

# Ox-Tox Check (%ZNS, %CNS)

SUB  
MARINE  
CONSULTING

Diving Tower Esslingen / DE @ [www.tauchturm.com](http://www.tauchturm.com),

Saturday, 06.08.2016

Dive Computer Test @ pure oxygen

from left to right:

NHeO3, RATIO iX3M, TEC 2G, Aladin [2]

START:



# Ox-Tox Check (%ZNS, %CNS)

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from left to right: NHeO3, RATIO iX3M, TEC 2G, Aladin [2]  
after ca. 70 min, the END:



# Ox-Tox Check (%ZNS, %CNS)

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fO<sub>2</sub>: 1.00, dive time: 70 min, Air Pressure: ca. 998 +/- 2 mBar  
geometrical depth: 5,4 (5,3 – 5,6),  
Temp.: ca. 25 ° C (24 – 27) @ fresh water,

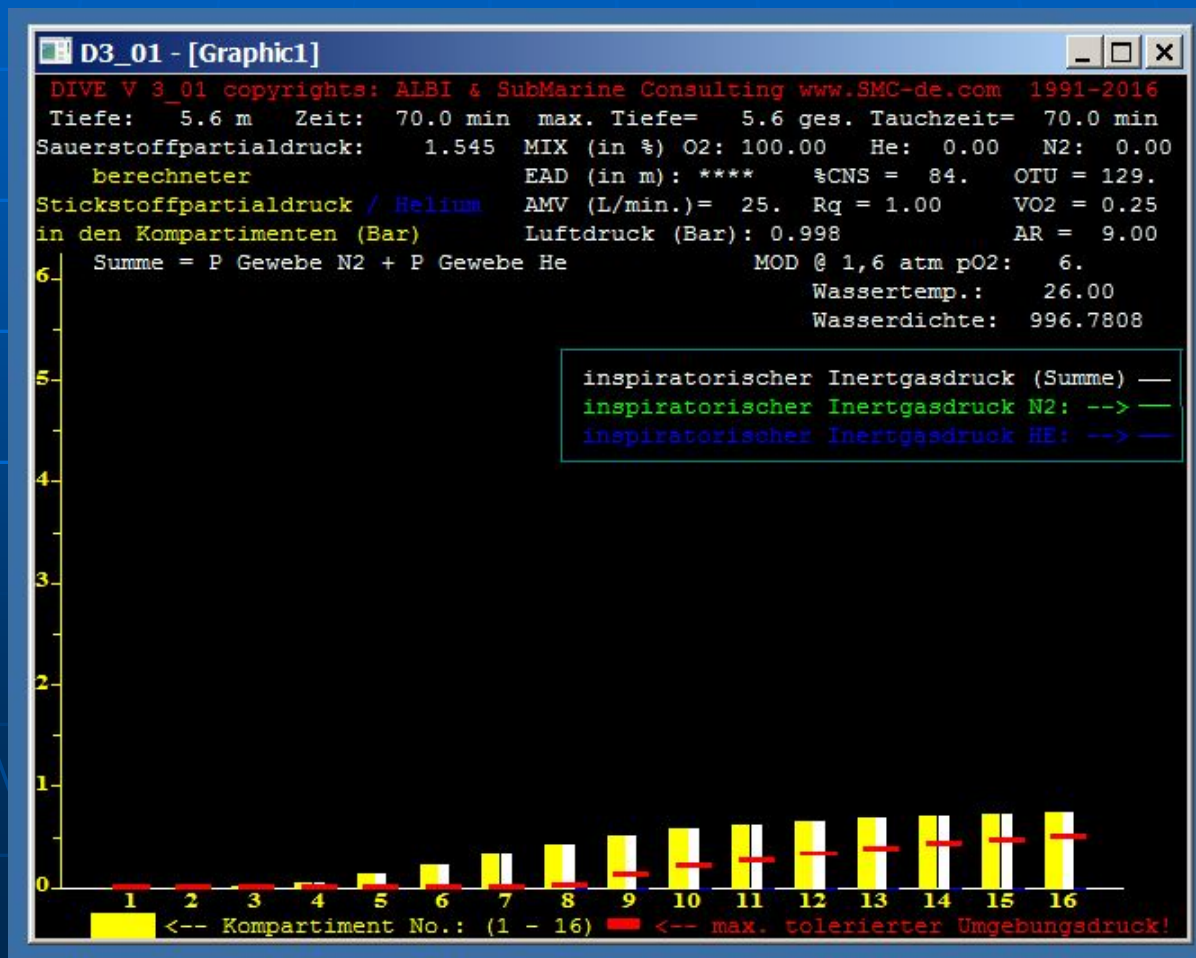




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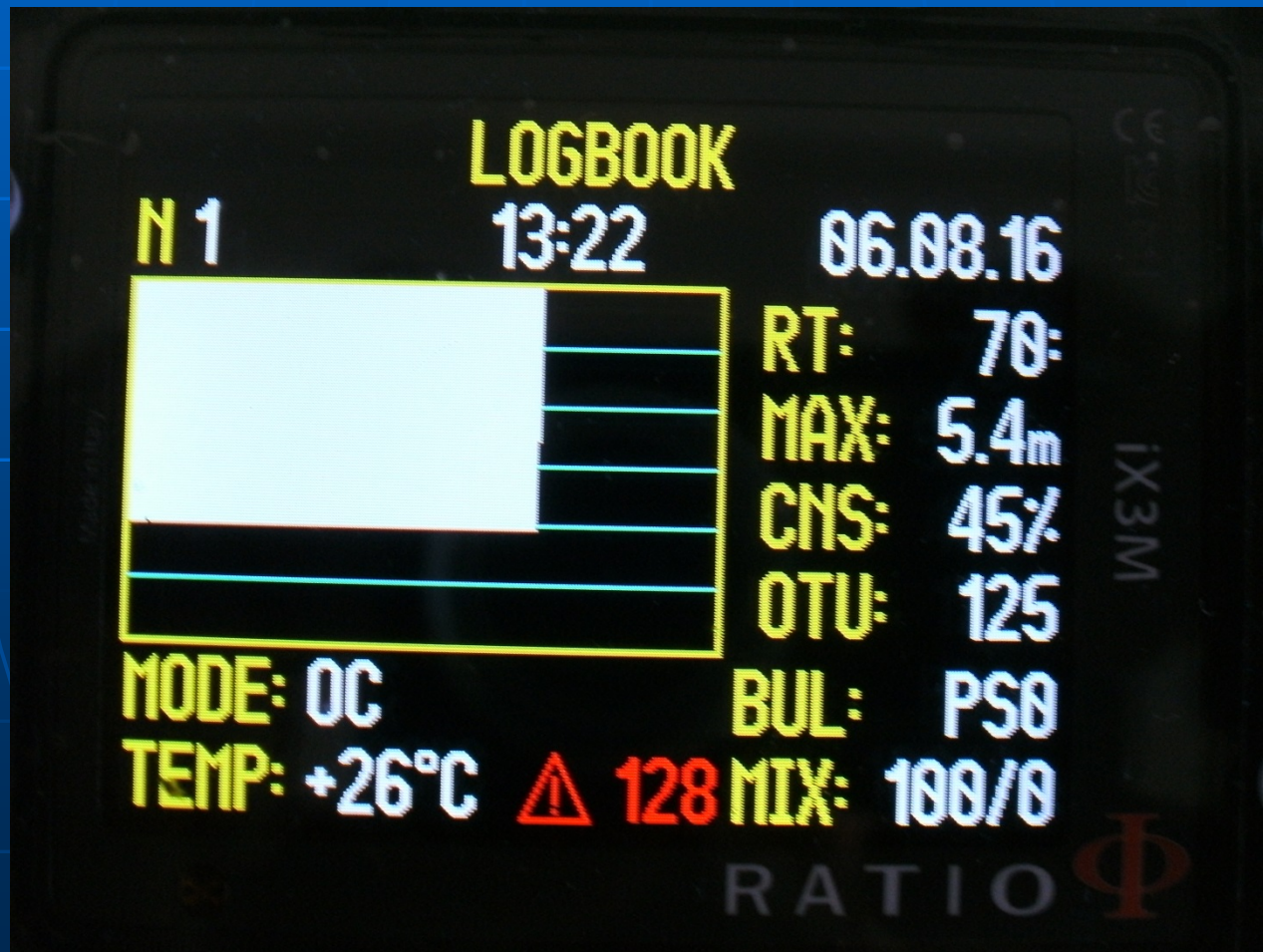
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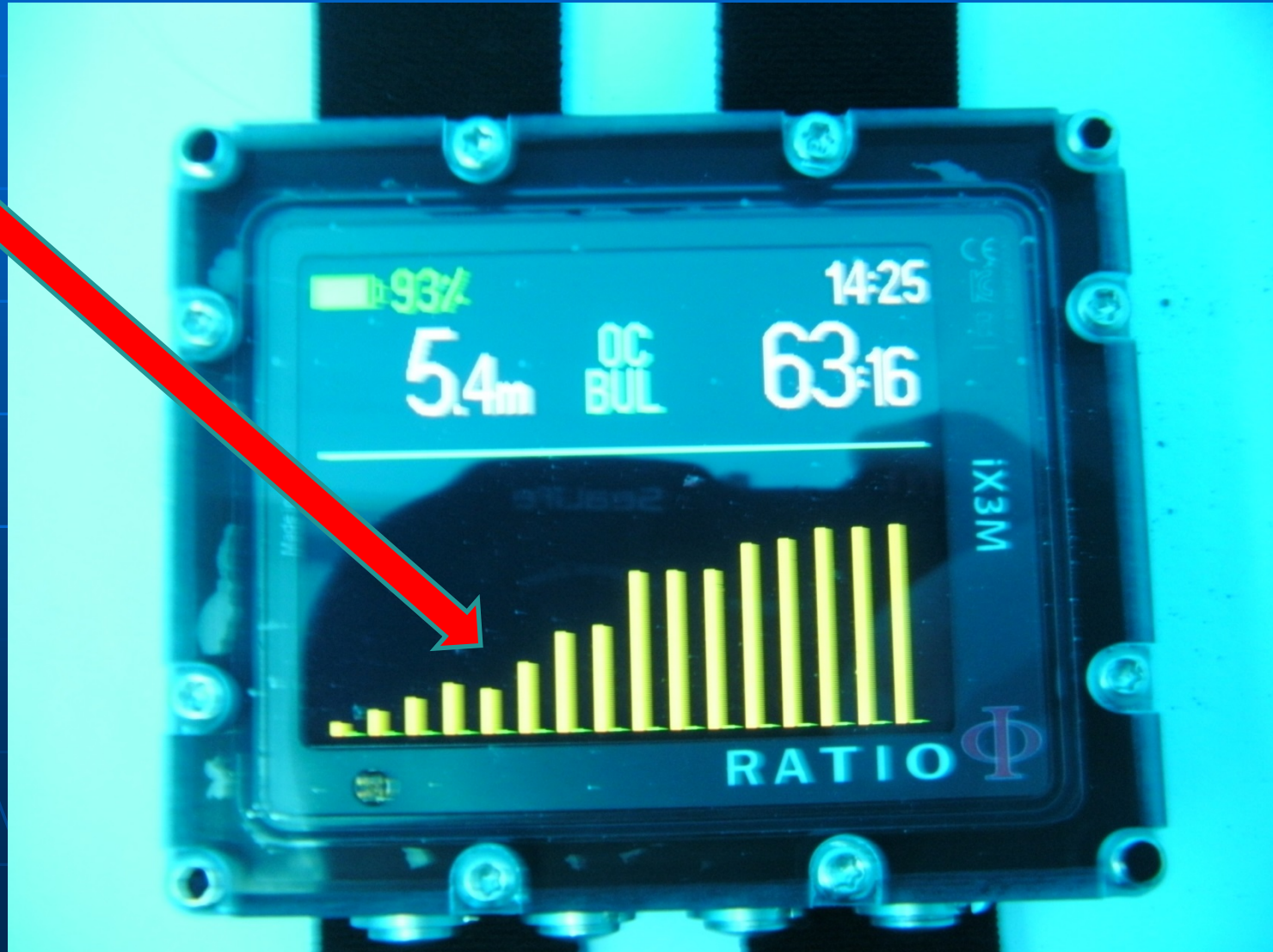
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geometrical depth: 5,4 (5,3 – 5,6);  
Temp.: ca. 25 ° C (24 – 27) @ fresh water; results:

| Dive Computer                                              | Depth [m] | %CNS<br>(%ZNS)                                                                             | OTU   | NOAA<br>Limits<br>[100%]                           |
|------------------------------------------------------------|-----------|--------------------------------------------------------------------------------------------|-------|----------------------------------------------------|
| NHeO3                                                      | 5,3       | 62 (+)  | 129   |                                                    |
| iX3M                                                       | 5,4       | 45      | 125   |                                                    |
| TEC 2 G                                                    | 5,4       | 69      | n. a. |                                                    |
| Aladin [2]                                                 | 5,4 – 5,6 | 71      | n. a. |                                                    |
| DIVE 3_01                                                  | 5,3 (*)   | 58    | 126   | 120 min @ $PO_2$ 1.5 <u>atm</u><br>70 / 120 = 0,58 |
| DIVE 3_01                                                  | 5,4 (*)   | 84    | 127   |                                                    |
| DIVE 3_01                                                  | 5,6 (*)   | 84    | 129   | 83 min @ $PO_2$ 1.55 <u>atm</u><br>70 / 83 = 0,84  |
| (*) compensated for<br>Water Temperature &<br>Air Pressure |           | (+) EAN 99;<br>i.e.: $fO_2$ = 0.99                                                         |       |                                                    |



# and a Bug somewhere else ...

Same dive: i.e.  $fO_2$ : 1.00; depth 5,4; after ca. 63 min:

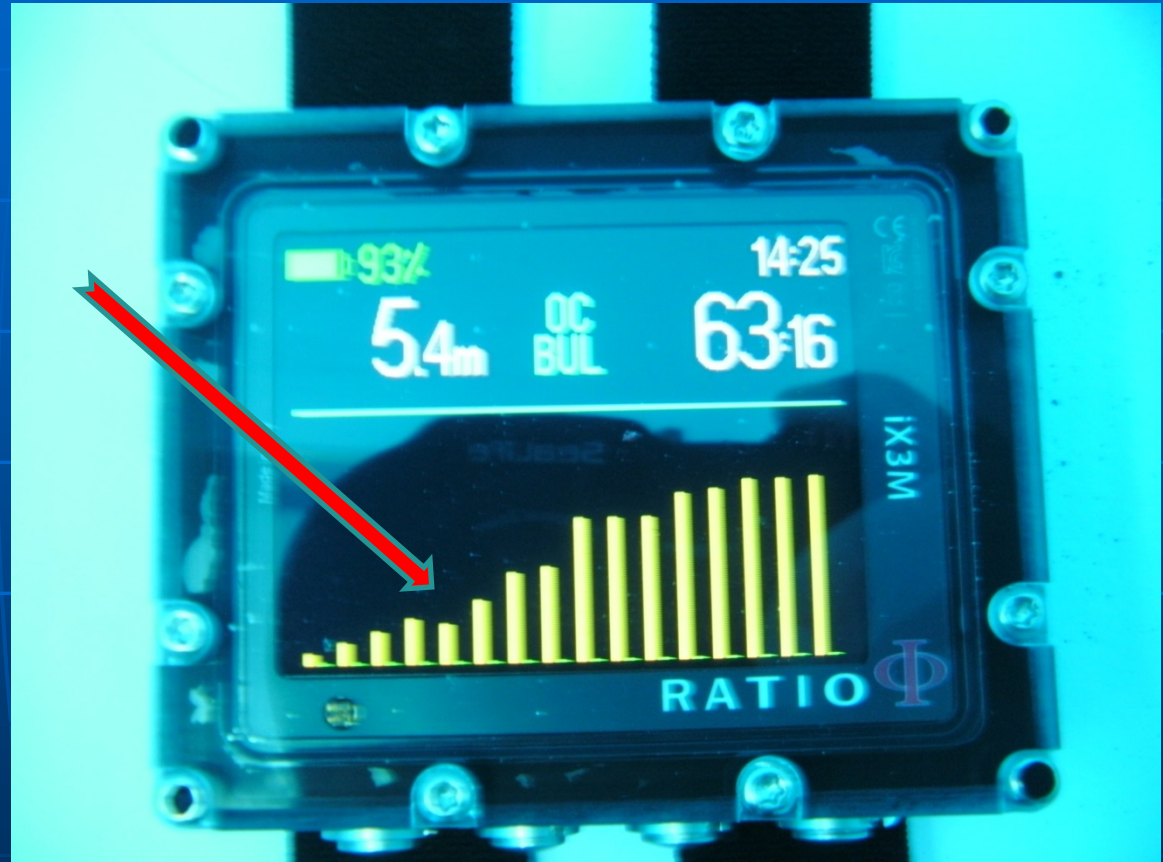


# and a Bug somewhere else ...

Same dive: i.e.  $fO_2$ : 1.00; depth 5,4 m;  
after ca. 63 min  
into the dive:

Compartment #5 is  
de-saturated faster  
than the previous  
ones #3 & 4  
with smaller  
half-times;

compartments #1  
& 2 should be  
completely „empty“





# and a Bug somewhere else ...

Same dive: i.e.  $fO_2$ : 1.00; depth 5,4; after ca. 63 min;  
should be similar to this one here (DIVE V 3\_01),

i.e.:  
smooth  
exponential  
curve,

increasing  
slowly,  
no jumps,  
no plateaus;

...



# and a Bug somewhere else ...

Same dive: i.e.  $fO_2$ : 1.00; depth 5,4; after ca. 63 min;  
should be similar to this one here (Aladin TEC 2 G

with Scubapro  
SmartTRAK 2.0801)

i.e.:  
smooth  
exponential  
curve,  
increasing  
slowly,  
no jumps,  
no plateaus;

...

