

TN transit CTD Cast Sheet

Station Number: STN 02

Start date, time (UTC): 1515

CTD cast number: 01

End date, time (UTC):

Initials: EC

[illegible]

No Sargassum
in sight / sample
range

Station Number: STN03

Initials: SB

End date, time (UTC):

[illegible]

TN transit CTD Cast Sheet

Station Number: CTD03-STN04
Start date, time (UTC): 18.20

CTD cast number: 3
End date, time (UTC):

Initials: SB, EC

[illegible]

rate log

Date: 8/27 Cast: 01 Station: 02

Niskin #	Depth	Volume of filtrate (mL)	Total volume (mL)
N17	sfc	530, 900, 720, 870, 210, 170, 600	4,000
N16	10	960, 880, 980, 945, 970, 130, 255	5,120
N15	20	865, 850, 850, 880, 925, 310	4,680
N14	30	945, 910, 945, 100, 830, 960, 205	4,895
N13	40	720, 750, 700, 740, 720, 620, 960	5,210
N12	60	870, 755, 910, 910, 835, 950	5,230
N11	80	940, 960, 830, 960, 935, 890	5,515
N10	100	980, 940, 1000, 820, 845, 825	5,410

Date: 8/28 Cast: 02 Station: 03

Niskin #	Depth	Volume of filtrate (mL)	Total volume (mL)
N17	sfc	875, 960, 970, 320, 660, 880, 790	5,455
N16	10	955, 900, 865, 985, 405, 530, 960	5,600
N15	20	935, 995, 985, 970, 685, 435, 850	5,855
N14	30	1015, 960, 965, 960, 455, 565, 900	5,820
N13	40	940, 960, 960, 980, 825, 390	5,055
N12	60	960, 955, 960, 860, 980, 955	5,670
N11	80	965, 940, 800, 1000, 720, 890	5,315
N10	100	930, 930, 1010, 890, 950, 920	5,630

Date: 8/28 Cast: 03 Station: 04

Niskin #	Depth	Volume of filtrate (mL)	Total volume (mL)
N17	sfc	930, 990, 1000, 420, 525, 920, 740	5,525
N16	10	950, 1020, 980, 340, 610, 995, 710	5,605
N15	20	935, 985, 960, 420, 535, 920, 685	5,440
N14	30	960, 980, 890, 290, 695, 935, 675	5,425
N13	40	960, 990, 930, 1000, 1000, 170	5,050
N12	60	1000, 990, 1000, 1000, 925, 110	5,095
N11	80	990, 1000, 1000, 1000, 985, 185	5,160
N10	100	990, 990, 1000, 1000, 980, 220	5,180

Ap CAST 1, STN 02

Vol. (mL)

	Total (mL)
✓ C1 N17 - 940 , 530, 900, 720, 870, 210, 170, 600 → filter issues	N17: 4,000
✓ C1 N16 - 960, 880, 980, 945, 970, <u>130</u> , 255	N16: 5,120
✓ C1 N15 - 865, 850, 850, 880, 925, 310	N15: 4,680
✓ C1 N14 - 945, 910, 945, 100, 830, 960, 205, 120 —	N14: 4,895
C1 N13 - 720, 750, 700, 740, 720, 620, 960	N13: 5,210 mL
(720) C1 N12 - 870, 755, 910, 910, 835, 950	N12: 5,170 mL 230
(375) C1 N11 - 940, 960, 830, 960, 935, 890	N11: 5,515 mL
C1 N10 - 930, 940, 1,000, 820, 845, 825	N10: 5,410 mL

60
2

Ap filtration log CTD 02 STN 03 (Vol. mL)

N 17 : 875, 960, 970, (320 + 660), 880, 790
N 16 : 955, 900, 865, 985, (405 + 530), 960
N 15 : 935, 995, 985, 970, (685 + 435), 850
N 14 : 1015, 960, 965, 960, (455 + 565), 900
N 13 : 940, 960, 960, 980, 825, 390
N 12 : 960, 955, 960, 860, 980, 955
N 10 : 965, 940, 800, 1000, 720, 890
N 10 : 930, 930, 1010, 890, 950, 920

TOTAL (mL)

N17: 5,455
N16: 5,600
N15: 5,855
N14: 5,920
N13: 5,055
N12: 5,670
N11: 5,315
N10: 5,630



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Ap filtration log C3 STNO4 (Vol. mL)

N 17: 930, 990, 1000, (420, 525), 920, 740

N 16: 950, 1020, 980, (340 + 610), 995, 710

N 15: 935, 985, 960, (420 + 535), 920, 685

N 14: 960, 980, 890, (290 + 695), 935, 675

N 13: 960, 990, 930, 1000, 1000, 170

N 12: 1000, 990, 1000, 1000, 995, 110

N 11: 990, 1000, 1000, 1000, 985, 185

N 10: 990, 990, 1000, 1000, 180, 220

Total (mL)

N17: 5,525

N16: 5,605

N15: 5,440

N14: 5,425

N13: 5,050

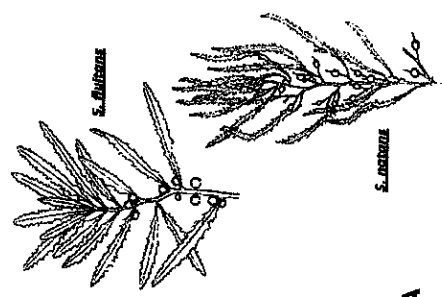
N12: 5,095

N11: 5,160

N10: 5,180

Date: 20190827
 Organization: RUTGT
 General Location: ~ 50° NM to NE of French Guiana
 Notes:

PLANTS		LOCATION		ENVIRONMENTALS			
ID	Sargassum species (See Figure A)	Color (Yellow or Brown)	Latitude (dd)	Longitude (dd)	Water Temp (C)	Wind Speed (m/s)	Wind Direction
1	<i>S. fluitans</i>	yellow	10° 0.557' N ↓	45° 26.760' W ↓	29.3 ↓	10 kts ↓	25.7 ↓
2	<i>S. natans</i>	yellow					
3							
4							
5							
6							
7							
8							
9							
10							



Looking at Figure A, *Sargassum fluitans* has blades that are short stalked, flat, and narrow (3-8 mm wide) with a prominent midrib. The margins are toothed, bases asymmetrical, and apices pointed. One or two air bladders (oval and spherical in shape lacking terminal spine) at the base of each blade.

Looking at Figure A, *Sargassum natans* has elongated (2-10 cm) and narrow (1-4 mm wide) blades with sharply toothed margins. Alternate branching air bladders are spherical and terminate with a spine, hooked spur, or leaf-like projection.

20190828

Date:

Organization:

RVTGT

General Location:

Notes:

PLANTS

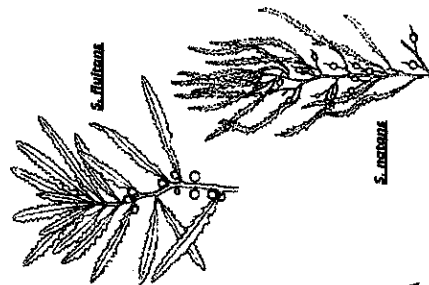
ID	Sargassum species (See Figure A)	Color (Yellow or Brown)
1	<i>S. fluitans</i>	yellow
2		
3		
4		
5		
6		
7		
8		
9		
10		

LOCATION

Latitude (dd)	Longitude (dd)
5.862279N	42.378853N

ENVIRONMENTALS

Water Temp (C)	Wind Speed (m/s)	Wind Direction
28.6	12 KTS	05.5



Looking at Figure A, *Sargassum fluitans* has blades that are short stalked, flat, and narrow (3-8 mm wide) with a prominent midrib. The margins are toothed, bases asymmetrical, and apices pointed. One or two air bladders (oval and spherical in shape lacking terminal spine) at the base of each blade.

Looking at Figure A, *Sargassum natans* has elongated (2-10 cm) and narrow (1-4 mm wide) blades with sharply toothed margins. Alternate branching air bladders are spherical and terminate with a spine, hooked spur, or leaf-like projection.

HARBOR BRANCH

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