

The:  
„little virtual dive computer museum“  
2026, Part II:

**(still): the Extremely Silly 546**

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**(still): the Extremely Silly 546**  
**(firmware update for the iX3M 2 DEEP)**

Presented by:

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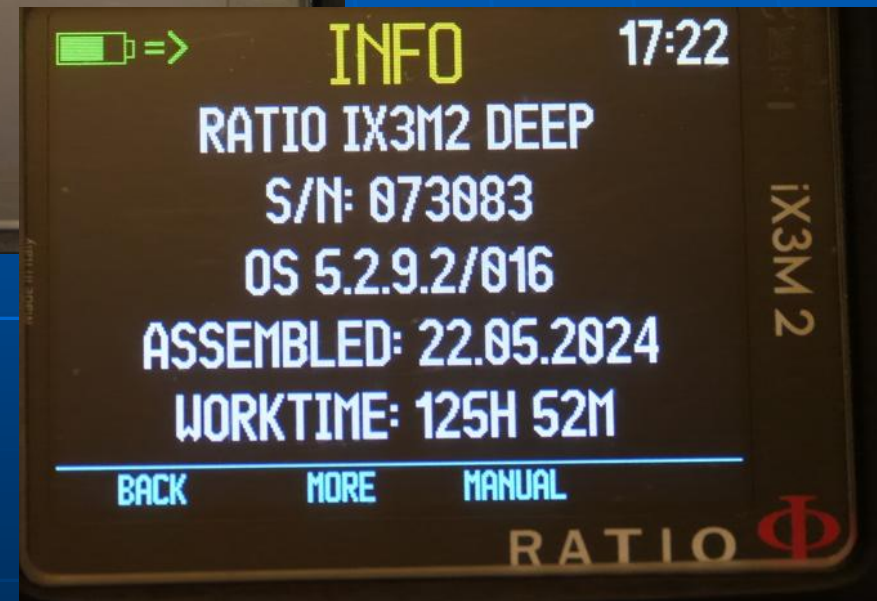
ALBI אלבי, SubMarineConsulting

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TEC 4.0: update!-Meeting for TEC instructors

# 2026, Part II: the extremely silly 546

SUB  
MARINE  
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In 05 / 2026 there was a firmware update for the iX3M 2 DEEP from 5.2.8.25/016 to 5.2.9.2/016

# 2026, Part II: (still): the extremely silly 546

We are referring here to the DIVE SYSTEMS RATIO® iX3M 2 DEEP and our evaluations from 2024 & 2026 in the

**„little virtual dive computer museum“, 2024, part III**

also available for free @ RESEARCHGATE:

**<https://doi.org/10.13140/RG.2.2.36769.67688>**

# 2026, Part II: (still): the extremely silly 546 still unresolved ...

**OC PLANNER**  
DEPTH: 9m                      TIME: 20  
NDL:                      546  
CNS:                      0%  
OTU:                      0  
MIX QTY: 756L

DEPTH: 9m                      TIME: 45  
NDL:                      546  
CNS:                      0%

Screen shots from the OC Planner @ Air:

**OC PLANNER**  
DEPTH: 12m                      TIME: 20  
NDL:                      546  
CNS:                      0%  
OTU:                      0  
MIX QTY: 876L

DEPTH: 9m                      TIME: 420  
NDL:                      546  
CNS:                      0%  
OTU:                      0

# 2026, Part II: (still): the extremely silly 546 still unresolved ...

420 min @ 9 m with air is NO NDL!!!

DEPTH: 9m      TIME: 420  
NDL:      546  
CNS:      0%  
OTU:      0

## Comparisons with seasoned dive tables:

depth [m]	bottom time [min]	stop times [min]	Table / Software	rem.:
9	420	<b>10 @ 3 m</b>	<b>DCIEM</b>	
30 fsw	420	<b>22 @ 20 fsw</b>	<b>USN 2018</b>	
9	420	<b>8 @ 3 m</b>	<b>3_11</b>	<b>GF 1.00</b>
9	420	<b>21 @ 3 m</b>	<b>3_11</b>	<b>GF 0.93</b>

# 2026, Part II: (still): the extremely silly 546 still unresolved ...

420 min @ 9 m with air is NO NDL!!!

DEPTH: 9m	TIME: 420
NDL:	546
CNS:	0%
OTU:	0

Comparison with desktop deco software:  
the iX3M falls short of ca. 20 min stop time !!! (\*\*\*)

D3\_11 - [Graphic1]

```
deco prognosis:
  3m stop prognosis deco time:      7.0  comp.#:  9
TTS =      8.0 min      0: 8.0 (hrs:min)
deco prognosis with gradient factors:  GF HI=  0.9300 GF LO=  0.9300
  3m stop prognosis deco time:      20.0  GF =  0.9300  comp.#: 10
TTS =     21.00 min      0:21.0 (hrs:min)
what next?
```

(\*\*\*) the GF High = GF Low = 0.93 is the default pre-set with all Bühlmann algorithms in the iX3M 2 DEEP

# 2026, Part II:

(still): the extremely silly 546  
still unresolved ...

Screen shots from the OC Planner @ EAN32:

DEPTH: 15m	TIME: 50
NDL: 546	
CNS: 6%	
OTU: 32	

%CNS should be ca. 11 %

DEPTH	TIME	RTIME	MIX	
0m	0:	77:	21/0	IX3M2
3m	16:	61:	32/0	
6m	8:	52:	32/0	
9m	4:	48:	32/0	
40m	45:	45:	32/0	

DEPTH: 40m	TIME: 45
RTIME: 77	
CNS: 66%	
OTU: 87	

TTS & OTU: quite OK; but %CNS: NO!!!

# 2026, Part II:

(still): the extremely silly 546  
still unresolved ...

Comparison with a desktop deco software:

DEPTH	TIME	RTIME	PLX	
0m	0:	77:	21/0	IX3M2
3m	16:	61:	32/0	
6m	8:	52:	32/0	
9m	4:	48:	32/0	
40m	45:	45:	32/0	

D3\_11 - [Graphic1]

deco prognosis:

```
9m stop prognosis deco time: 2.0 comp.#: 4
6m stop prognosis deco time: 8.0 comp.#: 5
3m stop prognosis deco time: 21.0 comp.#: 7
```

TTS = 35.0 min 0:35.0 (hrs:min)

deco prognosis with gradient factors: GF HI= 0.9300 GF LO= 0.9300

```
9m stop prognosis deco time: 3.0 GF = 0.9300 comp.#: 4
6m stop prognosis deco time: 9.0 GF = 0.9300 comp.#: 6
3m stop prognosis deco time: 23.0 GF = 0.9300 comp.#: 7
```

TTS = 39.00 min 0:39.0 (hrs:min)

what next?

what???

TTS with GF 0.93 falls short of ca. 7 min (\*\*\*);  
%CNS should be ca. 100 %, OTU 84

DEPTH: 40m TIME: 45

RTIME: 77

CNS: 66%

OTU: 87

oxygen exposure indices:

NOAA %CNS: 100.0 OTU: 84.0

K Values CNS-OT: 41074. P-OT: 4. ESOT: 123.72

# 2026, Part II: (still): the extremely silly 546 still unresolved ...

Screen shots from the OC Planner @ EAN99 (oxygen);  
the NOAA / USN Ox-Tox calculations also still questionable:

**DEPTH: 7<sub>m</sub>**                      **TIME: 45**

**NDL:        546**

**CNS:        74%**

**OTU:        93**

**DEPTH: 9<sub>m</sub>**                      **TIME: 45**

**NDL:        546**

**CNS:        92%**

**OTU:        185**

**OTU: quite OK,  
%CNS should be ca. 112 %**

**OTU: quite OK,  
%CNS should be ca. 150 %**