



## Daily cruise report (11 February 2020)

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### 1. Objective

*We started the last survey of the deep and “pizza” NBC Ring2s. We are alternating uCTD and CTD every 6 NM. Radiosondes have been launched every 4 hours.*

*Our glider just sent a distress message reporting that it has lost its ballast and it is now freely drifting at the surface. It has worked really hard and it has realized amazing measurements (see figures) capturing both, the “pizza” and the deep Ring2s. We will recover it in route tomorrow night.*

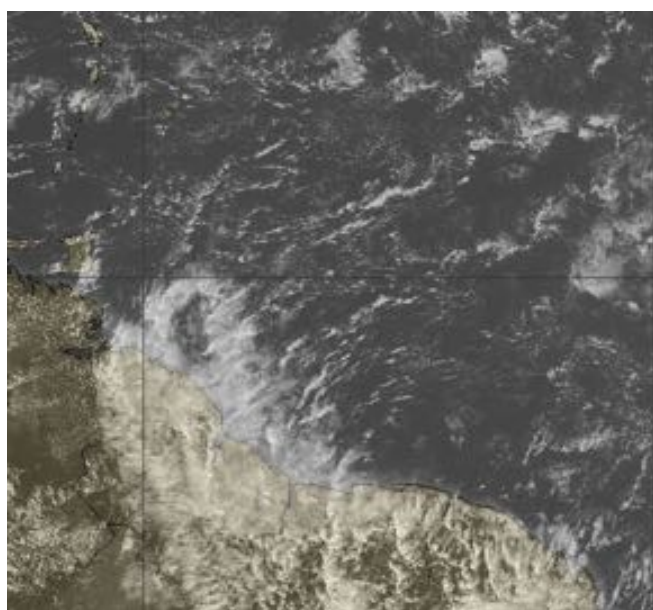
### 2. Synoptic Situation

*Moderate trade winds, becoming wetter.*

*Mostly cloudy today with some showers on the morning.*

*East-northeasterly wind 15-20kt. The waves are about 6 feet with a northeasterly swell.*

*Mesoscale cloud patterns (18utc): difficult to determinate with the high clouds over our area.*



Time (local)	Coverage	Types	remarks
0800	0/8 High	-	
	3/8 Mid	Ac	
	6/8 Low	Cu-Sc, Cb	Showers on the area
1200	0/8 High	-	
	7/8 Mid	Ac	
	5/8 Low	Cu-Sc, TCU	
1600	6/8 High	Ci	
	4/8 Mid	Ac	
	6/8 Low	Cu-Sc	

**Inter-calibration:** None.

**Autonomous systems deployed:** None

**Overflights:** No overflights. We are too far south.

**3. Stations**

Date	Approx Local Time	Operation	Lat	Lon	NM
<b>Revisiting the deep &amp; surface Ring2 and cyclones</b>					
From 11/02 5:00 to 13/02 5:00	From 06:00 + (24h of transit + 21h operations CTD & VMP 10 search of Kraken)	From WP7 (9°18'N 58°48'W) to WP8 (11°25.41'N 57°2.87'W) 6 NM VMP+CTD to 1000 m stations & 6 NM uCTD & 6 NM VMP+CTD to 1000 m stations & 6 NM uCTD 9 kts during transit, 6 kts during uCTD	11°25.41'N	57°2.87' W	163

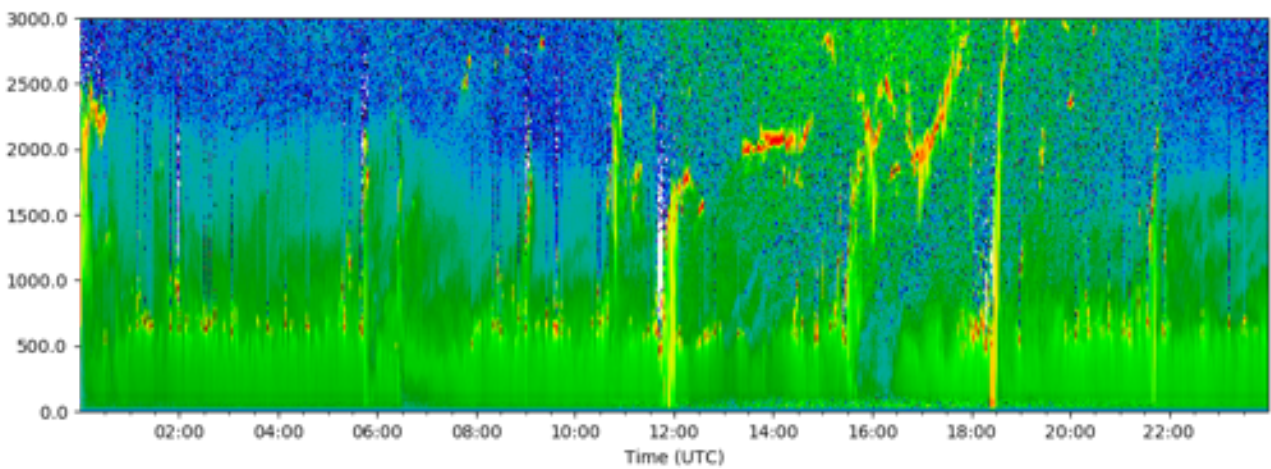
**4. Instrument Status**

*All instruments seem to work well except the glider which has lost its ballast. Today Vaisala radiosounding reception was stable.*

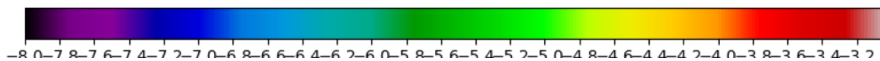
**5. Outlook**

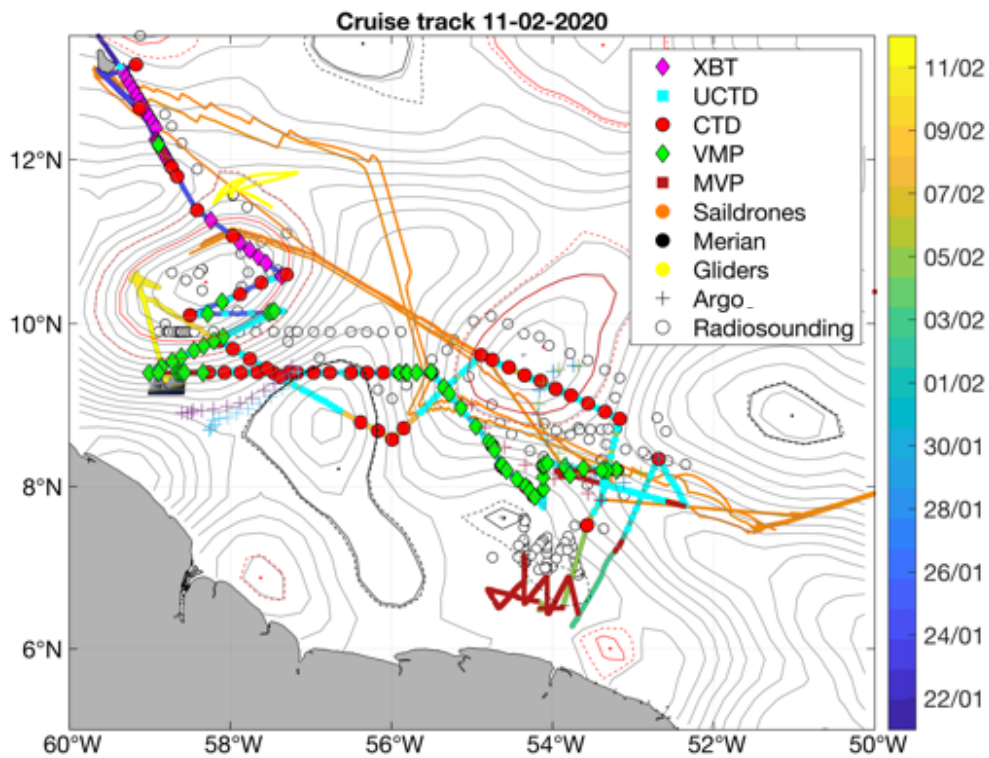
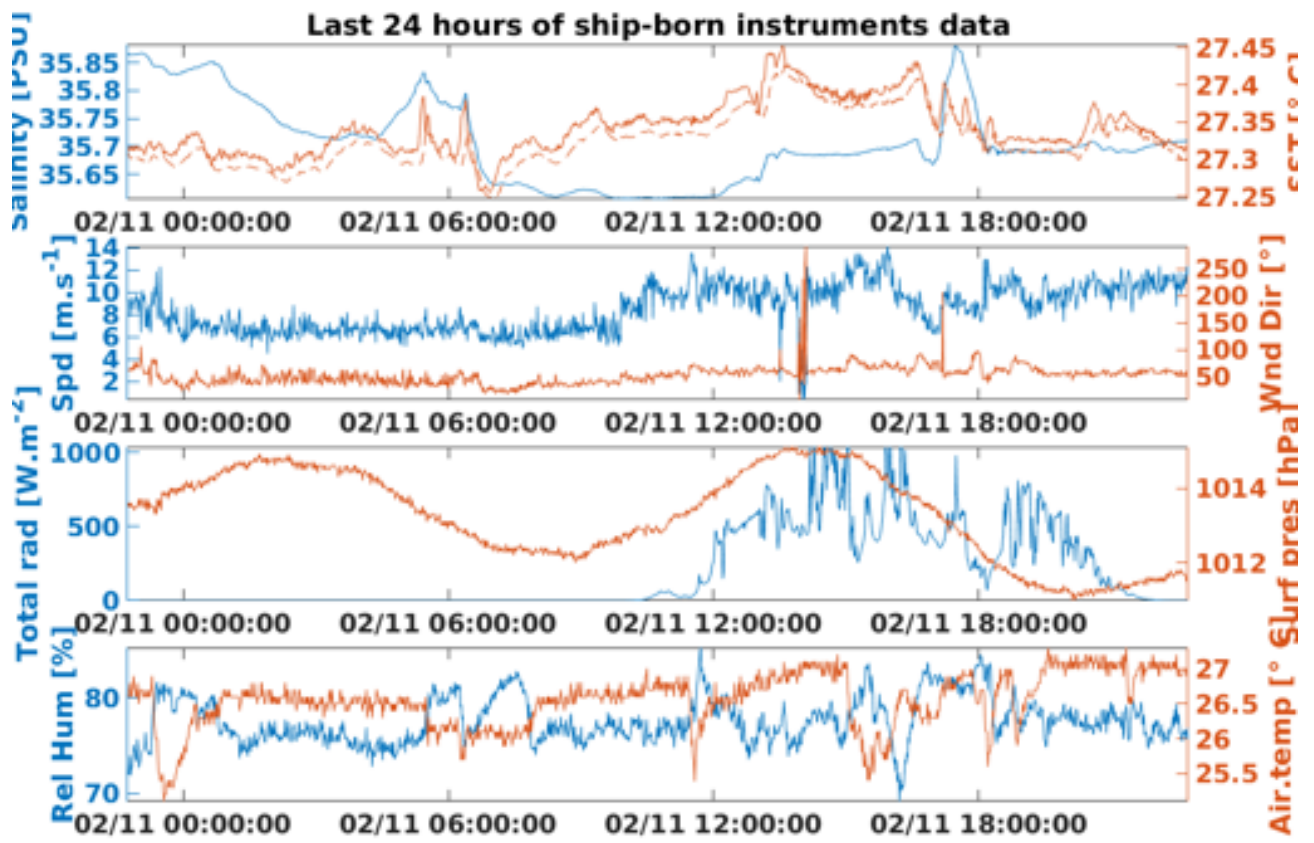
*We will continue to sail according to our workplan..*

**6. Figures**



Celiometer R/V Atalante 11 February 2020





SeaExplorer Glider Kraken "EUREC4A-OA" mission

