

Supplementary material

The following tables present the data used to prepare Figures 8, 10, 13 and 14.

Table 1 - Data used in the elaboration of figure 8

Longitudinal (X) direction	E10			E30			E40		
	V _X (cm/s) – 100 cm (right)	V _X (cm/s) - central	V _X (cm/s) - 100 cm (left)	V _X (cm/s) – 100 cm (right)	V _X (cm/s) - central	V _X (cm/s) - 100 cm (left)	V _X (cm/s) – 100 cm (right)	V _X (cm/s) - central	V _X (cm/s) - 100 cm (left)
50	-	1,43	-	0,15	5,07	0,15	0,34	6,09	0,34
150	0,32	1,04	0,61	1,25	3,03	1,40	1,99	4,13	1,70
250	0,62	0,58	0,75	2,00	2,12	2,21	2,87	2,64	2,56
350	0,74	0,47	1,06	2,23	1,48	2,55	3,16	1,98	2,72

Table 2 - Data used in the elaboration of figure 10

Longitudinal (X) direction	E10			E30			E40		
	V _Y (cm/s) – 100 cm (right)	V _Y (cm/s) - central	V _Y (cm/s) - 100 cm (left)	V _Y (cm/s) – 100 cm (right)	V _Y (cm/s) - central	V _Y (cm/s) - 100 cm (left)	V _Y (cm/s) – 100 cm (right)	V _Y (cm/s) - central	V _Y (cm/s) - 100 cm (left)
50	-	0,60	-	0,29	1,05	0,21	0,73	1,55	0,48
150	0,57	0,23	0,29	0,84	0,35	0,98	0,85	0,57	1,18
250	0,25	0,08	0,27	0,61	0,27	0,68	0,56	0,39	0,93
350	0,19	0,05	0,11	0,34	0,24	0,44	0,30	0,27	0,55

Table 3 - Data used in the elaboration of figure 13

	Longitudinal (X) direction	E10			E30			E40		
		d_m (μm) – 100 cm (right)	d_m (μm) - central	d_m (μm) - 100 cm (left)	d_m (μm) – 100 cm (right)	d_m (μm) - central	d_m (μm) - 100 cm (left)	d_m (μm) – 100 cm (right)	d_m (μm) - central	d_m (μm) - 100 cm (left)
Confined zone	0	-	71,42	-	-	43,76	-	-	50,34	-
	25	-	68,60	-	-	44,77	-	-	42,26	-
	50	-	68,01	-	-	79,75	-	-	65,53	-
	75	-	68,72	-	-	76,55	-	-	85,85	-
	100	-	64,43	-	-	78,07	-	-	82,91	-
	125	-	63,7	-	-	74,82	-	-	53,57	-
	150	-	58,22	-	-	73,21	-	-	77,53	-
Unconfined zone	162,5	-	56,33	-	32,81	77,06	33,67	39,75	78,95	43,87
	212,5	26,48	48,24	25,31	53,32	75,35	49,91	55,84	84,02	55,84
	262,5	28,13	37,61	26,49	56,33	65,50	53,02	60,09	68,41	58,21
	312,5	28,58	30,60	26,68	54,6	59,34	51,58	59,34	63,39	55,58
	362,5	27,32	29,78	27,13	49,91	54,93	50,11	55,12	59,85	54,55
	412,5	26,62	28,17	25,5	47,75	49,70	45,56	52,50	56,00	54,25
	462,5	24,64	25,81	24,44	44,33	46,69	45,21	50,07	50,98	48,01

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Turbidity currents generating lobes: flow rate influence on 3D-experiments without slope break

Machado Humberto Guimarães, Tulio M H; Koller, Débora Karine; Fedele, Juan Jose; Manica, Rafael.

Table 4 - Data used in the elaboration of figure 14

Transversal distance (cm)	Distance from confinement exit (cm)	d_m (μm) E10	d_m (μm) E30	d_m (μm) E40
-125	75	-	41,11	51,28
-75	75	27,02	57,45	62,20
-25	75	48,16	70,04	76,33
25	75	34,75	64,83	66,80
75	75	26,48	53,32	55,84
125	75	-	30,31	34,60
-125	175	25,08	48,41	55,16
-75	175	29,18	53,77	61,14
-25	175	30,84	59,62	64,30
25	175	30,20	59,51	62,56
75	175	28,58	54,60	59,34
125	175	26,16	45,17	49,57
-125	225	24,26	44,29	52,03
-75	225	26,71	48,32	54,91
-25	225	27,87	49,46	55,91
25	225	27,96	50,40	55,56
75	225	26,62	47,75	52,50
125	225	24,70	42,16	49,61