



## Daily cruise report (16 February 2020)

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### 1. Objective

*We have completed the sampling of the submesoscale filament. We have recovered and redeployed without the Surpact sensors the last French drifter. Radiosounding have been stopped. We headed to BCO where we stayed in station from 10 pm to 01 am LT.*

### 2. Synoptic Situation

*Moderate trade winds.*

*Quite cloudy today but altocumulus are less numerous and the sun shine sometimes.*

*East-northeasterly wind 15-20kt. The waves are about 5-6 feet with a northeasterly swell.*

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

*Sargassum appears very frequently as structured lines and patches.*

Time (local)	Coverage	Types	remarks
0800	4/8 High	Ci	
	7/8 Mid	Ac	Mamma
	2/8 Low	Cu	
1200	-/8 High	-	
	7/8 Mid	Ac	
	2/8 Low	Cu	
1600	2/8 High	Ci	
	5/8 Mid	Ac	
	1/8 Low	Cu	

**Inter-calibration:** PICARRO on board with PICARRO at BCO.

**Autonomous systems deployed:** 1 French drifter recovered and redeployed without the Surpact sensors.

**Overflights:** RAS

### 3. Stations

Date	Approx Local Time	Operation	Lat	Lon	NM	Comm
16/02	From 2:00 + 14h	From <b>WP5 (12°36'N 57°48'W)</b> to <b>WP6 (12°36'N 59°12'W)</b>  <b>MVP 6 kts</b>	<b>12°36'N</b>	<b>59°12'W</b>	89	
Recovery and redeployment of one French drifter						
16/02	From 16:00 + 6h	<b>upwind of BCO (13°9.2730'N, 59°25.2610'W)</b>  <b>Transit, full speed</b>	<b>13°9.2730' N</b>	<b>59°25.2610'W</b>	40	<b>BCO: Barbados Cloud Observatory</b>
16/02	From 22:00 + 4h	<b>@ BCO (13°9.2730'N, 59°25.2610'W)</b>  <b>In station for 4 or more hours</b>	<b>13°9.2730' N</b>	<b>59°25.2610'W</b>		<b>BCO: Barbados Cloud Observatory</b>

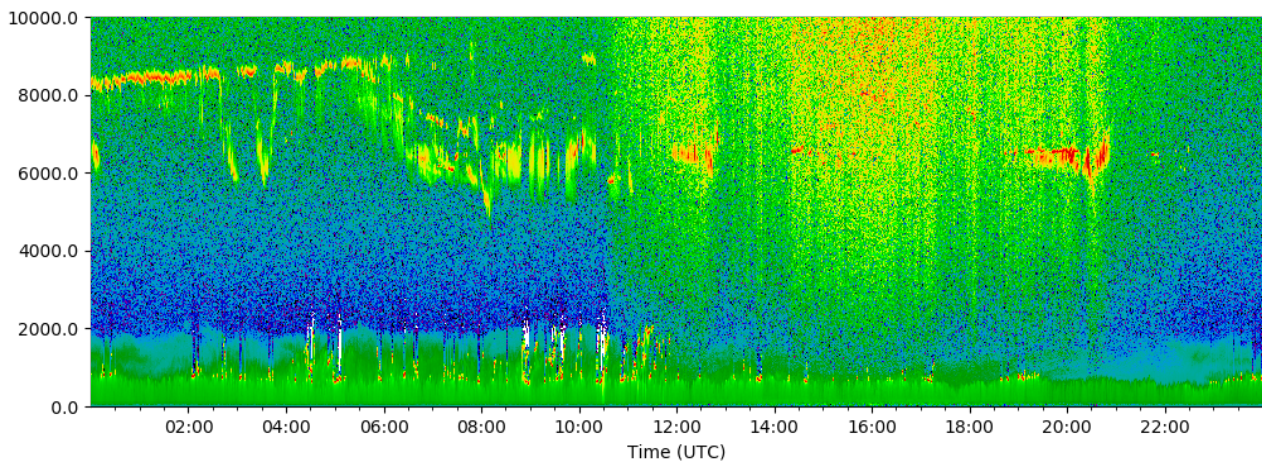
### 4. Instrument Status

*With the exception of the rosette/CTD winch all other instruments seem to work well.*

### 5. Outlook

*We will deploy once more OCARINA & PICCOLO in Barbados waters and then we will head to Guadeloupe.*

### 6. Figures



Celiometer R/V Atalante 16 February 2020

