

Meteor 0301 (2020)

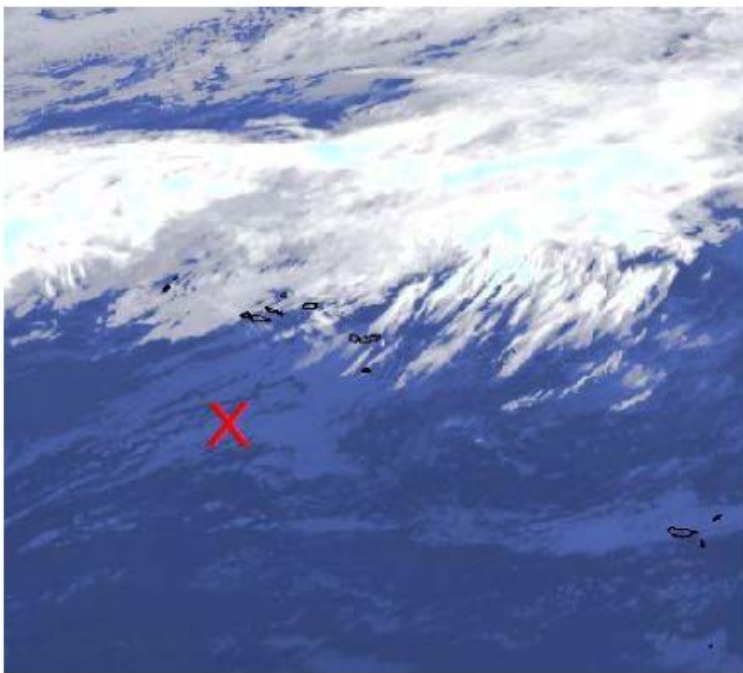
Stefan Kinne (2 Mar 10am)

1. Objective

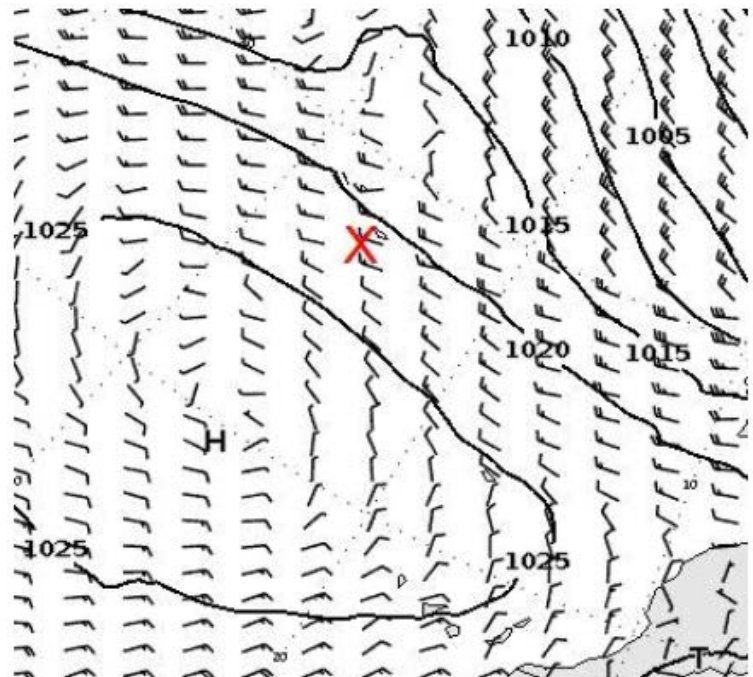
The final two CTDs and two radiosondes launches at 10.35 and 22.35UTC. Otherwise packing of instruments.

Another sunny day, though extended stratocumulus fields in the morning and after lunch (when there was also cirrus)
Higher aerosol optical depths than yesterday (AOD,550nm near and jts 0.10).

2. Synoptic Situation



Satellitenbild 01.03.2020 10:00 UTC



Vorhersage für Montag 00 UTC

Weather observations (every 3hr)

20	03	01001	99358	70301	16///	/2306	10181	20134	40247	58005	7/////	8/////	22212	04188
2	///	3	///	4	///	5	///	6	///	ICE	///	///	///	///
20	03	01031	99360	70296	46///	/2308	10179	20141	40234	56013	7/////	8/////	22212	04187
2	///	3	///	4	///	5	///	6	///	ICE	///	///	///	///
20	03	01061	99361	70292	16///	/2411	10199	20156	40222	56012	7/////	8/////	22212	04187
2	///	3	///	4	///	5	///	6	///	ICE	///	///	///	///
20	03	01091	99363	70290	41598	72712	10182	20138	40225	51003	70322	878//	22211	04186
20503	331//	40902	5	///	6	///	ICE	///	///	///	///	///	///	///
20	03	01121	99365	70284	11598	12710	10180	20125	40226	53001	70111	81800	22213	04186
20402	331//	41104	5	///	6	///	ICE	///	///	///	///	///	///	///
20	03	01151	99368	70278	41598	12714	10180	20129	40219	58007	70111	81800	22213	04186
20402	330//	41105	5	///	6	///	ICE	///	///	///	///	///	///	///

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20 03 01181 99370 70274 11498 12611 10181 20145 40212 58007 70281 81801 22212 04186
20402 330// 41005 5//// 6//// ICE ////
20 03 01211 99371 70270 41498 32609 10178 20148 40215 50003 70300 83201 22212 04182
2//// 3//// 4//// 5//// 6//// ICE ////

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Clouds the entire morning and fro two hours after lunch, otherwise lots of clear-skies.

3. Cruise-day Elements

hourly means of ship data (1st line 0-1 UTC, 2nd line 1-2 UTC ... last line 23-24 UTC)

salinity	Tdew	Tair	Twater	TrueDir	RH	rel.Wind	trueWind	lw Rad	sw Rad	lat	lon
PSU	°C	°C	°C	deg	%	m/s	m/s	W/m ²	W/m ²	°N	°E
36.32	13.76	18.13	18.82	227.68	75.15	2.6	6.41	340.15	-0.93	35.82	-29.98
36.3162	14.22	18.77	18.8	233.73	74.43	3.28	7.18	390.67	-0.63	35.88	-29.84
36.3169	14.27	17.87	18.84	227.7	78.87	4.48	8.16	348.27	-0.82	35.94	-29.71
36.3513	14.6	17.84	18.89	226.13	80.85	5.12	8.67	323.83	-1	36	-29.57
36.3886	14.62	18.68	18.93	237.27	76.87	6.31	10.11	333.97	-1	36.06	-29.44
36.3784	15.2	19.99	18.84	242.18	73.45	6.63	10.49	366.02	-0.8	36.12	-29.31
36.3539	15.27	19.64	18.76	246.85	75.58	7.26	10.96	385.07	-0.18	36.18	-29.17
36.3336	14.53	18.2	18.59	257.65	78.68	8.79	11.98	358.05	-0.68	36.23	-29.04
36.3386	13.69	18.28	18.57	261.57	74.1	11.9	11.96	370.95	8.42	36.26	-28.99
36.3345	13.96	18.27	18.55	264.57	75.47	7.1	10.99	372.82	89.28	36.3	-28.89
36.3358	13.53	17.93	18.61	271.36	74.97	5.84	9.98	388.93	133.07	36.38	-28.7
36.3641	12.83	17.97	18.63	266.93	71.45	5.67	10.19	333.87	535.98	36.47	-28.5
36.3845	12.5	18.04	18.8	272.55	69.58	7.39	11.59	354.45	614.2	36.57	-28.29
36.372	12.54	18.02	18.63	264.32	69.75	7.54	12.48	339.17	708.58	36.66	-28.08
36.3469	12.8	18.01	18.54	268.9	71.15	8.29	13.01	348.65	704.53	36.75	-27.87
36.356	12.99	18.02	18.63	271.07	72	8.56	12.97	365.32	477.53	36.84	-27.67
36.3301	13.64	18.08	18.52	274.22	74.88	8.13	12.45	346.9	454.65	36.93	-27.46
36.334	14.07	18.12	18.51	266.7	76.67	11.79	11.38	330.1	376.9	36.98	-27.35
36.3421	14.4	18.04	18.6	269.1	78.88	8.47	10.98	327.27	185.27	37	-27.3
36.3109	14.64	17.91	18.35	268.17	80.78	7.64	10.63	330.22	26.25	37.06	-27.17
36.2941	14.78	17.87	18.27	267.98	81.67	6.5	9.55	358.47	-0.77	37.12	-27.03
36.2868	15.05	17.81	18.15	256.8	83.42	5.65	9.15	328.13	-1	37.18	-26.89
36.3264	15.41	18.04	18.29	258.33	84.1	5.76	9.31	331.57	-1	37.24	-26.76
36.3441	15.49	17.7	18.27	261.12	86.56	6.83	10.38	381.8	-0.42	37.3	-26.62

inter-calibration: none
CTD stations: 2
radiosondes: 2
overflights: none

station no.	date / time UTC	device	action	latitude [°N]	longitude [°W]
M161 265	1 mar 2020 / 08:03-08:33	CTD	1000m	36°15.468 N	28°59.296' W
M161 266	1 mar 2020 / 17:05-17:47	CTD	1000m	36°58.684 N	27°21.003' W

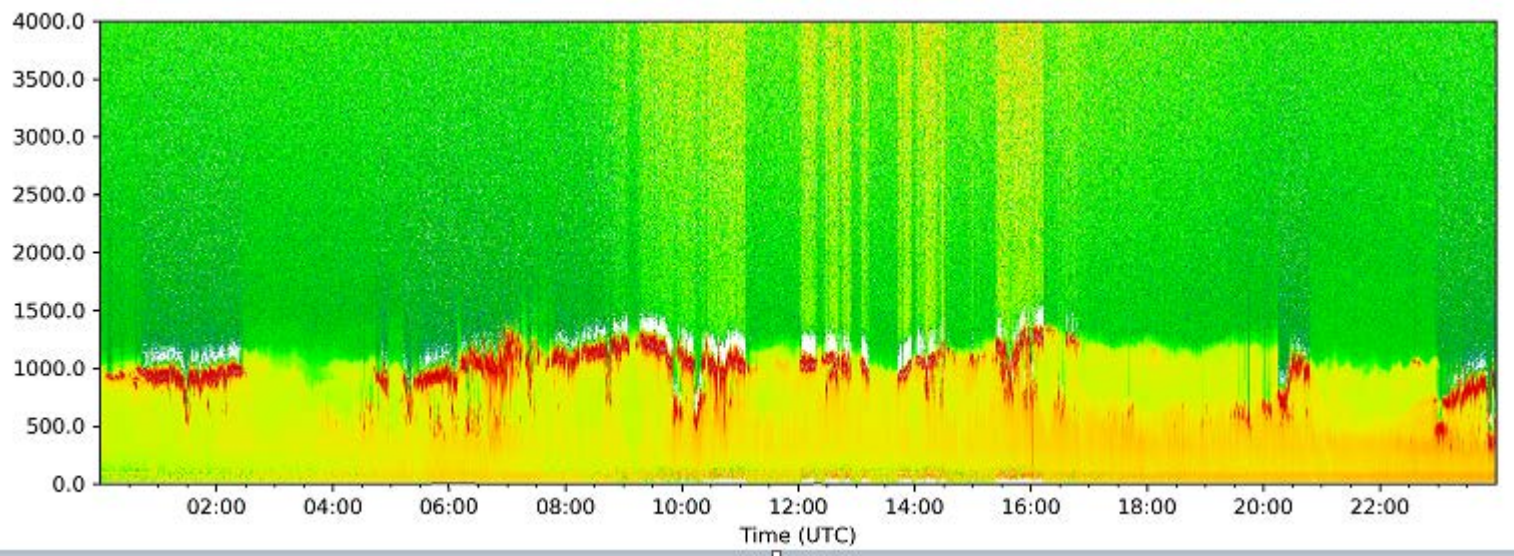
4. Instrument Status

Instrument-Status (**W**-working, **P**-partially-working, **F**-failure, **U**-untested, **R**-ready, **L**-lost, **S**-stopped)

			status	operators
radiosondes			W	Katharina, Imke, Yanmichel, Almuth, Kevin, Sebastian, Geiske
cloud-radar			S	Heike, Johannes
micro-radiometer			S	Heike, Johannes
spect-radiometer			S	Heike, Johannes
Raman-lidar			S	Ludwig
spare cloud-kite			S	Oliver, Marcel, Marcel, Antonio, Robert, Sanola
Picarro			S	Sebastian
micro-biology			S	Wiebke, Jan, Abiel
ADPC ocean curr.			W	Callum, Beth
thermosalinograph			W	Callum, Beth
glider			S	Callum, Beth
UAV			S	Darek, Jakub, Michal, Wojciech
eddy-flux-data			W/S	Katharina, Imke, Heike
wind-lidar (DTU)			W	Geiske, Kevin
wind-lidar (Bre)			W	Geiske, Kevin
MAX-DOAS			S	Alma
ceilometer			W	Stefan
cloud camera			W	Stefan
sunphotometer			W	Stefan, Przemek, Andreas, John, Sanola
aero scat/abs			S	Przemek (Mr P)
WRAS (aero size)			W	Alma
CTD			W	Darek, Przemek, Beth, Callum, Alma, Sanola, Kevin, Robert, Wojtek, Almuth
Rodney			S	Darek, Jakub, Przemek

5. Outlook

Tomorrow packing on board / cleaning the labs, waiting outside of the Ponta Delgada port.



METEOR ceilometer data on Mar 01