe in Metern & cm: (m.cm):

Austauchstufe ist zu hoch:
niedriger wie Ceiling waehlen!

Deko Prognose:

9m Stopp Prognose Dekozeit: 3.00 Komp.#: 4

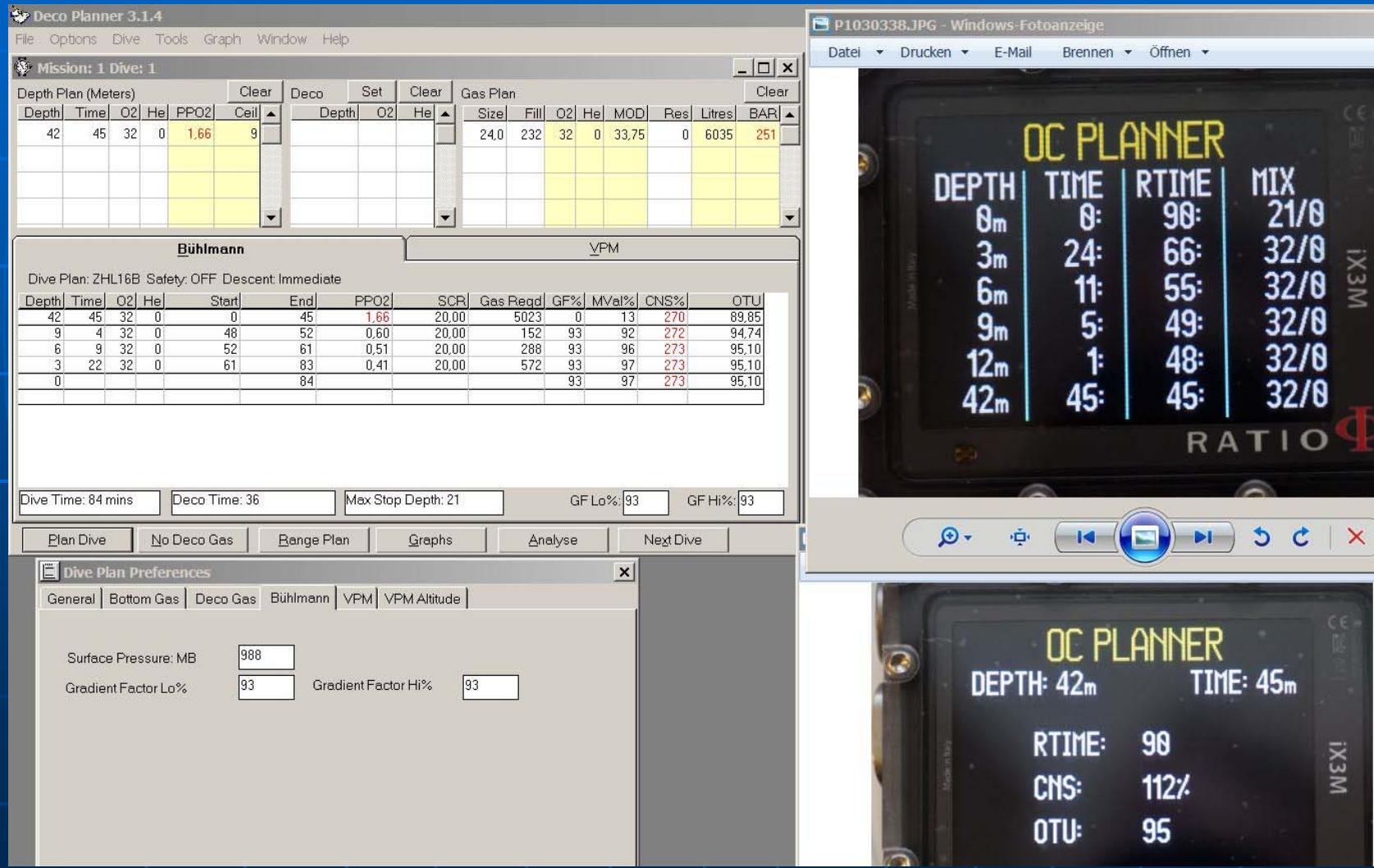
6m Stopp Prognose Dekozeit: 10.00 Komp.#: 6

3m Stopp Prognose Dekozeit: 23.00 Komp.#: 7

TTS = 40.00

Benchmark RATIO iX3M

- EAN 32, 42 m, 45 min ↔ GUE DecoPlanner 3.1.4



Benchmark RATIO iX3M

- Trimix 21 / 50 , 42 m, 25 min ↔ GUE DecoPlaner 3.1.4

Mission: 1 Dive: 1

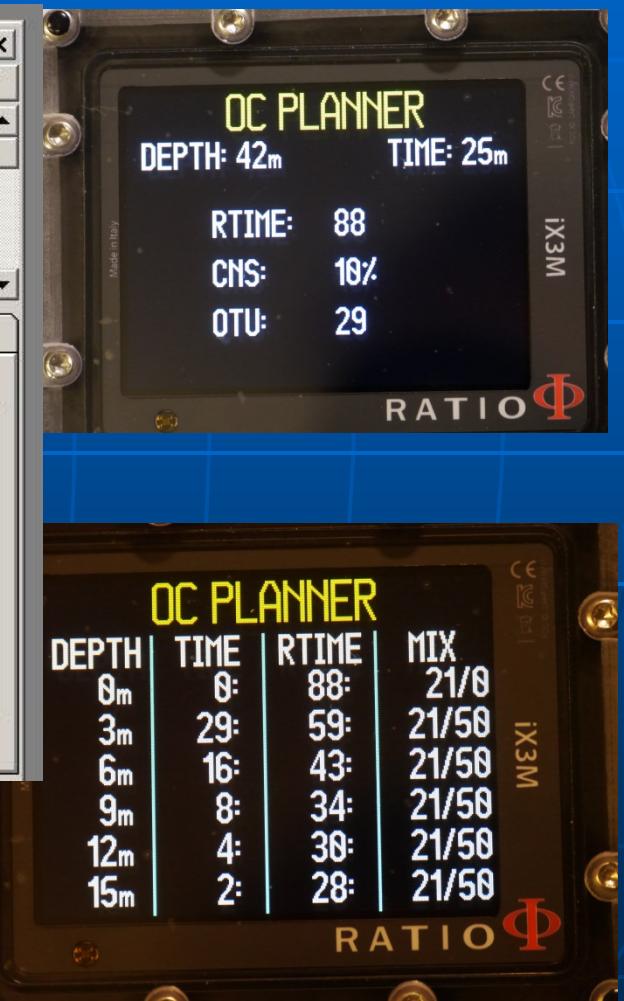
Depth Plan (Meters)					Clear	Deco	Set	Clear	Gas Plan					Clear		
Depth	Time	O2	He	PPO2	Ceil	Depth	O2	He	Size	Fill	O2	He	MOD	Res	Litres	BAR
42	25	21	50	1,09	9				24.0	232	21	50	56,67	0	4025	168

Bühlmann YPM

Dive Plan: ZHL16B Safety: OFF Descent: Immediate

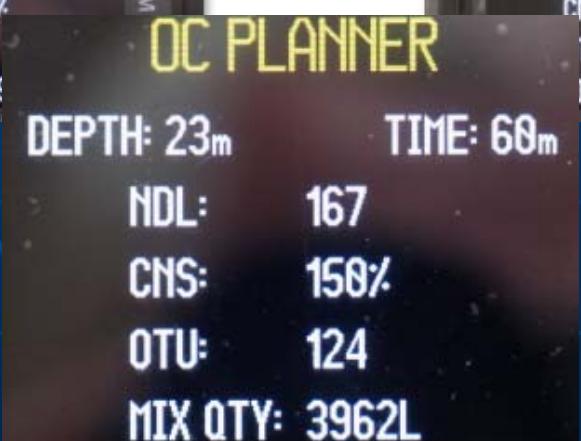
Depth	Time	O2	He	Start	End	PPO2	SCR	Gas Reqd	GF%	MVal%	CNS%	OTU
42	25	21	50	0	25	1,09	20,00	2943	0	13	10	28,31
9	5	21	50	28	33	0,40	20,00	190	93	96	11	30,03
6	10	21	50	33	43	0,33	20,00	320	93	96	11	30,03
3	22	21	50	43	65	0,27	20,00	572	93	96	11	30,03
0					66				93	97	11	30,03

Dive Time: 66 mins Deco Time: 38 Max Stop Depth: 27 GF Lo%: 93 GF Hi%: 93



Benchmark RATIO iX3M

- %CNS & OTU (EAN 50 @ 23 m, 45 → 60 min.)

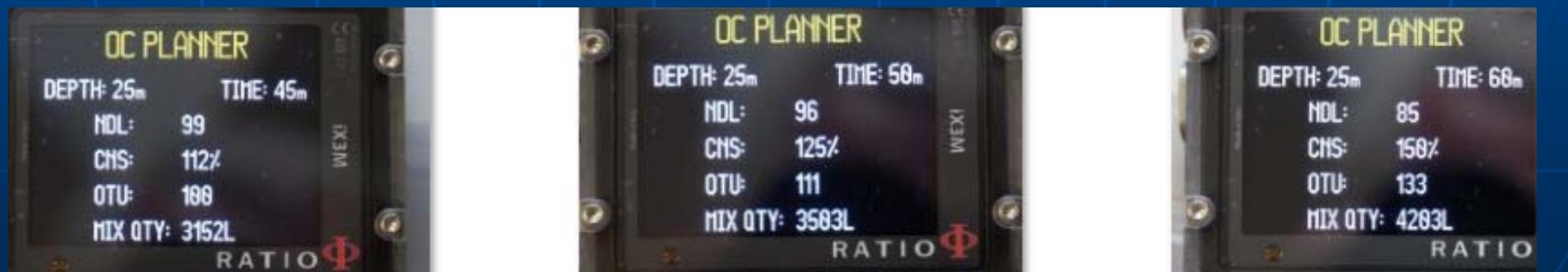


Benchmark RATIO iX3M

- %CNS & OTU (EAN 50 @ 24 m, 45 → 60 min.)

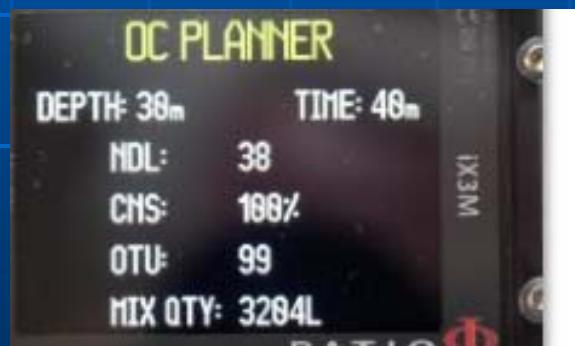


- %CNS & OTU (EAN 50 @ 25 m, 45 → 60 min.)



Benchmark RATIO iX3M

- %CNS & OTU (EAN 50 @ 30 m, 10 → 50 min.)



Benchmark RATIO iX3M

- %CNS & OTU (EAN 50 @ 40 m, 10 → 40 min.)



Benchmark RATIO iX3M

- Concerning a $pO_2 > 1.6$ atm
- there is an easy and clear recommendation published in the Tech Diving Magazine, Issue 7, June 2012:
- Tech Diving Mag, Issue 07 / 2012:
“Mother Nature is a Bitch: beyond a pO_2 of 1.6”
- <http://www.techdivingmag.com/download007.asp>
- Pages 16 - 22