

## **BGC SOLO**

### **Pre-deployment optical sensor cleaning**

*Prior to deployment, please clean the three optical sensors: the SUNA, ECO and OCR (see picture below) with provided optical cleaning pads and lens paper following the instructions below. Cleaning is to be done as close to deployment as comfortable without rushing. All sensors are very delicate and only need a light wipe to remove any surface dirt that has settled on them. If sensors are too difficult to reach in the box, skip cleaning. Cleaning is not required, but will improve the first few profiles. If in doubt about these instructions, please skip the cleaning!*

Note: **DO NOT CLEAN THE OXYGEN OPTODE SENSOR! (It should not be accessible through the ports on the box.)**

#### **Directions:**

1. Wash your hands with soap and water to remove oils & grease. Have a squirt bottle with deionized water (as freshly dispensed as possible) and the lens paper and the pre-moistened lens cleaning wipes (or alcohol to moisten paper) readily available. Do 1 instrument at a time and do not reuse the pre-moistened cleaning wipes or lens paper. Once open, the pre-moistened lens cleaning wipes dry out fairly quickly so open just before use.
2. Remove plastic wrapping. Do not remove cardboard box.
3. Rinse lenses by squirting each sensor (OCR, ECO, SUNA) with deionized water (DIW) **being careful not to get the water dissolving tape wet (see picture below)**. Note, the SUNA lenses are located inside the slot in the titanium tube; lower surface is an optical lens and upper surface is a mirror. Clean both surfaces.
4. Carefully clean each lens (OCR, ECO, SUNA) with pre-moistened pads by gently tap/dabbing the lens surface with the wipe. If necessary, wrap the moistened paper around the top of a Q-tip to reach sensors. Use a new lens cleaning wipe for each sensor.
5. Rinse by squirting with deionized water.
6. Tap/dab dry with the lens paper.

#### **Materials supplied with floats:**

Pre-Moistened Lens Cleaning Wipes packets (3 per float plus extras)  
Squirt bottle. Fill with best quality deionized water possible.  
Lens cleaning wipes ('lens paper')  
Q-tips

Materials you supply yourself:

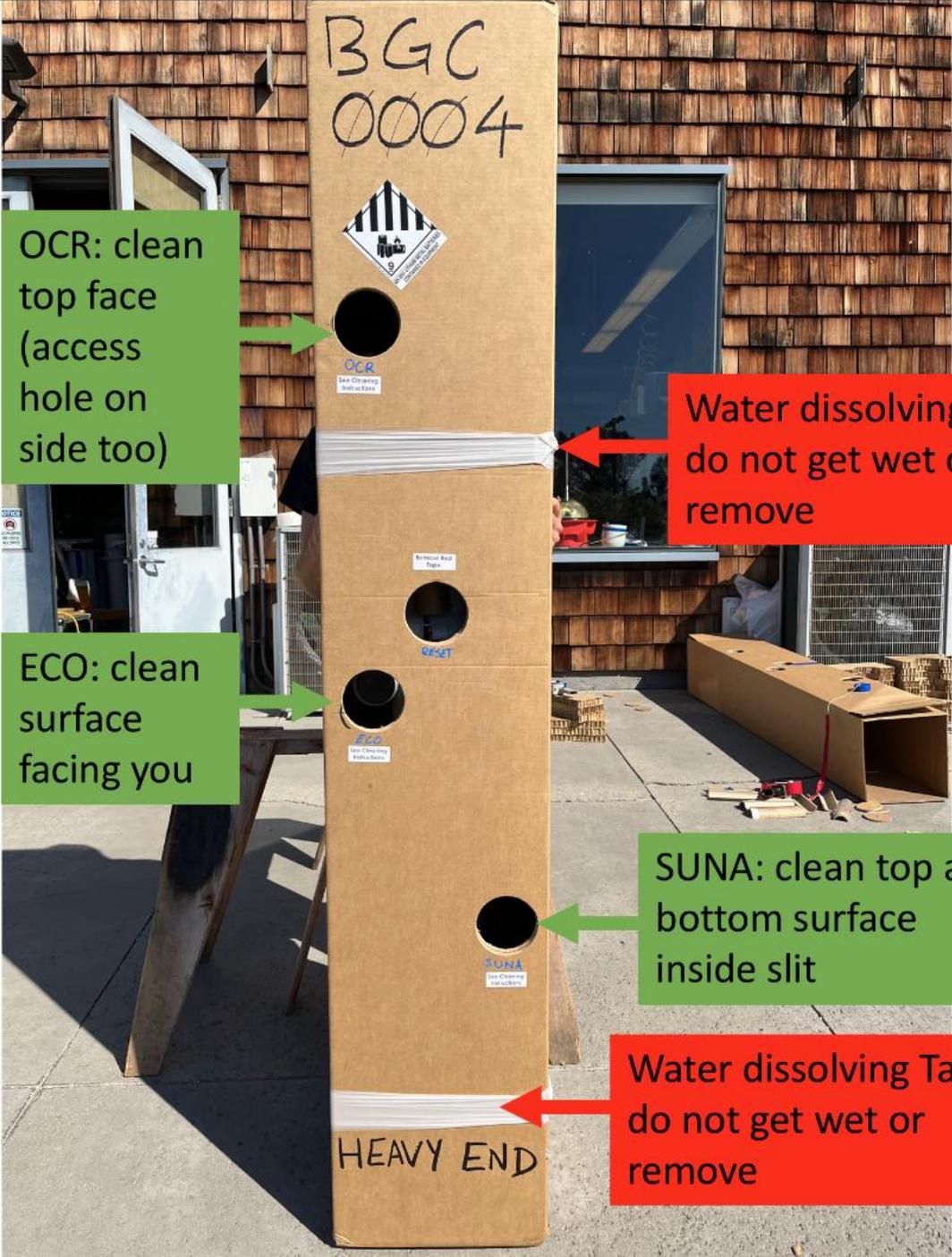
Deionized water

[Definitions]:

SUNA is the optical nitrate sensor

ECO is the optical fluorometer

OCR is the optical irradiance sensor]



OCR: clean top face (access hole on side too)

ECO: clean surface facing you

Water dissolving Tape- do not get wet or remove

SUNA: clean top and bottom surface inside slit

Water dissolving Tape- do not get wet or remove

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OCR  
See Cleaning Protocol Here

Remove Red Tape



ECO  
See Cleaning Protocol Here



SUNA  
See Cleaning Protocol Here

HEAVY END