

CRUISE REPORT - SED 2

13 - 20 april 2004

Programme EUROSTRATAFORM

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Station location are given in ED-50 system.

Tuesday 13 april :

Shipping of the material. Start at 14 H, nice weather with wind N-NE 80 km/h.

a) Mooring of TOSCA (SOC) and two currentmeters:

TOSCA	43°19,595 N	4° 52,122	10m
Couranto 1	43°19,597	4°52,436	15 m
Couranto 2	43°19,400	4°52,436	23 m

b) Sediment coring with USNEL

2004-BF04KB	43°19,102	4°52,105	26 m	IRSN-usnel
2004-BF09bis	43°18,929	4° 51,650	23 m	IRSN-usnel
2004-Chenal 20	43°18,848	4°51,207	22 m	IRSN-usnel

Back in port at 19h30.

Wednesday 14 april :

Start 7h, nice weather.

a) Sampling of 19 cores with the multitube corer on the mooring station of TOSCA (cores taken for the study of erosion rates)

multitube Grenz	43° 19,627	4°52,118	9m
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b) Sediment coring with USNEL or FLUCHAT (radionuclides or metal analyses)

2004-Hchenal 20	43°18,829	4°51,195	11m	IRSN-usnel
2004-Chenal 30	43°18,765	4°51,225		IRSN-usnel
2004-BF14KB	43°18,784	4°50,178	23 m	IRSN-usnel
2004-BF16KB	43°19,240	4°49,443	14 m	IRSN-usnel

2004-BF100	43°17,707	4°47,517	64m	CEREGE-fluchat
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2004-BF19	43°16,271	4°46,549	76 m	CEREGE-fluchat
2004-BF22	43°14,891	4°43,892	74 m	CEREGE-fluchat
2004-BF101	43°17,024	4°48,870	76 M	CEREGE-fluchat
2004-BF102	43°17,009	4°51,628	80 m	CEREGE-fluchat
2004-BF04	43°16,129	4°58,087	86 m	CEREGE-fluchat
2004-R4	43°20,098	4°57,174	47 m	CEREGE+CEFREM-fluchat

Back in port at 18h30

Thursday 15 april

Start at 7h00. Weak wind from east with small swell. Stronger wind the afternoon.

- a) Recovery of TOSCA and currentmeters. The tosca did not work.
- b)
- B) sediment coring:

2004-BF01bis	43°19,071	4°46,043	26m	IRSN-usnel
2004-BF01ter	43°16,00	4°40,083	58 m	IRSN-usnel
2004-BF02bis	43°13,149	4°45,905	90 m	IRSN-usnel
2004-BFRoustan	43°18,616	4°50,459	32 m	IRSN-usnel

During the afternoon, we tried to collect samples on two stations close by the rhone mouth (2004-CV1, 43°19,078, 4°51,873 and 2004-CV3, 43°19,057, 4°51,617) but the sediment corer could not penetrate the sediment (too hard).

Friday 16 april

Wind 7 to 8. Stay in port.

Saturday 17 april :

Travel to Port-vendres, from 8h00 to 18H.

Carl Amos and Patrick Friend said that there is a big trouble with the tosca (memory failure) and it cannot be used. The very bad weather of Friday induced a flood of the Tet river, and they preferred to take the currentmeters and tried to moore them directly from their small boat. They will be able to moore at shallower depths than us.

Sunday 18 april :

Start 8h

Sediment coring with usnel and fluchat

2004-T7	42°38,626	3°11,010	64m	CEFREM-fluchat
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2004-T8	42°39,637	3°13,315	81 m	CEREGE/CEFREM-fluchat
2004-T9	42°42,313	3°13,656	80 m	CEFREM-fluchat
2004-C8	42°41,367	3°10,783	59 M	CEREGE/CEFREM-fluchat
2004-C9	42°39,383	3°07,800	48 m	CEFREM-fluchat
2004-C6	42°41,217	3°06,900	48 m	CEREGE/CEFREM-fluchat
2004-C5	42°41,933	3°05,400	34 m	CEREGE+CEFREM-fluchat

The other cores were made with USNEI because the surface of the sediment is too hard (lots of sands) for the Fluchat corer

2004-T10 (buoy marel)	42°42,250	3°04,006	27 m	CEREGE/CEFREM -usnel
2004-BF35	42°42,927	3°03,887	26m	IRSN/CEFREM-usnel
2004-BF352	42°43,697	3°03,809	26 m	IRSN/CEFREM-usnel
2004-C3	42°42,950	3°06,467	39 m	CEFREM/CEREGE-usnel
2004-BF353	42°42,714	3°09,122	52 m	IRSN/CEFREM-usnel

Turbid waters were found near the coast associated to the flooding of the Tet river (surface salinity of 23) . They are however restricted to the surface (water below 1 m depth appears clear).

Back in port at 15H30.

Monday 19 april :

Travel to Port Saint-Louis 11h.

Tuesday 20 avril :

The vessel stays in port and we finish the work (cores sampling).