

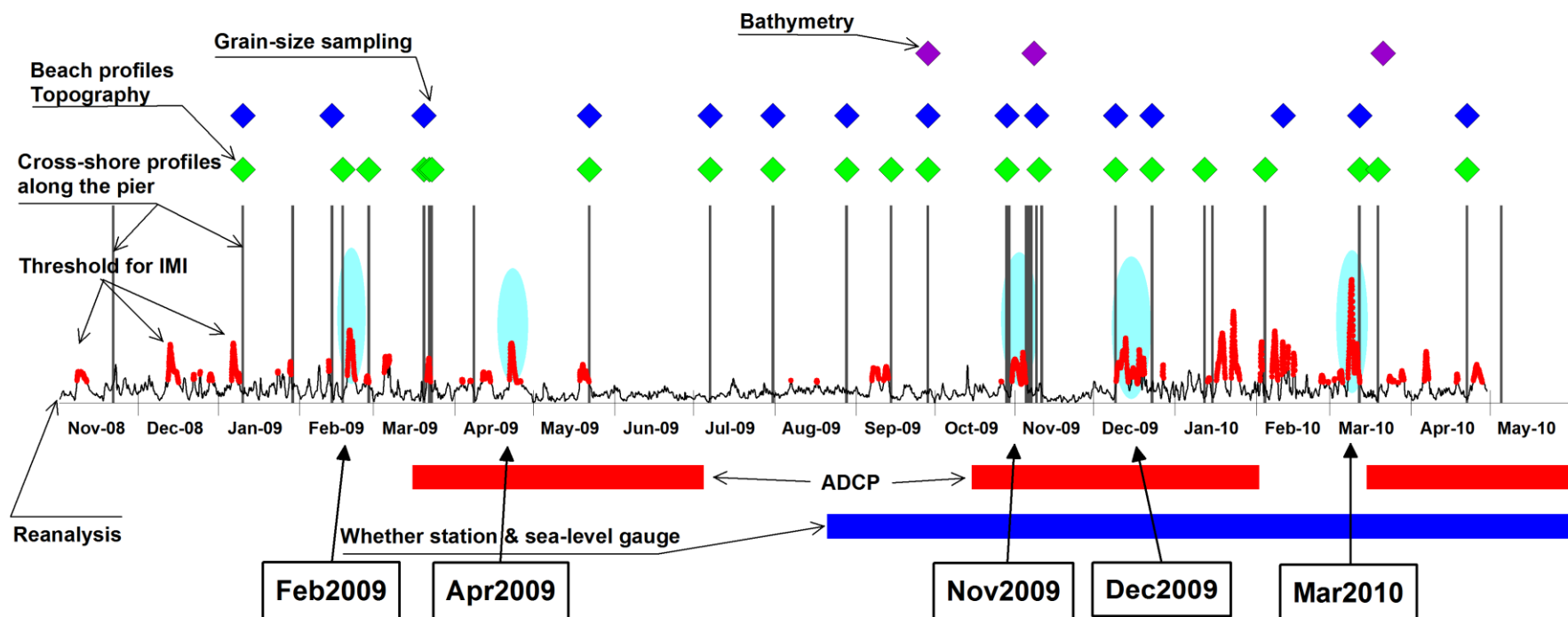


Моделни изследвания Калибровка на морфодинамичните модели с данни от измервания

Екатерина Трифонова, Петя Ефимова
Николай Вълчев, Наталия Андреева

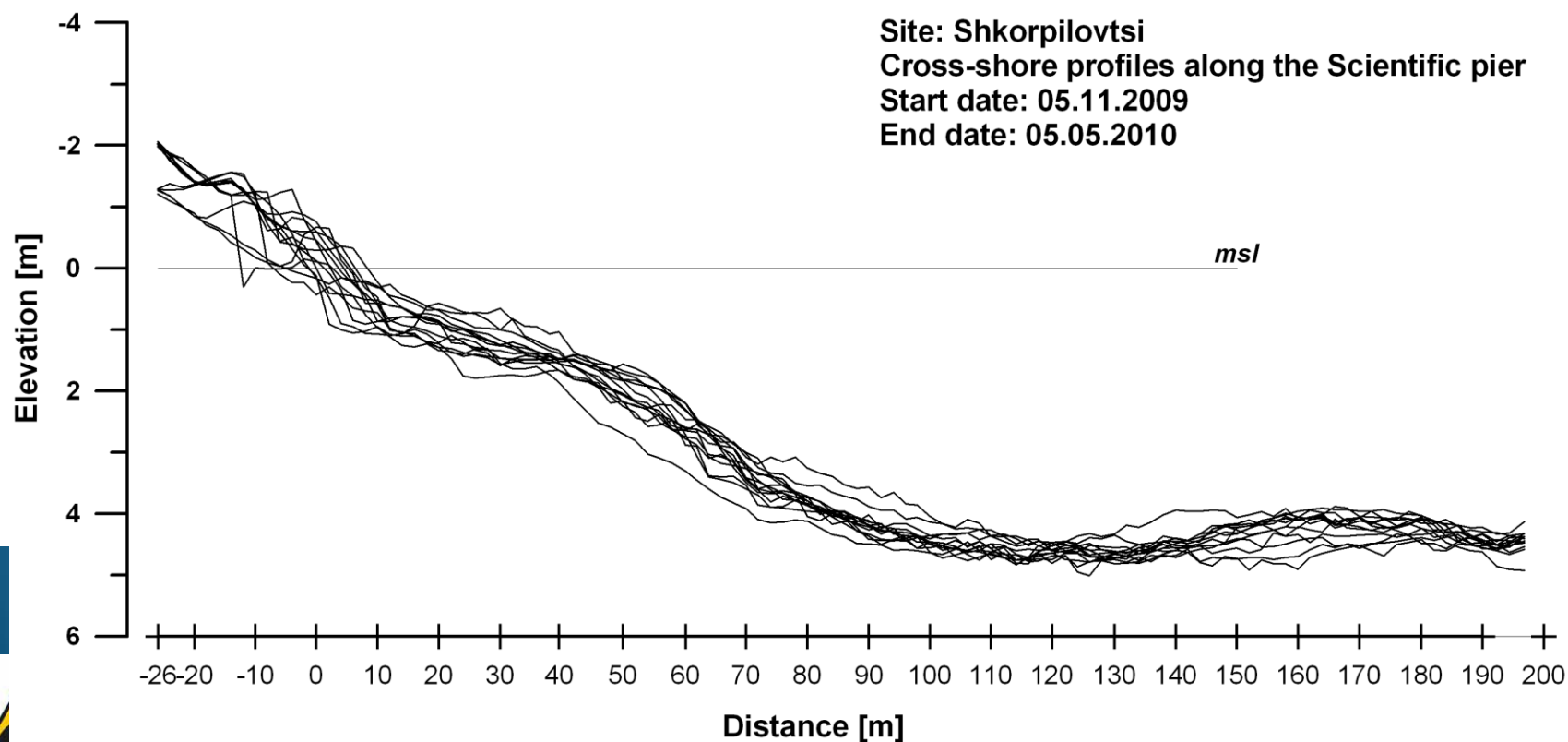


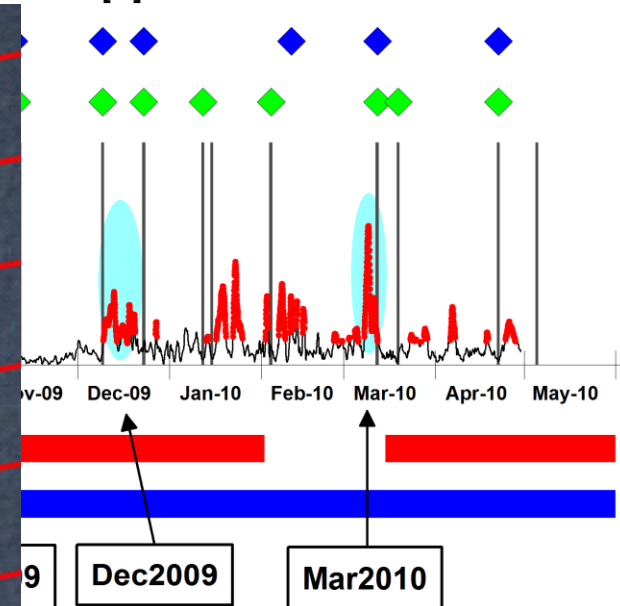
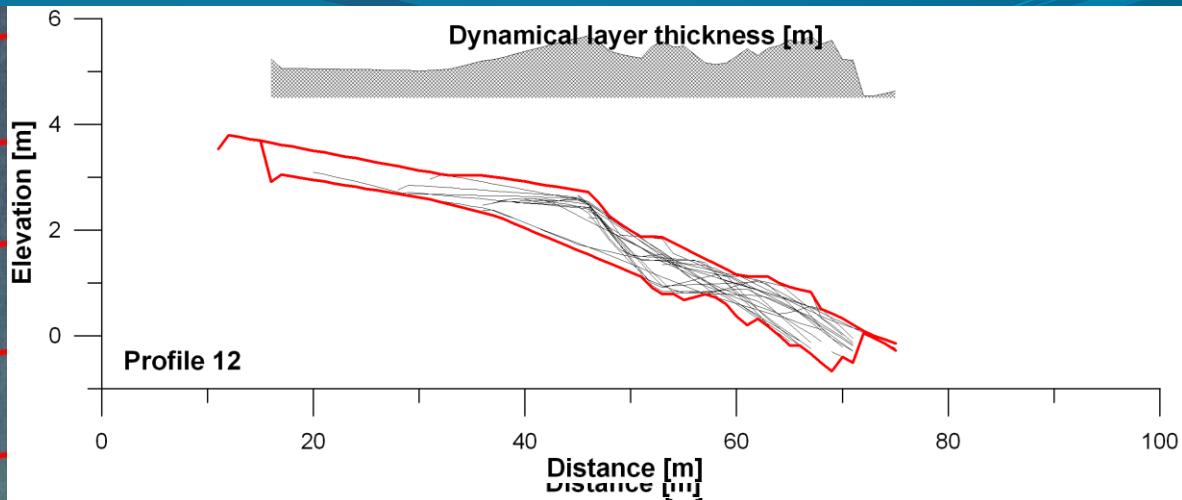
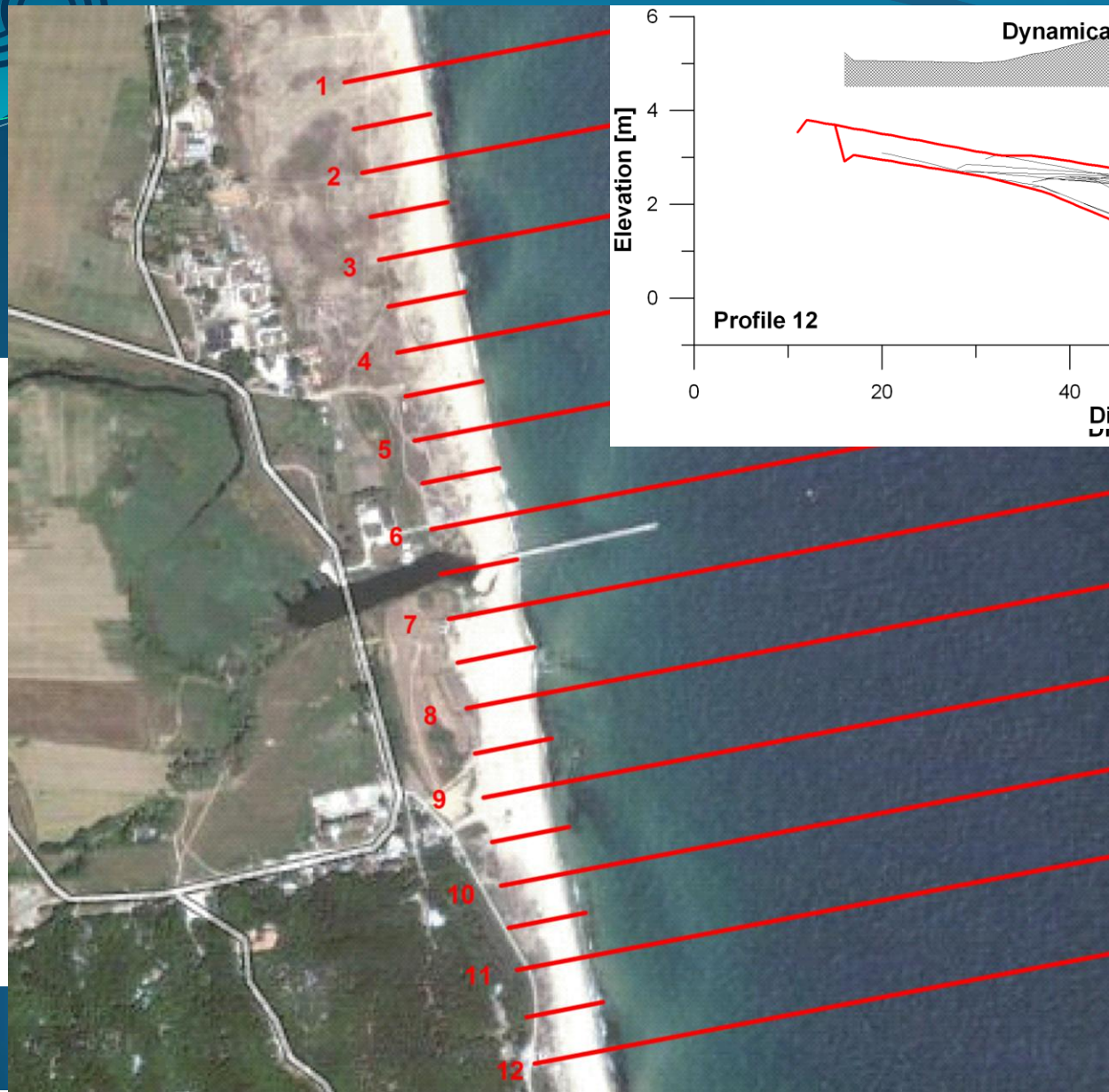
Щормови събития по време на измервателния сезон





Натурни измервания – профили по естакадата







НИЯ – ВОДНИ ЛИНИИ

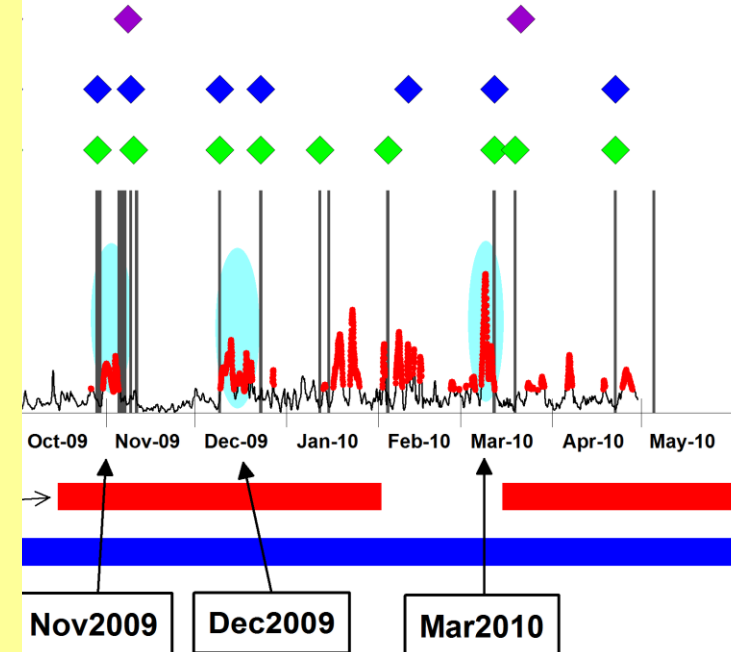
42°57'55.32811"
27°53'28.69362"



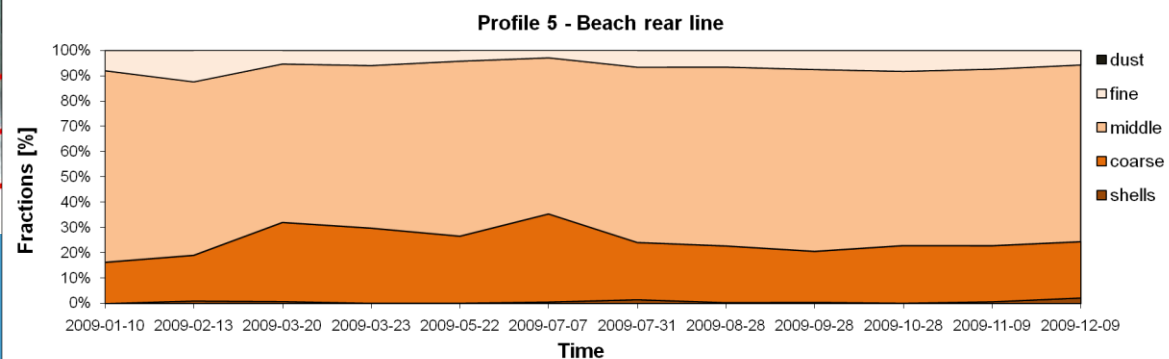
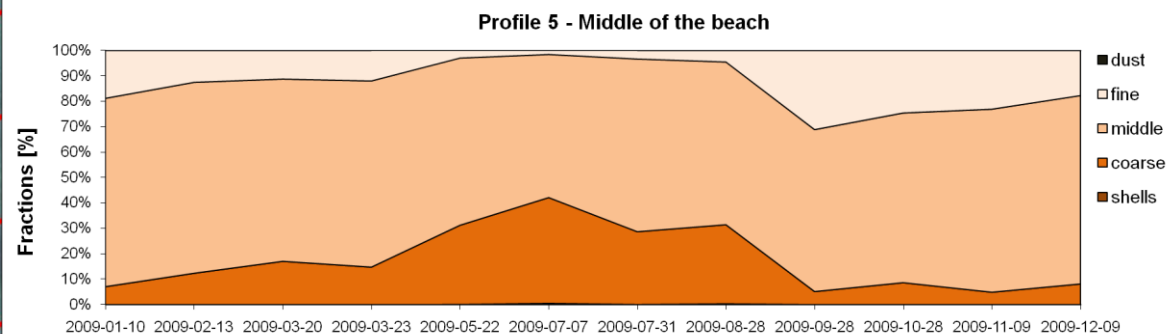
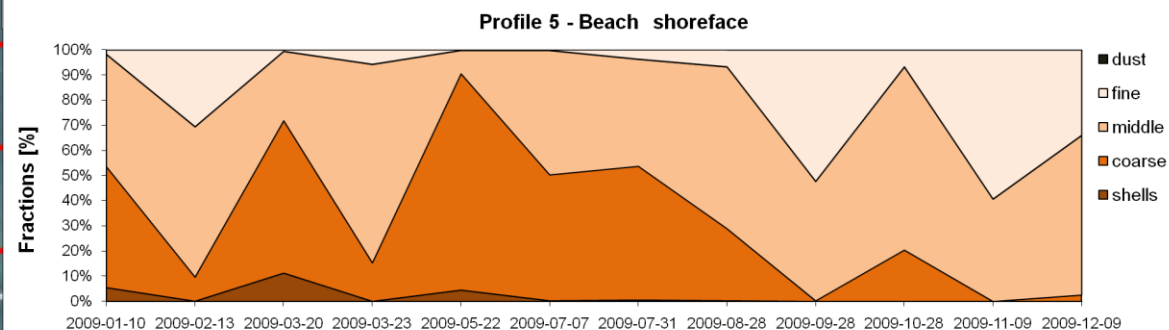
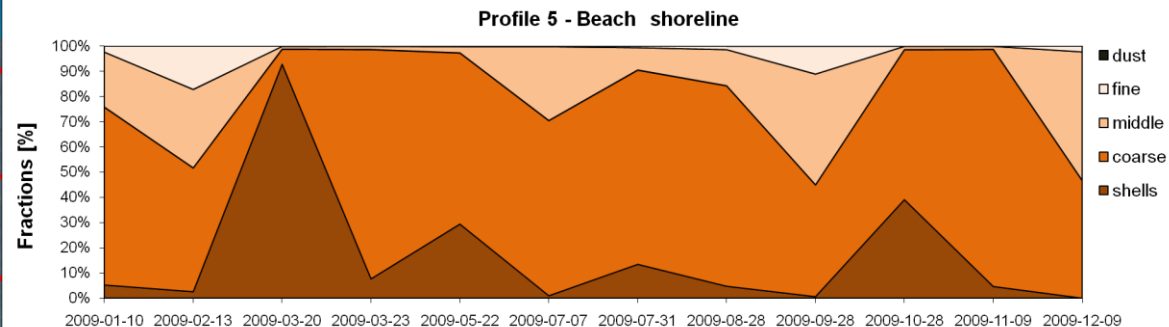
42°57'03.19521"
27°53'27.26681"

42°57'54.34762"
27°54'35.17410"

42°57'02.21482"
27°54'33.74090"



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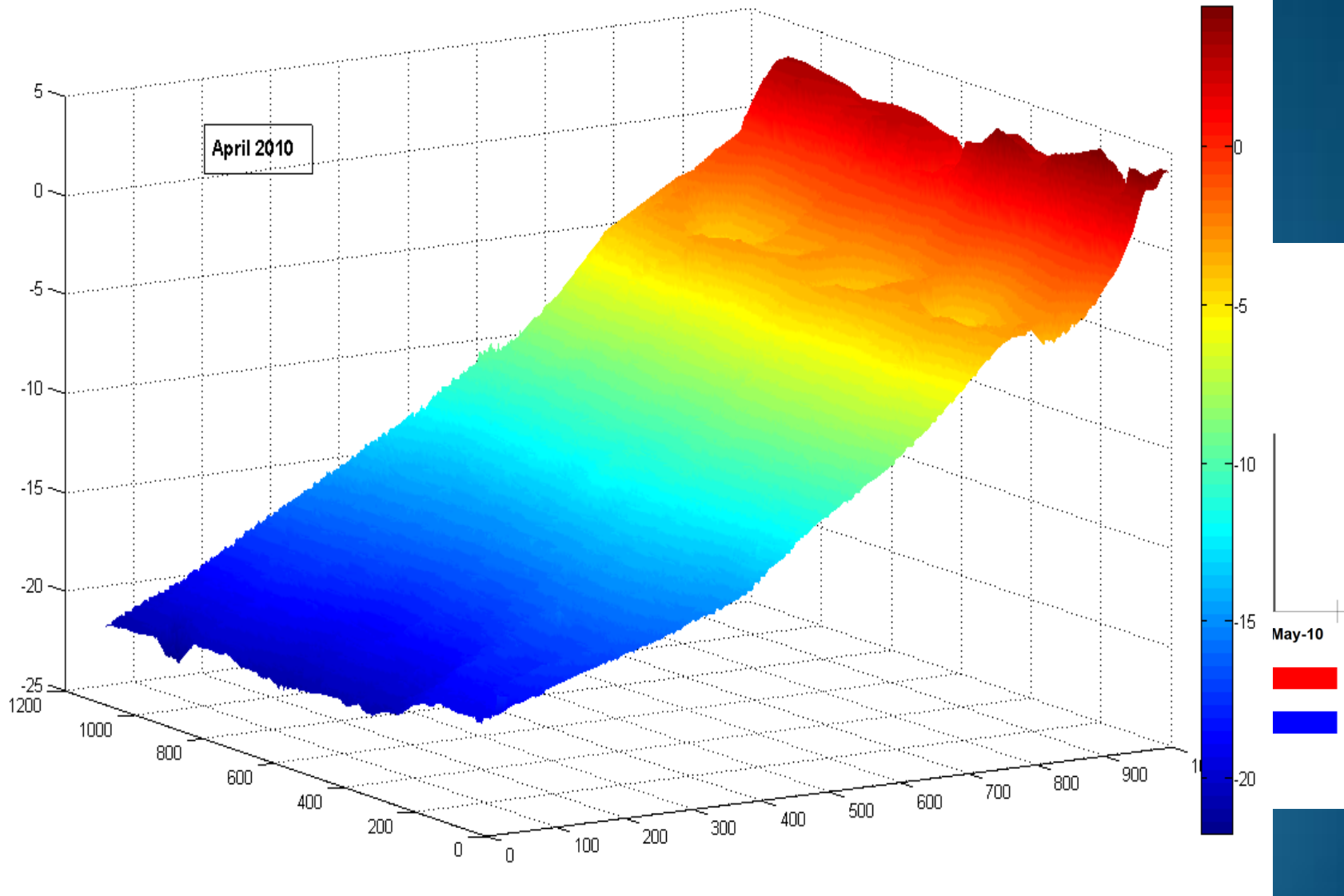
H

Bea
Top

Cros
along

Thre

Rean



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Натурни измервания - ADCP



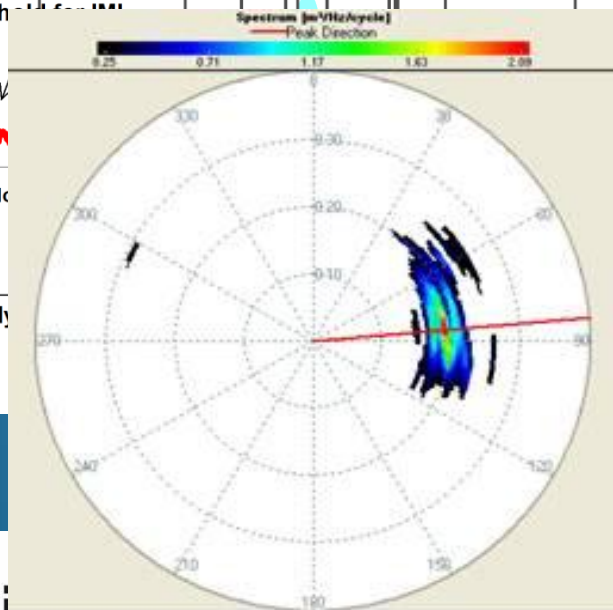
Bea
Top

Cros
along

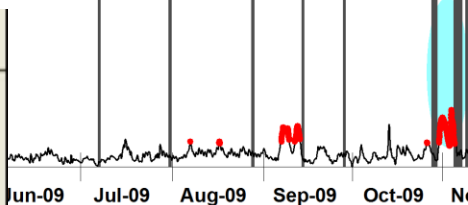
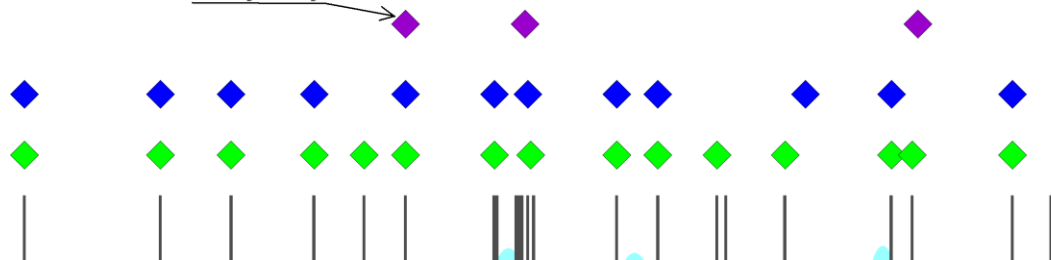
Thresh

No

Reanaly



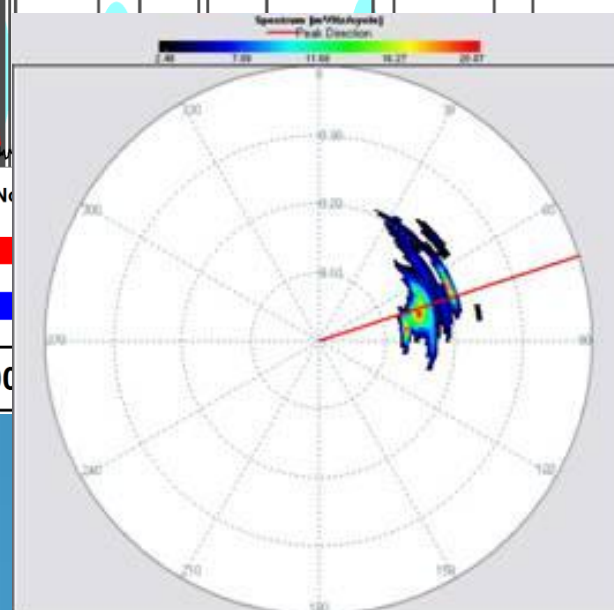
Bathymetry



ADCP

gauge

Nov200



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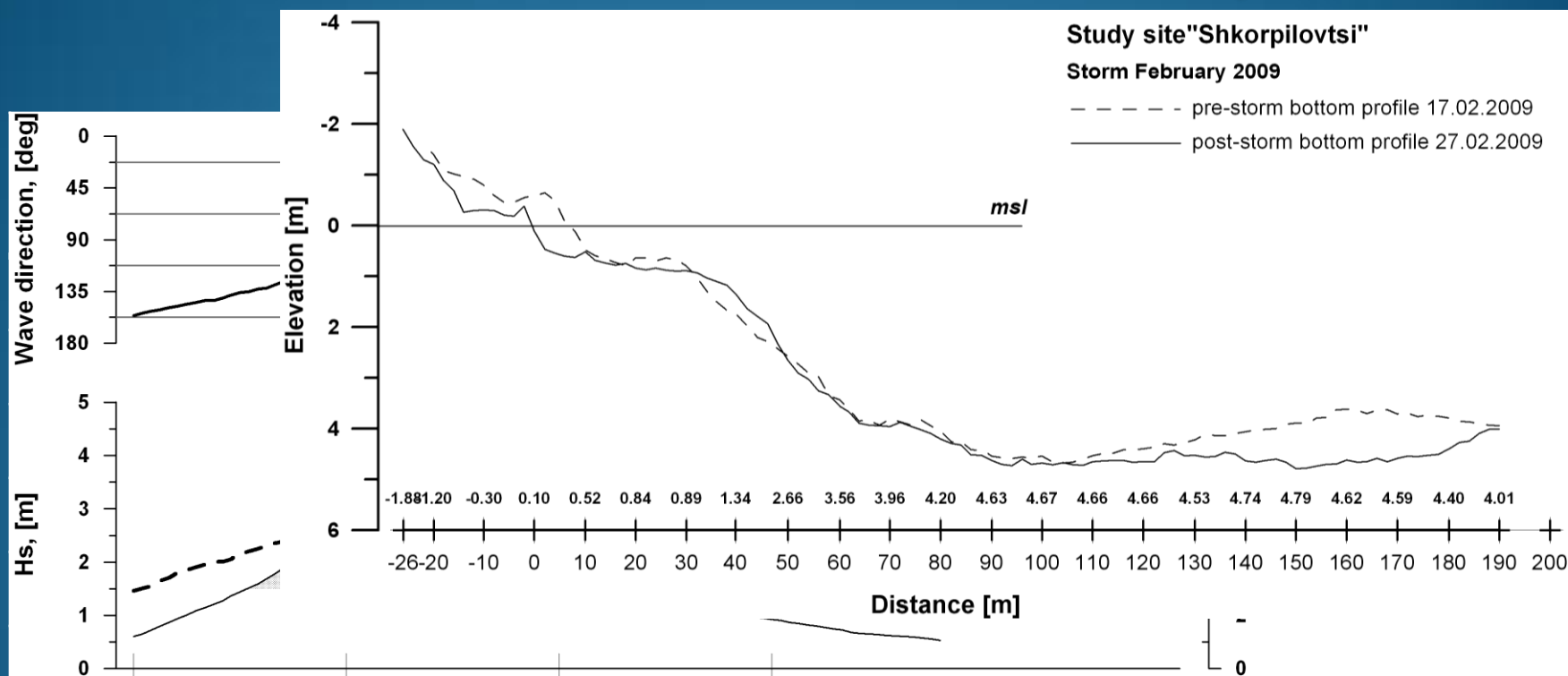


Описание на щормове

Storm	Maximum shoreline retreat	Maximum thickness of eroded layer	
		Submerged beach	Subaerial beach
	[m]	[m]	[m]
February 2009	7	1.11	0.96
April 2009	11	0.98	0.99
November 2009	12	0.68	1.08
December 2009	6	1.05	1.42
March 2010	13.4	0.92	2.14



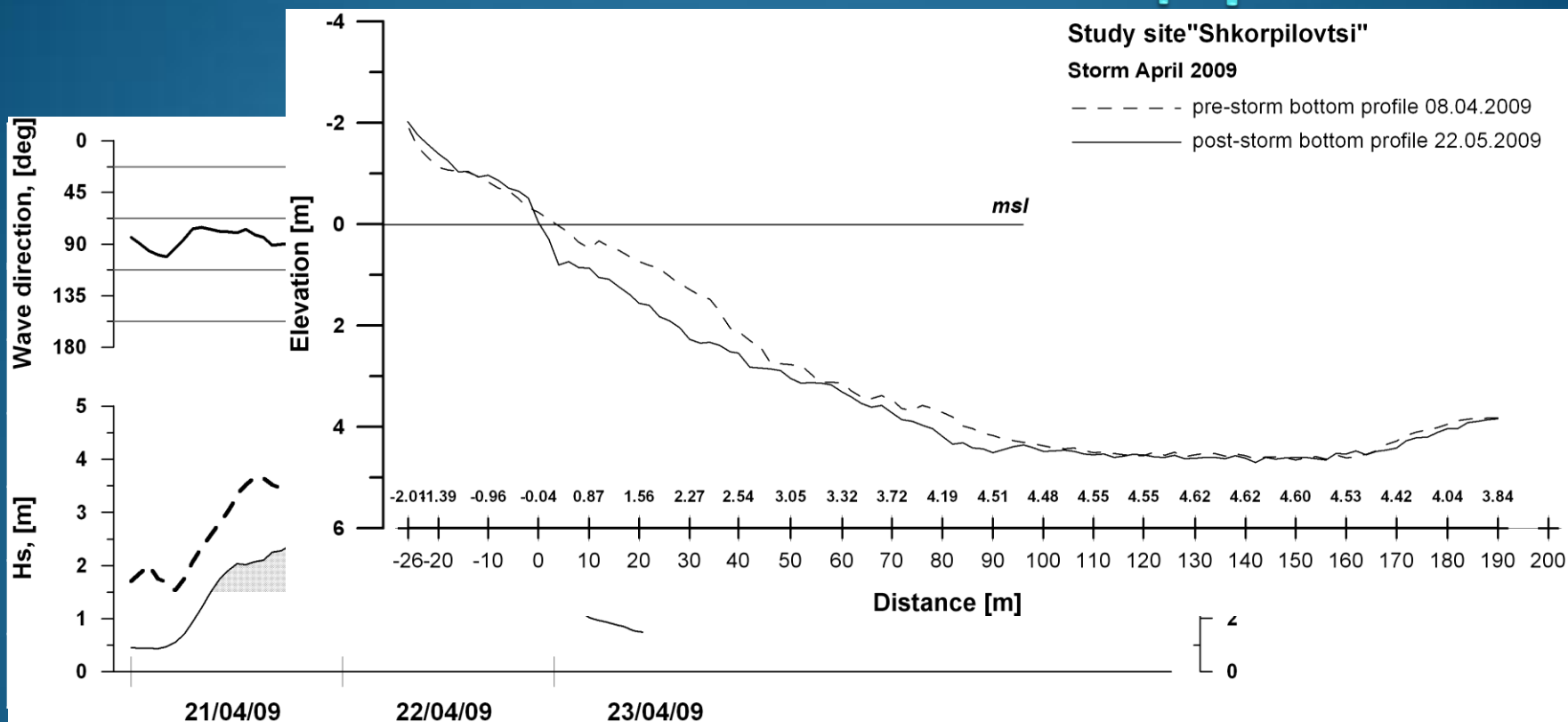
Описание на щормове



19/02/09 20/02/09 21/02/09 22/02/09										
Wave	Duration, [h]	Hs ave, [m]	Hs min, [m]	Hs max, [m]	Tm ave, [s]	Tm min, [s]	Tm max, [s]	Theta ave, [deg]	Theta min, [deg]	Theta max, [deg]
Reanalysis	92	1.52	0.53	2.48	4.3	2.7	5.6	85	52	156



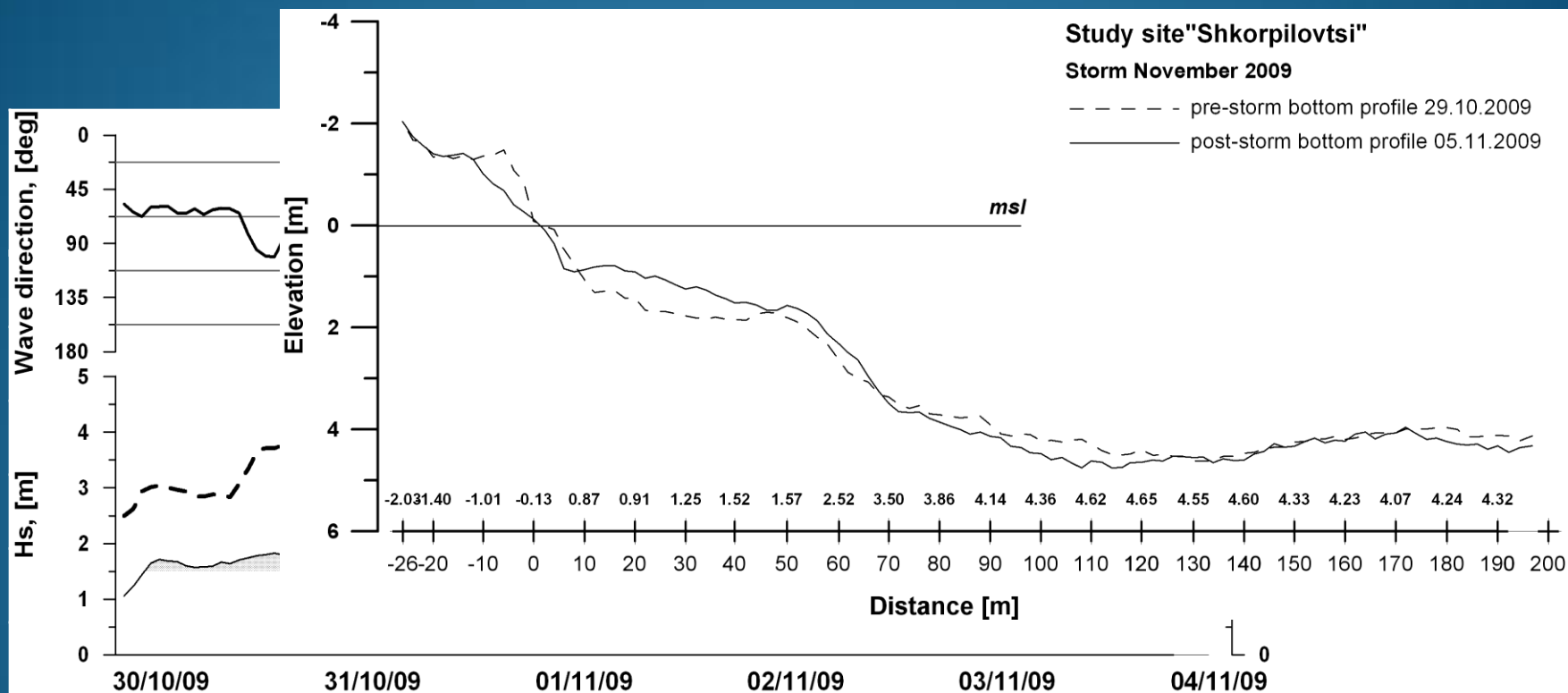
Описание на щормове



Wave	Duration, [h]	Hs ave, [m]	Hs min, [m]	Hs max, [m]	Tp ave, [s]	Tp min, [s]	Tp max, [s]	Theta ave, [deg]	Theta min, [deg]	Theta max, [deg]
ADCP	59	1.81	0.43	3.01	7.5	3.1	9.9	94	75	111



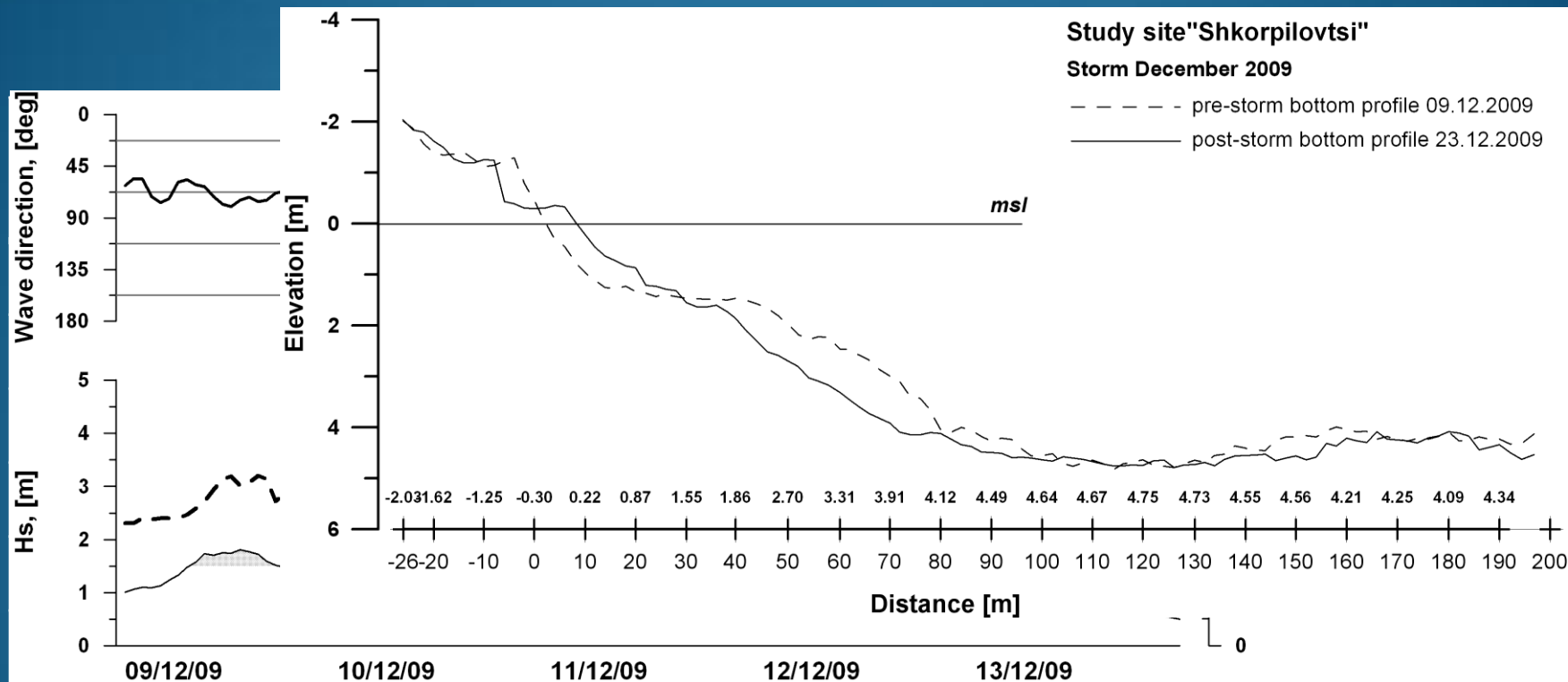
Описание на щормове



Wave	Duration, [h]	Hs ave, [m]	Hs min, [m]	Hs max, [m]	Tp ave, [s]	Tp min, [s]	Tp max, [s]	Theta ave, [deg]	Theta min, [deg]	Theta max, [deg]
ADCP	124	1.44	0.81	1.95	7.0	4.5	8.8	88	57	169



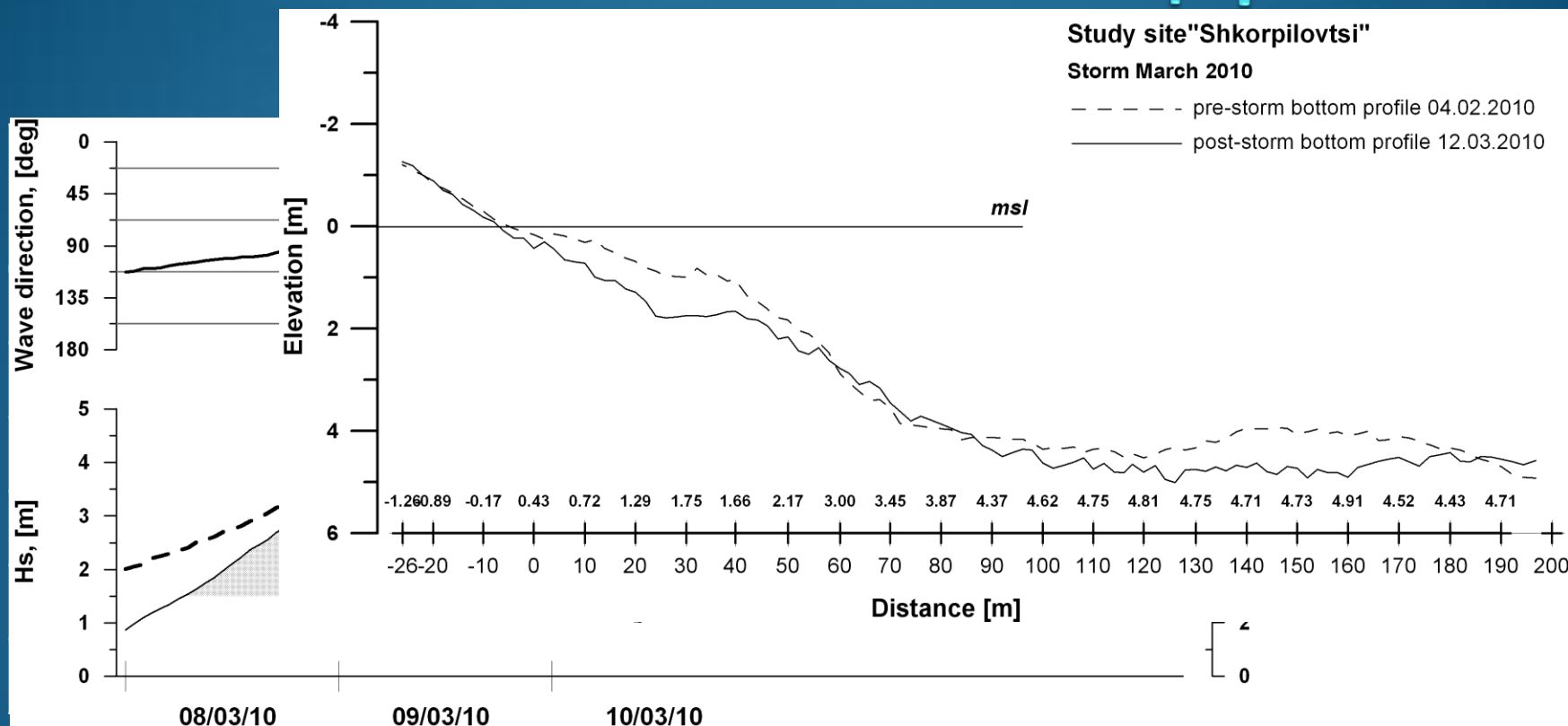
Описание на щормове



Wave	Duration, [h]	Hs ave, [m]	Hs min, [m]	Hs max, [m]	Tp ave, [s]	Tp min, [s]	Tp max, [s]	Theta ave, [deg]	Theta min, [deg]	Theta max, [deg]
ADCP	120	1.42	0.50	2.43	7.3	4.6	9.2	82	56	105



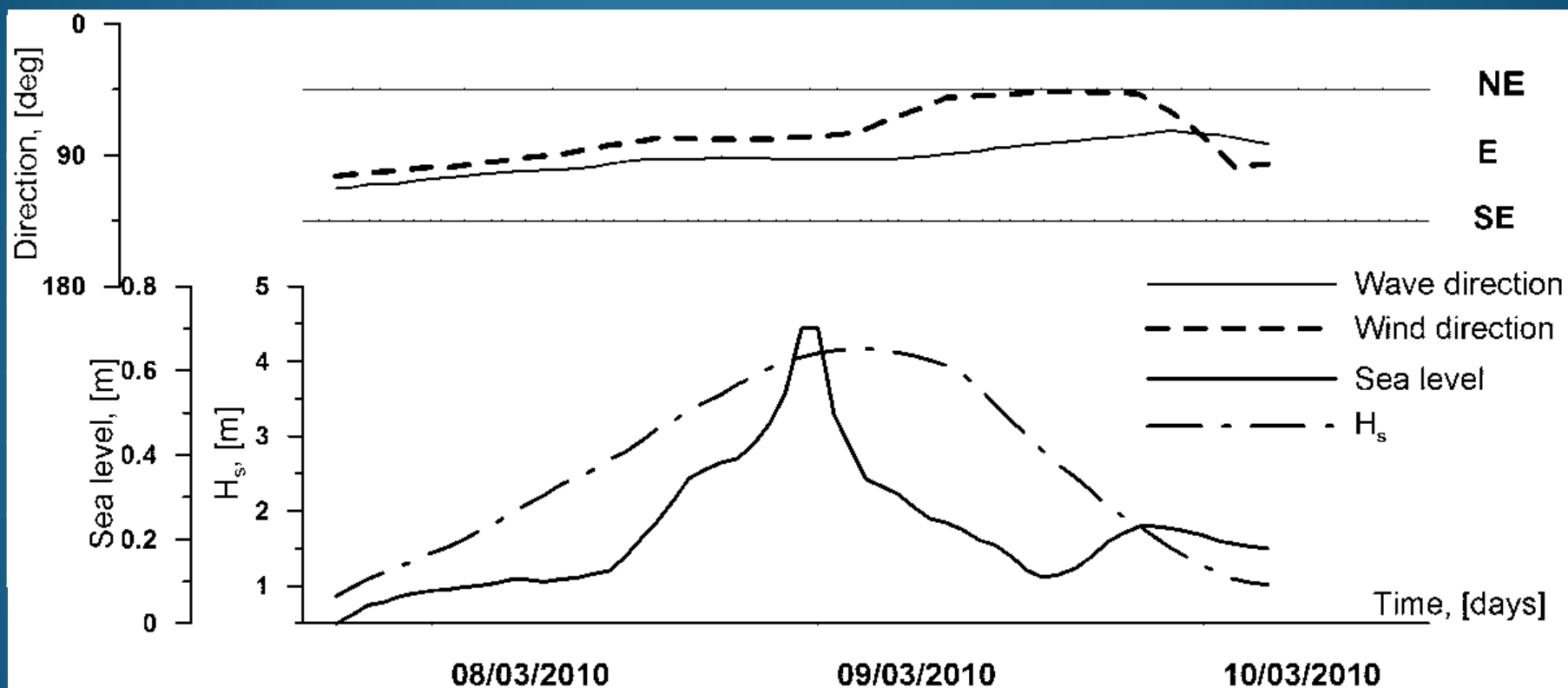
Описание на щормове



Wave	Duration, [h]	Hs ave, [m]	Hs min, [m]	Hs max, [m]	Tm ave, [s]	Tm min, [s]	Tm max, [s]	Theta ave, [deg]	Theta min, [deg]	Theta max, [deg]
Reanalysis	59	2.60	0.86	4.17	6.0	3.4	7.9	92	73	113

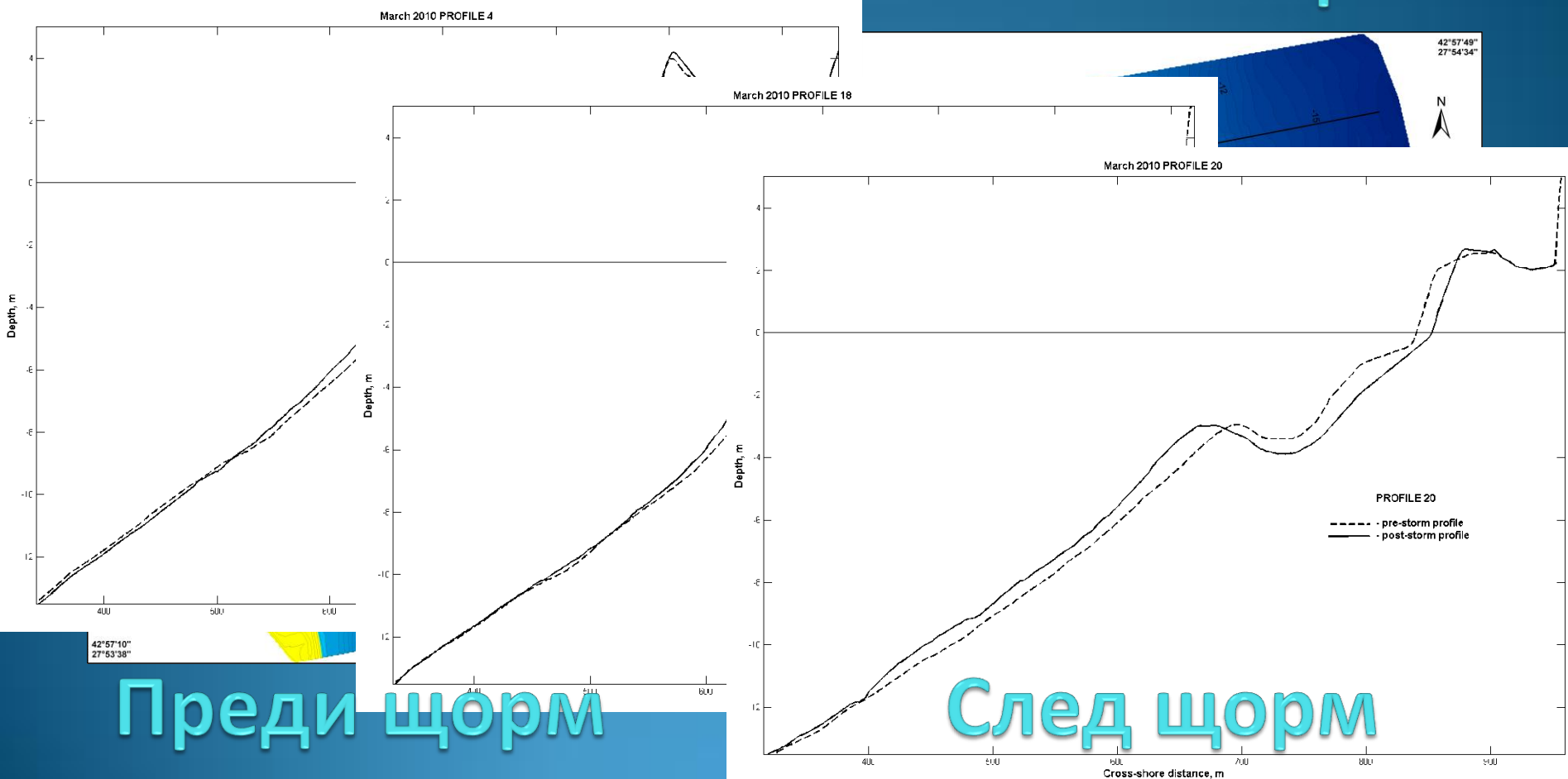


Описание на щормове





Топография и батиметрия



Преди щорм

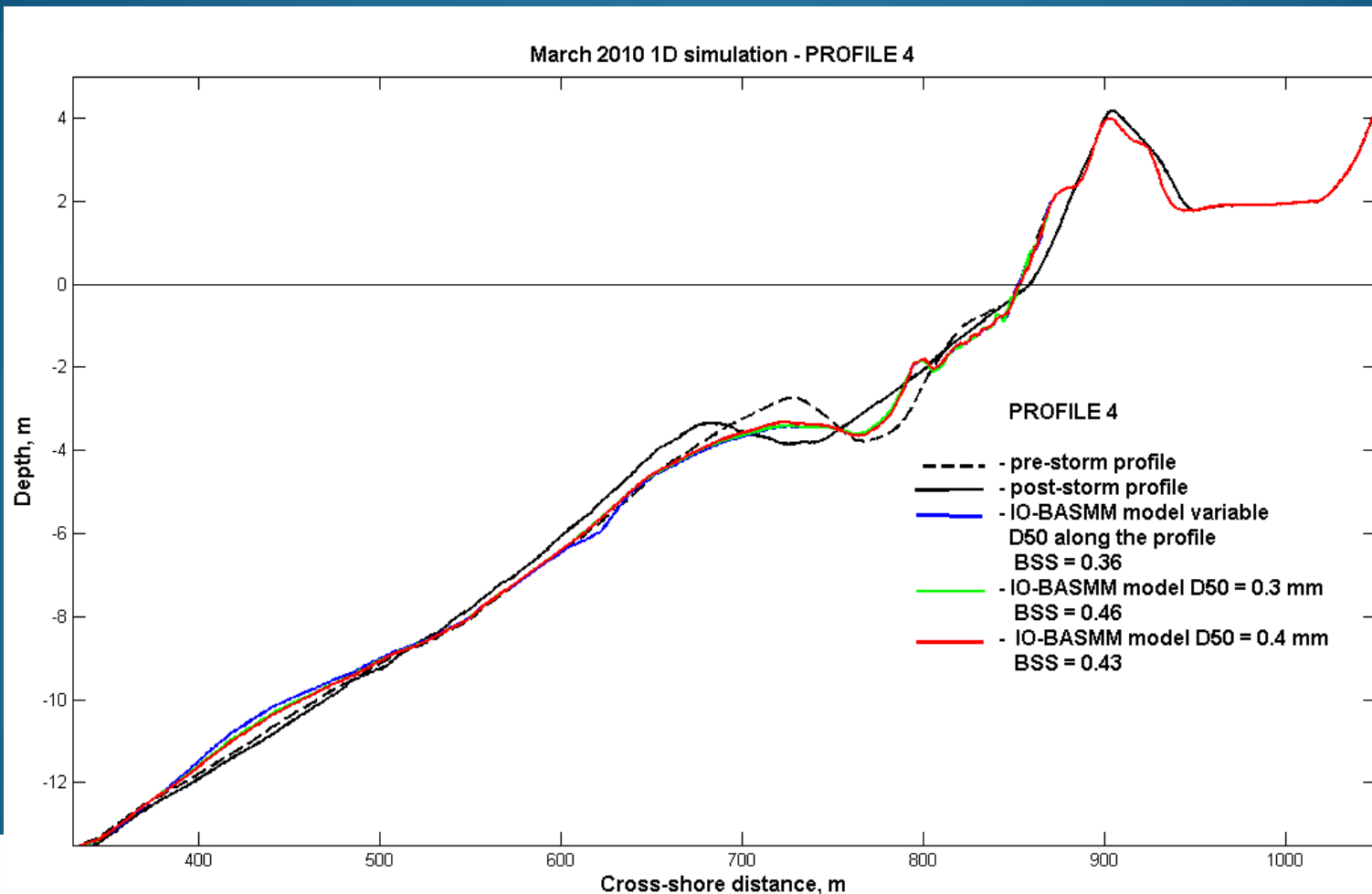
След щорм



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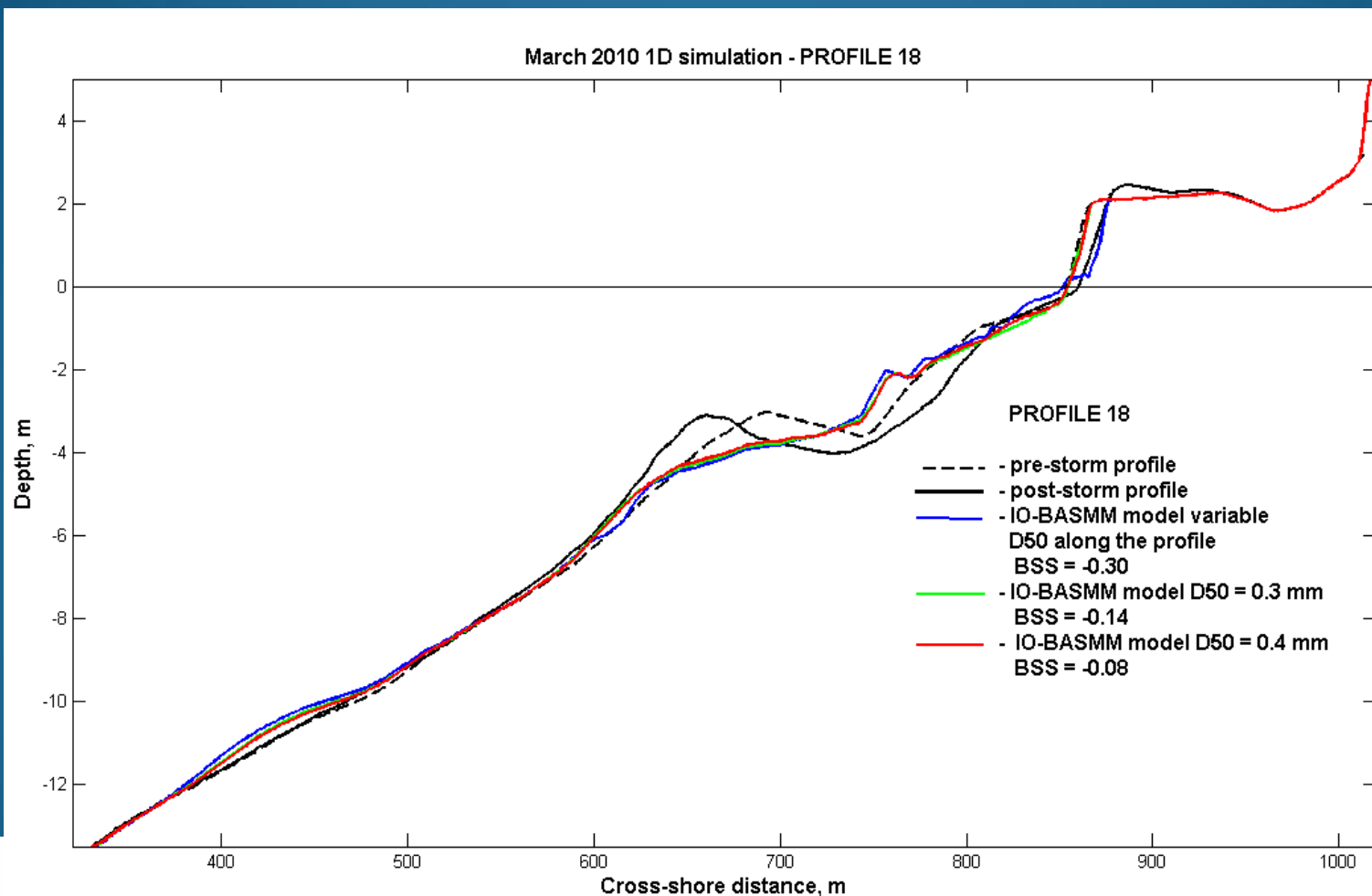


Результати IO-BAS MM



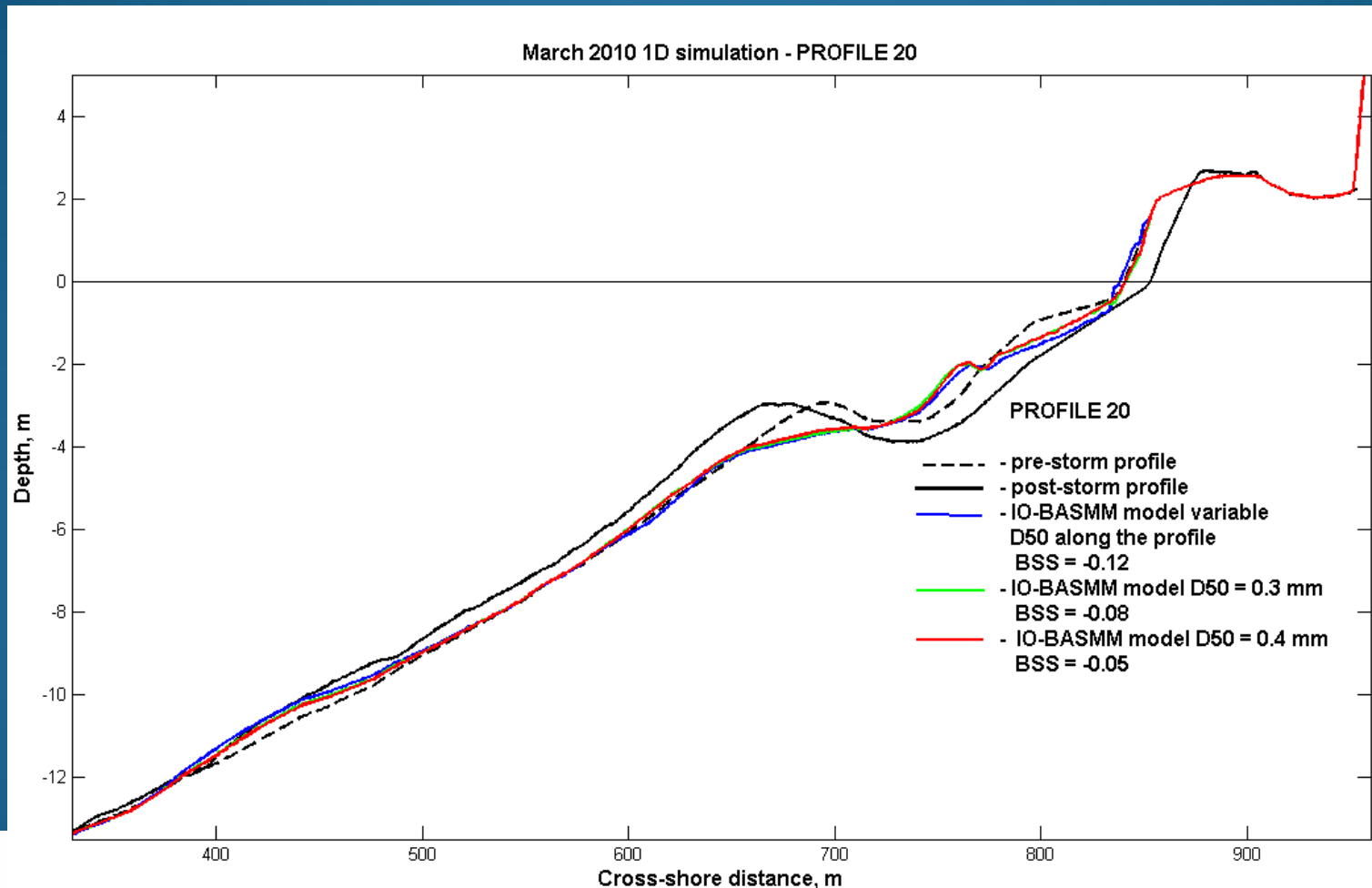


Результати IO-BAS MM



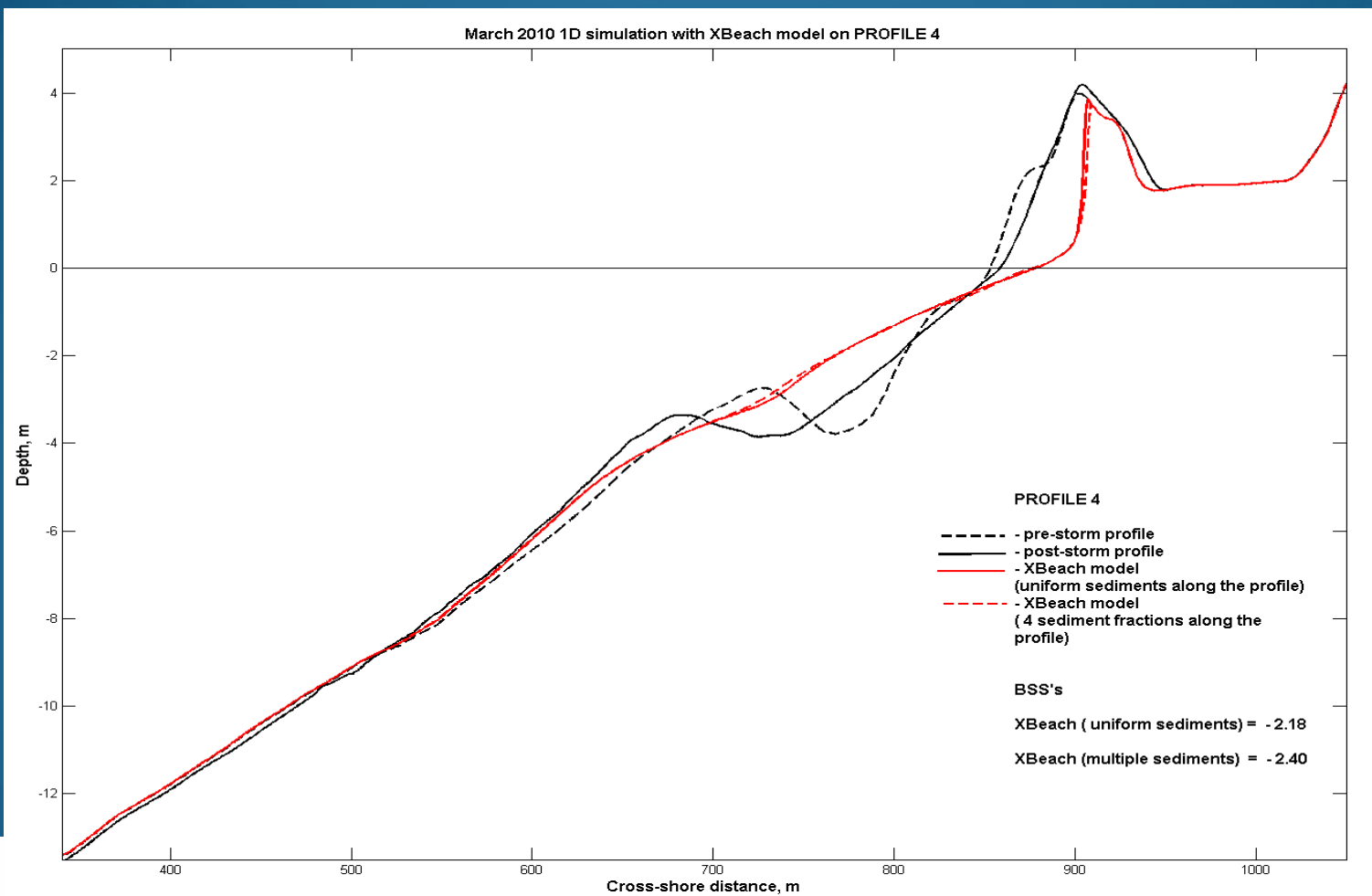


Результати IO-BAS MM



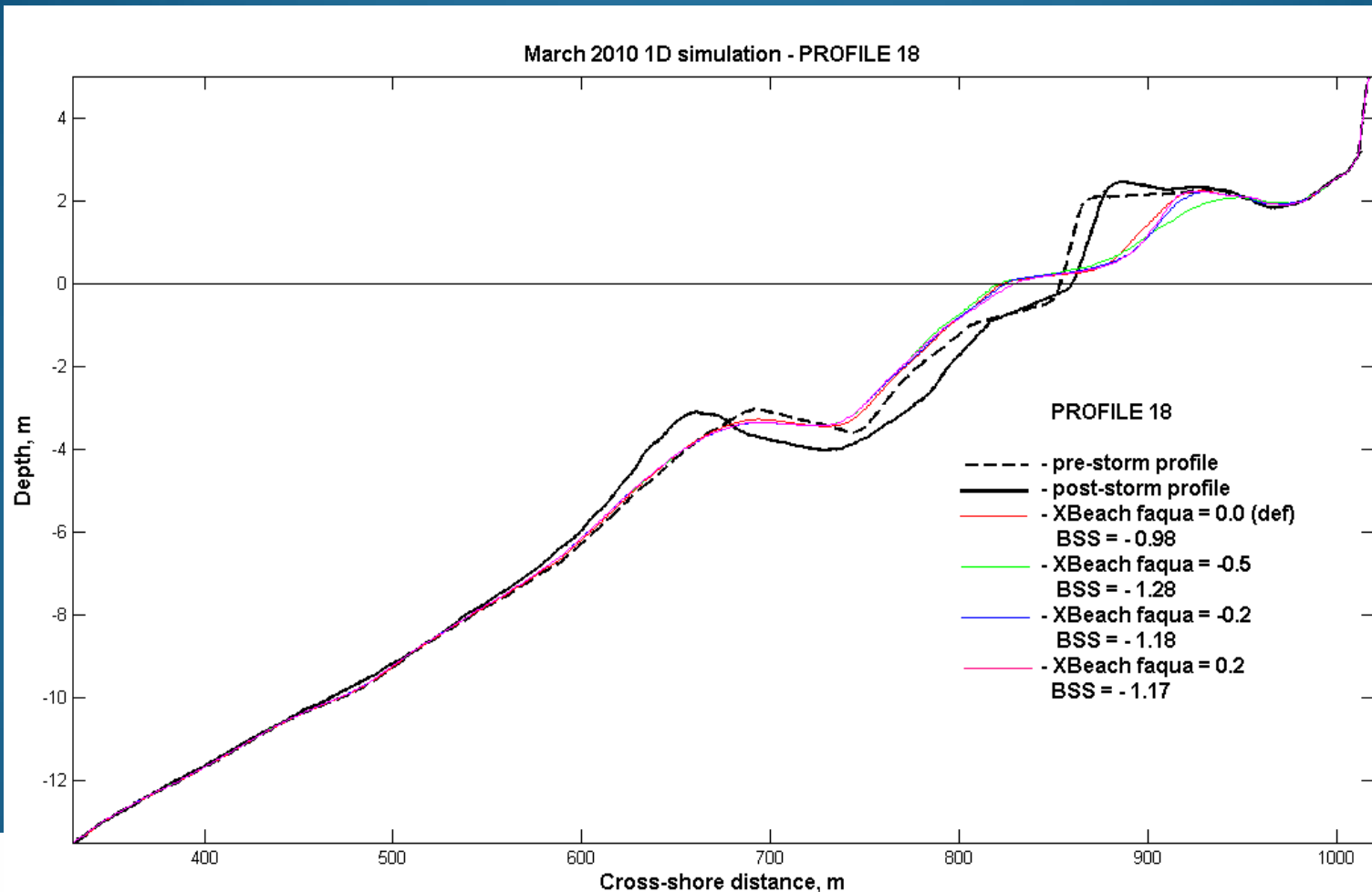


Результати 1D XBeach



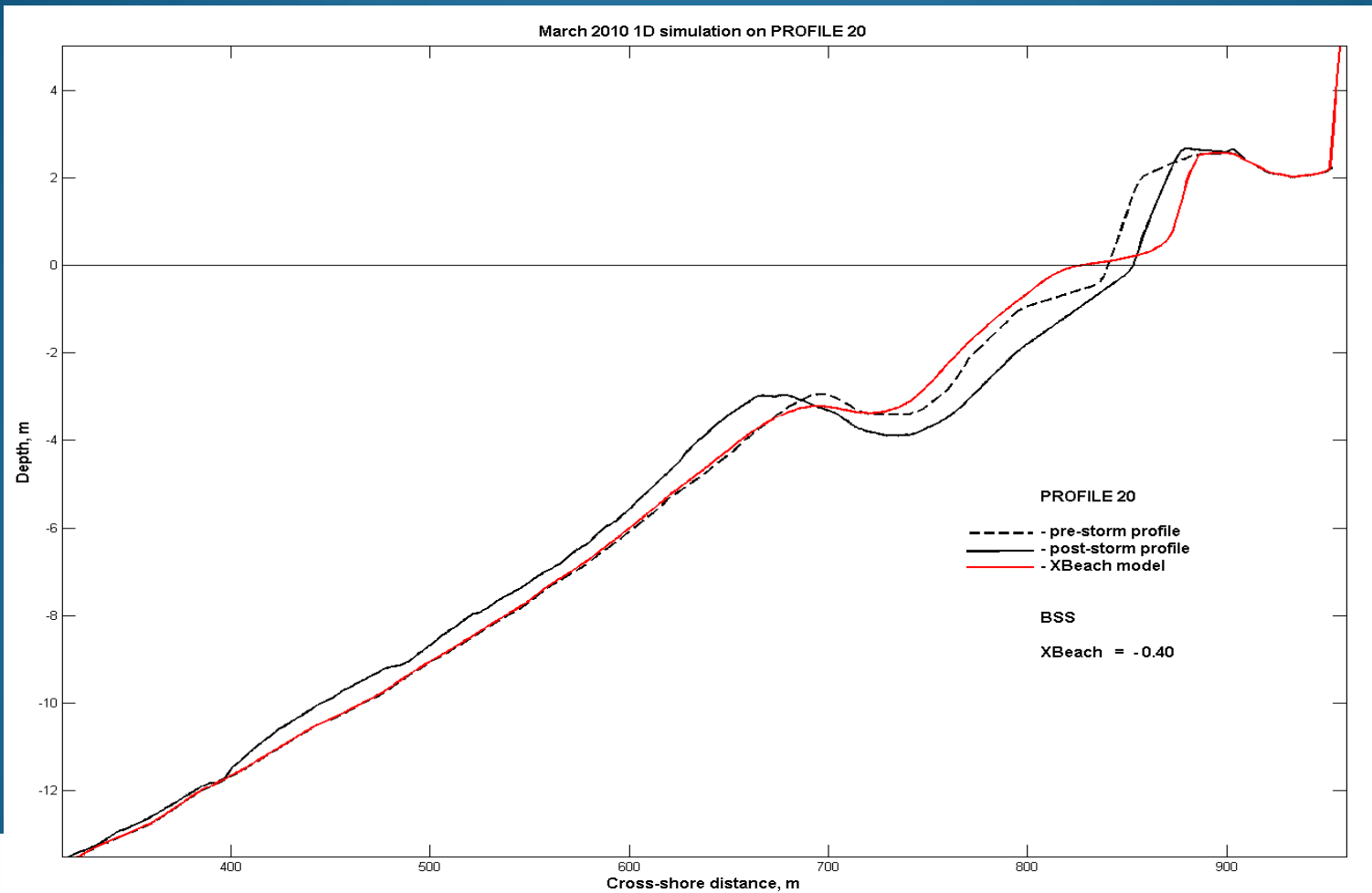


Результати 1D XBeach





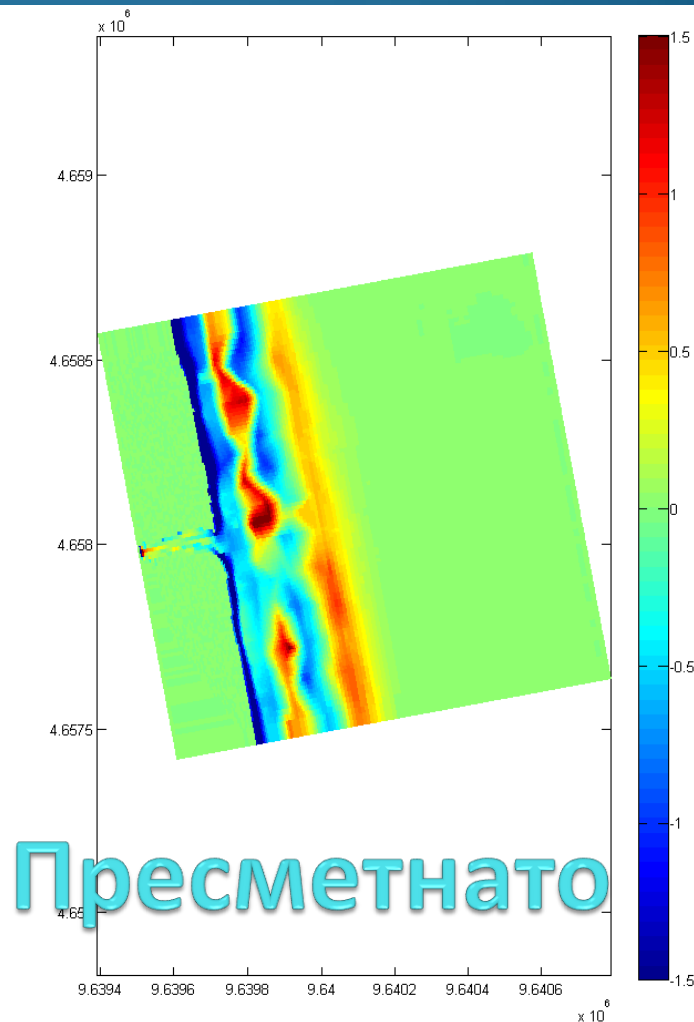
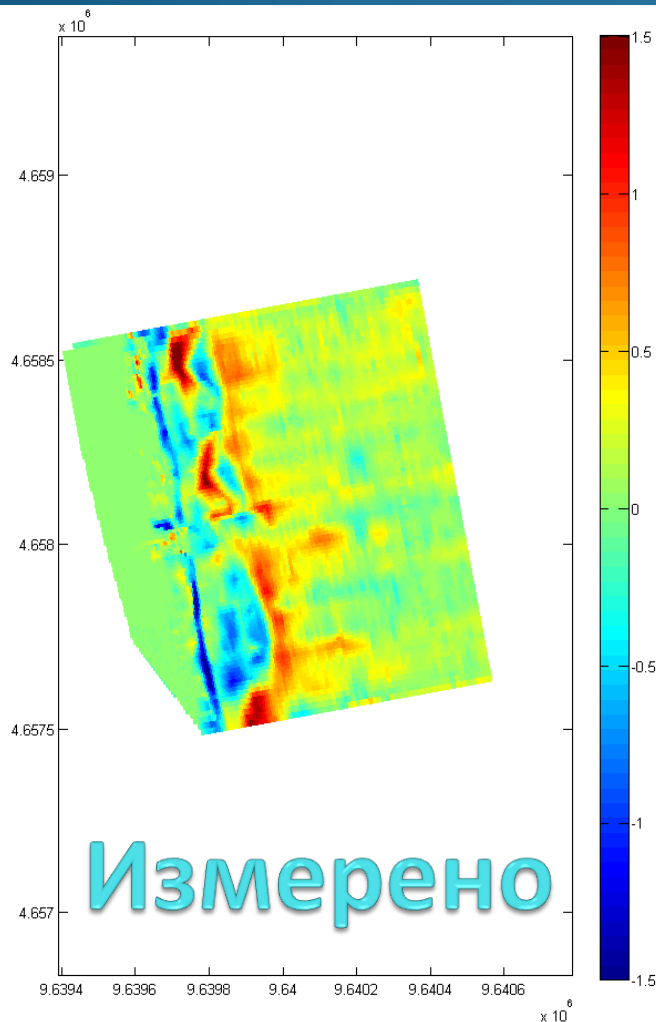
Результати 1D XBeach



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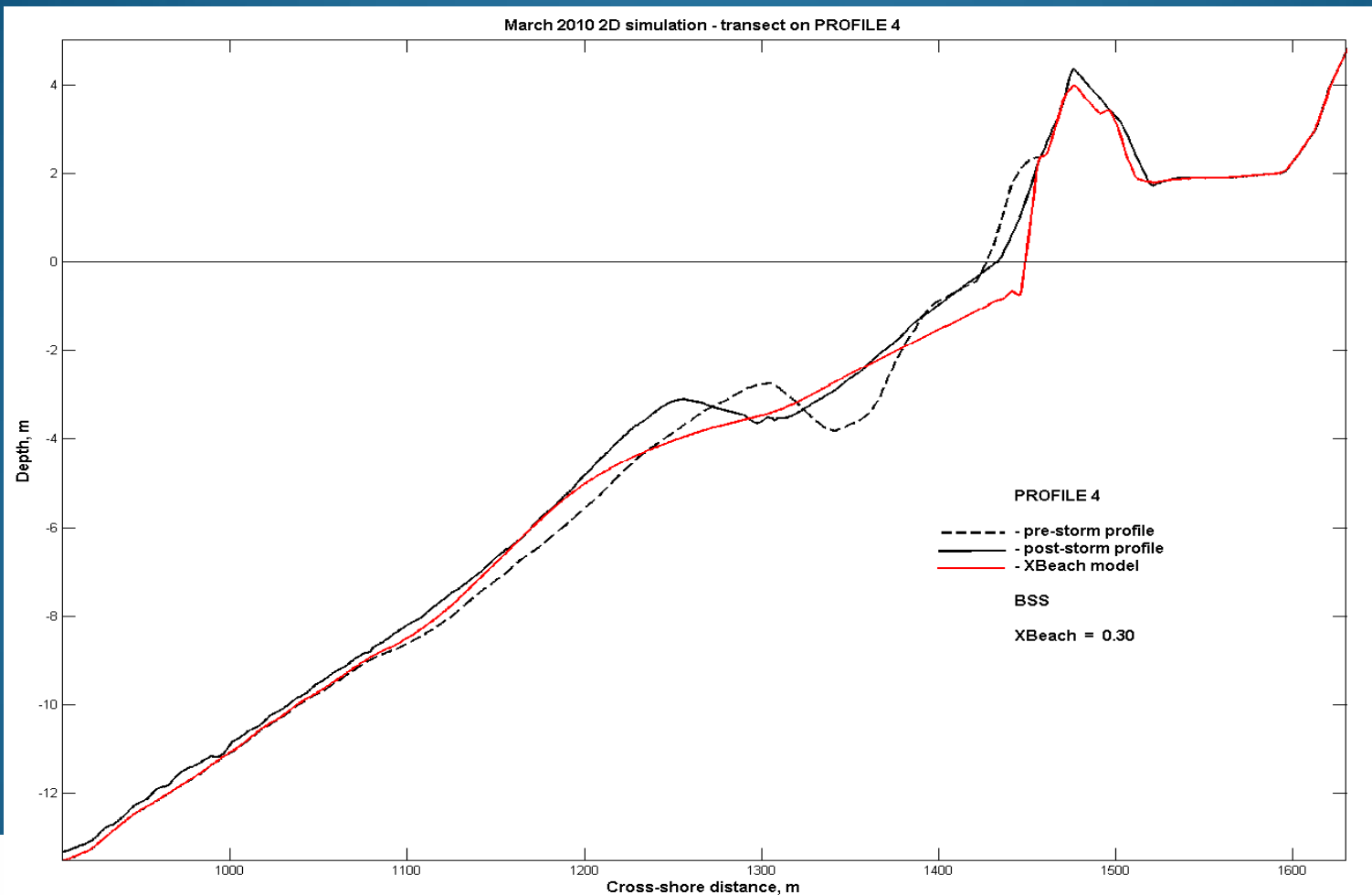


Резултати 2D XBeach



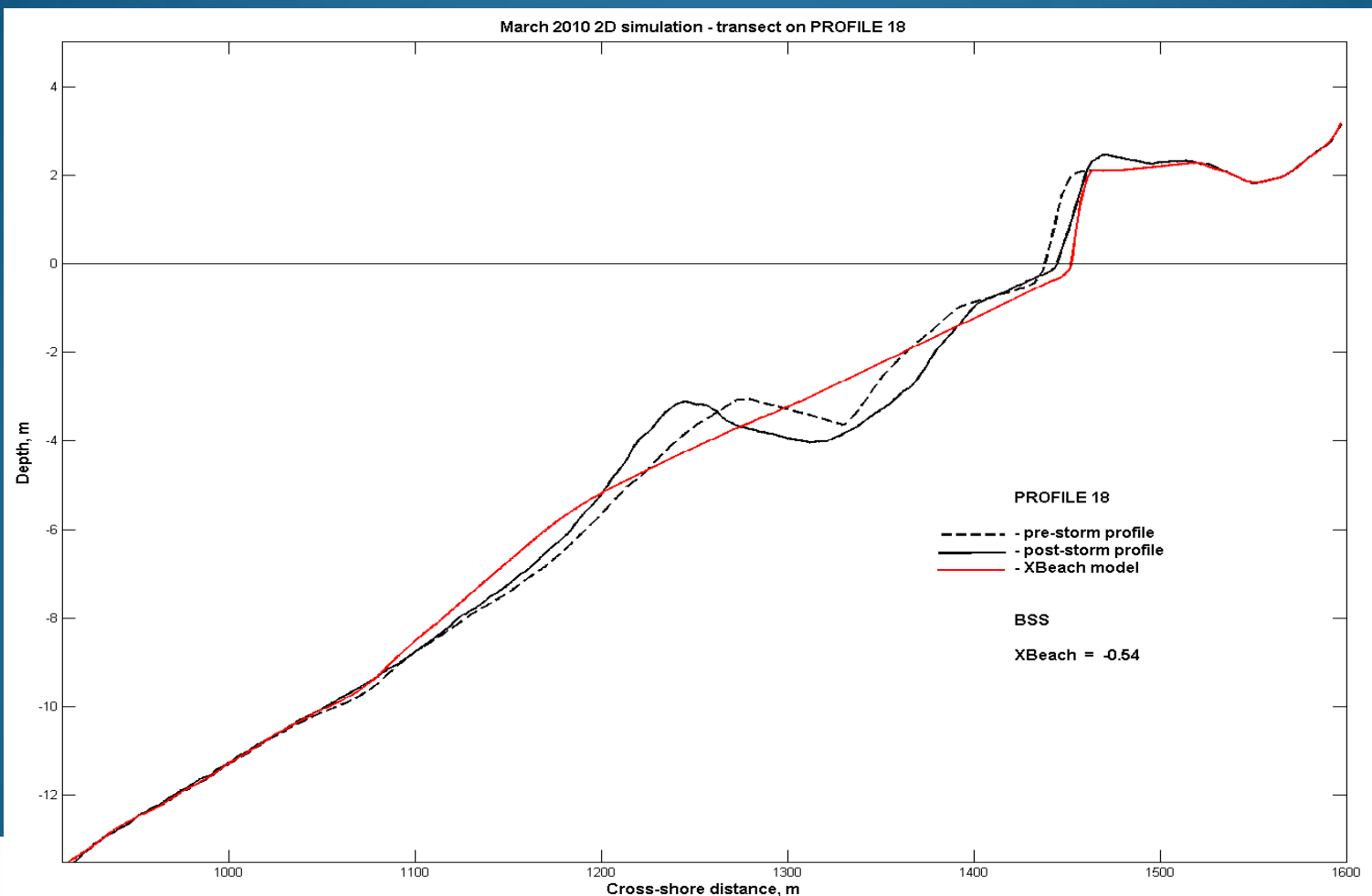


Результати 2D XBeach





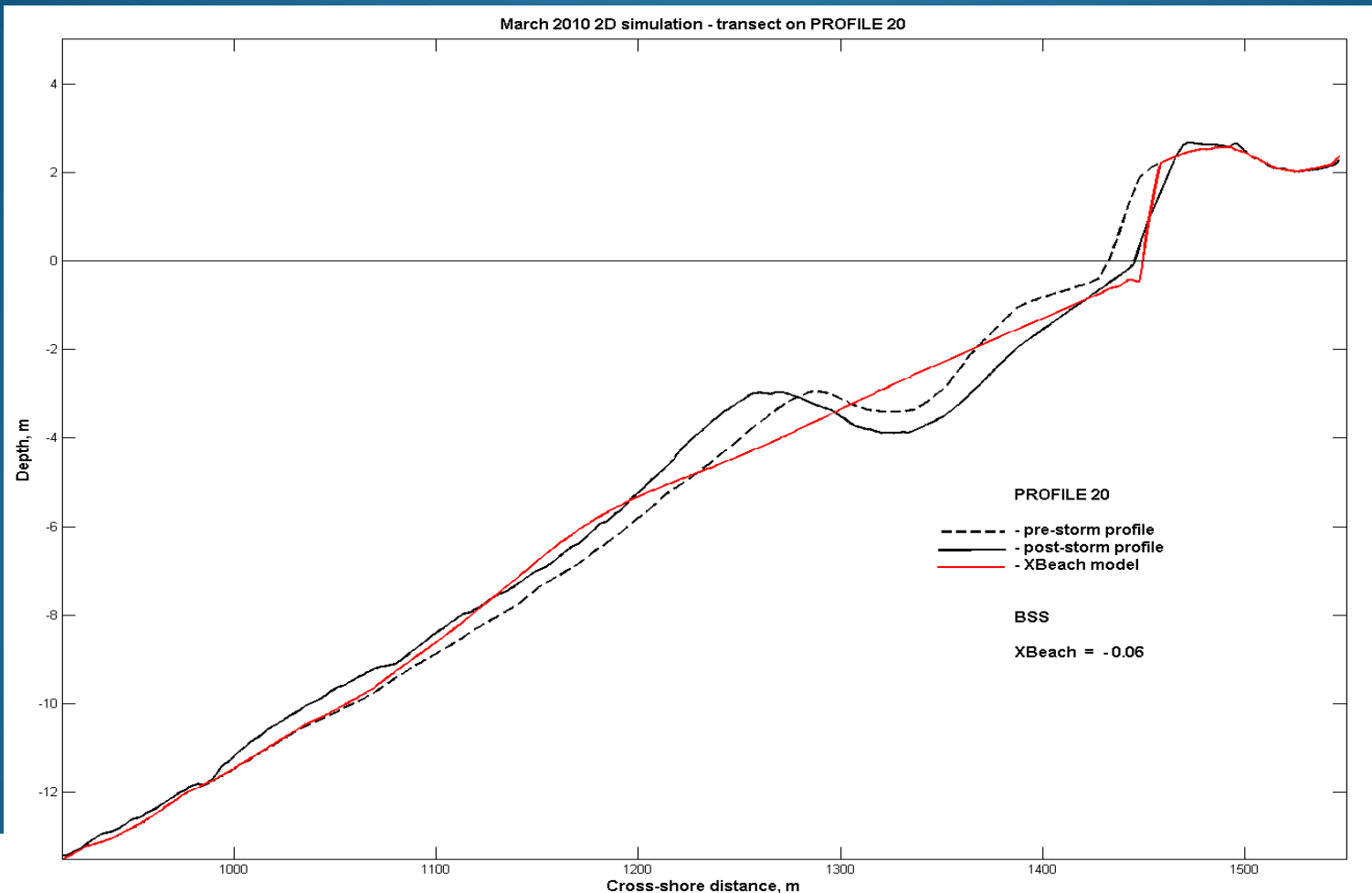
Результати 2D XBeach



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Результати 2D XBeach



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Резултати Заливане

