**Dados Saída 28 de Fevereiro 2020**

**Dados da Sonda, perfis verticais**

Sonda EXO2 Multiparameter, <https://www.ysi.com/EXO2>.

Parâmetros obtidos pela sonda EXO2:

Nota: o resultado Chla refere-se a uma medida de fluorescência da Clorofila a, estimado a partir de RFU através de um algoritmo interno. È um método complementar em relação ao que foi medido no laboratório. Podem ver no website da sonda: *Chlorophyll fluoresces when irradiated with light of a particular wavelength (435-470 nm). For field measurements,* in situ*fluorometers induce chlorophyll to fluoresce by shining a beam of light of the proper wavelength into the water and then measuring the higher wavelength light which is emitted. These real-time chlorophyll measurements complement extractive lab analysis.*

Não especificámos este método nas aulas, mas penso que devem ter falado em fluorescência na disciplina de Fisiologia Vegetal do 2º ano.

Façam uma análise critica desta tabela. Coloquem apenas os parâmetros que vos parecem relevantes

**Grupo 1:**

CTD/Sonda:

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Prof | Chla | NTU | pH | Sal | OD | %OD | TºC | OBS |
| 0.208 | 0.66 | 0.76 | 7.06 | 35.61 | 7.68 | 94.1 | 14.604 | 10h37Passou um barco |
| 0.943 | 0.73 | 0.67 | 6.98 | 35.66 | 7.60 | 93.2 | 14.64 | 10h39 |
| 1.912 | 0.65 | 0.68 | 6.89 | 35.78 | 7.36 | 90.4 | 14.750 | 11h43 |
| 3 | 0.69 | 1.04 | 6.87 | 35.88 | 7.34 | 90.3 | 14.794 | 11h44 |

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**Grupo 2:**

CTD/Sonda:

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Prof | Chla | NTU | pH | Sal | OD | %OD | TºC | OBS |
| 0.081 | 0.72 | 0.74 | 7.14 | 35.53 | 7.85 | 96.4 | 14.7 | 11h15 |
| 1.04 | 0.55 | 0.66 | 6.87 | 35.62 | 7.71 | 94.5 | 14.67 | 11h18 |
| 2.2 | 0.56 | **0.78** | 6.74 | 35.7 | 7.51 | 92.2 | 14.7 | 11h20 |
| 3.1 | 0.72 | 1.10 | 6.69 | 35.85 | 7.41 | 91.1 | 14.7 | 11h22 |

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**Grupo 3:**

CTD/Sonda:

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Prof | Chla | NTU | pH | Sal | OD | %OD | TºC | OBS |
| 0.2 | 0.66 | 0.76 | 7.06 | 35.61 | 7.68 | 94.1 | 14.604 | Passou o barco10:37 |
| 0.943 | 0.76 | 0.67 | 6.98 | 35.66 | 7.60 | 93.2 | 14.64 | 10:39 |
| 1.912 | 0.65 | 0.68 | 6.89 | 35.78 | 7.36 | 90.4 | 14.750 | 10:43 |
| 3.00 | 0.69 | 1.04 | 687 | 35.88 | 7.34 | 90.3 | 14.794 | 10:44 |

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**Grupo 4:**

CTD/Sonda:

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Prof | Chla | NTU | pH | Sal | OD | %OD | TºC | OBS |
| ? | 0.6 | 0.68 | 7.1 | 35.58 | 7.78 | 95.4 | 14.613 | 10h52 |
| 1.016 | 0.68 | 0.7 | 6.82 | 35.64 | 7.68 | 94.1 | 14.631 | 10h57 |
| 2.366 | 0.55 | 0.82 | 6.73 | 35.82 | 7.42 | 91.2 | 14.723 | 11h02 |
| 2.967 | 0.75 | 0.84 | 6.69 | 35.81 | 7.4 | 91 | 14.748 | 11h05 |

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**Grupo 5:**

CTD/Sonda:

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Prof | Chla | NTU | pH | Sal | OD | %OD | TºC | OBS |
| 0.081 | 0.72 | 0.74 | 7.14 | 35.53 | 7.85 | 96.4 | 14.7 | 11h15 |
| 1.04 | 0.55 | 0.66 | 6.87 | 35.62 | 7.71 | 94.5 | 14.67 | 11h18 |
| 2.2 | 0.56 | **0.8** | 6.74 | 35.7 | 7.51 | 92.2 | 14.7 | 11h20 |
| 3.1 | 0.72 | 1.10 | 6.69 | 35.85 | 7.41 | 91.1 | 14.7 | 11h22 |

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**Grupo 6:**

CTD/Sonda:

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Prof | Chla | NTU | pH | Sal | OD | %OD | TºC | OBS |
| 0 | 0.60 | 0.65 | 7.67 | 35.81 | 7.41 | 91.3 | 14.728 | 10:11 |
| 0.970 | 0.47 | 0.58 | 7.37 | 35.85 | 7.16 | 88 | 14.76 | 10:14 |
| 1.987 | 0.45 | **0.75** | 7.27 | 35.88 | 7.25 | 89.2 | 14.771 | 10:19 |
| 2.955 | 0.60 | 1.02 | 7.20 | 35.91 | 7.22 | 88.90 | 14.778 | 10:24 |