



Daily cruise report (03 February 2020)

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1. Objective

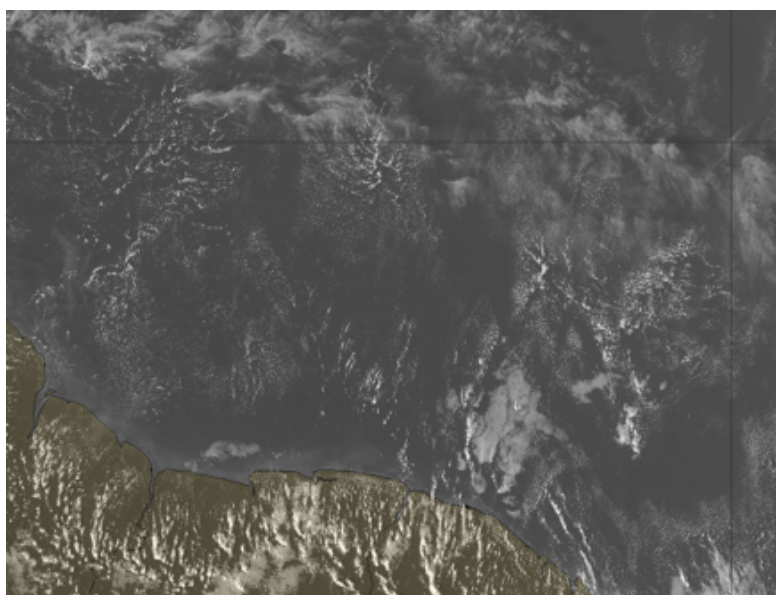
Today we deployed the OCARINA and PICCOLO automated platforms and completed the multiple frontal crossing on the Suriname shelf. We were sailing in parallel to the Maria S Merian, initially separated by 0.5 NM, and, for the last leg, 5 NM. During this transect we launched radiosondes every 45 min while the Maria S Merian was sampling the atmospheric with its lidars and radar. At 2 pm the two ships splat for their own successive destination. Before dusk we rejoined OCARINA and PICCOLO and successfully recovered them.

2. Synoptic Situation

Dry trade winds.

Easterly wind 10-15kt. The waves are about 2-3 feet.

Mesoscale cloud patterns (20utc): sugar.



Time (local)	Coverage	Types	remarks
0800	0/8 High	-	
	0/8 Mid	-	
	2/8 Low	Cu	
1200	2/8 High	Ci	
	4/8 Mid	Ac	
	3/8 Low	Cu	
1600	0/8 High	-	
	0/8 Mid	-	
	4/8 Low	Cu, TCU	

Inter-calibration: No intercalibration today.

Stations:

Date	Approx Local Time	Operation	Lat	Lon	NM	Operations
03/02	4 h if 8 kts	From WP3: 6°24'N 54°04'W go northward to WP4: 6°54' 54°04'W	6°54'N	54°04'W	30	MVP, 8 kts
03/02	05:00	OCARINA & PICCOLO deployment				
03/02	4 h if 8 kts	From WP4: 6°54' 54°04'W go southwestward to WP5: 6°32'N 54°22'W	6°32'N	54°22'W	30	MVP, 8 kts
03/02	5h15' hrs if 10 kts	From WP8: 6°32'N 54°22'W go northward to WP9: 7°06' 54°22'W	7°06'N	54°22'W	41	MVP, 8 kts
Departure of the Maria S. Merian.						
03/02	14:15	From WP9: 7°11' 54°22'W to WP10: OCARINA & PICCOLO actual positions	6°49.952' N	54°16.569' W		MVP, 9 kts
03/02	17:00	OCARINA & PICCOLO recovery				
03/02	19:00	From WP10: OCARINA & PICCOLO actual positions to WP11: 6°30'N 54°40'W	6°30'N	54°40'W		MVP, 9 kts
03/02	21:30	From WP11: 6°30'N 54°40'W to WP12: French drifters position			62NM	MVP, 9 kts, 10 kts if needed
04/02	5:00	Hunting & fishing the 4 French Drifters Positions @3 Feb 2020, 7:00 pm UTC: 1. 6.4545278 -53.9672194 2. 6.462 -53.972 3. 6.465 -53.975 4. 6.4154, -53.8932				
03/02	4 h if 8 kts	From WP4: 6°54' 54°04'W go southwestward to WP5: 6°32'N 54°22'W	6°32'N	54°22'W	30	MVP, 8 kts
03/02	5h15' hrs if 10 kts	From WP8: 6°32'N 54°22'W go northward to WP9: 7°06' 54°22'W	7°06'N	54°22'W	41	MVP, 8 kts

Autonomous systems deployed: None

Overflights: No overflights. We are too far south.

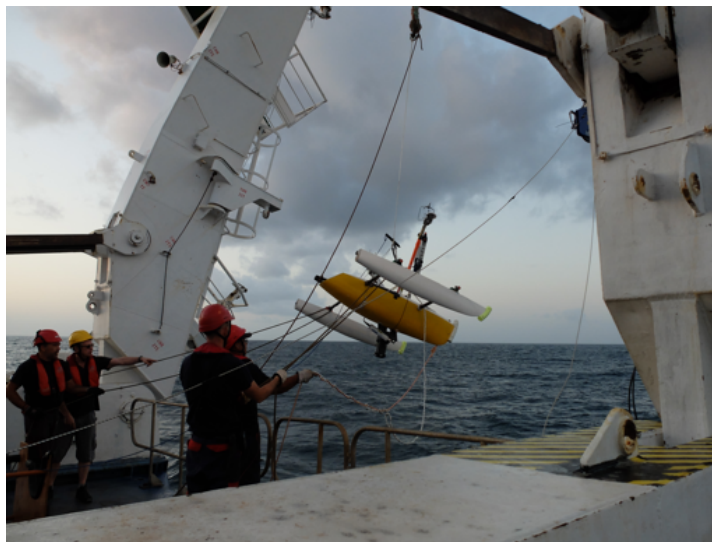
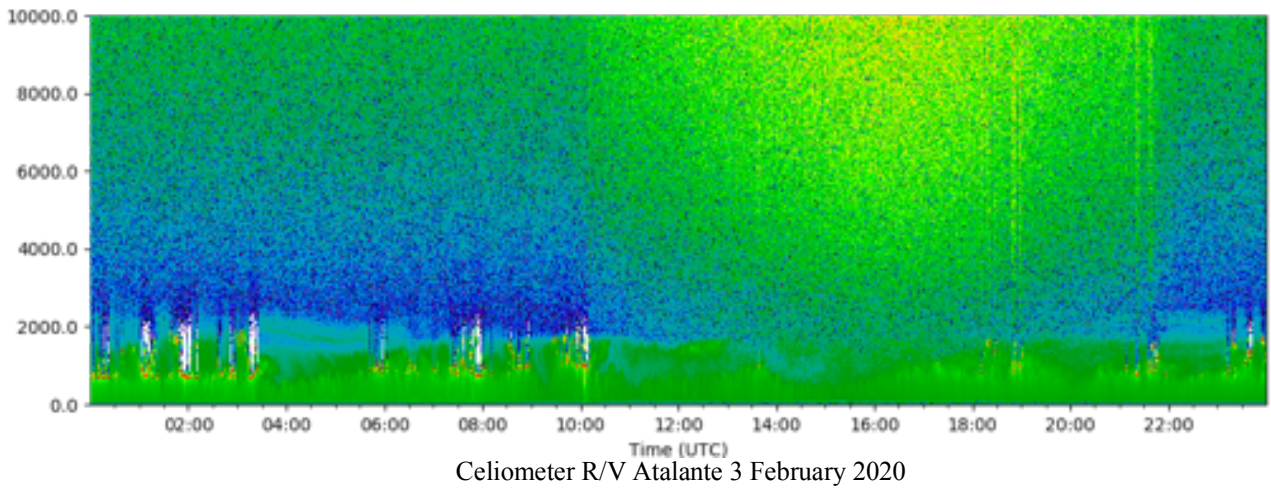
4. Instrument Status

All instruments seem to work well. Today Vaisala radiosounding reception was more stable.

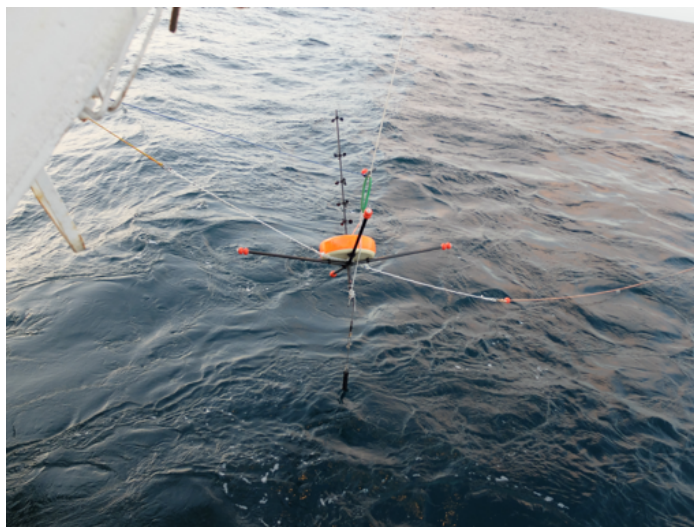
5. Outlook

After recovering (hopefully) all 4 French drifters we will head back to the Ring3 to complete its survey and perhaps meet with the 3 NASA saildrones..

6. Figures



Deployment of OCARINA



Deployment of PICCOLO

