

Turbulence intensity profiles | Active thruster: BT2
 Maximum TI near bed and location in the vertical
 $\Delta x = 23.1 \text{ m}$, $\Delta y = 0.0 \text{ m}$, $UKC = 2.4 \text{ m}$, $U_{BT2} = 2.6 \text{ m/s}$

PIV, FOV3

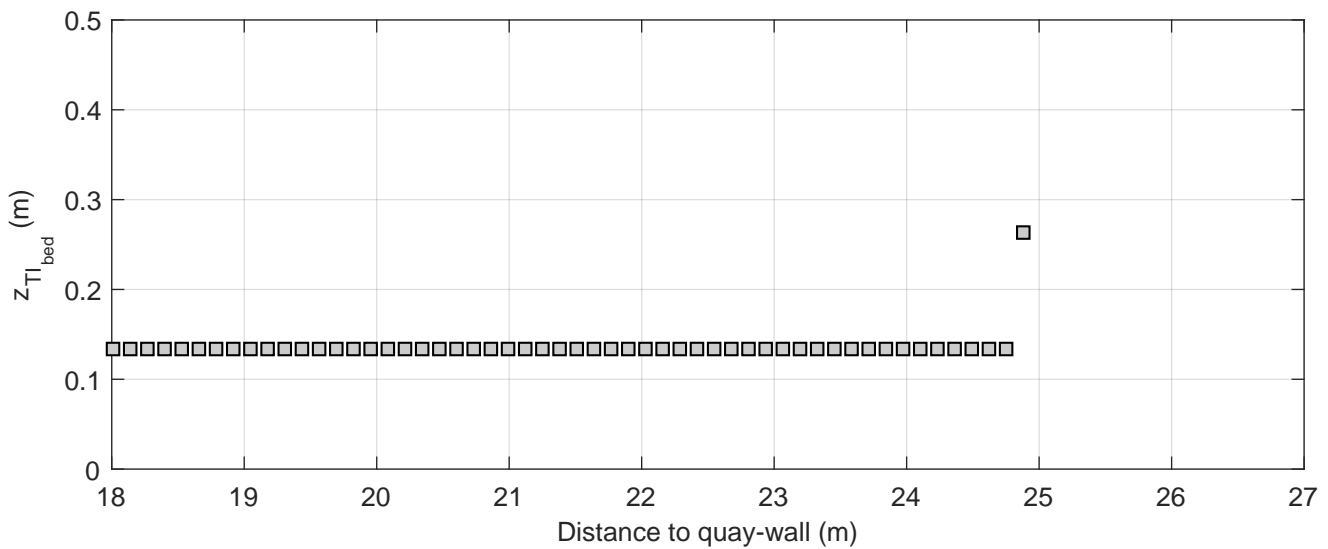
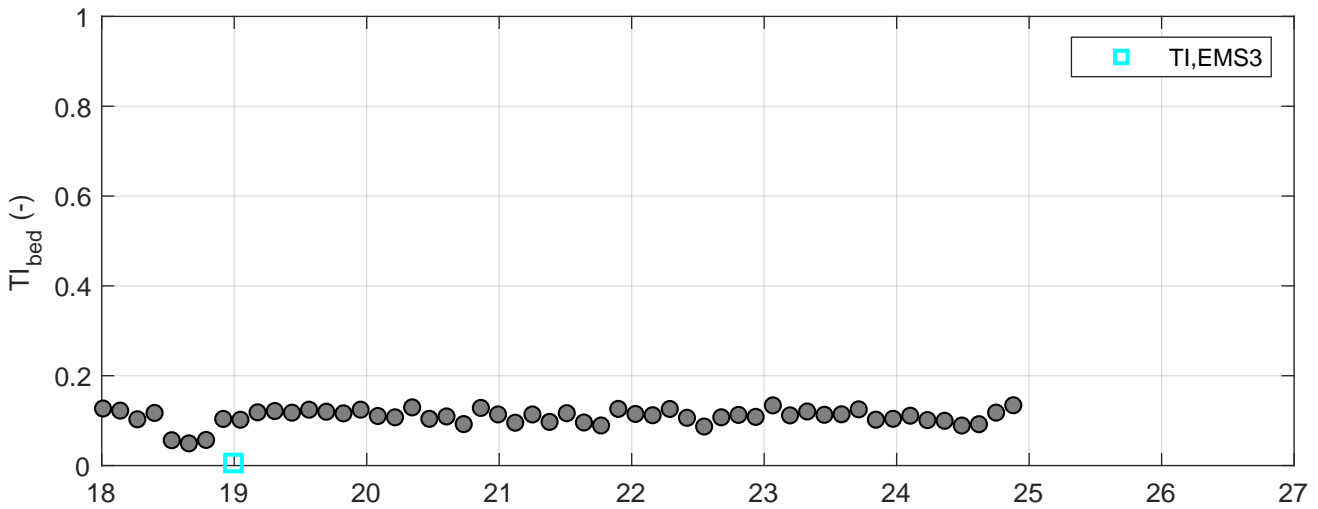
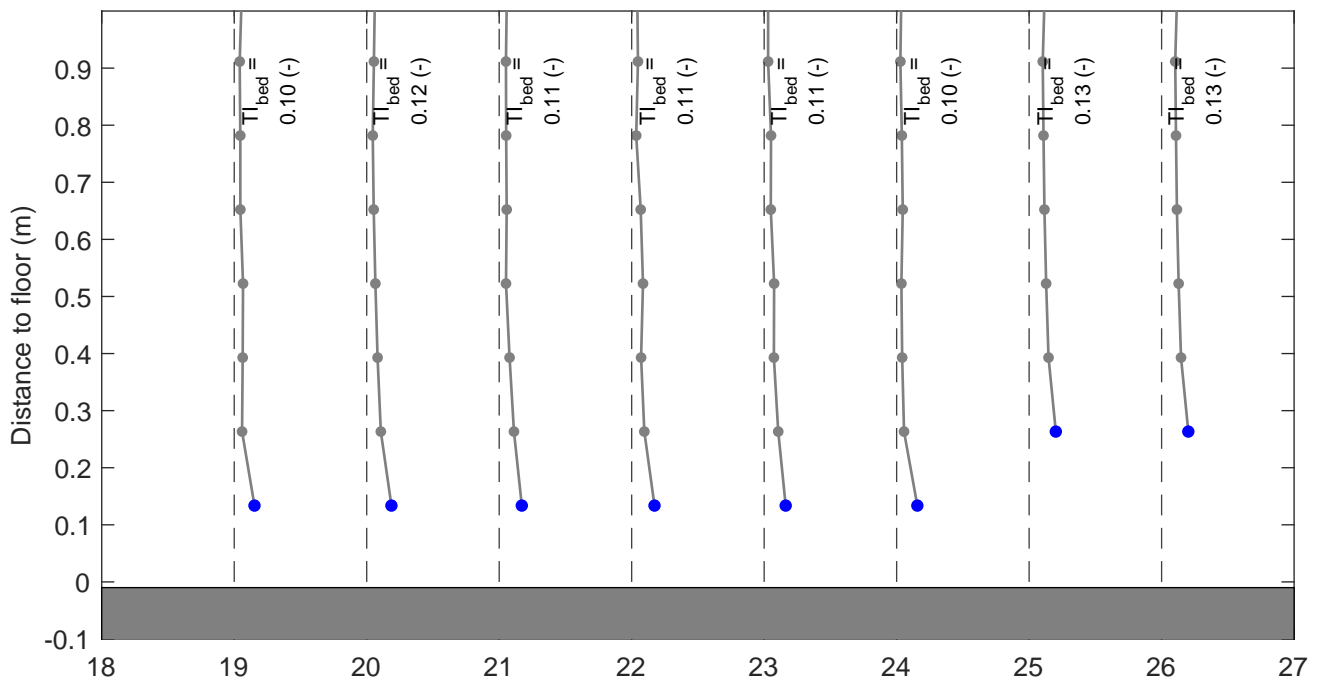
TKI-SOP

PIVSOP008

Deltares

11206641

Fig. J



Turbulence intensity profiles | Active thruster: BT2
 Maximum TI near bed and location in the vertical
 $\Delta x = 23.1 \text{ m}$, $\Delta y = 0.0 \text{ m}$, $UKC = 2.4 \text{ m}$, $U_{BT2} = 3.8 \text{ m/s}$

PIV, FOV3

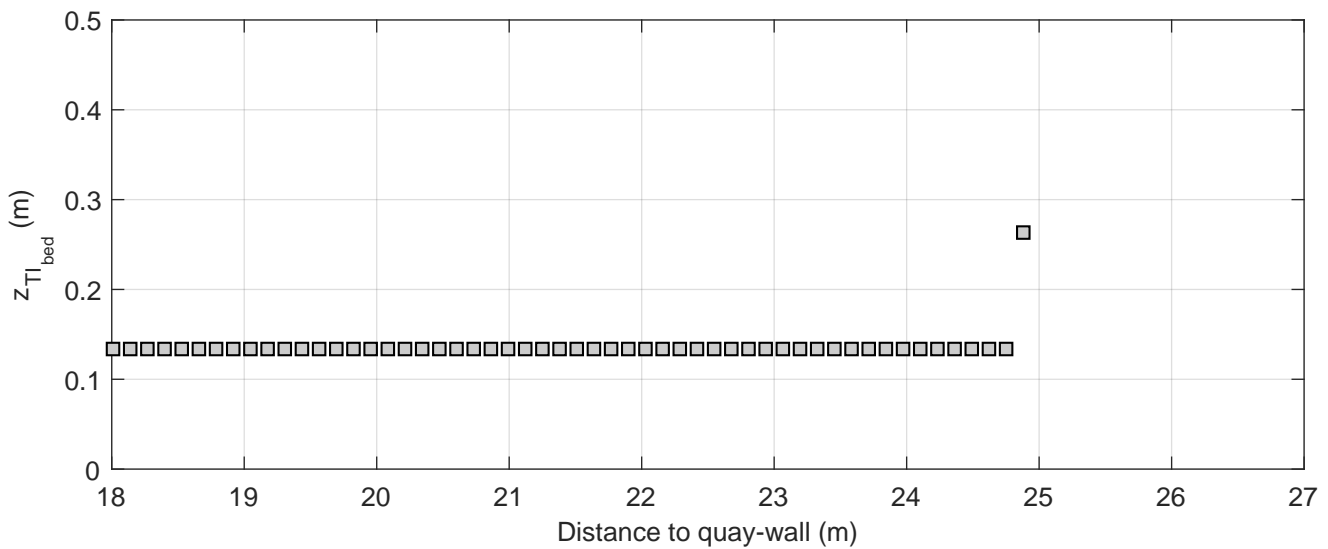
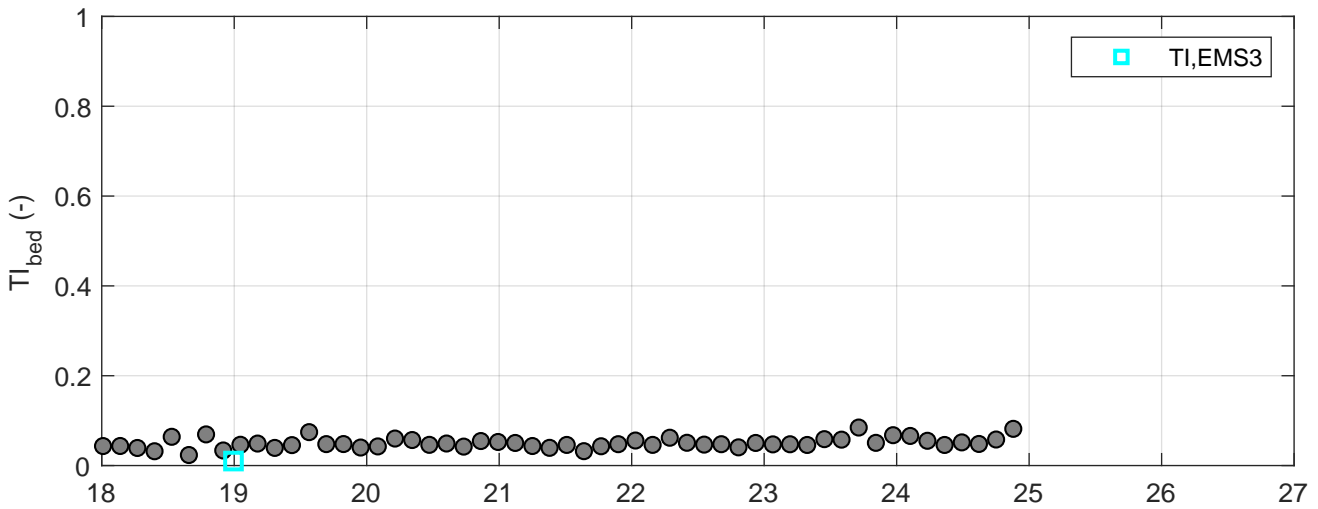
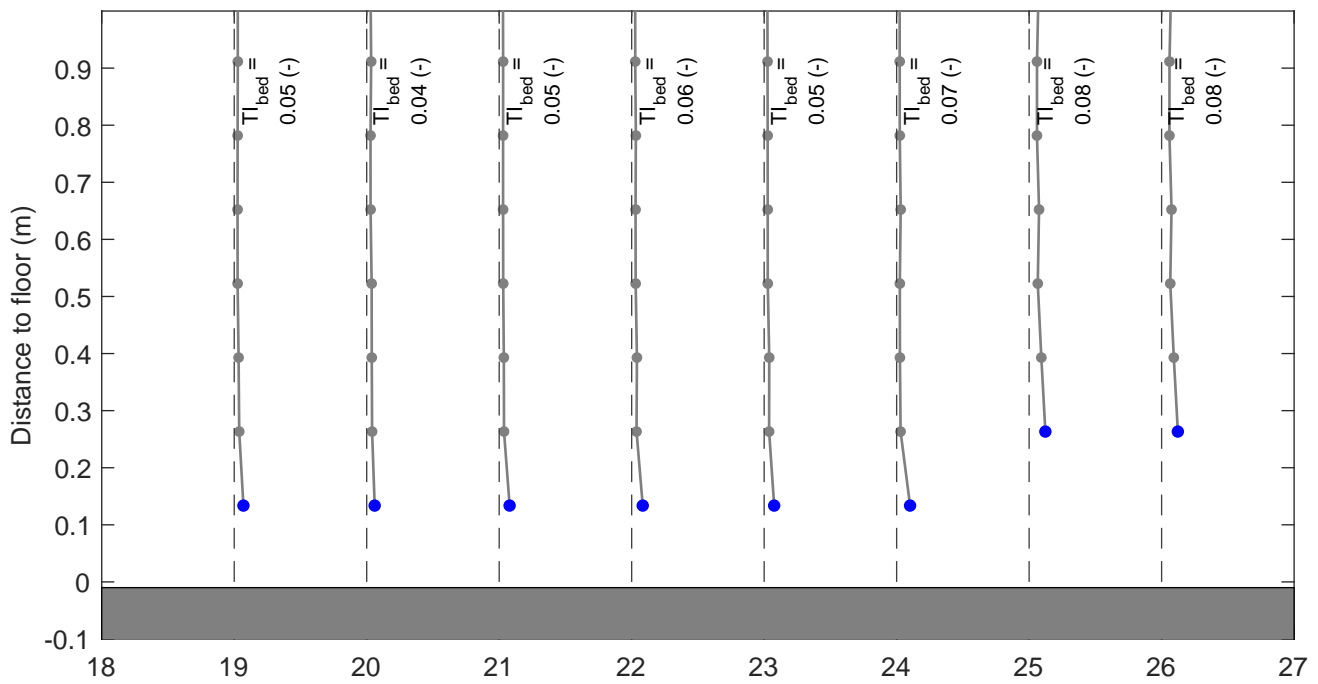
TKI-SOP

PIVSOP011

Deltares

11206641

Fig. J



Turbulence intensity profiles | Active thruster: BT2
 Maximum TI near bed and location in the vertical
 $\Delta x = 23.1$ m, $\Delta y = 0.0$ m, UKC = 2.4 m, $U_{BT2} = 5.6$ m/s

PIV, FOV3

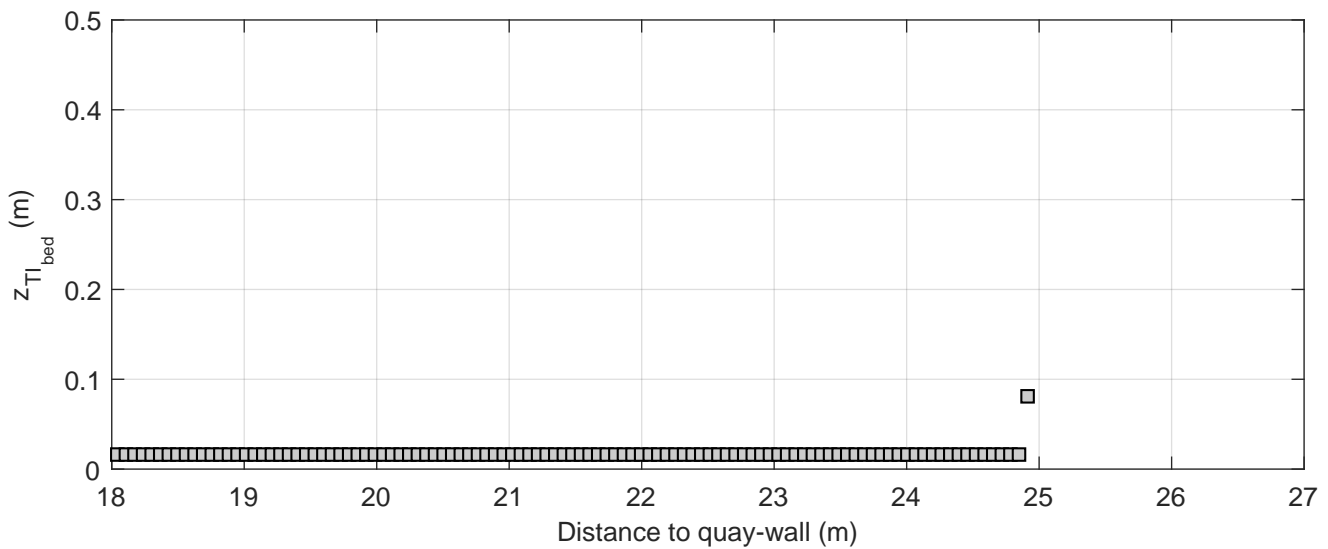
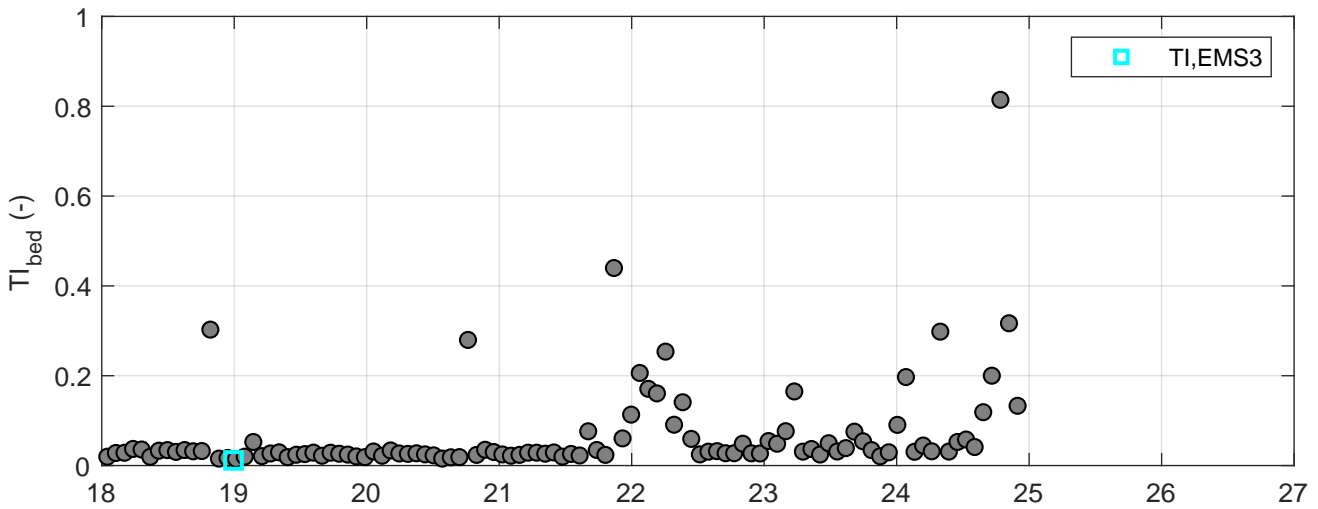
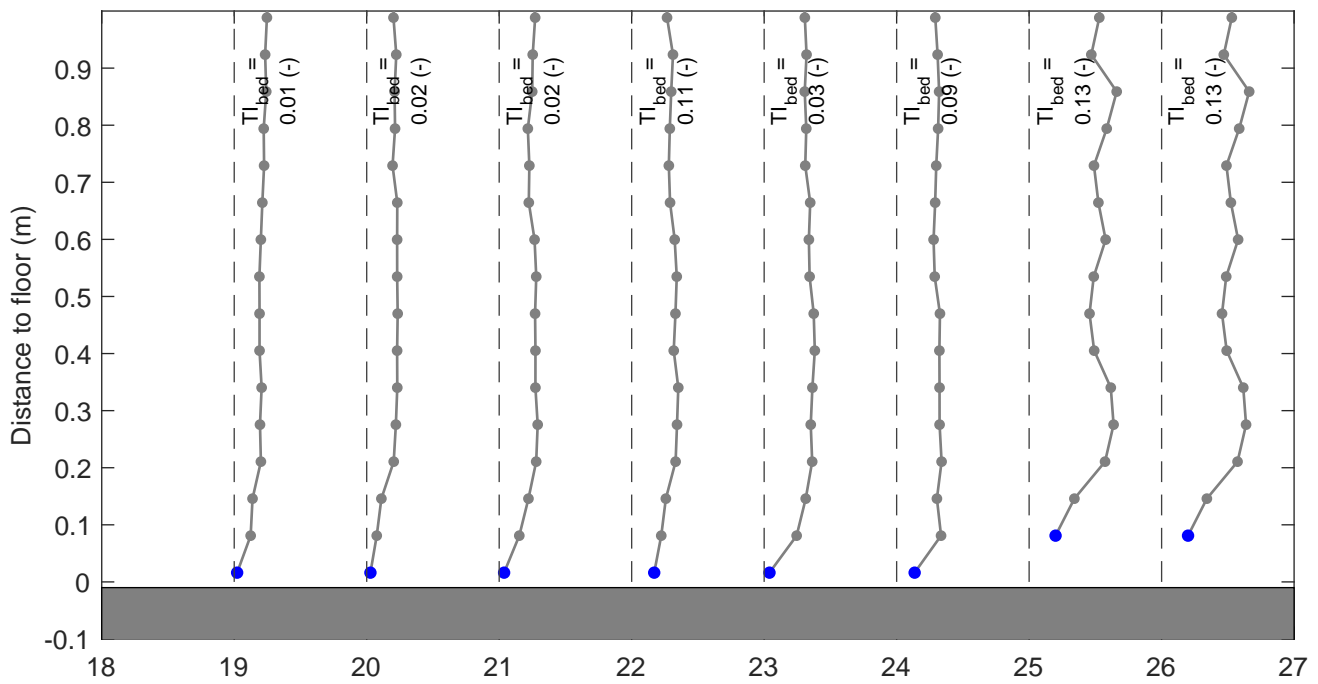
TKI-SOP

PIVSOP014

Deltares

11206641

Fig. J



Turbulence intensity profiles | Active thruster: BT2
 Maximum TI near bed and location in the vertical
 $\Delta x = 23.1$ m, $\Delta y = 0.0$ m, UKC = 2.4 m, $U_{BT2} = 3.9$ m/s

PIV, FOV3

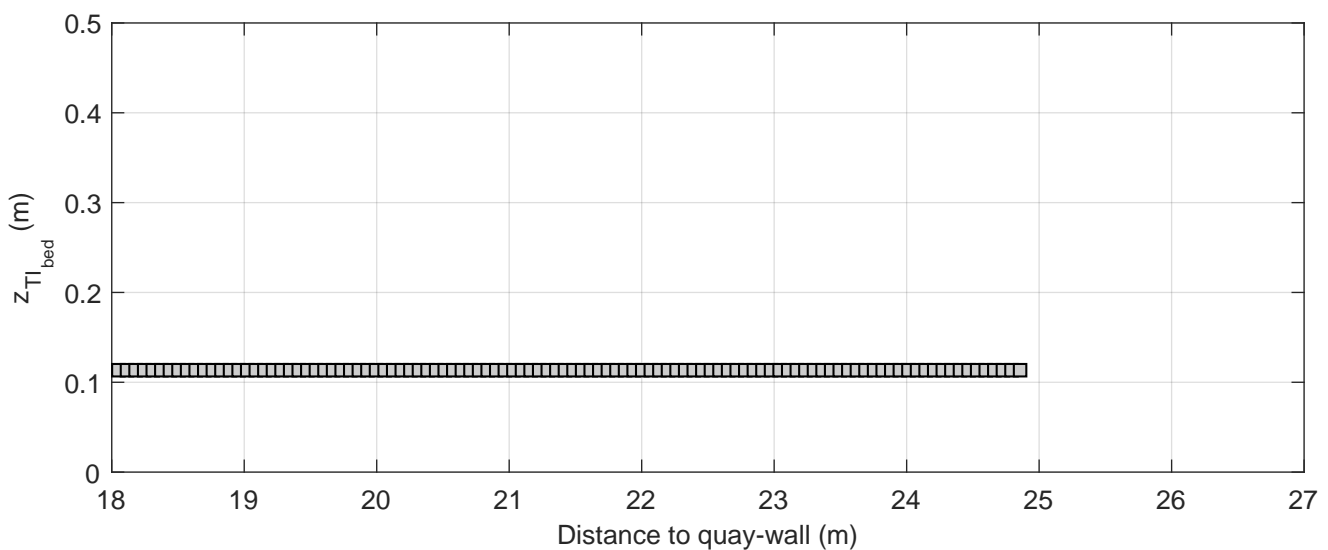
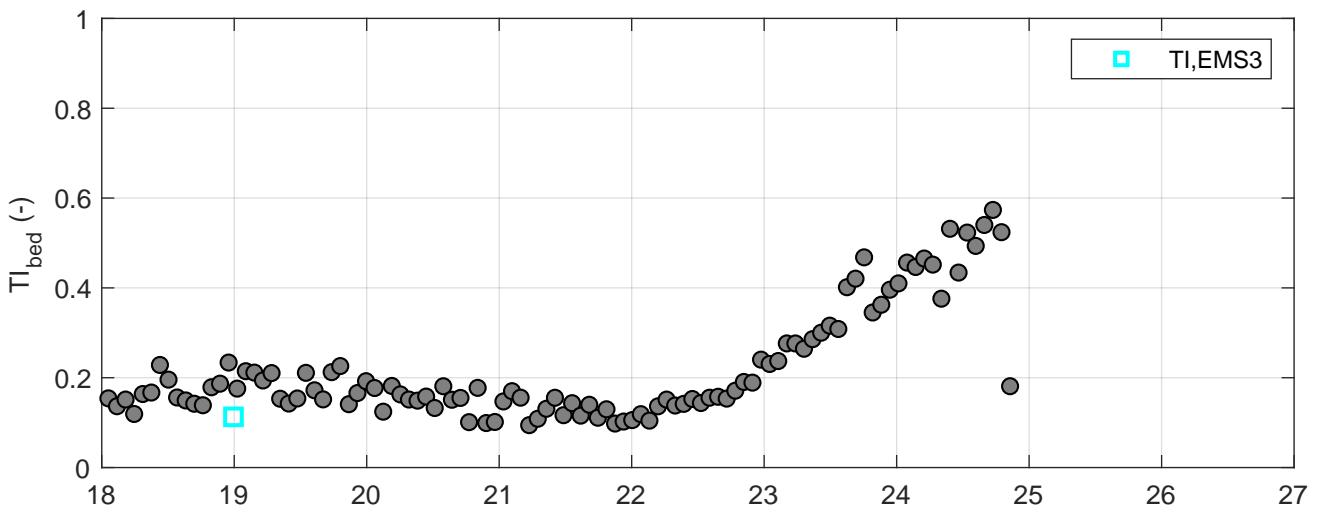
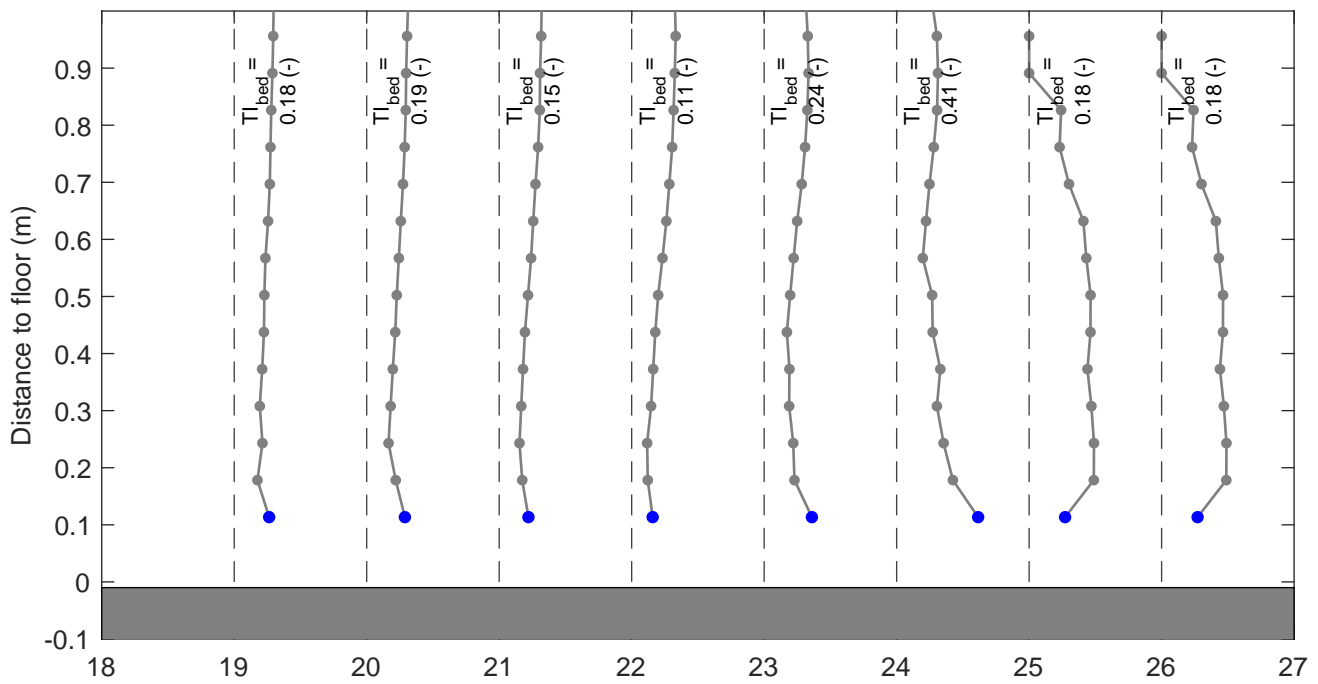
TKI-SOP

PIVSOP017

Deltares

11206641

Fig. J



Turbulence intensity profiles | Active thruster: BT2
 Maximum TI near bed and location in the vertical
 $\Delta x = 23.1 \text{ m}$, $\Delta y = 0.0 \text{ m}$, $UKC = 0.5 \text{ m}$, $U_{BT2} = 2.6 \text{ m/s}$

PIV, FOV3

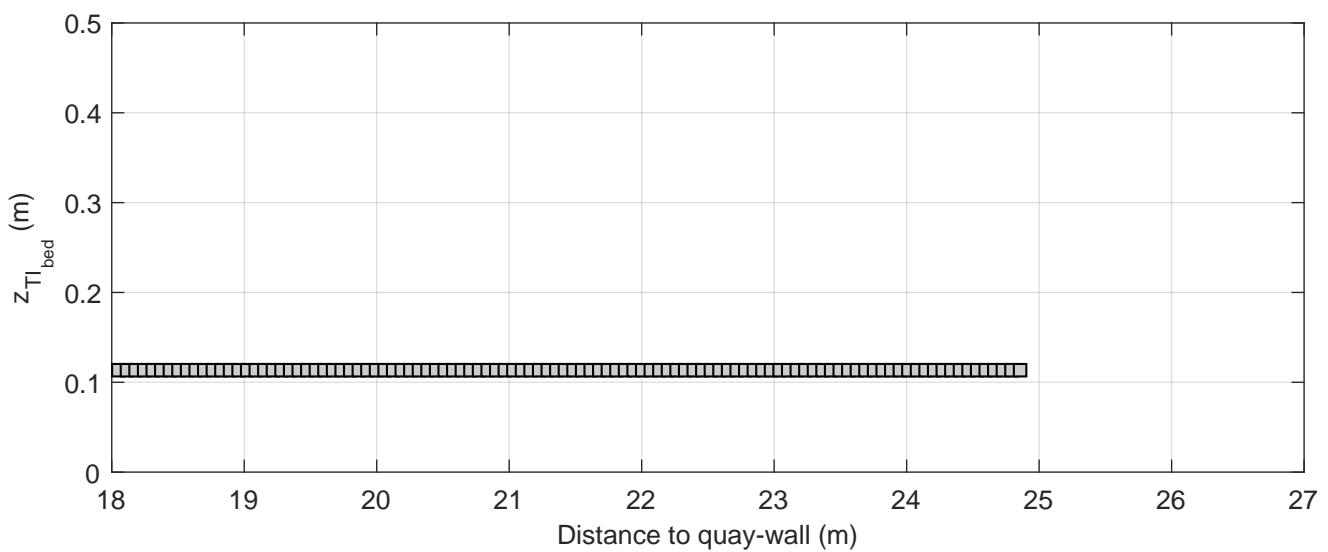
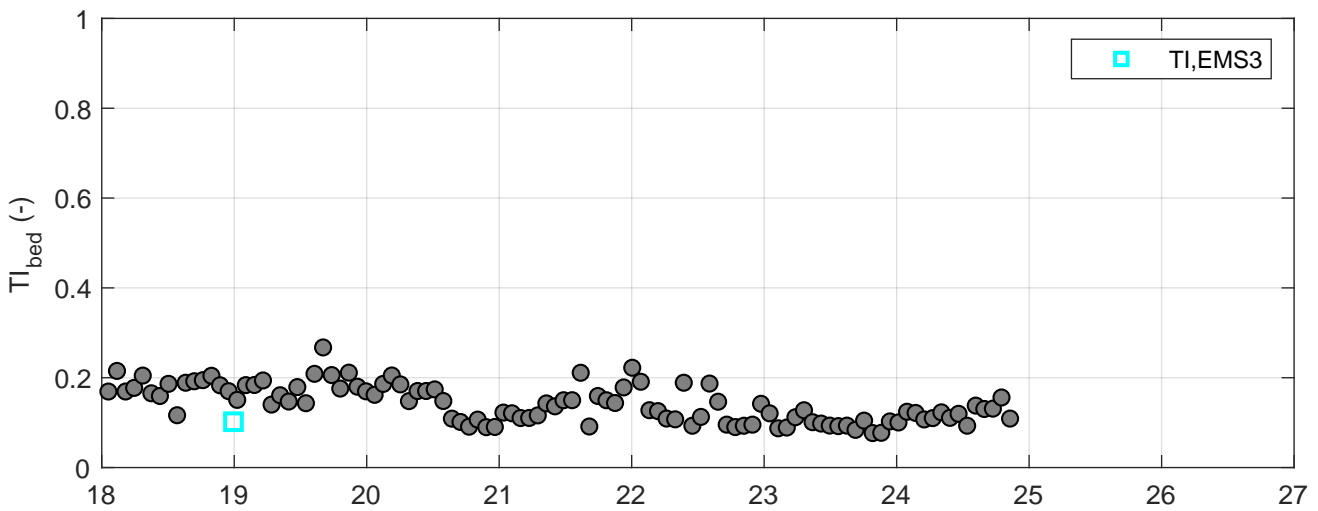
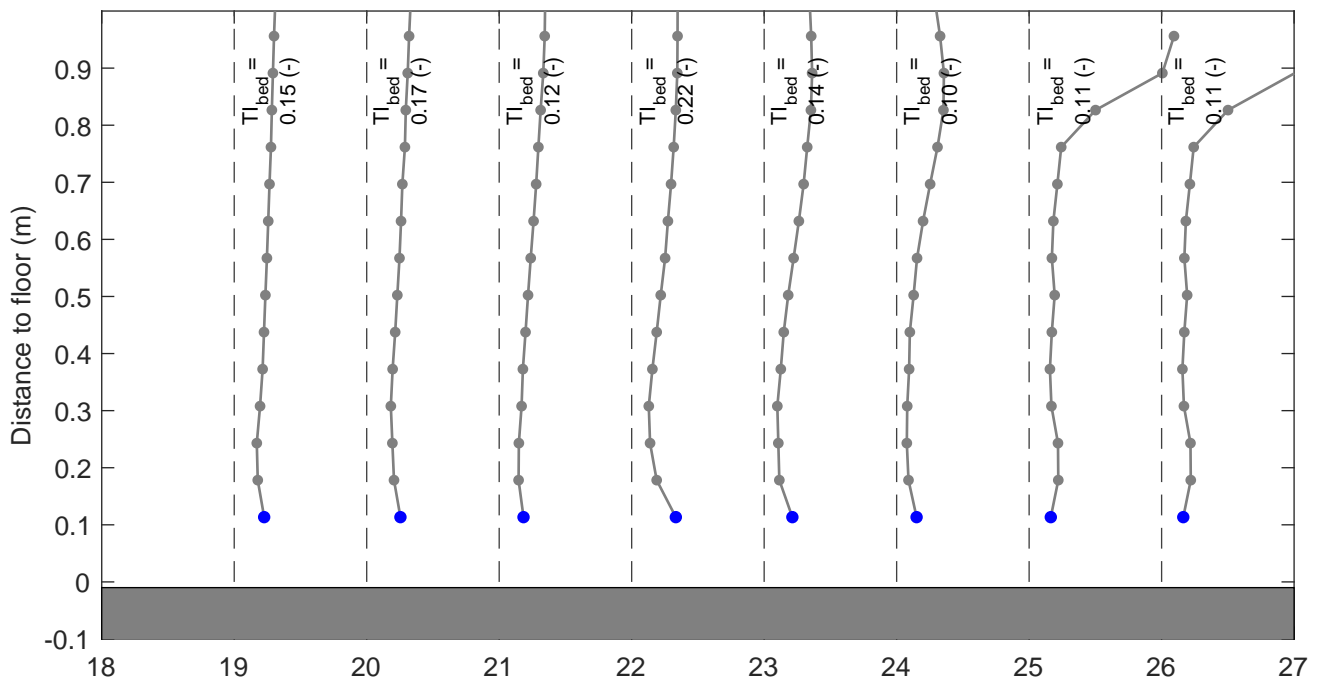
TKI-SOP

PIVSOP020

Deltares

11206641

Fig. J



Turbulence intensity profiles | Active thruster: BT2
 Maximum TI near bed and location in the vertical
 $\Delta x = 23.1$ m, $\Delta y = 0.0$ m, UKC = 0.5 m, $U_{BT2} = 3.8$ m/s

PIV, FOV3

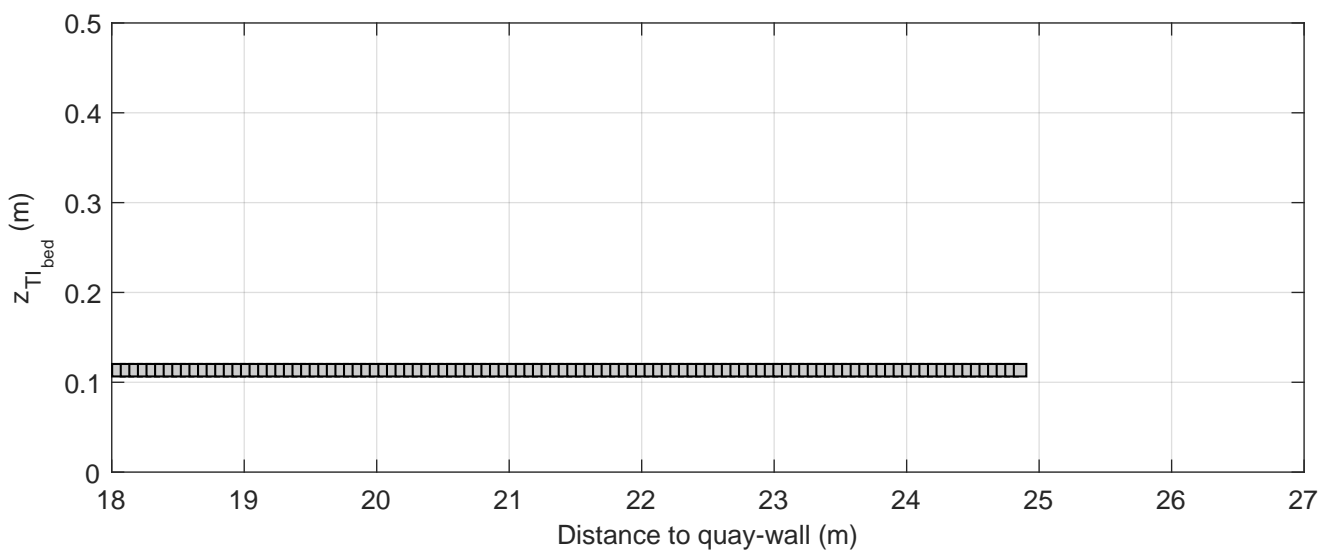
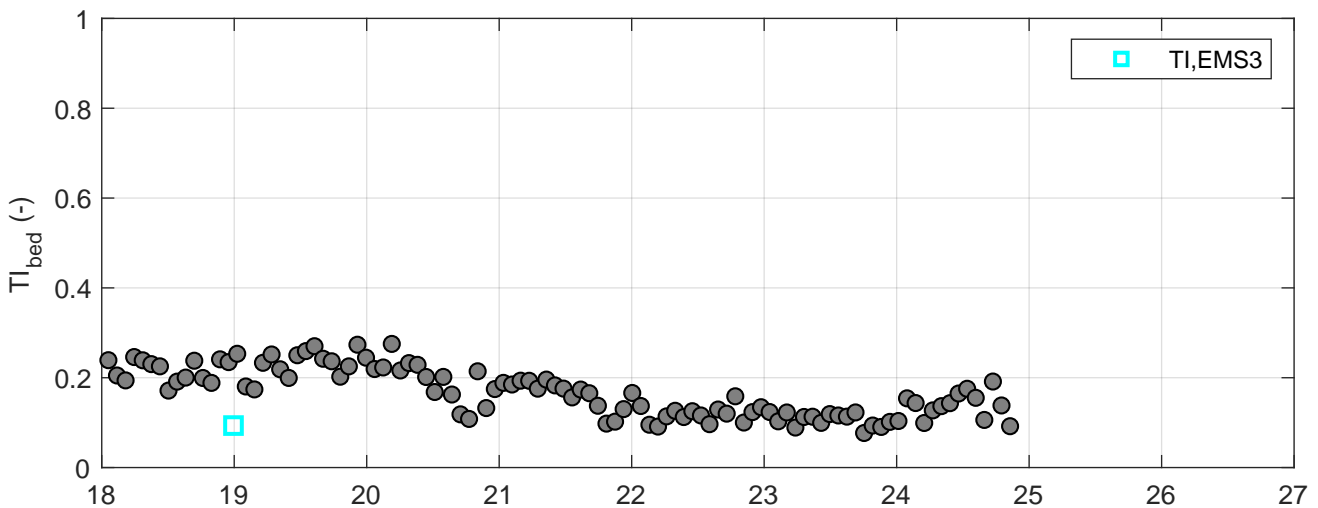
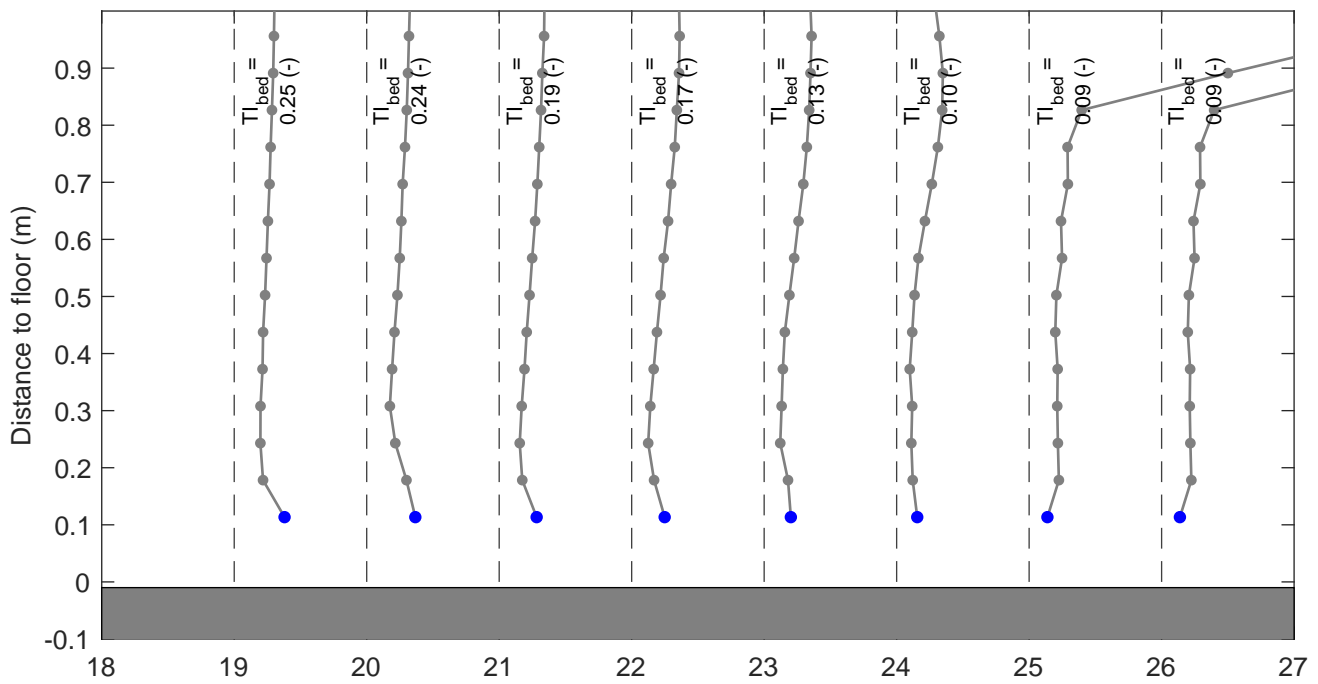
TKI-SOP

PIVSOP023

Deltares

11206641

Fig. J



Turbulence intensity profiles | Active thruster: BT2
 Maximum TI near bed and location in the vertical
 $\Delta x = 23.1$ m, $\Delta y = 0.0$ m, UKC = 0.5 m, $U_{BT2} = 5.3$ m/s

PIV, FOV3

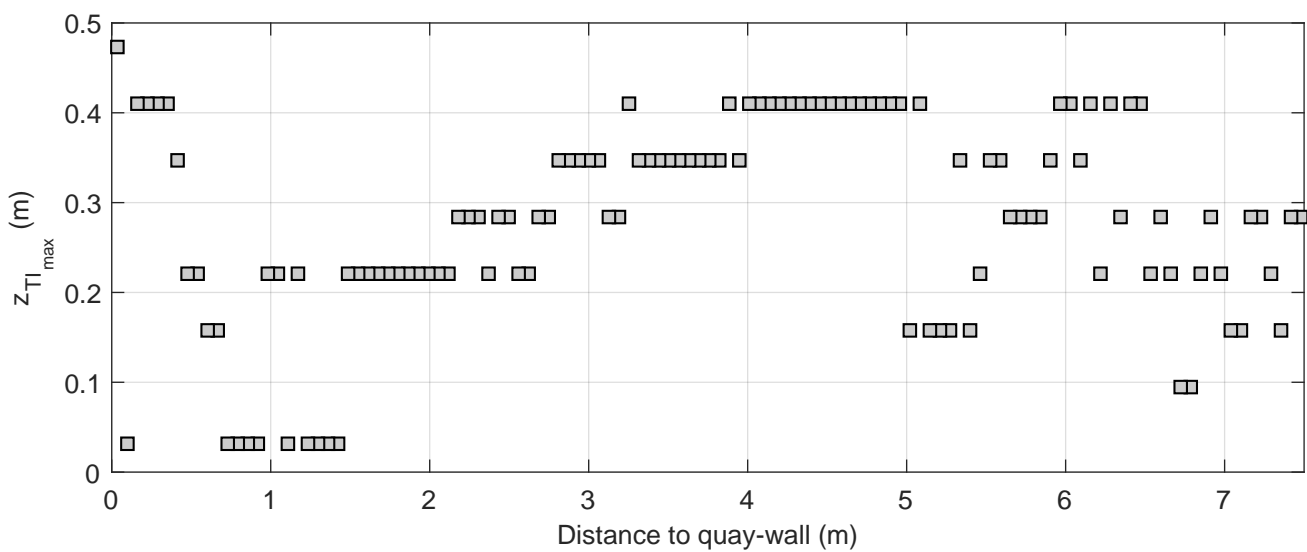
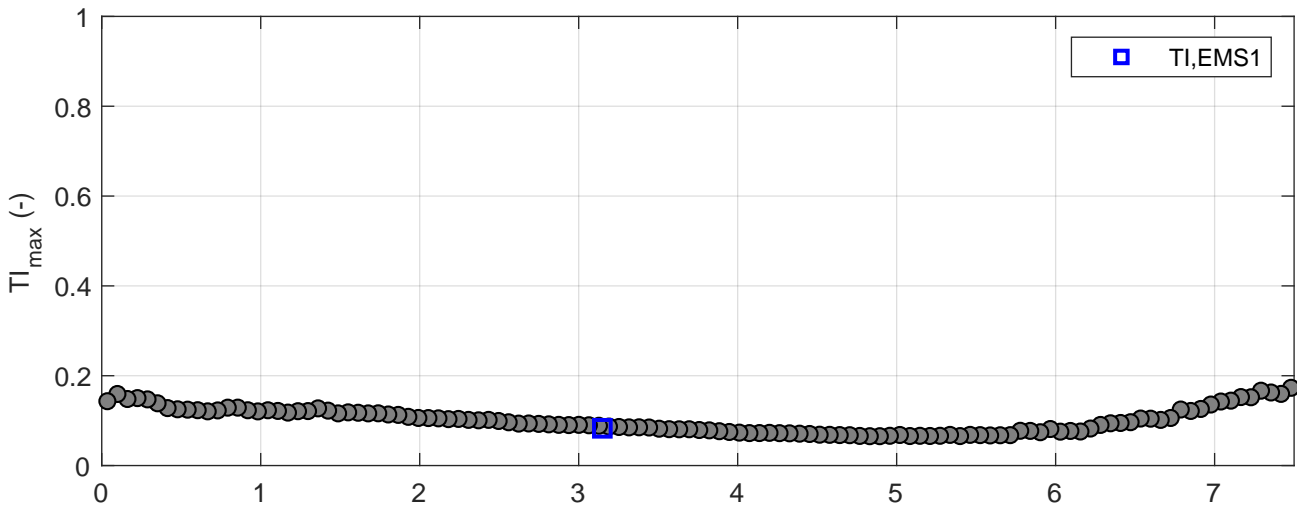
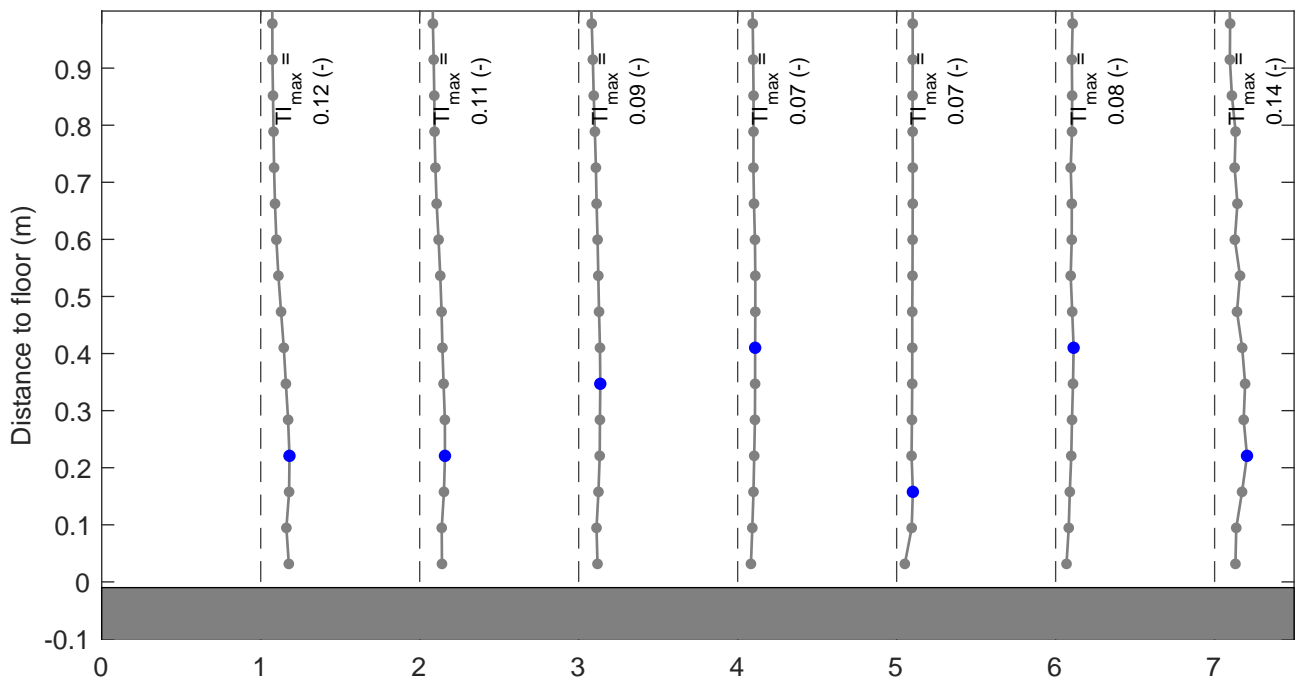
TKI-SOP

PIVSOP026

Deltares

11206641

Fig. J



Turbulence intensity profiles | Active thruster: BT2
 Maximum TI near bed and location in the vertical
 $\Delta x = 0.8 \text{ m}$, $\Delta y = 0.0 \text{ m}$, $UKC = 2.4 \text{ m}$, $U_{BT2} = 2.6 \text{ m/s}$

PIV, FOV1

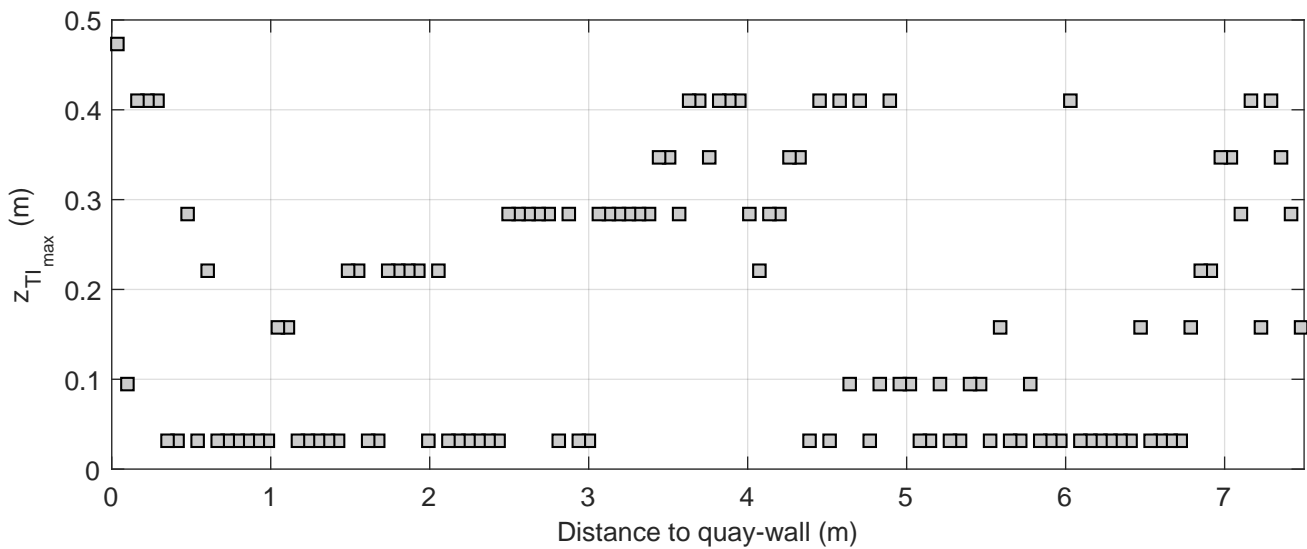
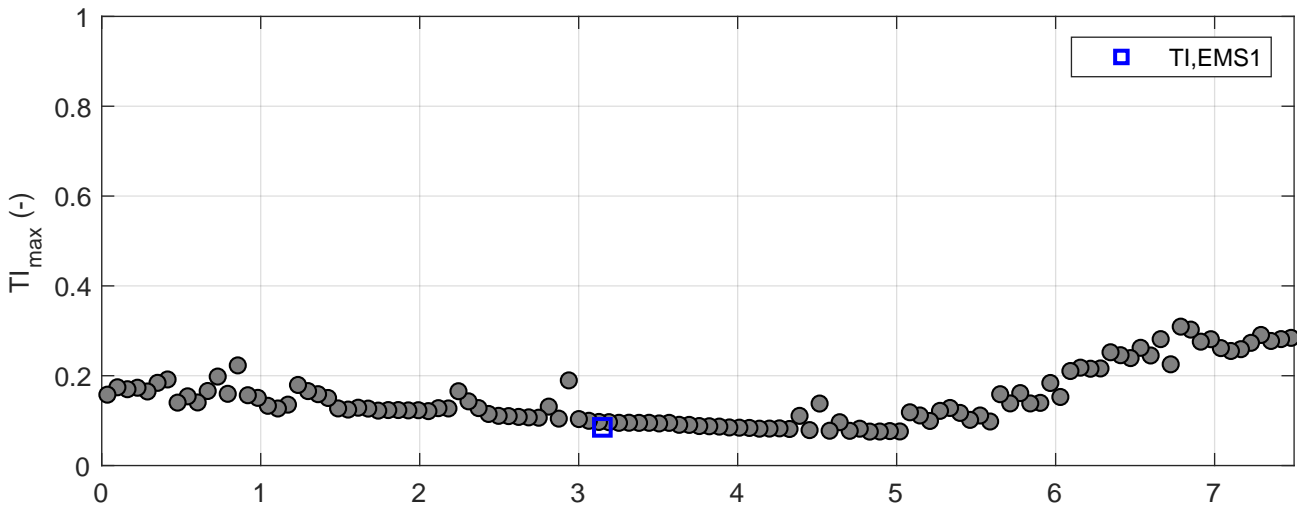
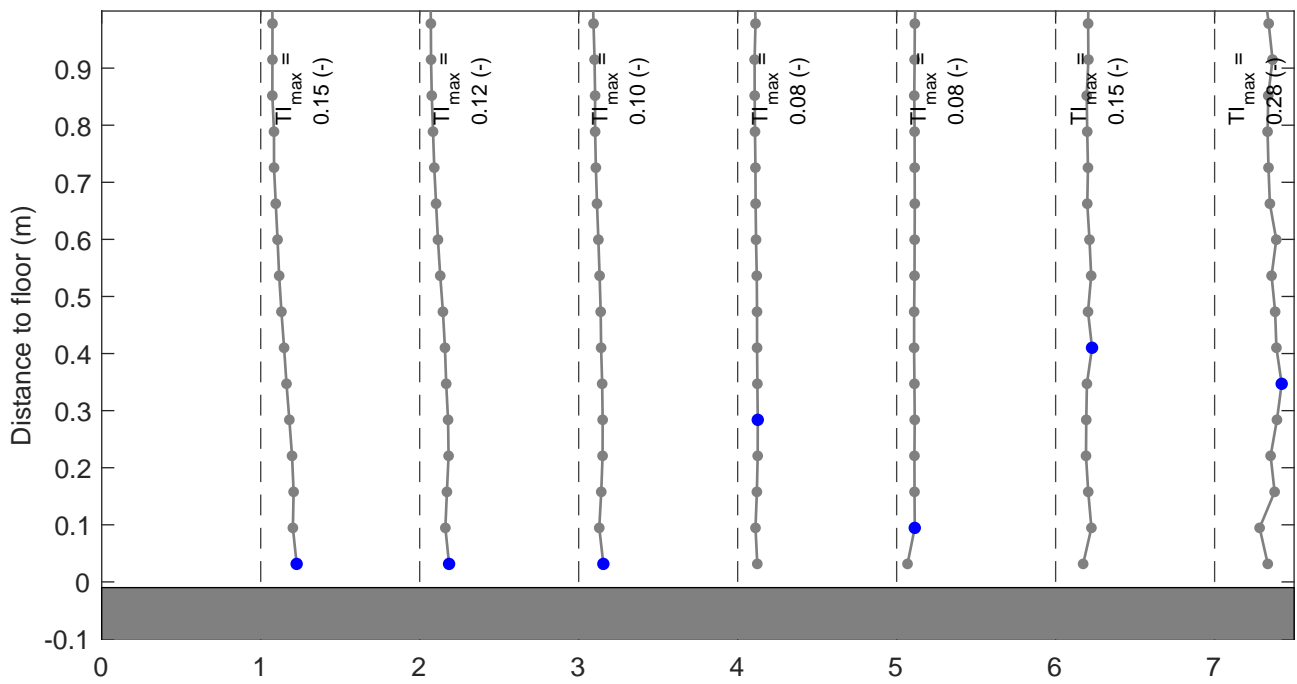
TKI-SOP

PIVSOP029

Deltares

11206641

Fig. J



Turbulence intensity profiles | Active thruster: BT2
 Maximum TI near bed and location in the vertical
 $\Delta x = 0.8 \text{ m}$, $\Delta y = 0.0 \text{ m}$, $UKC = 2.4 \text{ m}$, $U_{BT2} = 3.9 \text{ m/s}$

PIV, FOV1

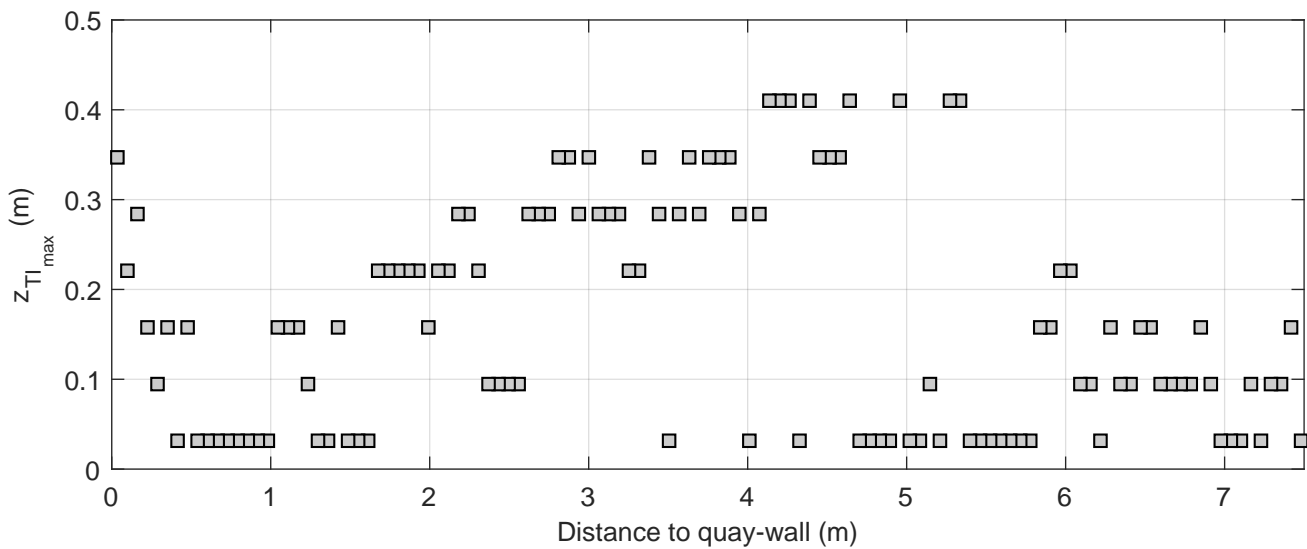
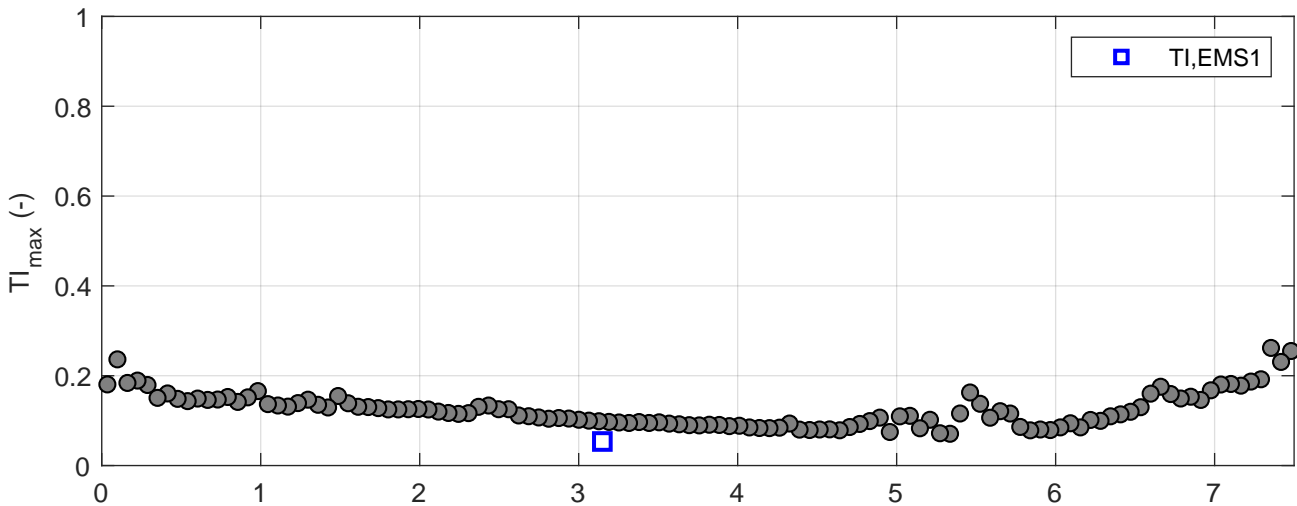
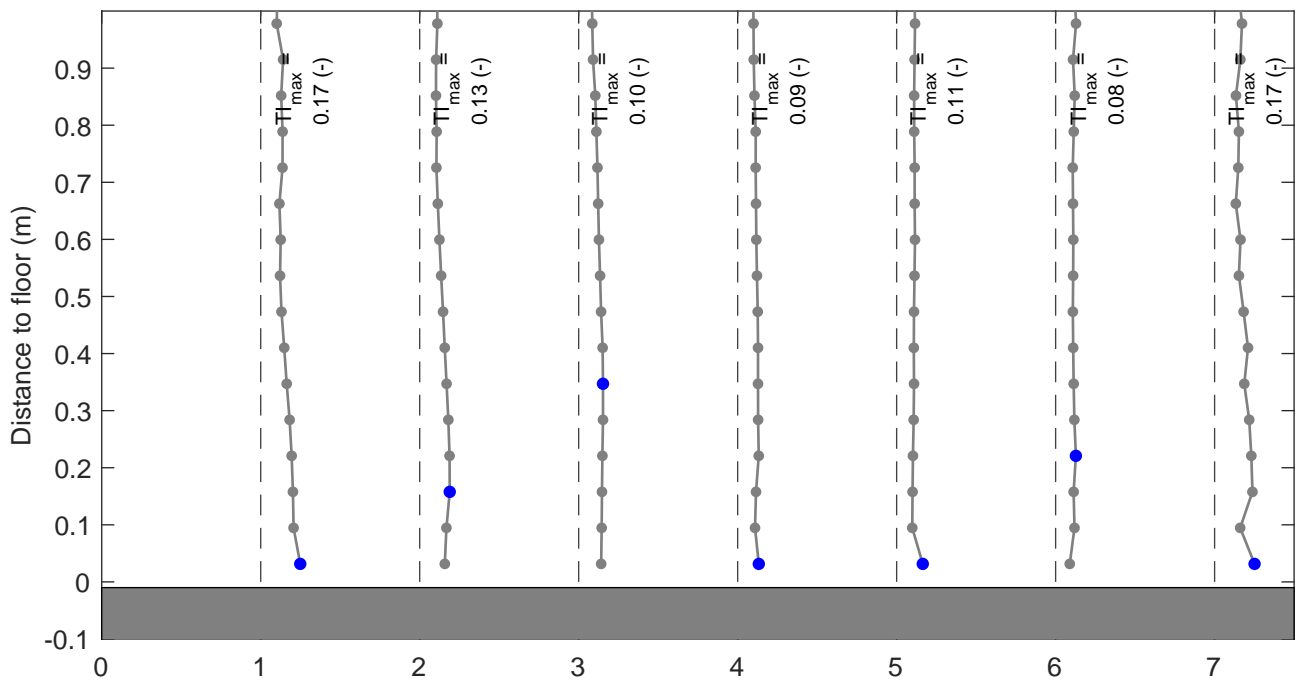
TKI-SOP

PIVSOP032

Deltares

11206641

Fig. J



Turbulence intensity profiles | Active thruster: BT2
 Maximum TI near bed and location in the vertical
 $\Delta x = 0.8 \text{ m}$, $\Delta y = 0.0 \text{ m}$, $UKC = 2.4 \text{ m}$, $U_{BT2} = 4.7 \text{ m/s}$

PIV, FOV1

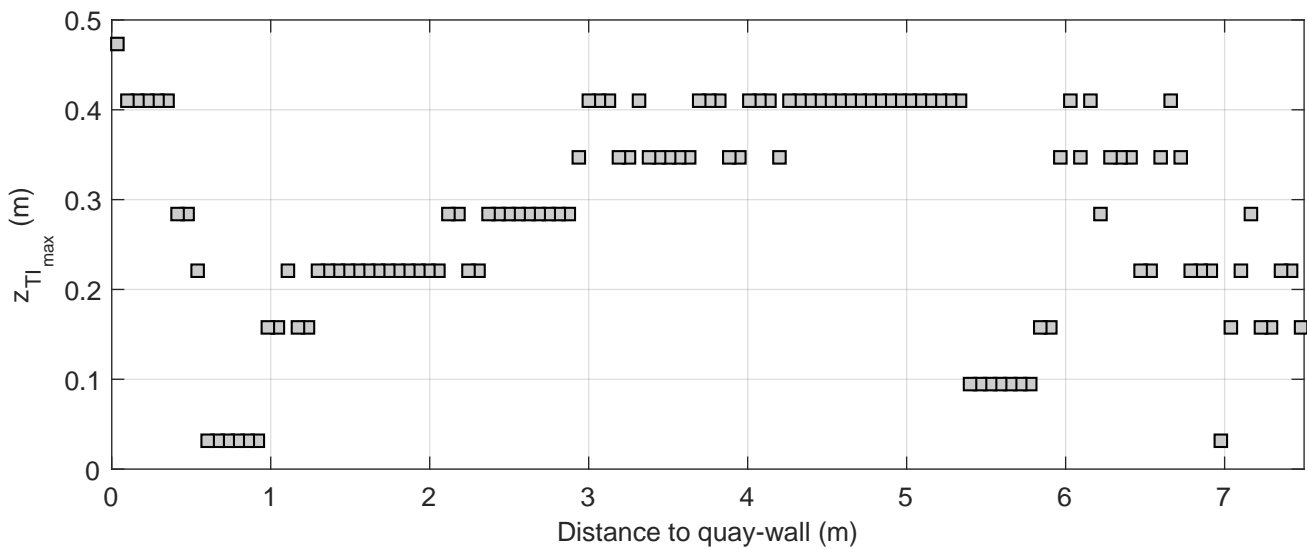
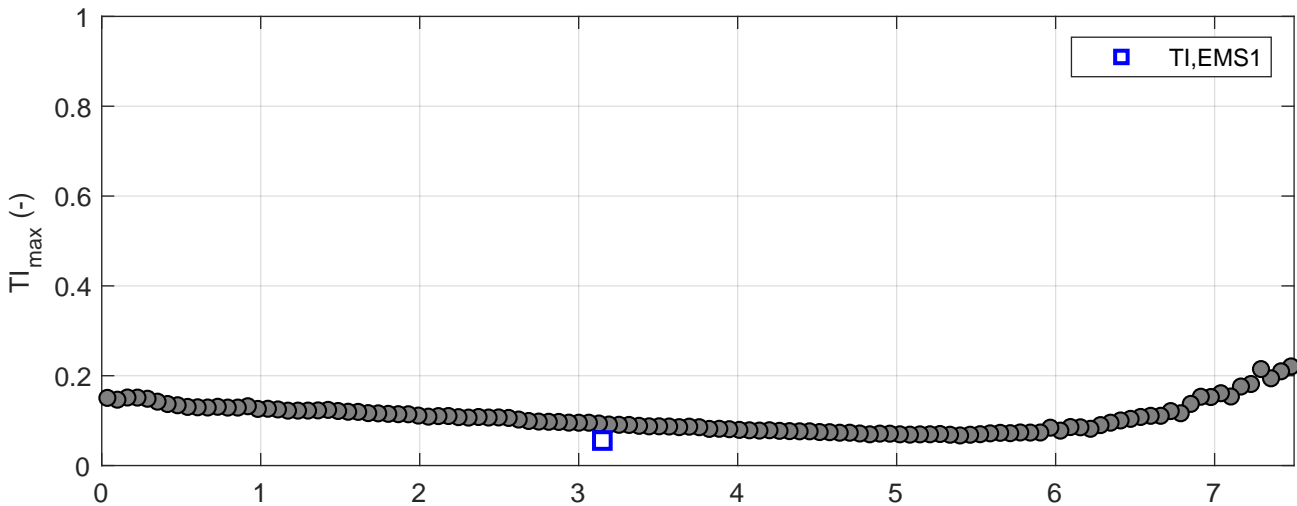
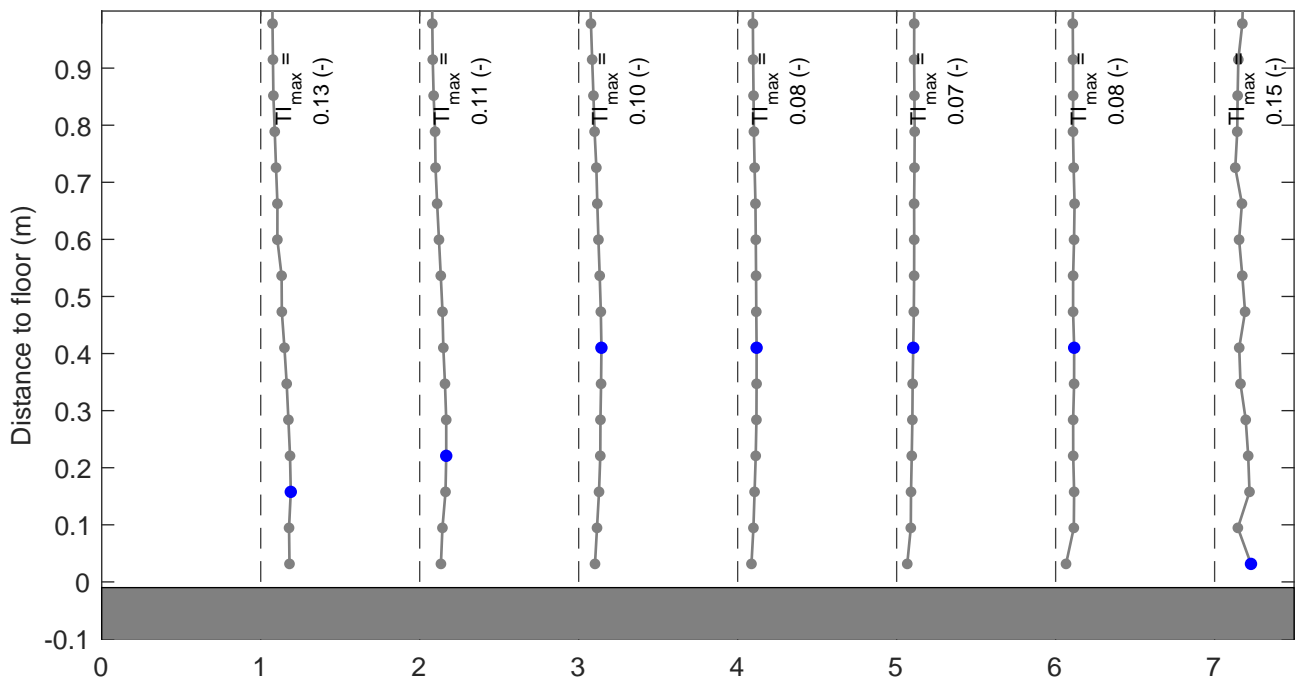
TKI-SOP

PIVSOP037

Deltares

11206641

Fig. J



Turbulence intensity profiles | Active thruster: BT2
 Maximum TI near bed and location in the vertical
 $\Delta x = 0.8 \text{ m}$, $\Delta y = 0.0 \text{ m}$, $UKC = 2.4 \text{ m}$, $U_{BT2} = 3.7 \text{ m/s}$

PIV, FOV1

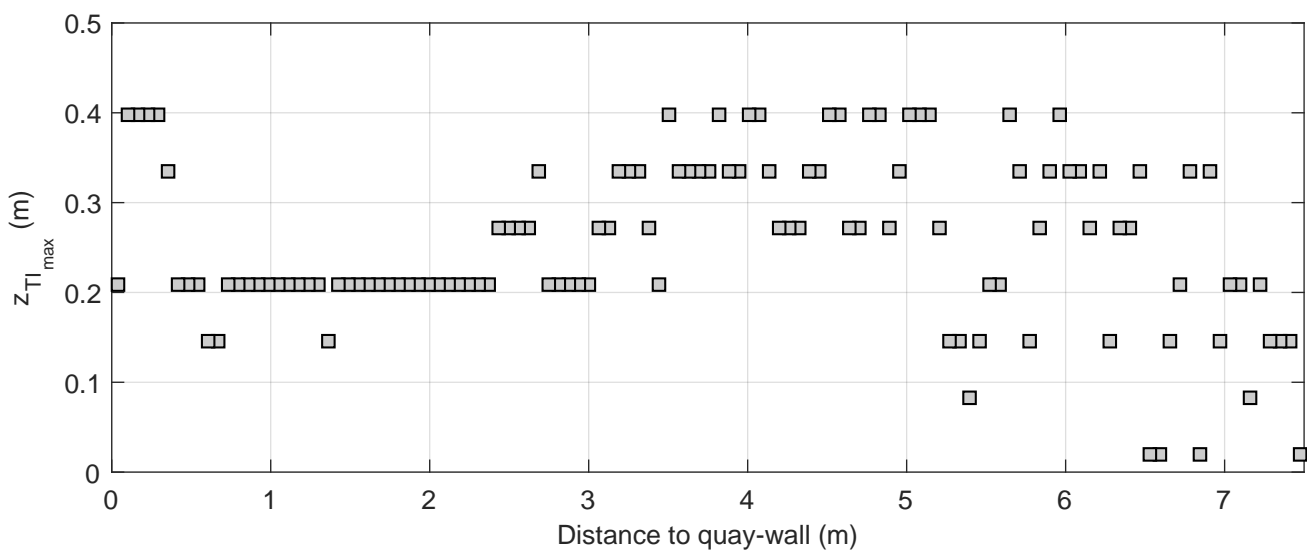
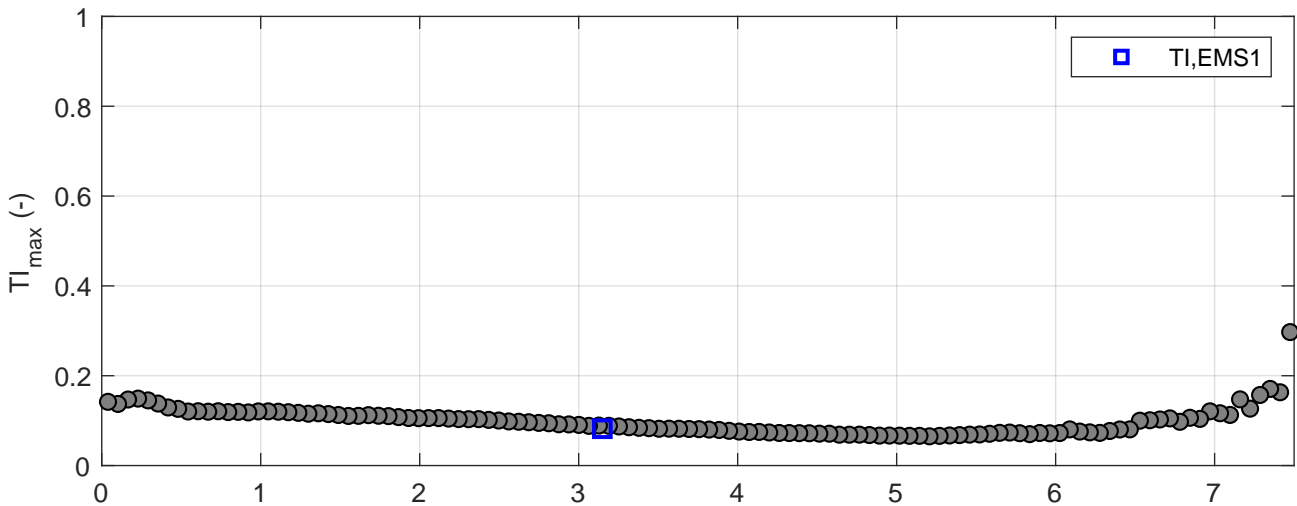
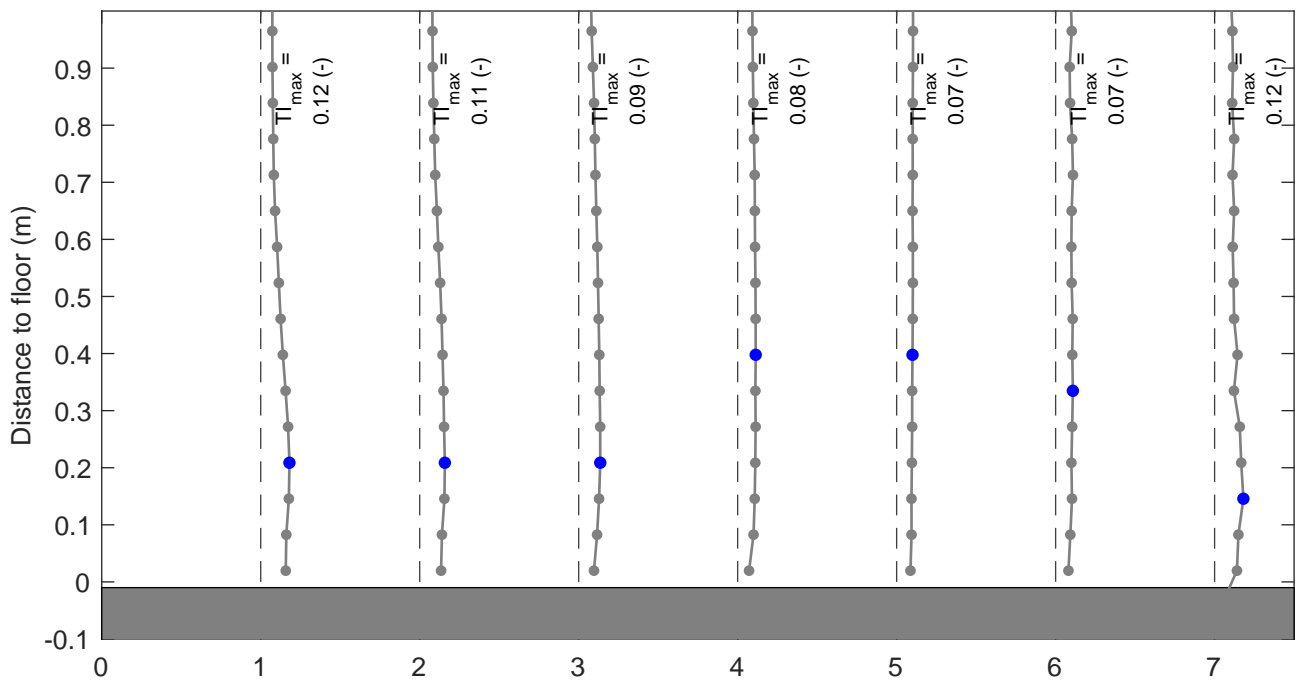
TKI-SOP

PIVSOP040

Deltares

11206641

Fig. J



Turbulence intensity profiles | Active thruster: BT2
 Maximum TI near bed and location in the vertical
 $\Delta x = 0.8 \text{ m}$, $\Delta y = 0.0 \text{ m}$, $UKC = 2.4 \text{ m}$, $U_{BT2} = 2.6 \text{ m/s}$

PIV, FOV1

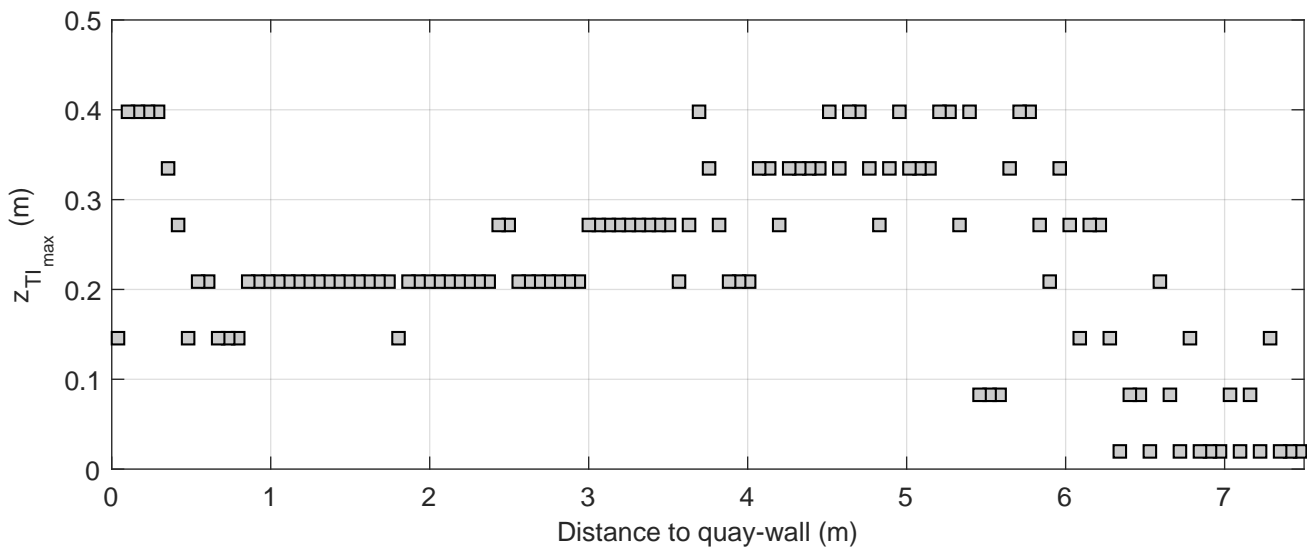
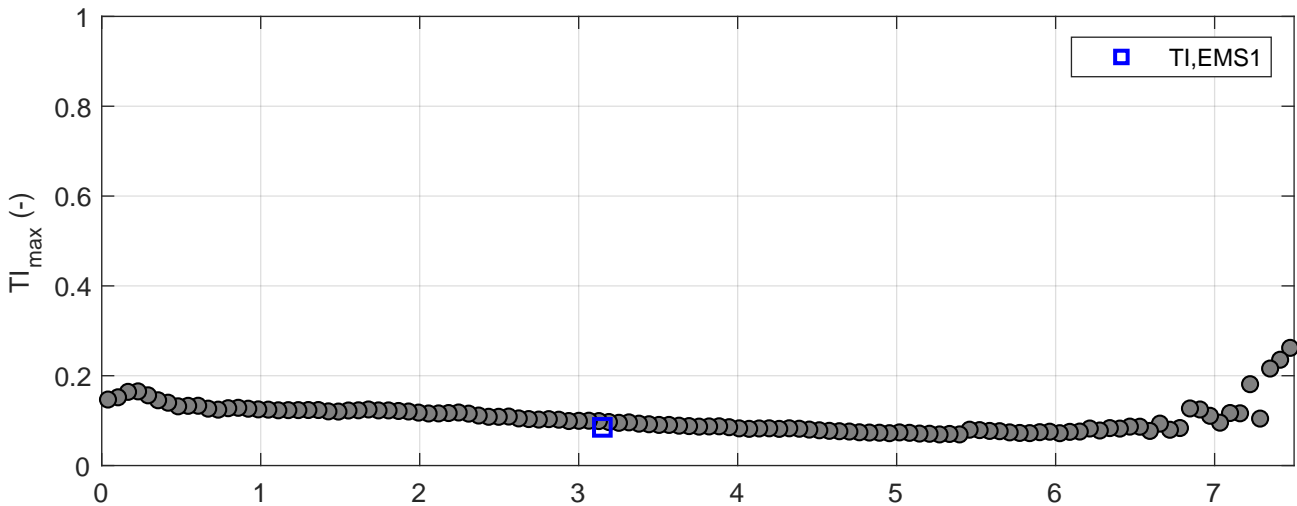
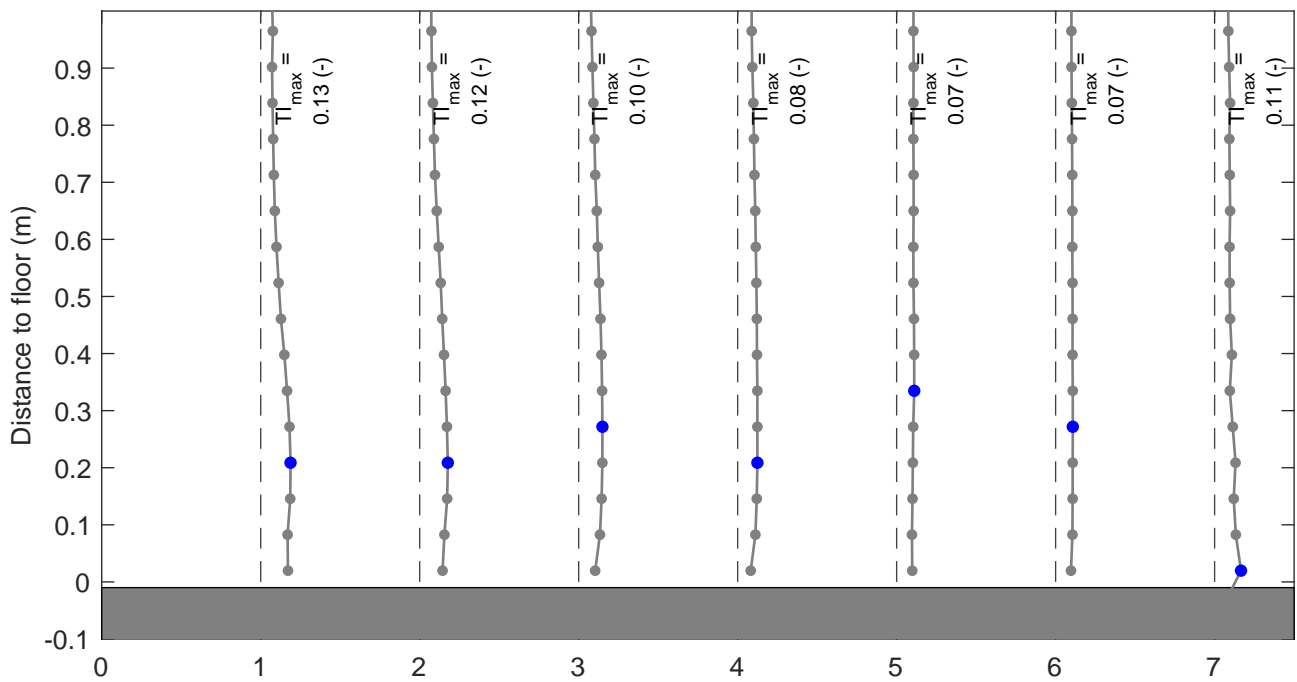
TKI-SOP

PIVSOP052

Deltares

11206641

Fig. J



Turbulence intensity profiles | Active thruster: BT2
 Maximum TI near bed and location in the vertical
 $\Delta x = 0.8 \text{ m}$, $\Delta y = 0.0 \text{ m}$, $UKC = 2.4 \text{ m}$, $U_{BT2} = 3.8 \text{ m/s}$

PIV, FOV1

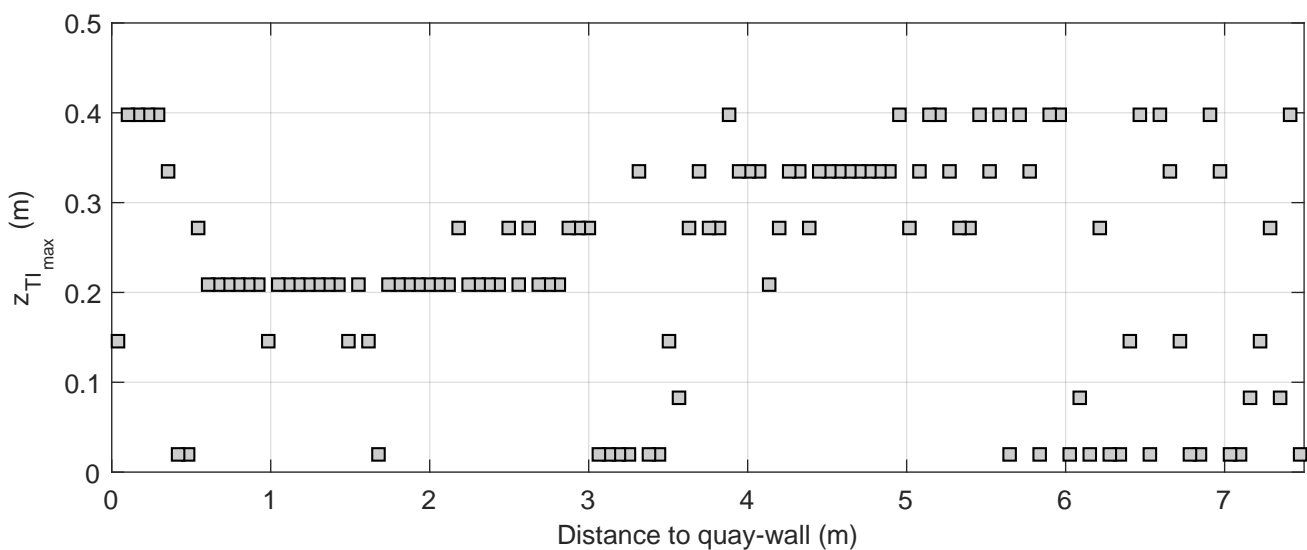
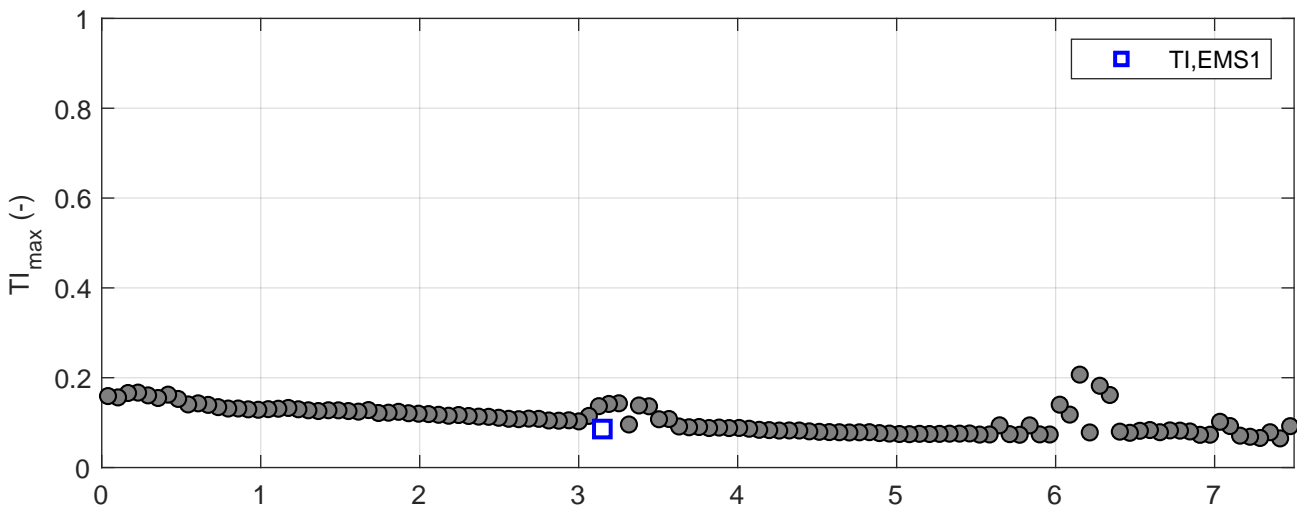
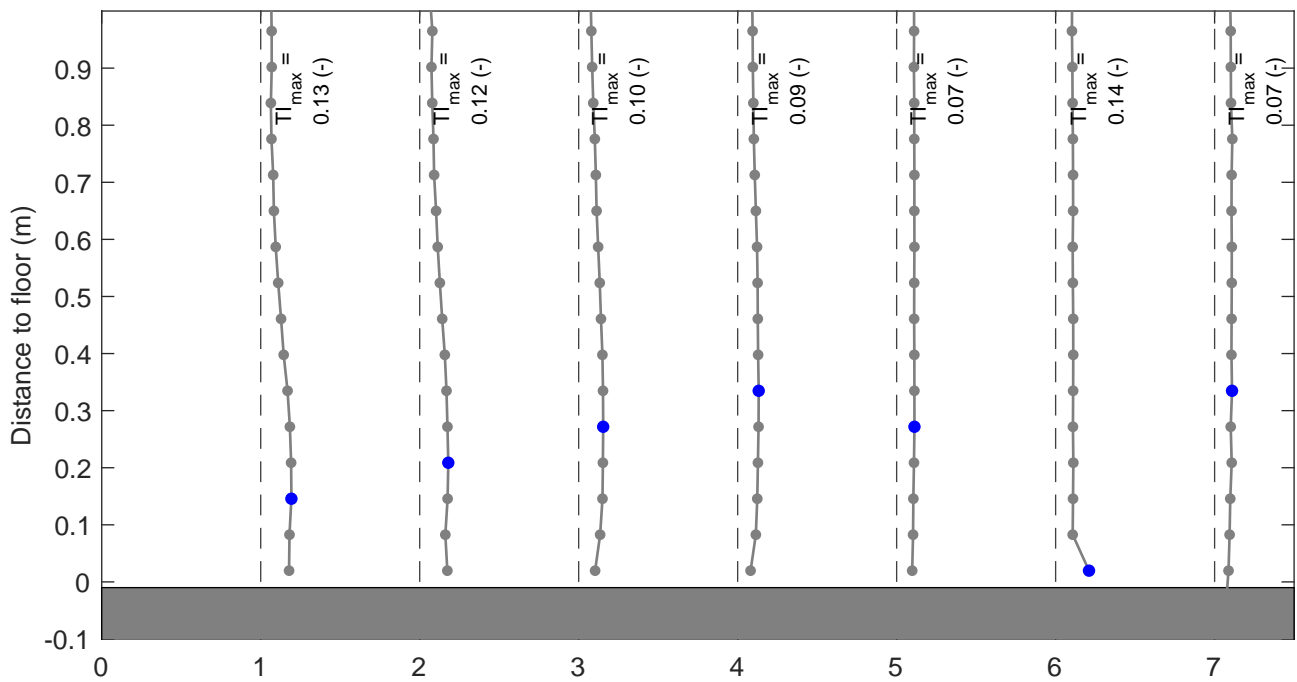
TKI-SOP

PIVSOP055

Deltares

11206641

Fig. J



Turbulence intensity profiles | Active thruster: BT2
 Maximum TI near bed and location in the vertical
 $\Delta x = 0.8 \text{ m}$, $\Delta y = 0.0 \text{ m}$, $UKC = 2.4 \text{ m}$, $U_{BT2} = 4.8 \text{ m/s}$

PIV, FOV1

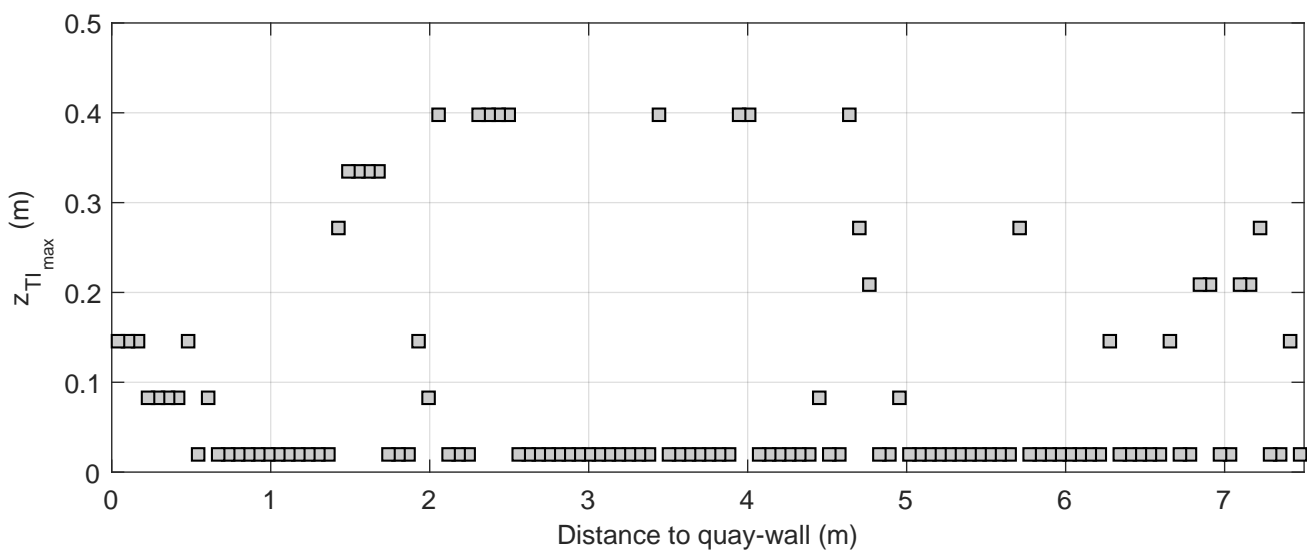
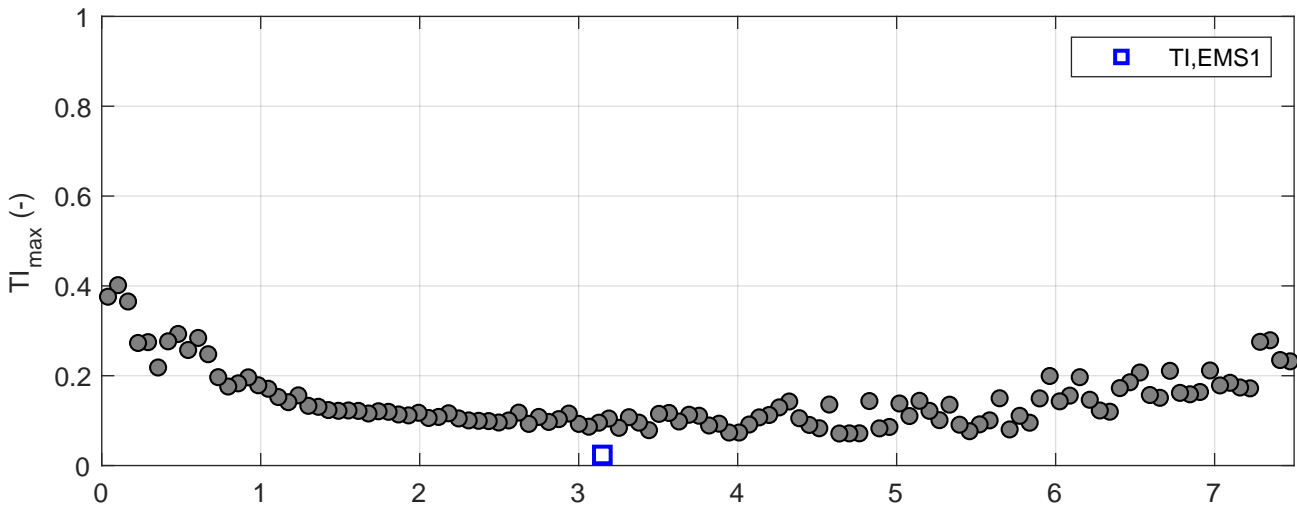
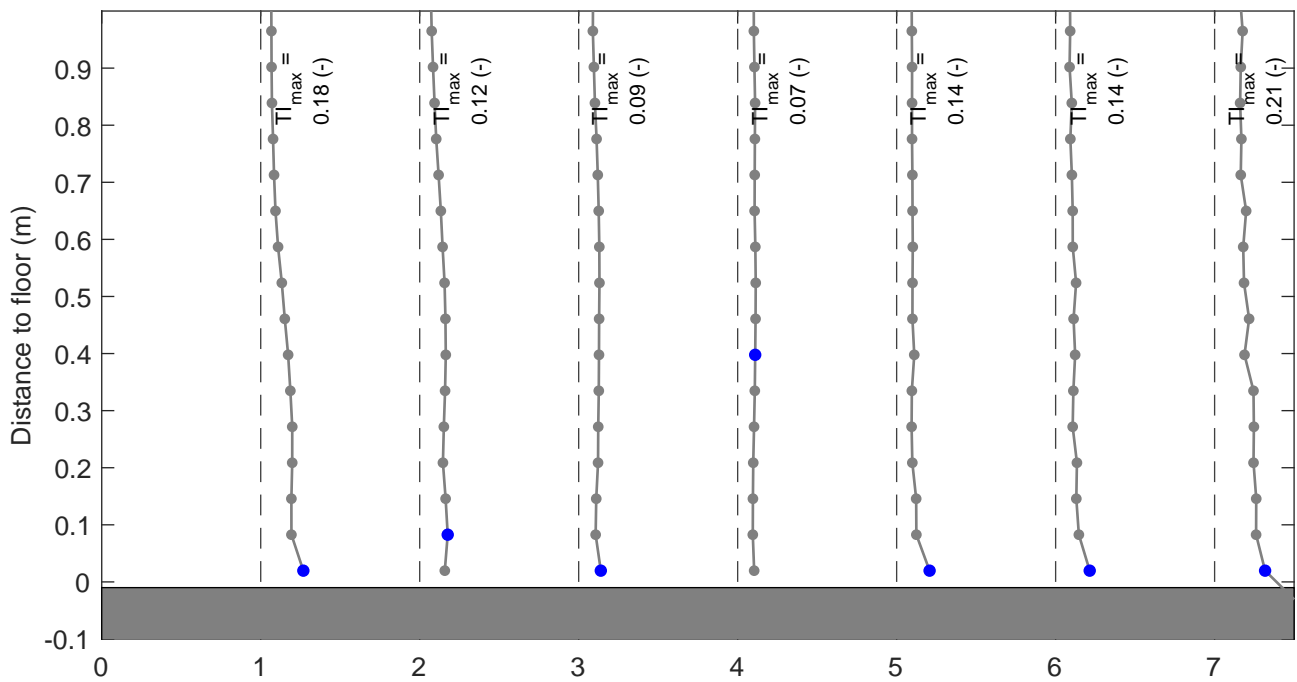
TKI-SOP

PIVSOP057

Deltares

11206641

Fig. J



Turbulence intensity profiles | Active thruster: BT2
 Maximum TI near bed and location in the vertical
 $\Delta x = 0.8 \text{ m}$, $\Delta y = 0.0 \text{ m}$, $UKC = 2.4 \text{ m}$, $U_{BT2} = 4.9 \text{ m/s}$

PIV, FOV1

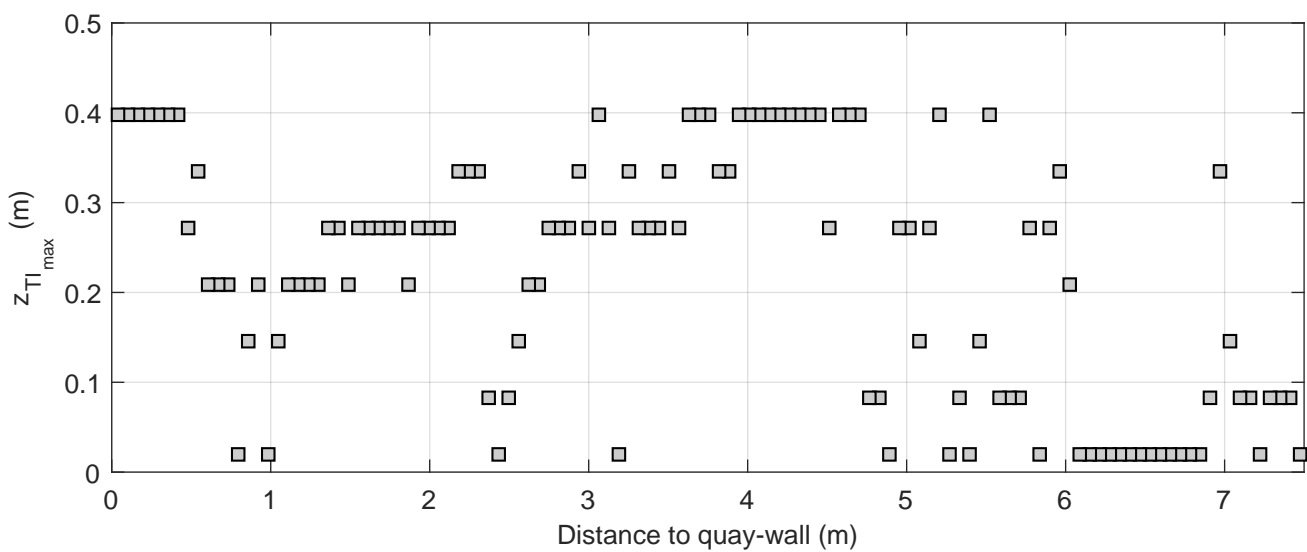
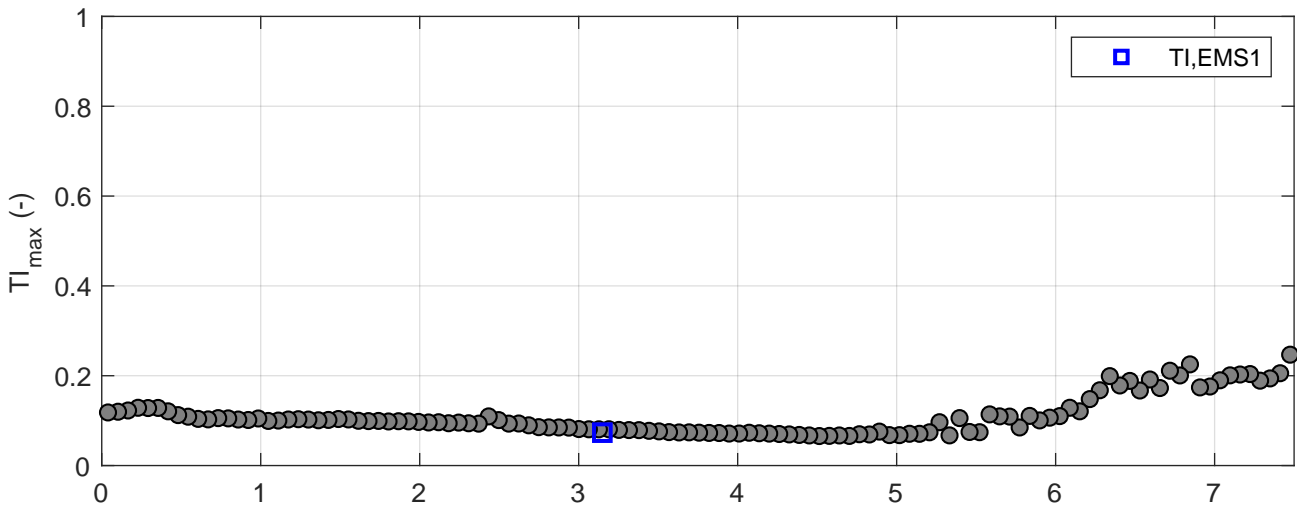
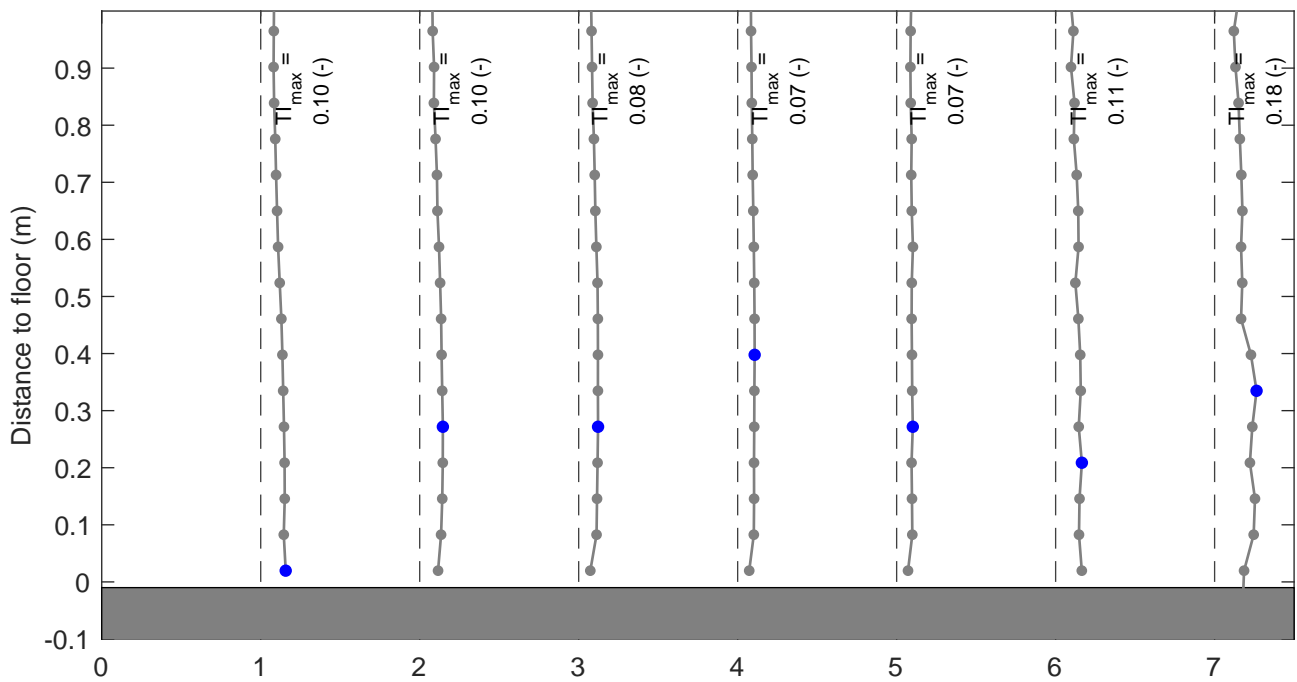
TKI-SOP

PIVSOP060

Deltares

11206641

Fig. J



Turbulence intensity profiles | Active thruster: BT2
 Maximum TI near bed and location in the vertical
 $\Delta x = 0.8 \text{ m}$, $\Delta y = 2.0 \text{ m}$, $UKC = 2.4 \text{ m}$, $U_{BT2} = 2.7 \text{ m/s}$

PIV, FOV1

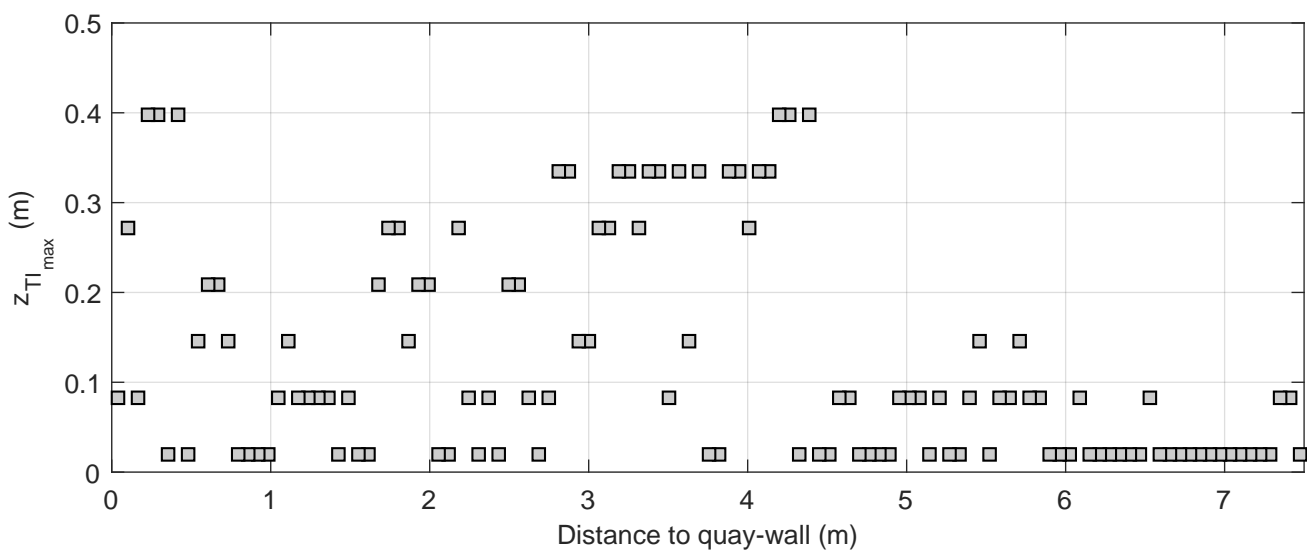
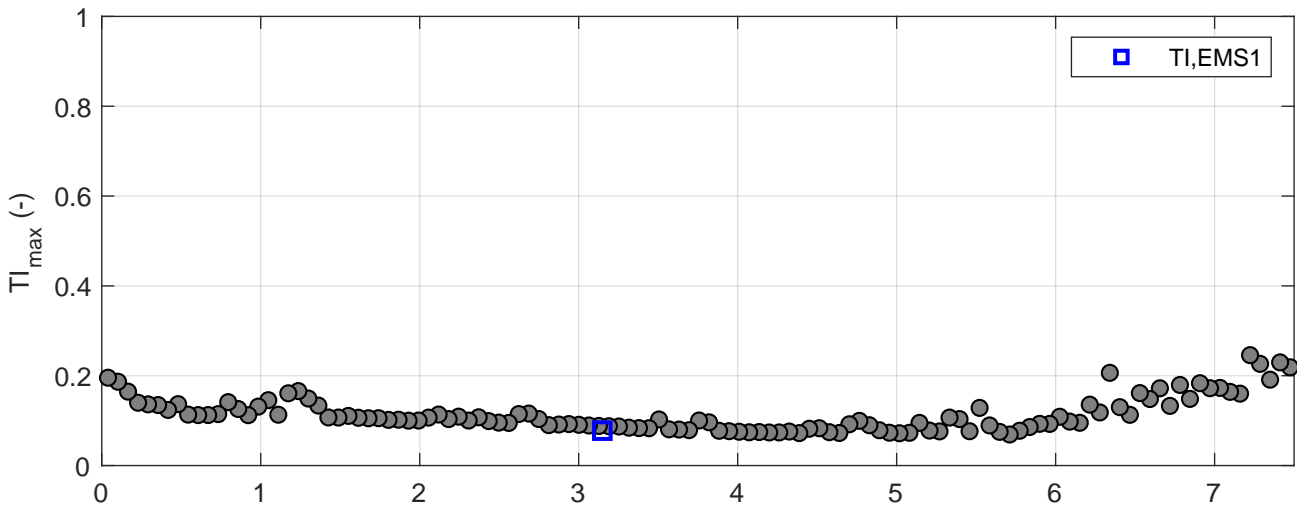
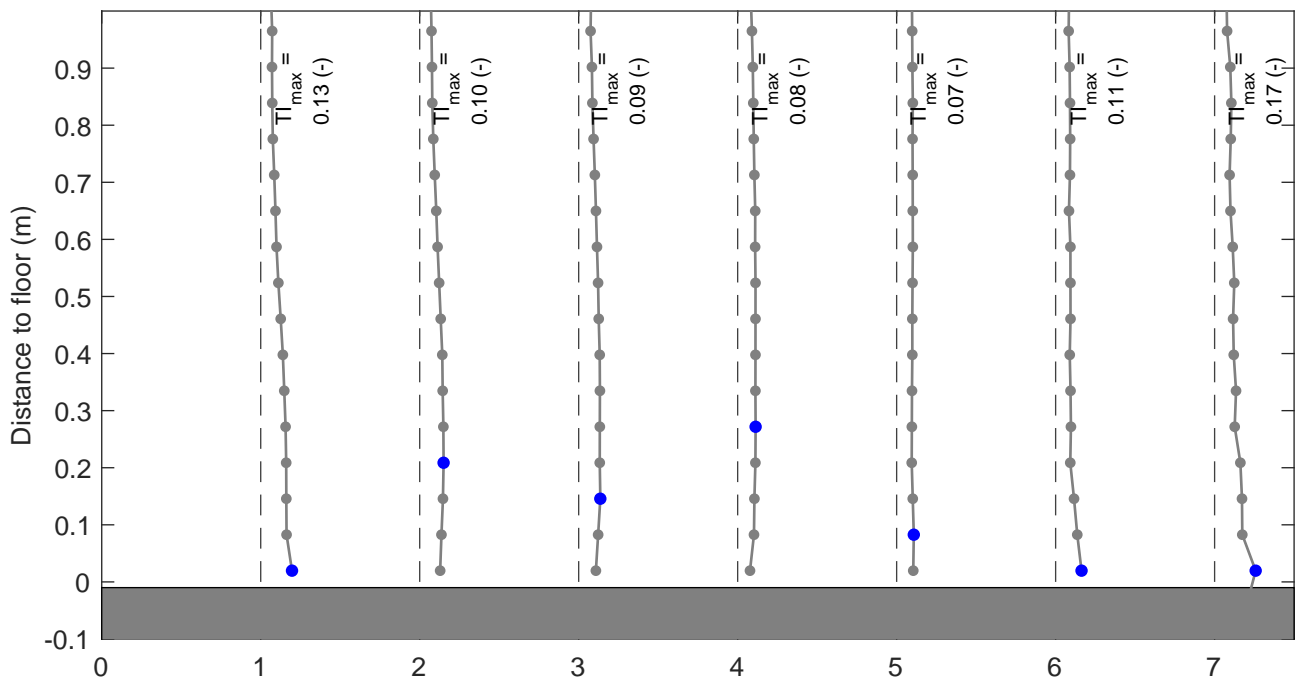
TKI-SOP

PIVSOP063

Deltares

11206641

Fig. J



Turbulence intensity profiles | Active thruster: BT2
 Maximum TI near bed and location in the vertical
 $\Delta x = 0.8 \text{ m}$, $\Delta y = 2.0 \text{ m}$, $UKC = 2.4 \text{ m}$, $U_{BT2} = 3.8 \text{ m/s}$

PIV, FOV1

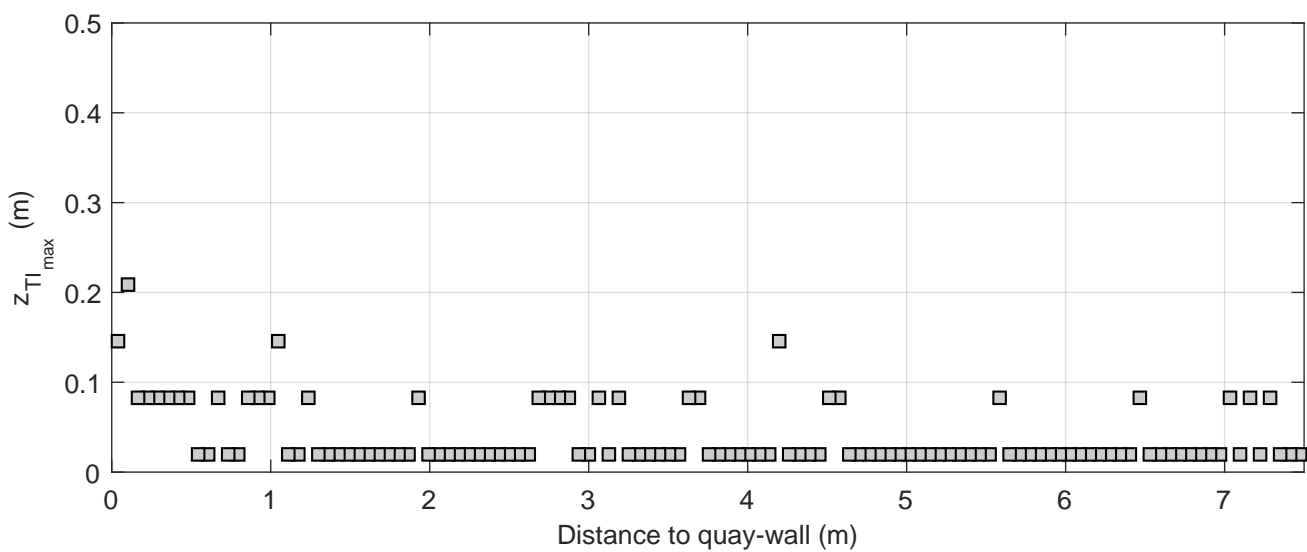
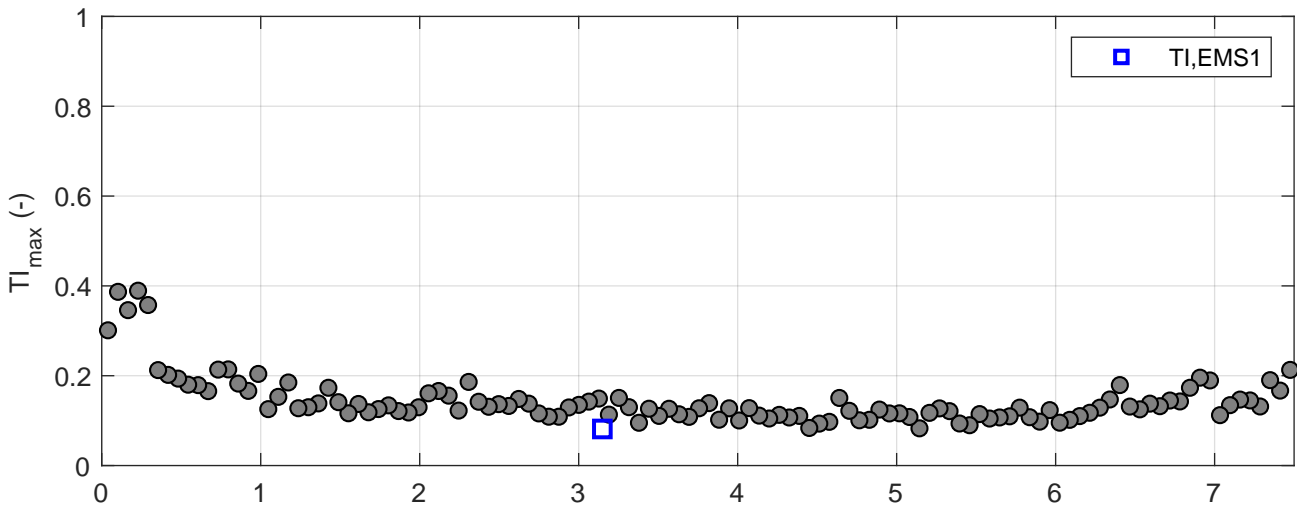
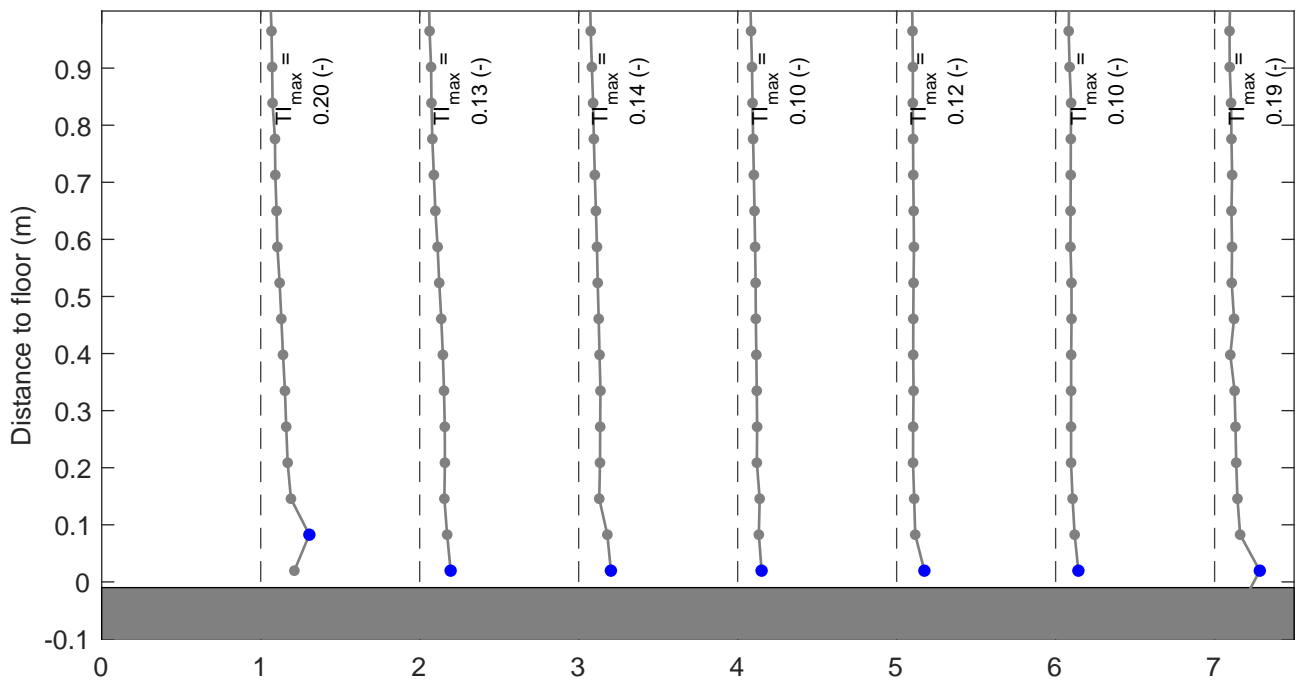
TKI-SOP

PIVSOP065

Deltares

11206641

Fig. J



Turbulence intensity profiles | Active thruster: BT2
 Maximum TI near bed and location in the vertical
 $\Delta x = 0.8 \text{ m}$, $\Delta y = 2.0 \text{ m}$, $UKC = 2.4 \text{ m}$, $U_{BT2} = 4.9 \text{ m/s}$

PIV, FOV1

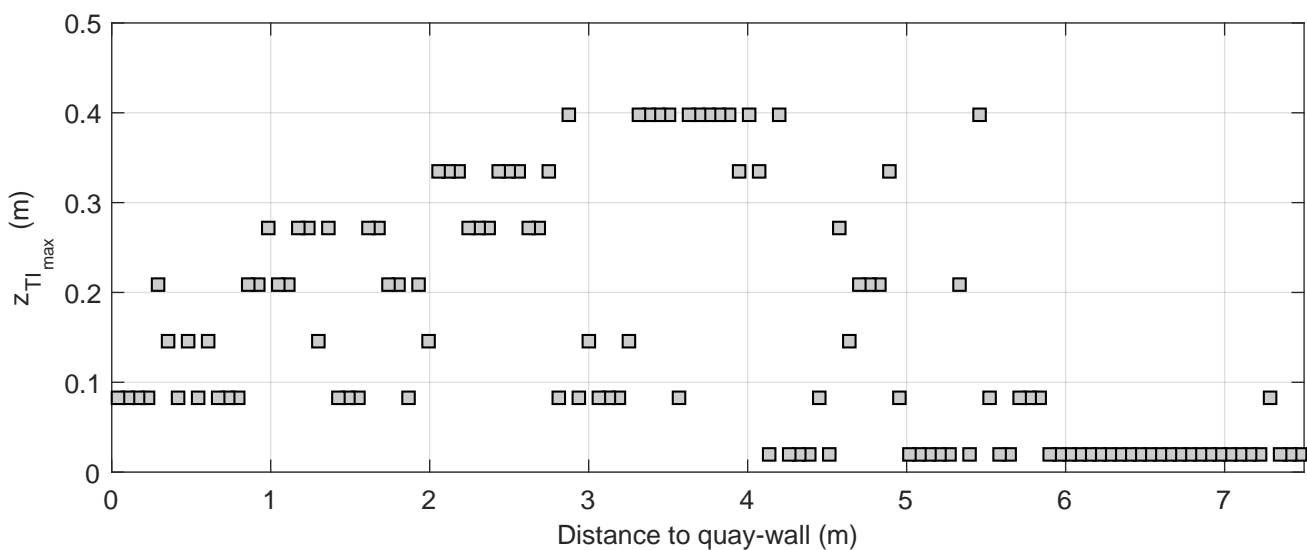
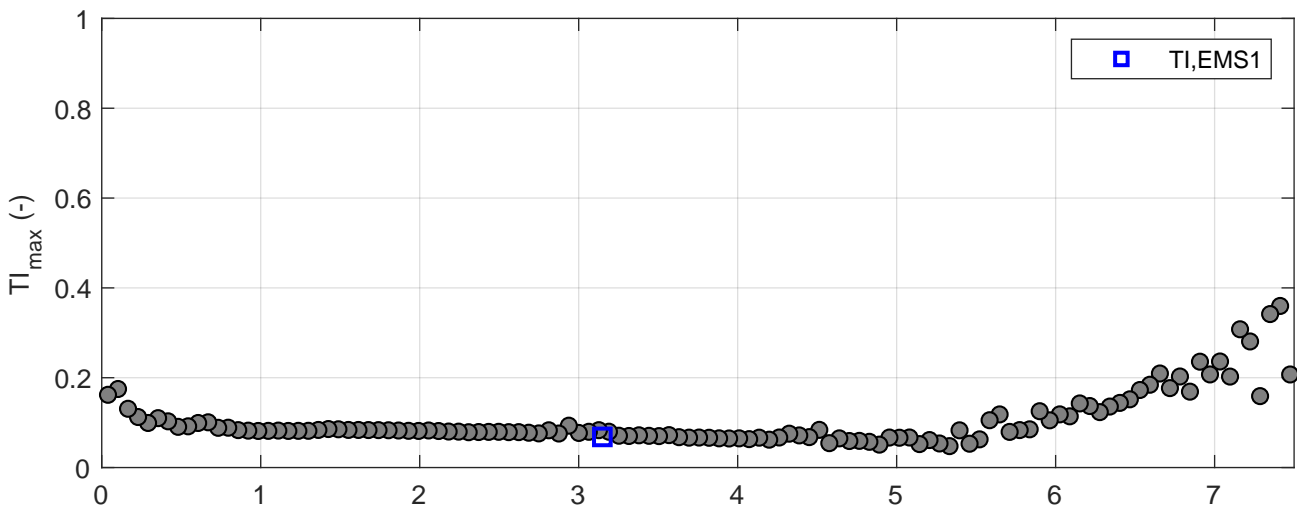
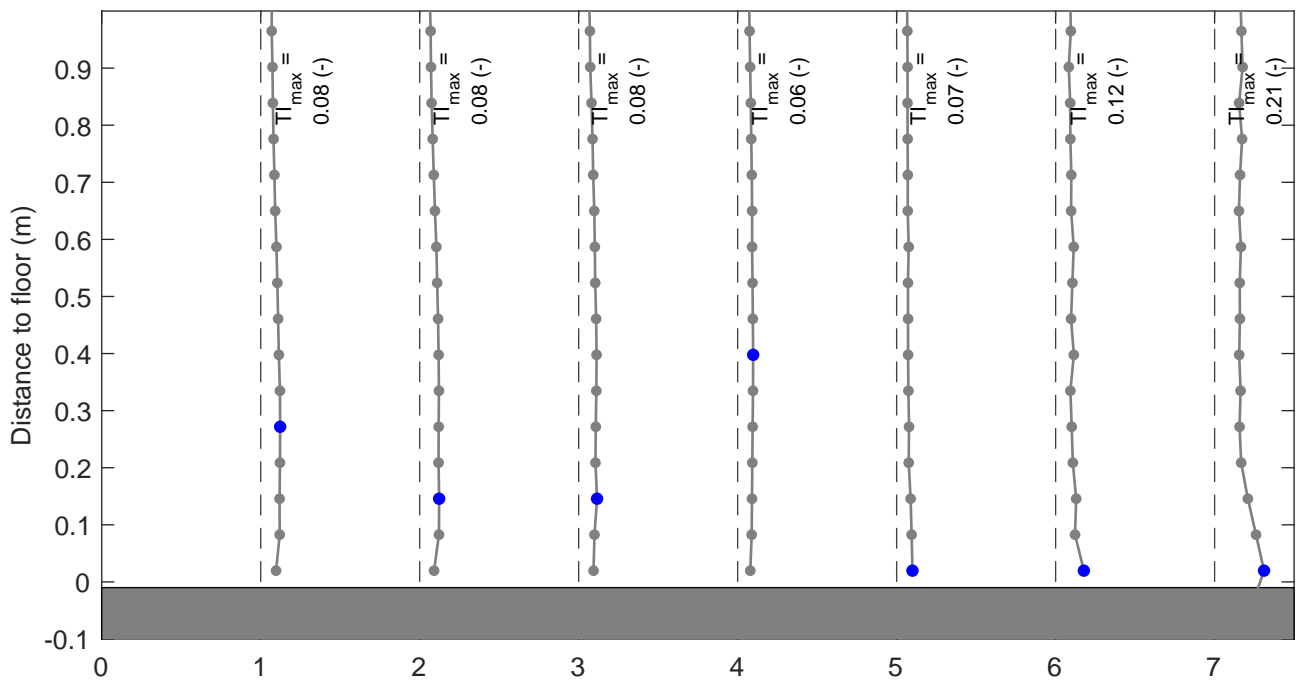
TKI-SOP

PIVSOP067

Deltares

11206641

Fig. J



Turbulence intensity profiles | Active thruster: BT2
 Maximum TI near bed and location in the vertical
 $\Delta x = 0.8 \text{ m}$, $\Delta y = 3.5 \text{ m}$, $UKC = 2.4 \text{ m}$, $U_{BT2} = 2.8 \text{ m/s}$

PIV, FOV1

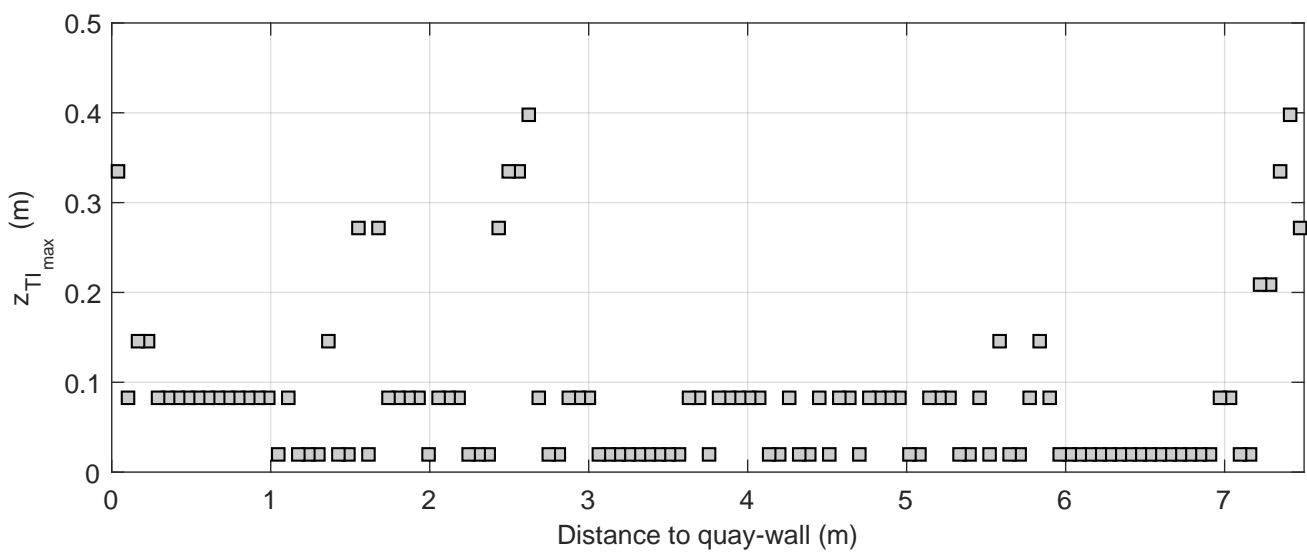
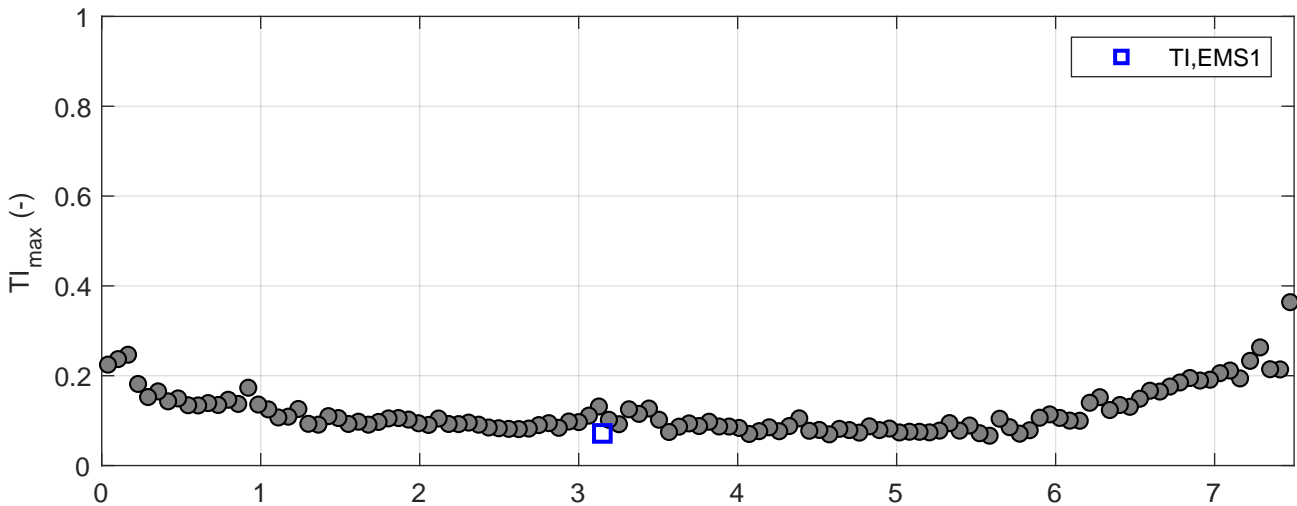
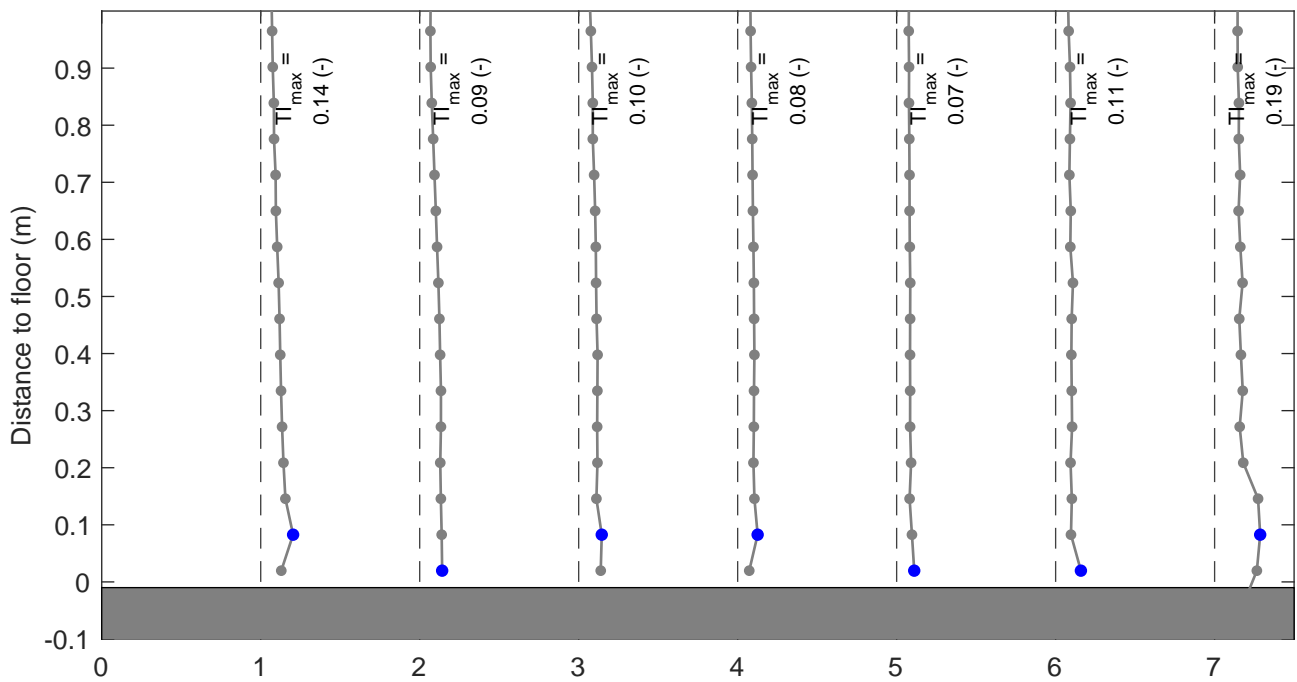
TKI-SOP

PIVSOP070

Deltares

11206641

Fig. J



Turbulence intensity profiles | Active thruster: BT2
 Maximum TI near bed and location in the vertical
 $\Delta x = 0.8 \text{ m}$, $\Delta y = 3.5 \text{ m}$, $UKC = 2.4 \text{ m}$, $U_{BT2} = 3.7 \text{ m/s}$

PIV, FOV1

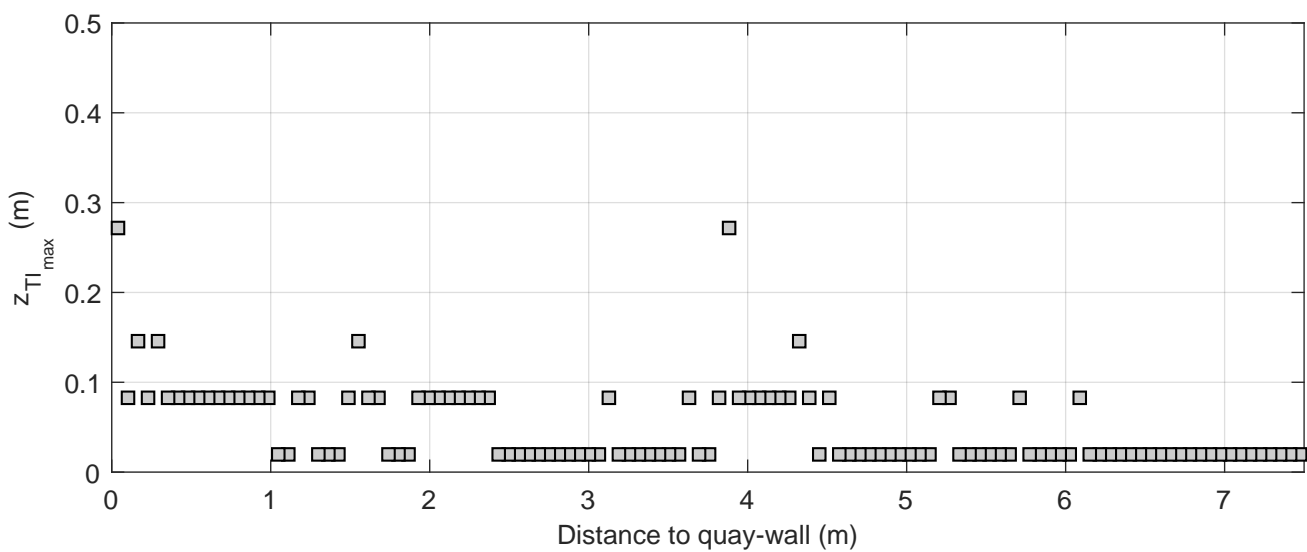
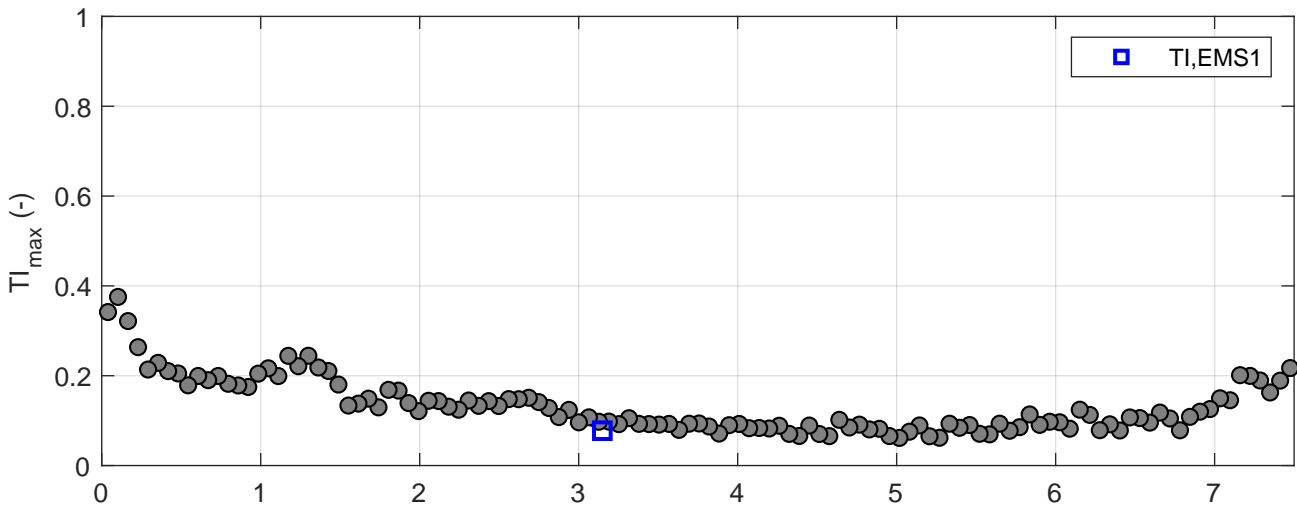
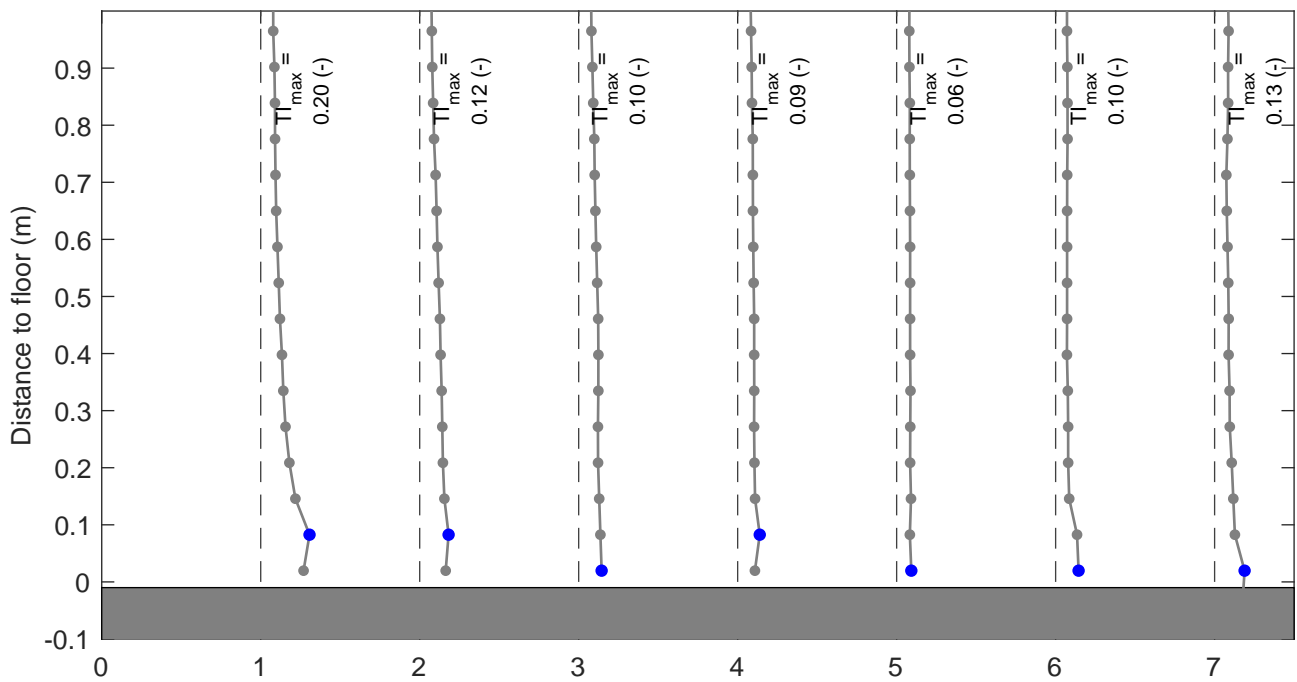
TKI-SOP

PIVSOP072

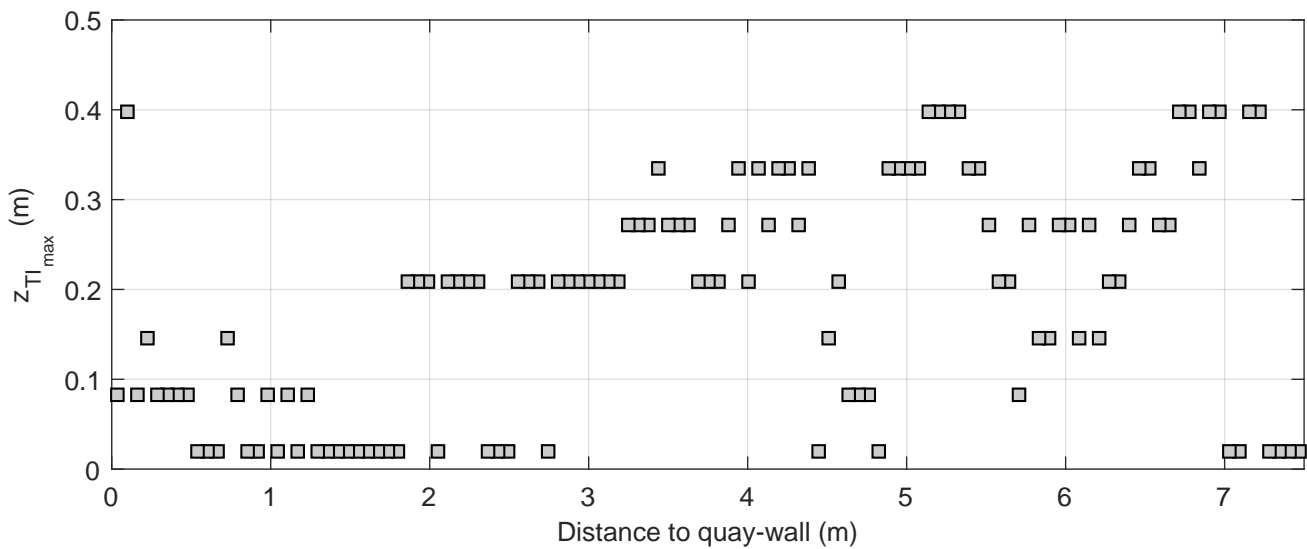
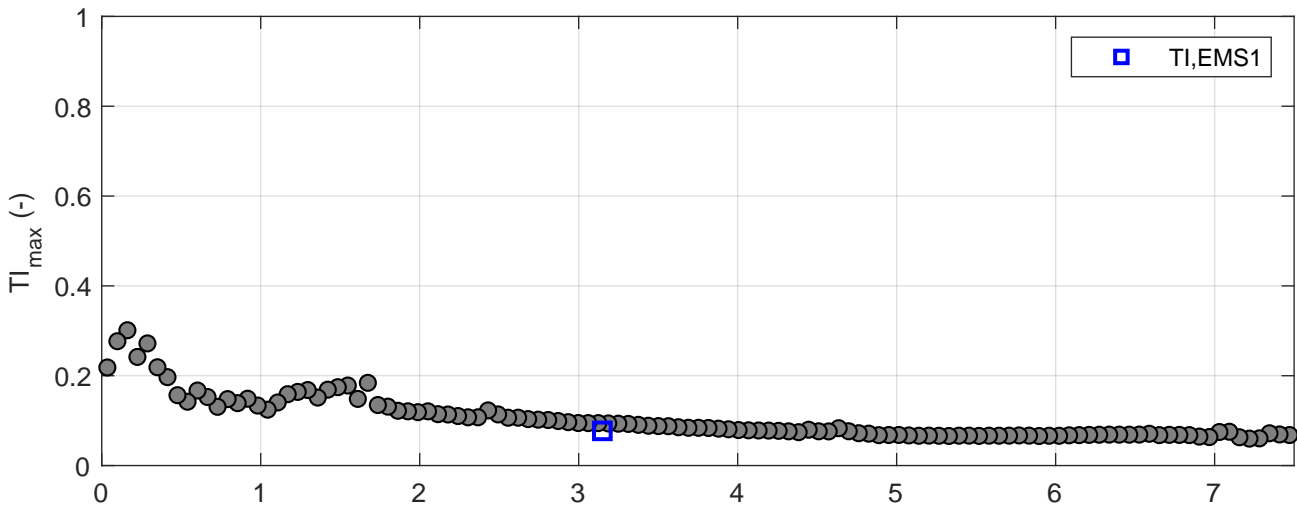
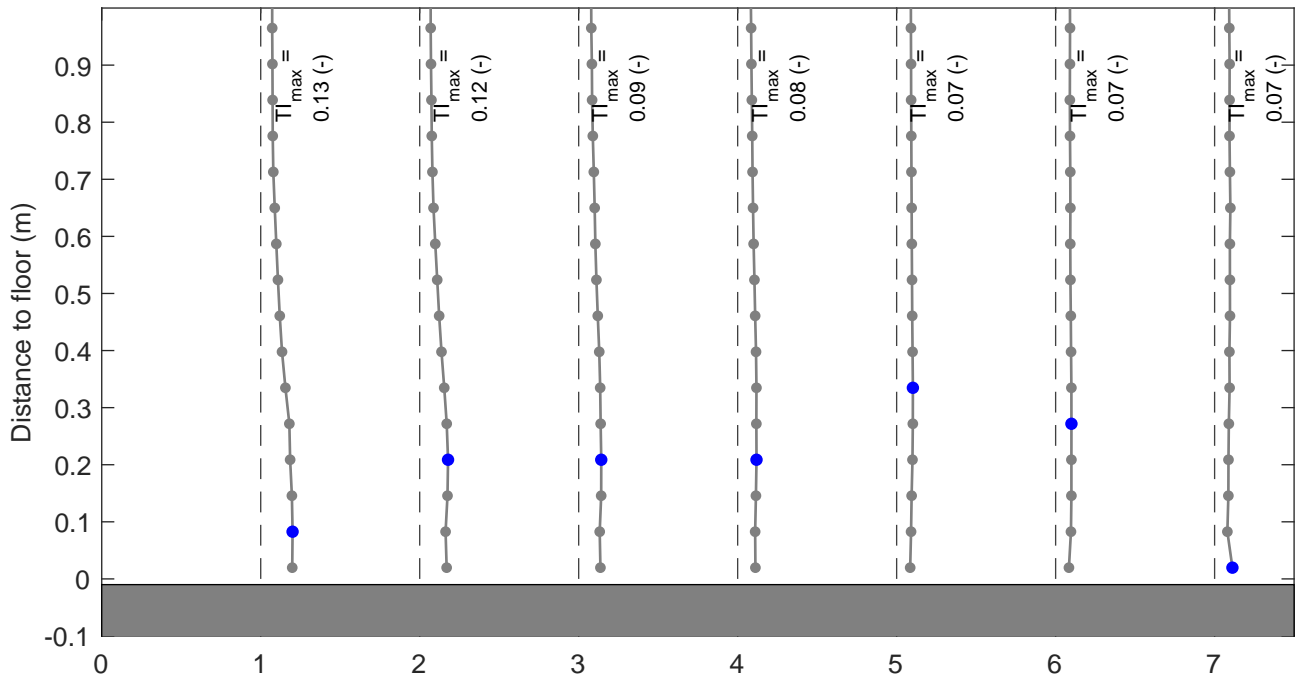
Deltares

11206641

Fig. J



Turbulence intensity profiles Active thruster: BT2 Maximum TI near bed and location in the vertical $\Delta x = 0.8 \text{ m}$, $\Delta y = 3.5 \text{ m}$, $UKC = 2.4 \text{ m}$, $U_{BT2} = 4.6 \text{ m/s}$	PIV, FOV1	TKI-SOP
	PIVSOP074	
Deltares	11206641	Fig. J



Turbulence intensity profiles | Active thruster: BT2
 Maximum TI near bed and location in the vertical
 $\Delta x = 0.8 \text{ m}$, $\Delta y = -2.0 \text{ m}$, $UKC = 2.5 \text{ m}$, $U_{BT2} = 2.6 \text{ m/s}$

PIV, FOV1

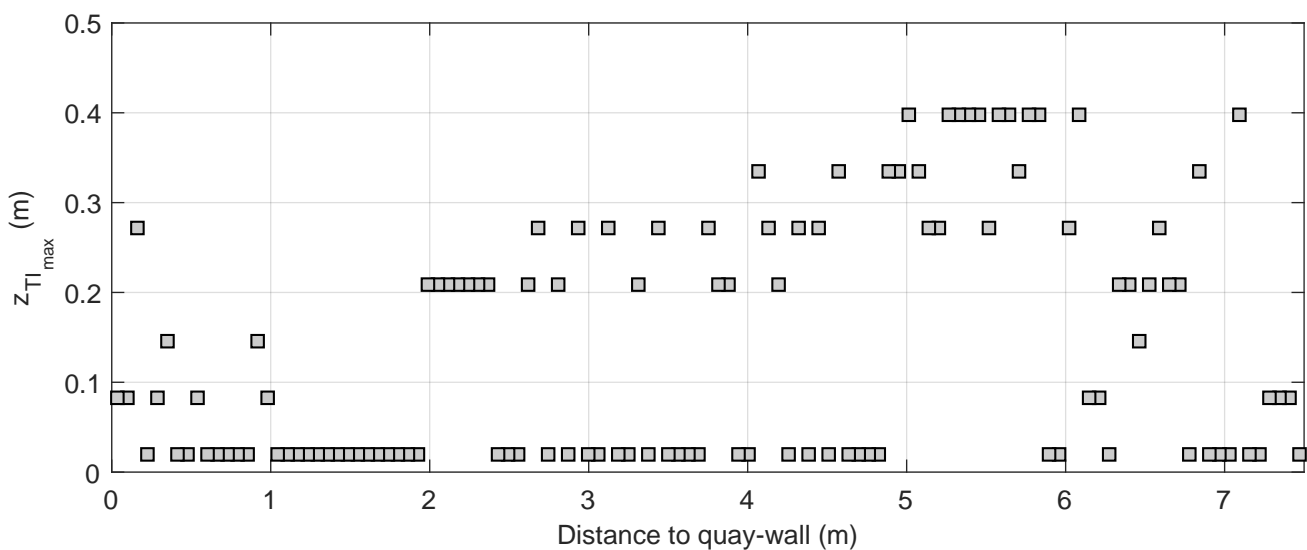
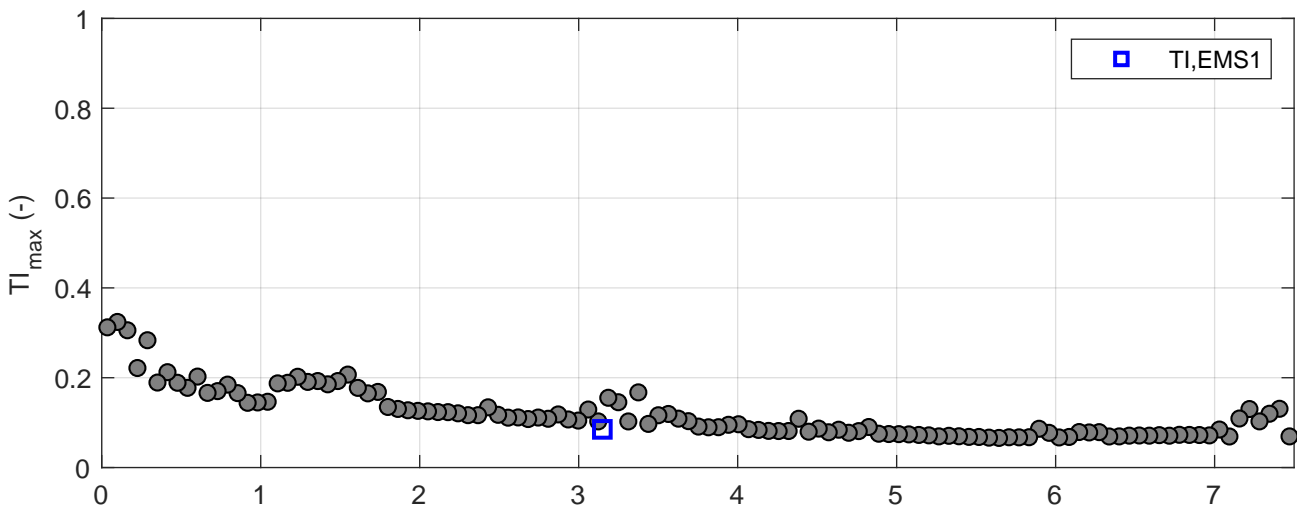
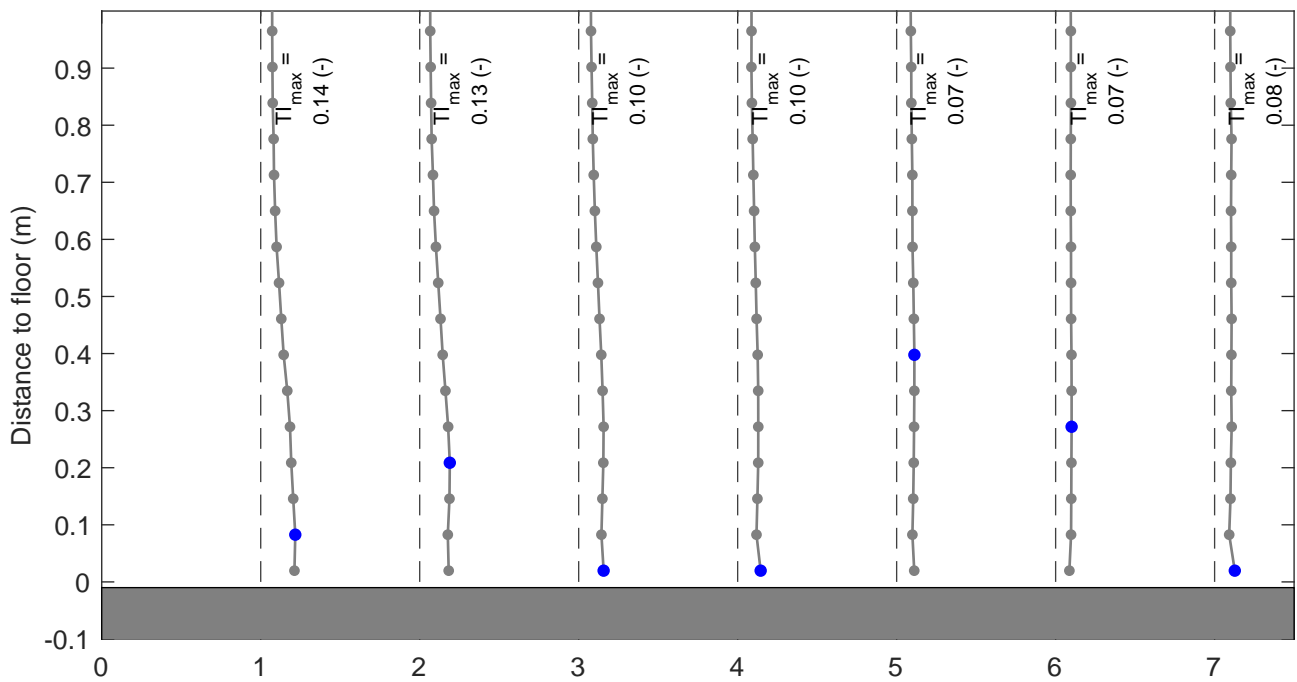
TKI-SOP

PIVSOP077

Deltares

11206641

Fig. J



Turbulence intensity profiles | Active thruster: BT2
 Maximum TI near bed and location in the vertical
 $\Delta x = 0.8 \text{ m}$, $\Delta y = -2.0 \text{ m}$, $UKC = 2.5 \text{ m}$, $U_{BT2} = 3.7 \text{ m/s}$

PIV, FOV1

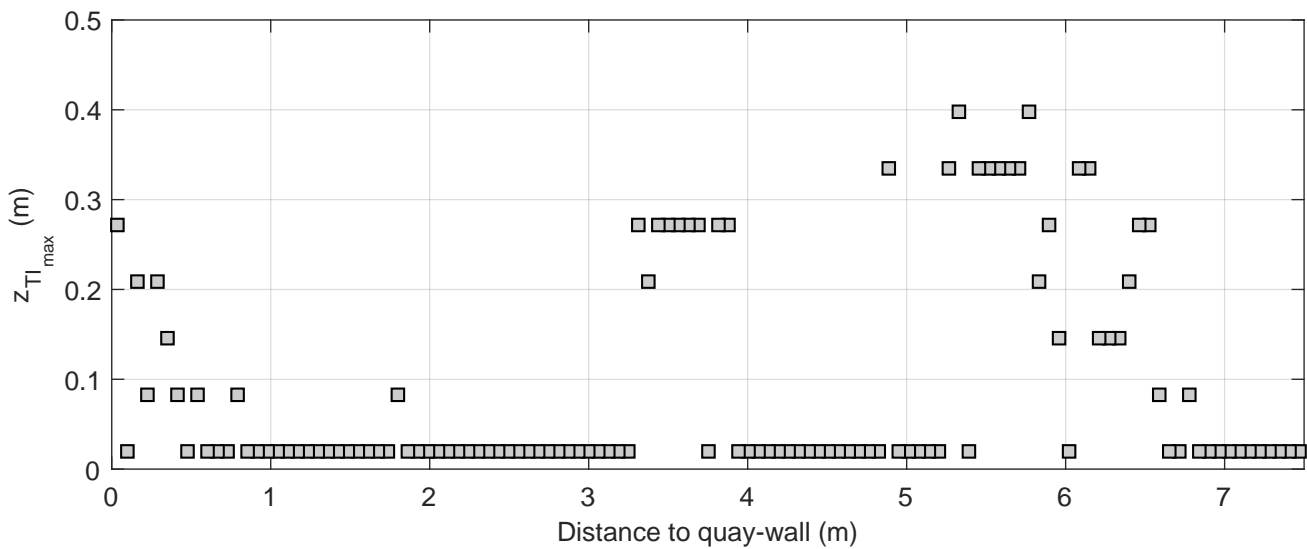
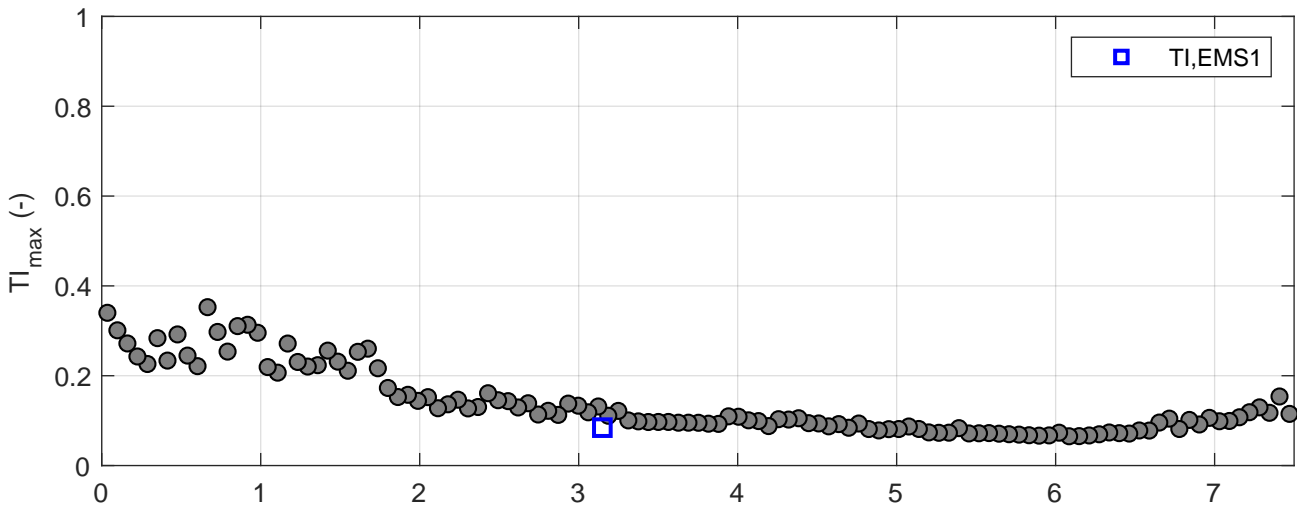
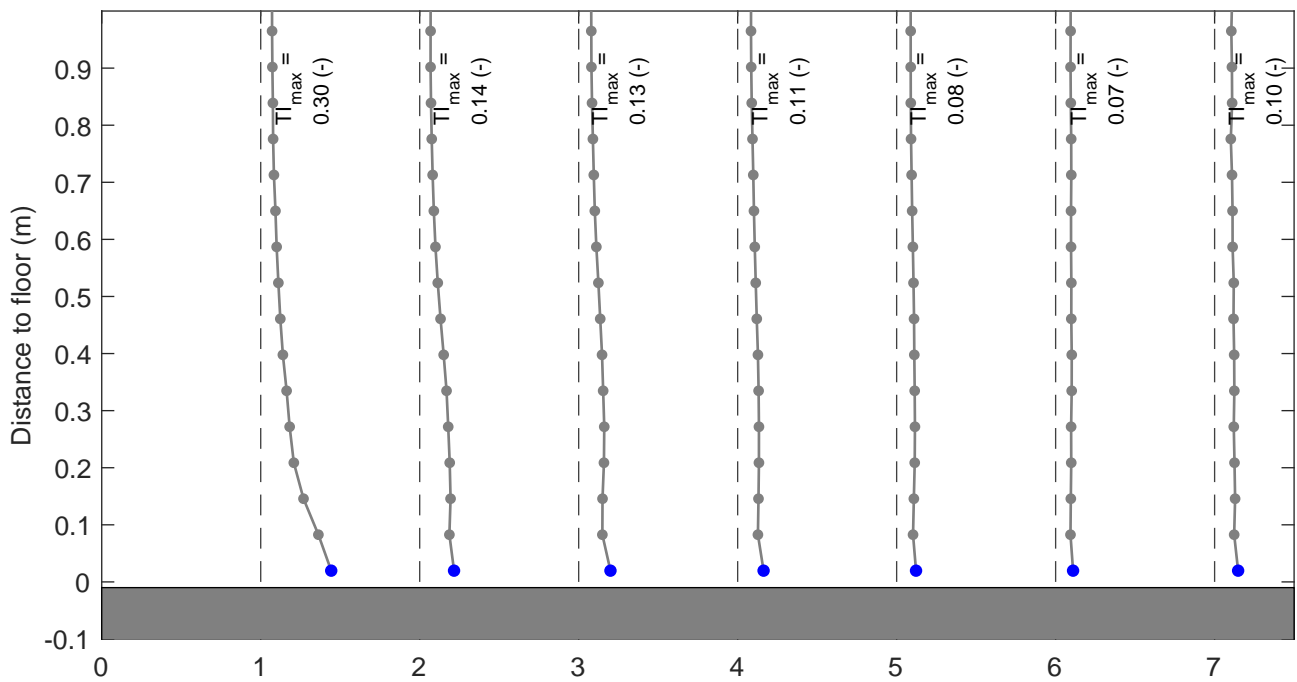
TKI-SOP

PIVSOP079

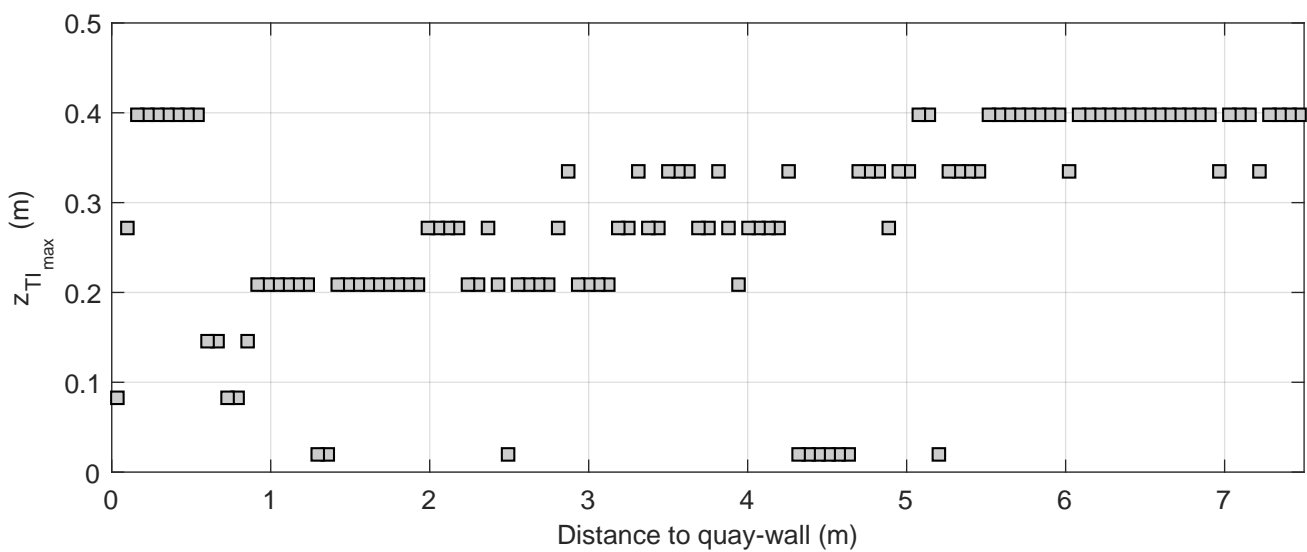
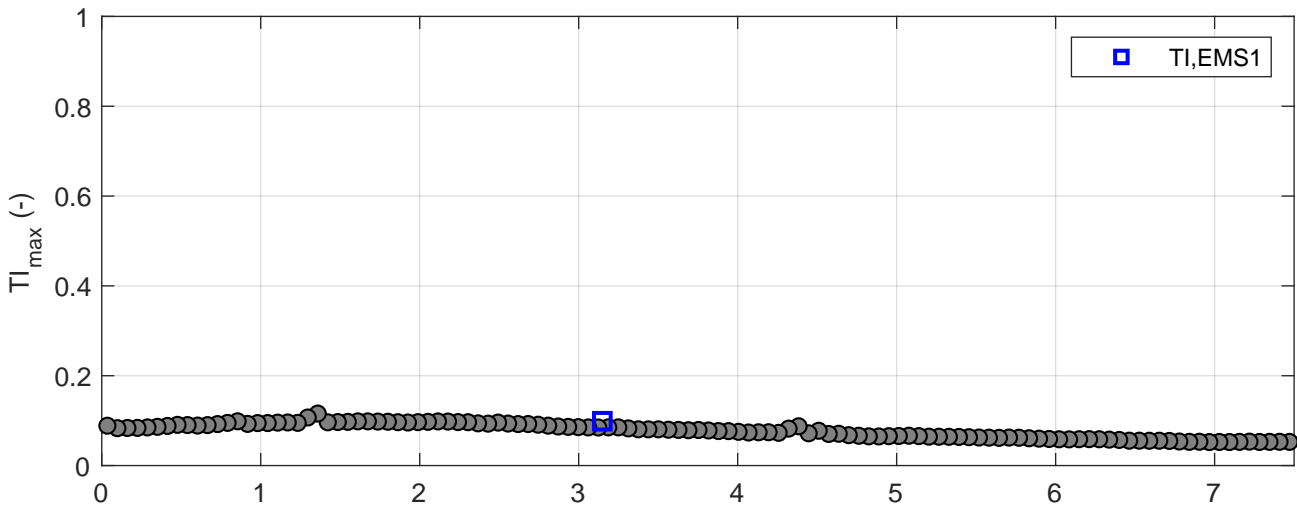
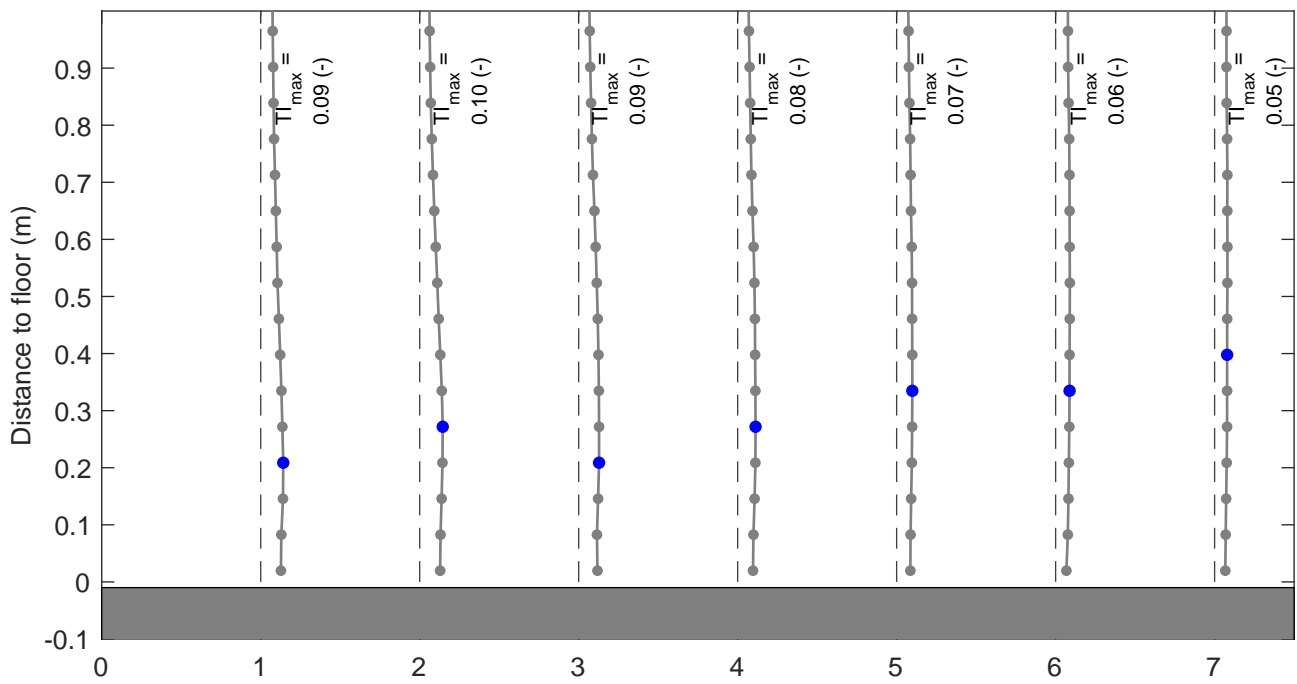
Deltares

11206641

Fig. J



Turbulence intensity profiles Active thruster: BT2 Maximum TI near bed and location in the vertical $\Delta x = 0.8 \text{ m}$, $\Delta y = -2.0 \text{ m}$, $UKC = 2.5 \text{ m}$, $U_{BT2} = 4.7 \text{ m/s}$	PIV, FOV1	TKI-SOP
	PIVSOP082	
Deltares	11206641	Fig. J



Turbulence intensity profiles | Active thruster: BT2
 Maximum TI near bed and location in the vertical
 $\Delta x = 0.8 \text{ m}$, $\Delta y = -4.0 \text{ m}$, $UKC = 2.5 \text{ m}$, $U_{BT2} = 2.5 \text{ m/s}$

PIV, FOV1

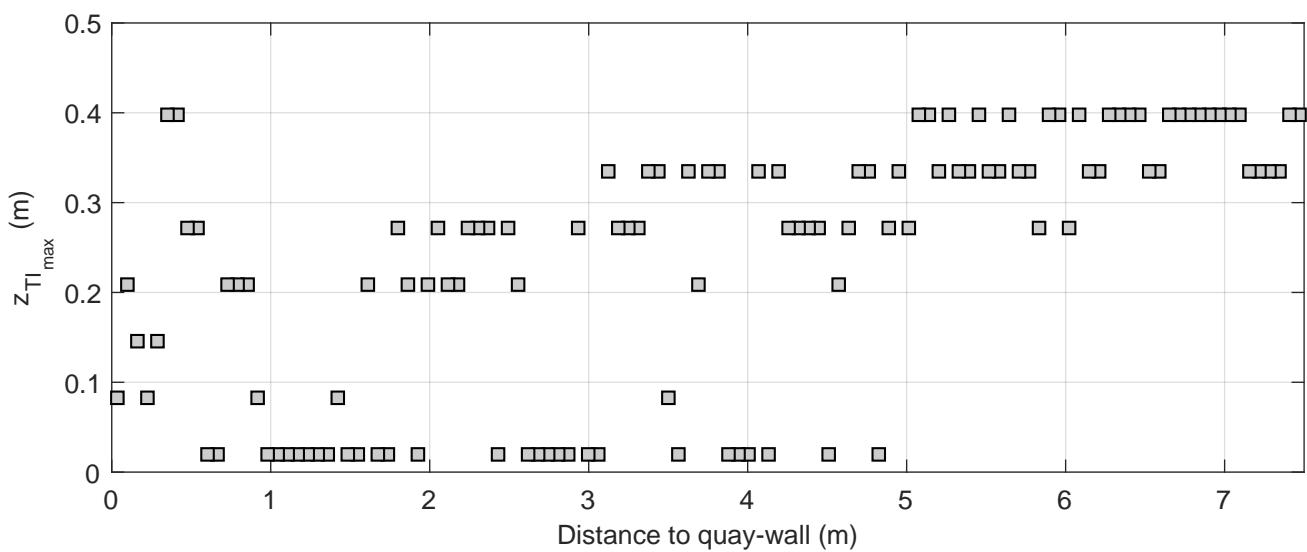
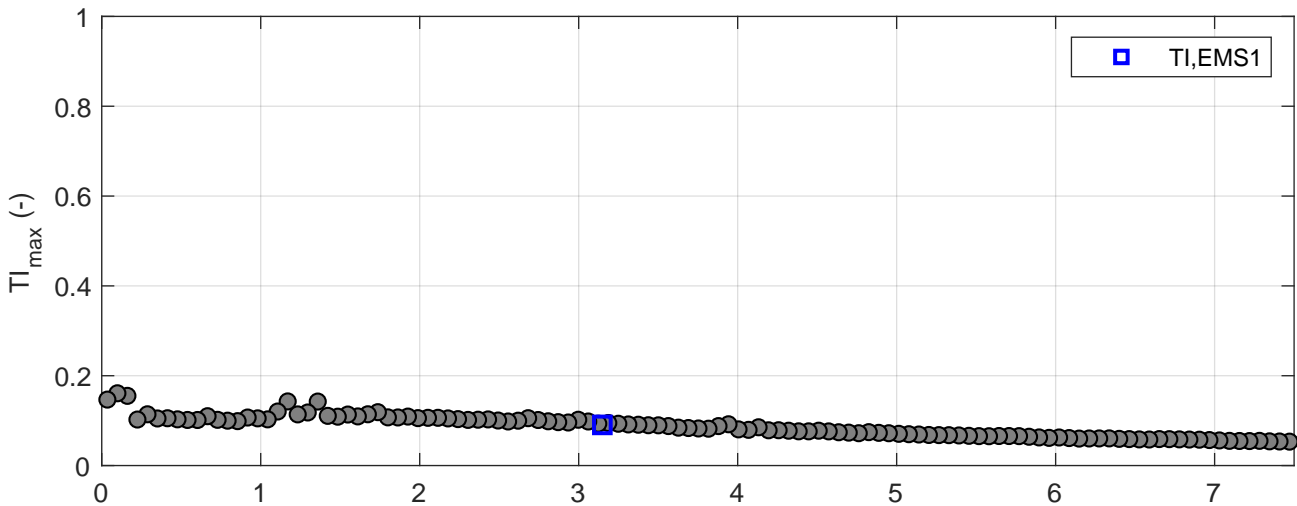
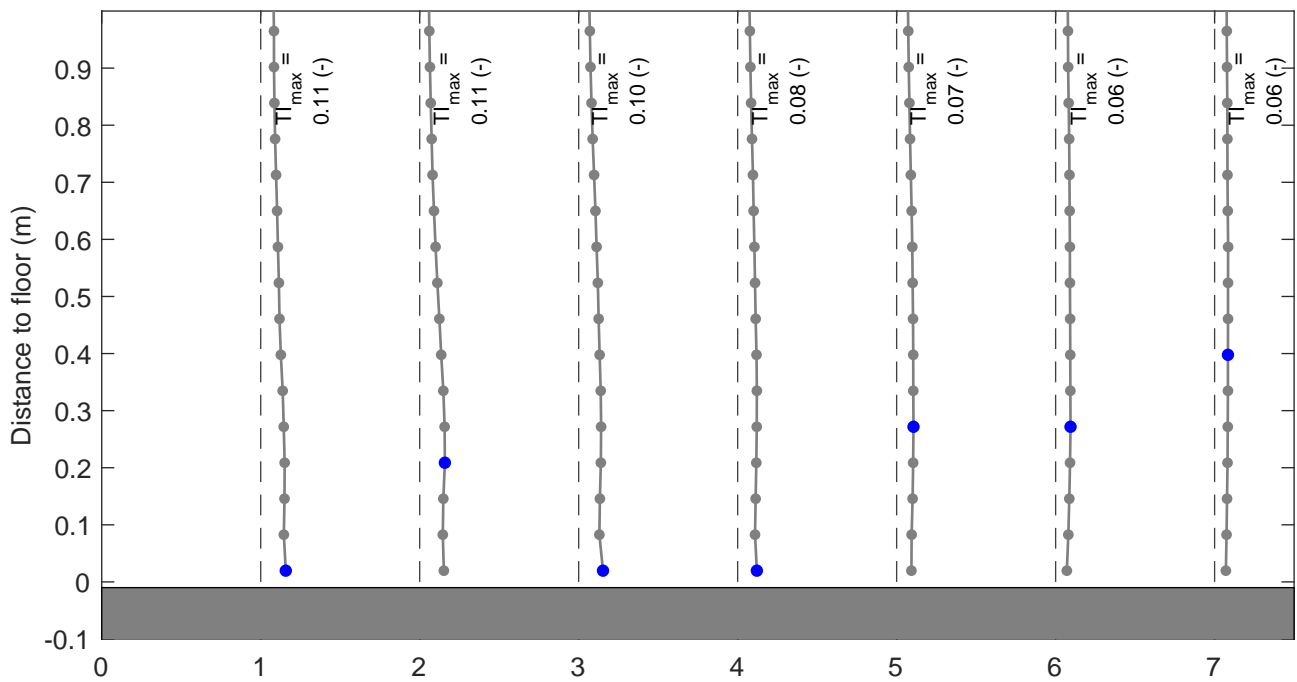
TKI-SOP

PIVSOP085

Deltares

11206641

Fig. J



Turbulence intensity profiles | Active thruster: BT2
 Maximum TI near bed and location in the vertical
 $\Delta x = 0.8$ m, $\Delta y = -4.0$ m, UKC = 2.5 m, $U_{BT2} = 3.6$ m/s

PIV, FOV1

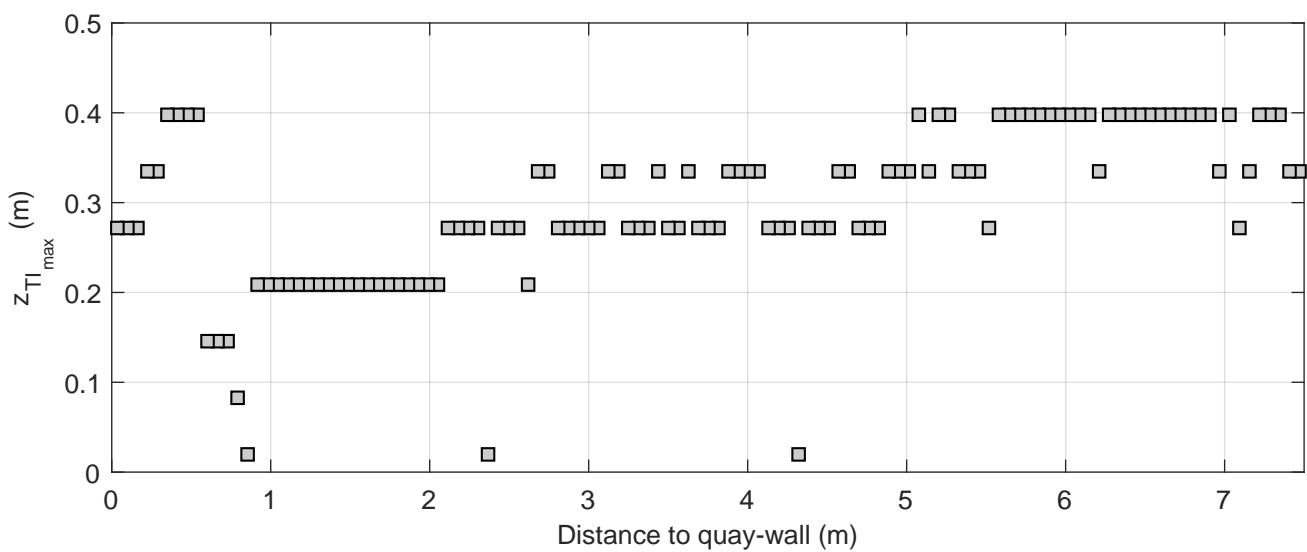
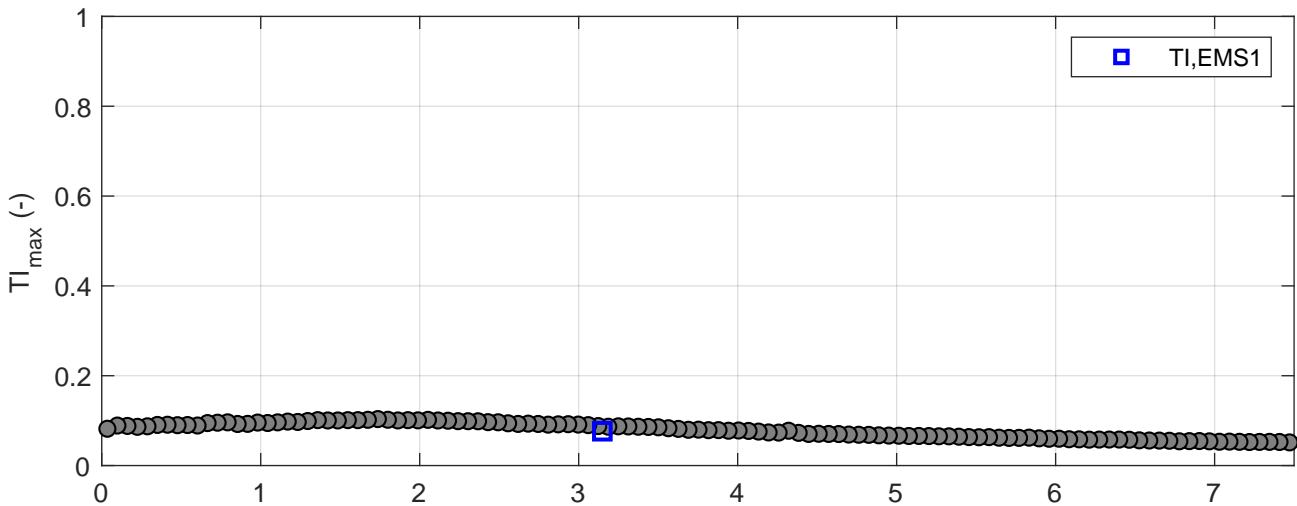
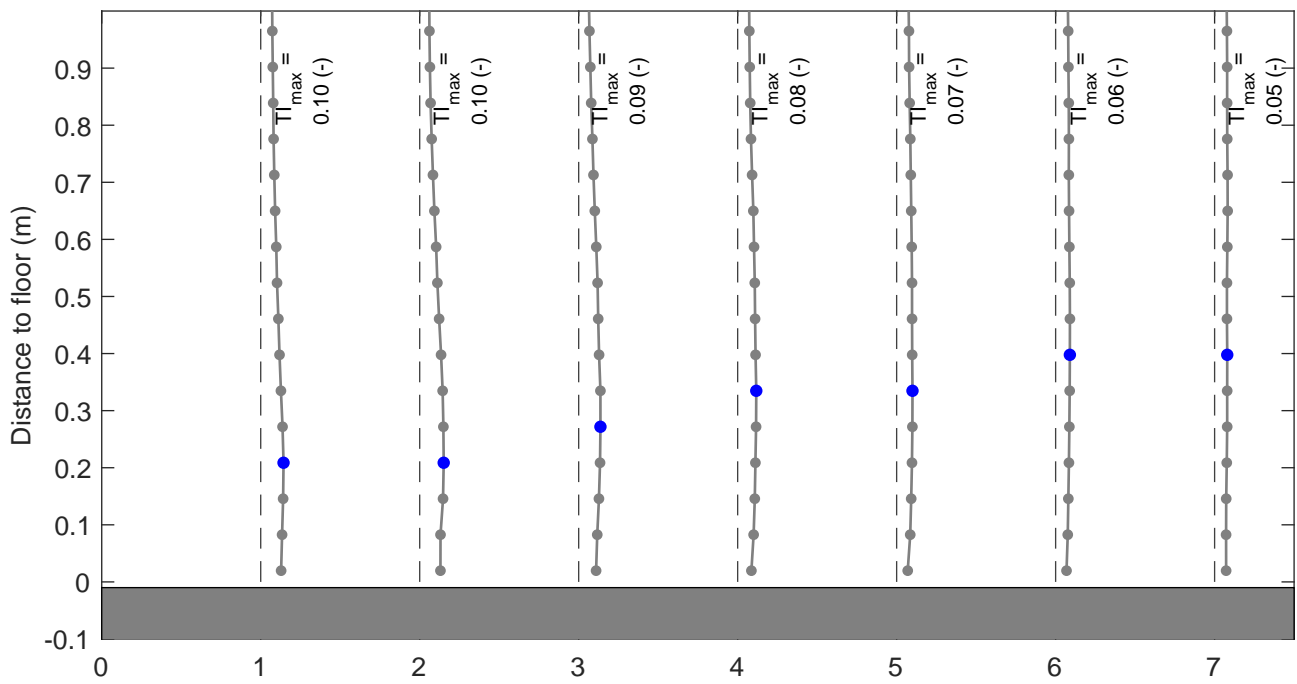
TKI-SOP

PIVSOP087

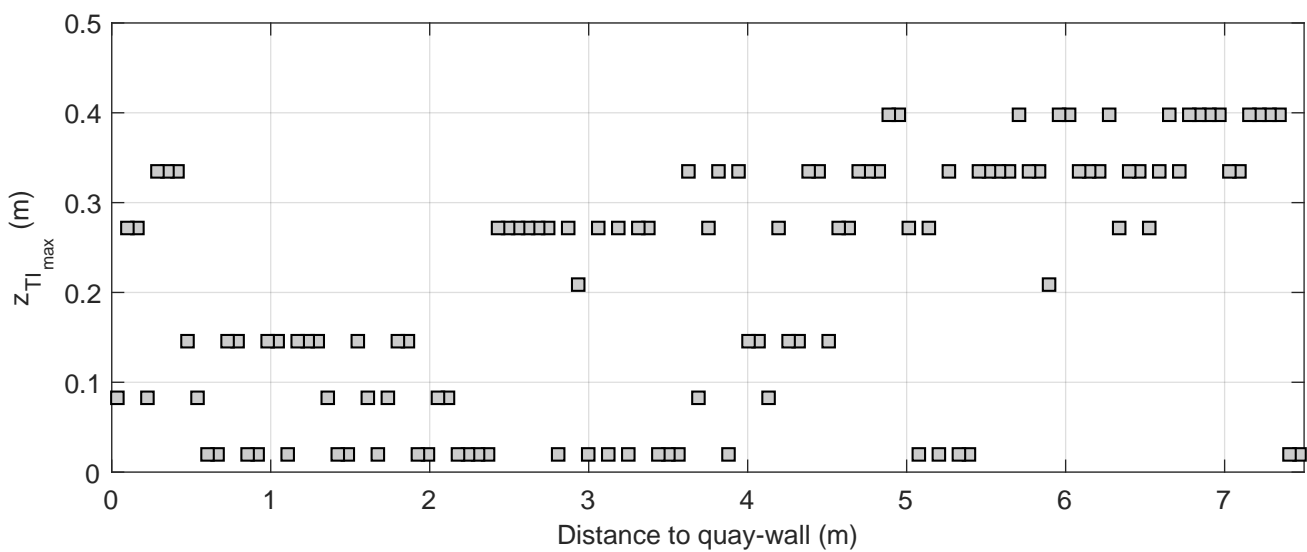
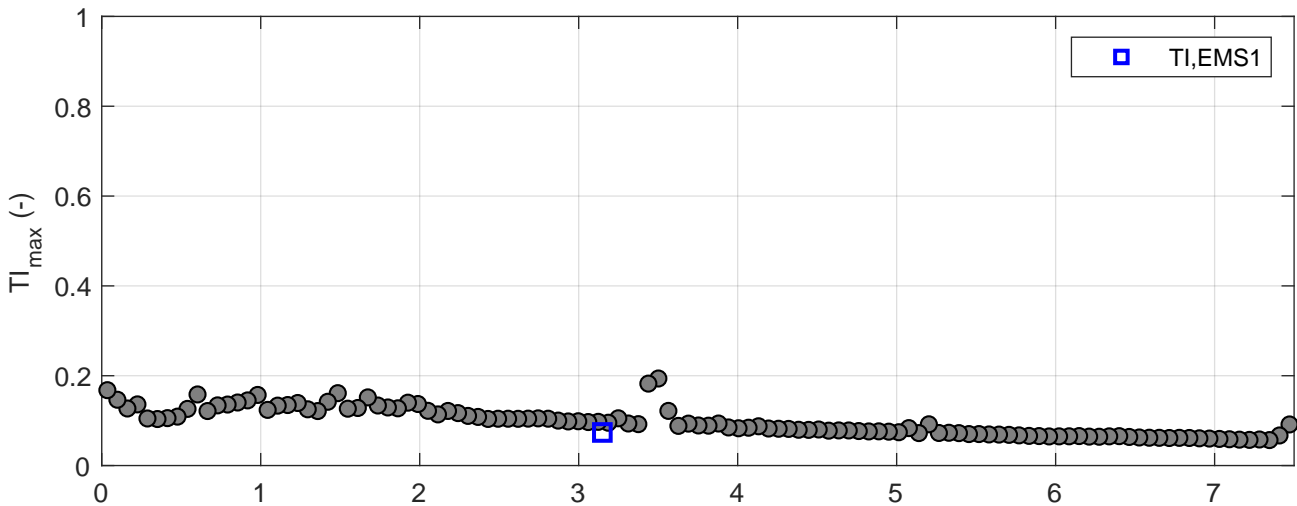
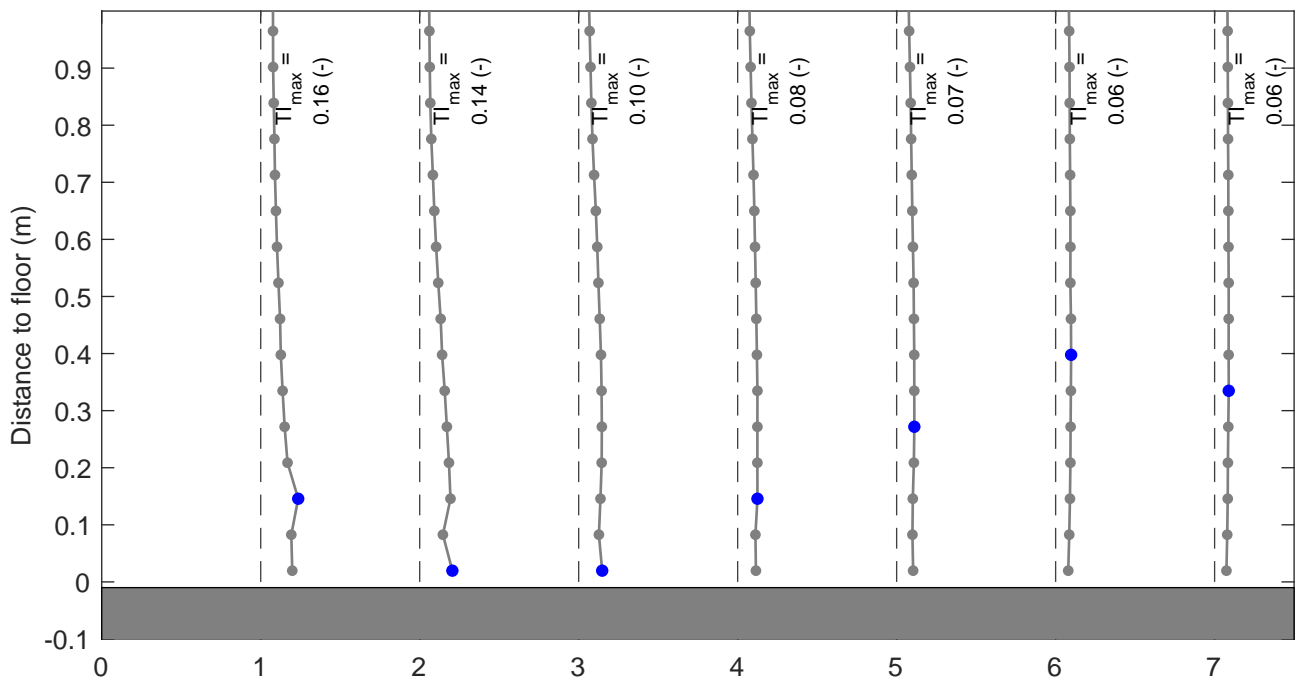
Deltares

11206641

Fig. J



Turbulence intensity profiles Active thruster: BT2 Maximum TI near bed and location in the vertical $\Delta x = 0.8 \text{ m}$, $\Delta y = -4.0 \text{ m}$, $UKC = 2.5 \text{ m}$, $U_{BT2} = 2.6 \text{ m/s}$	PIV, FOV1	TKI-SOP
	PIVSOP091	
Deltares	11206641	Fig. J



Turbulence intensity profiles | Active thruster: BT2
 Maximum TI near bed and location in the vertical
 $\Delta x = 0.8 \text{ m}$, $\Delta y = -4.0 \text{ m}$, $UKC = 2.5 \text{ m}$, $U_{BT2} = 4.7 \text{ m/s}$

PIV, FOV1

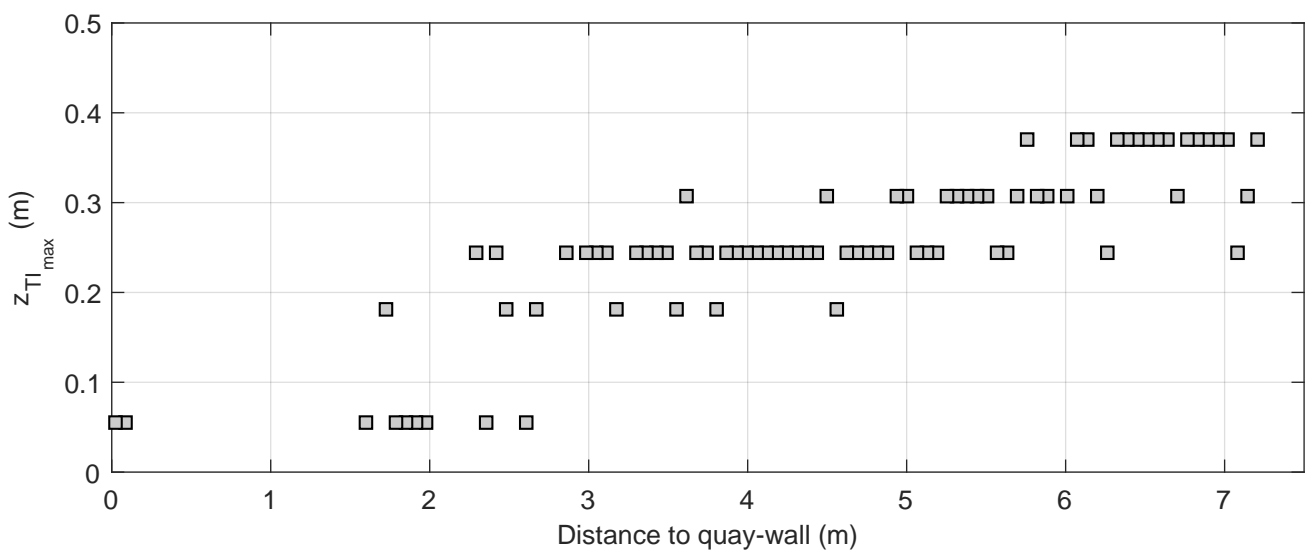
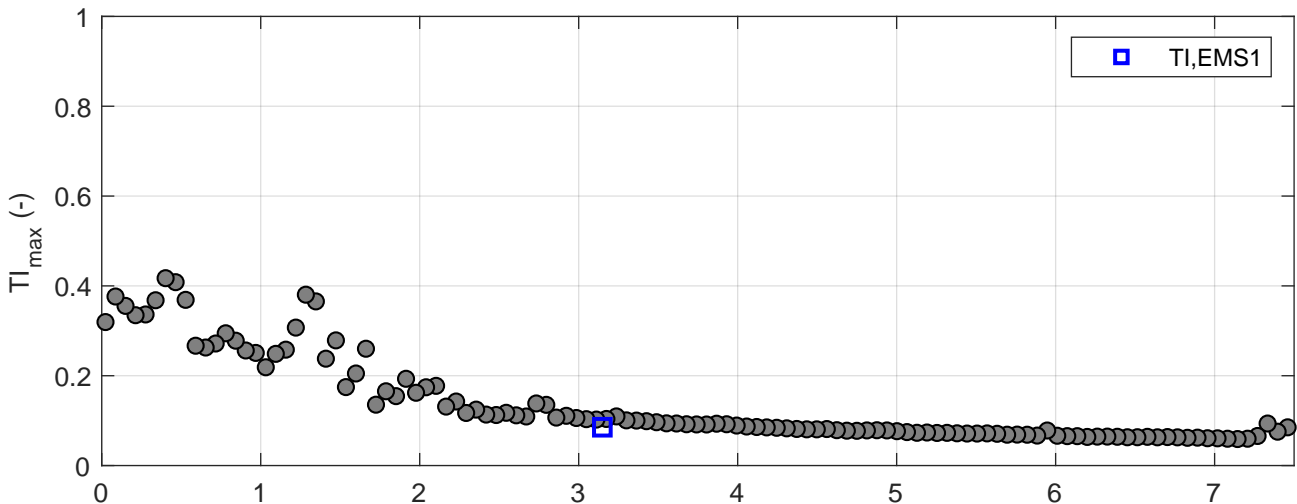
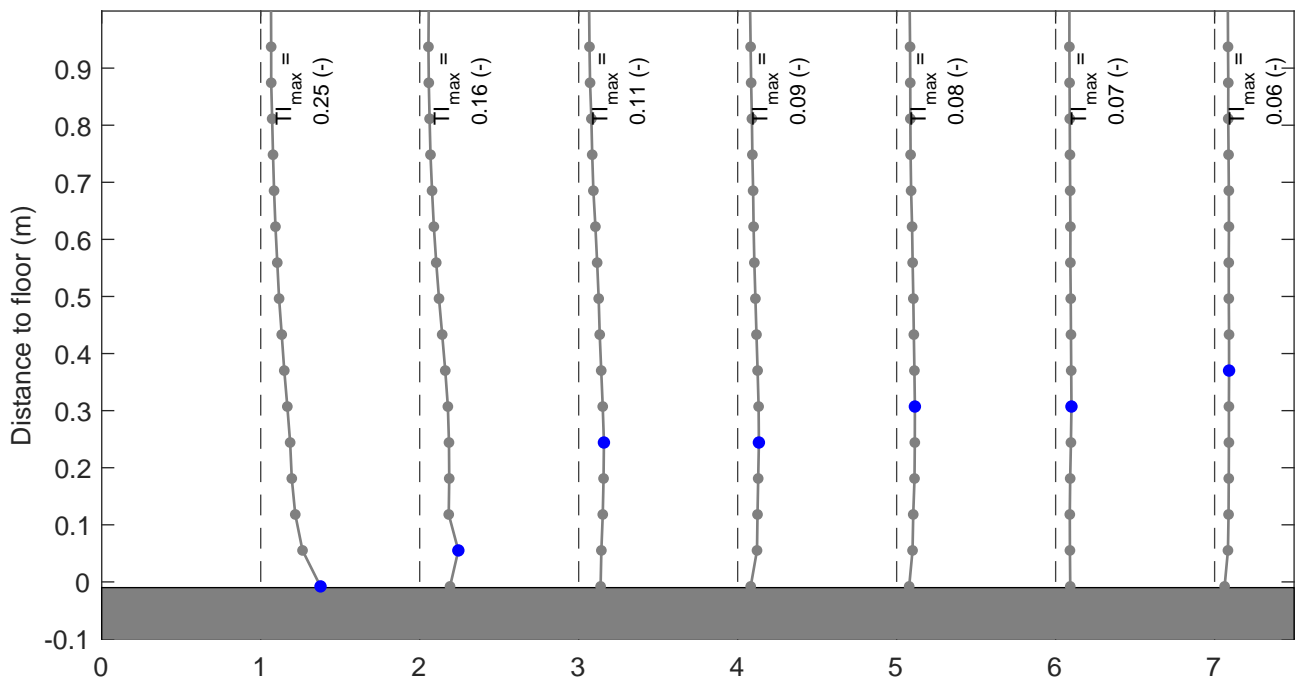
TKI-SOP

PIVSOP093

Deltares

11206641

Fig. J



Turbulence intensity profiles | Active thruster: BT2
 Maximum TI near bed and location in the vertical
 $\Delta x = 0.8 \text{ m}$, $\Delta y = -2.0 \text{ m}$, $UKC = 2.4 \text{ m}$, $U_{BT2} = 4.8 \text{ m/s}$

PIV, FOV1

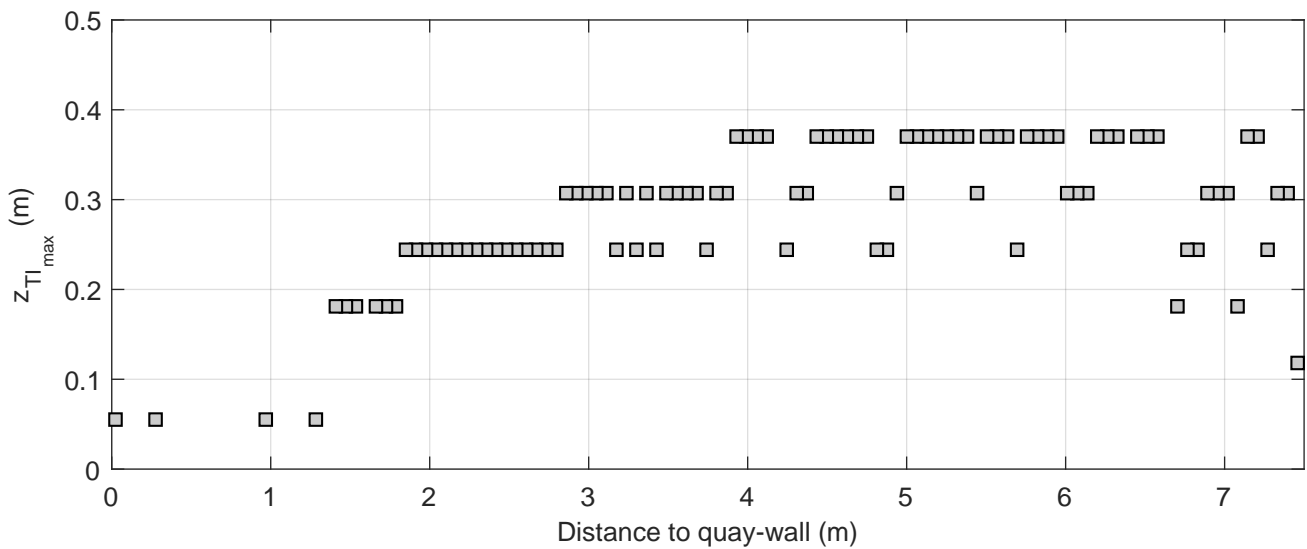
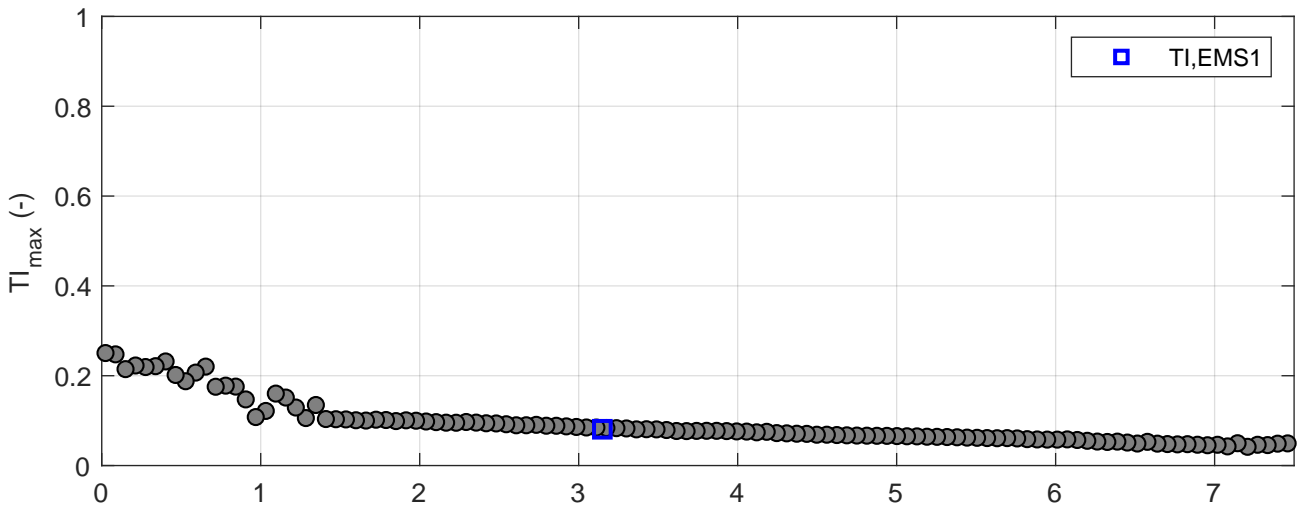
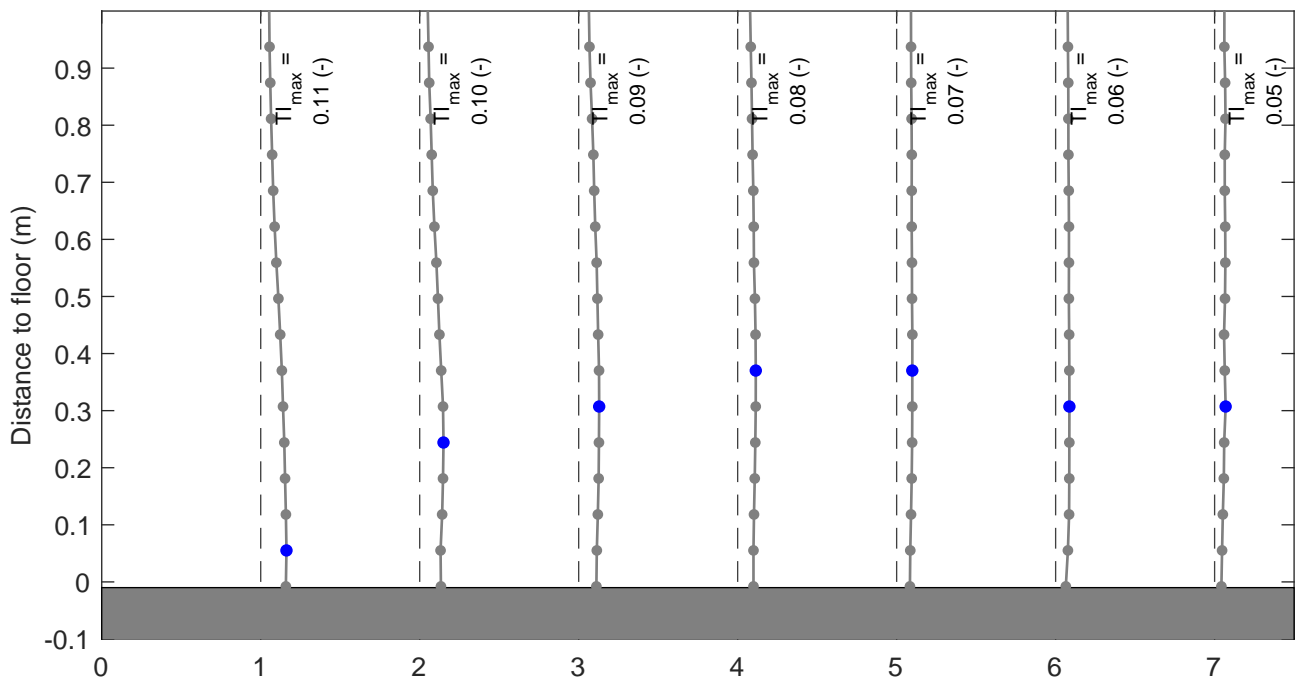
TKI-SOP

PIVSOP096

Deltares

11206641

Fig. J



Turbulence intensity profiles | Active thruster: BT2
 Maximum TI near bed and location in the vertical
 $\Delta x = 0.8 \text{ m}$, $\Delta y = 2.0 \text{ m}$, $UKC = 2.4 \text{ m}$, $U_{BT2} = 4.7 \text{ m/s}$

PIV, FOV1

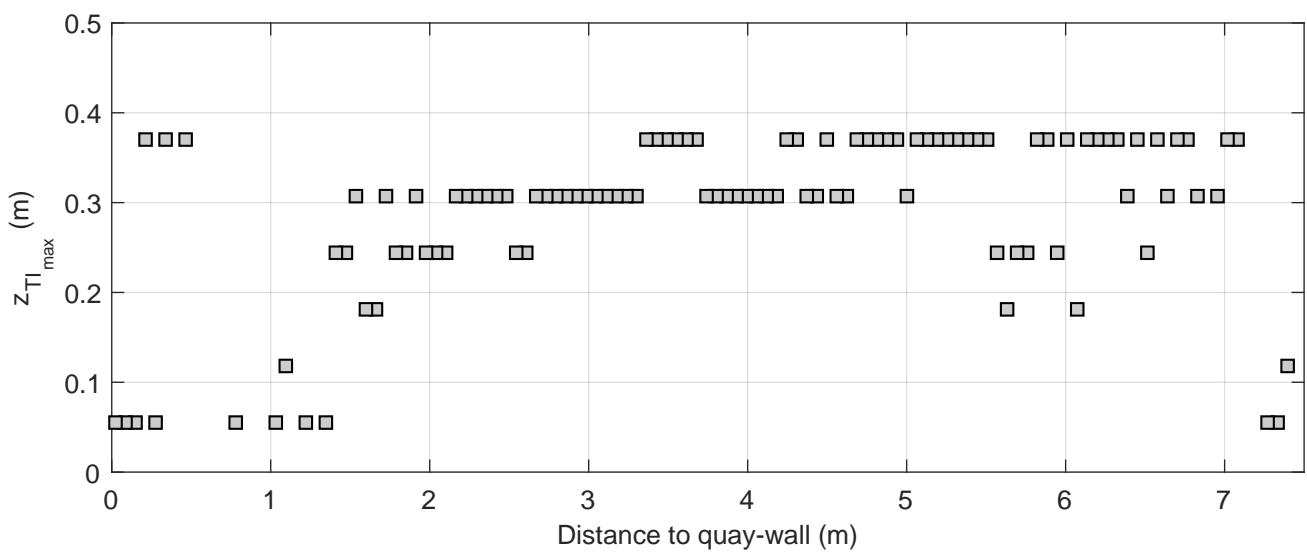
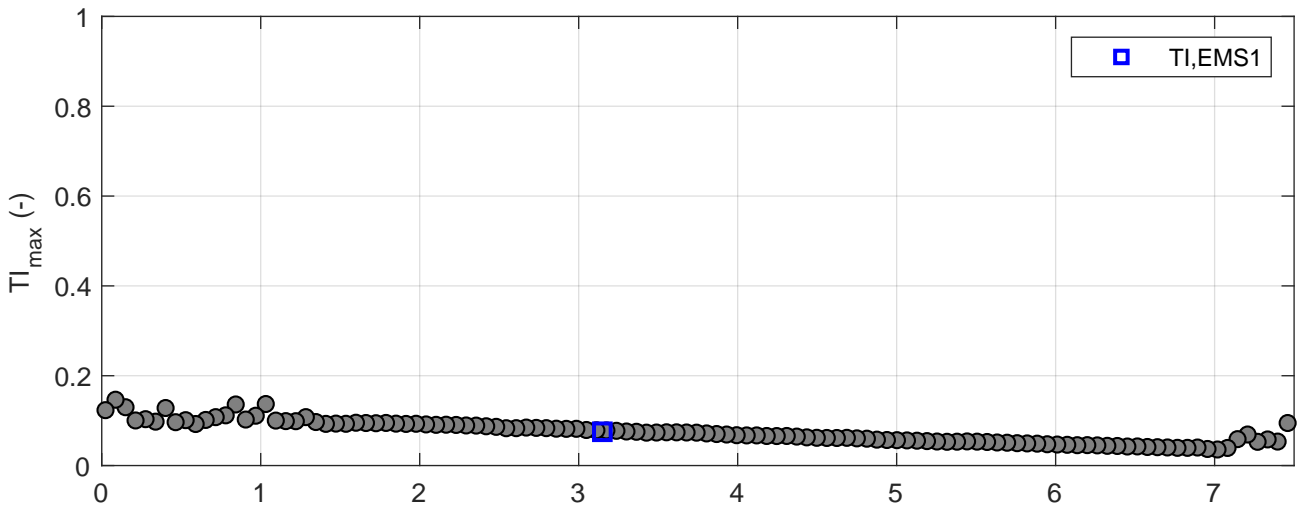
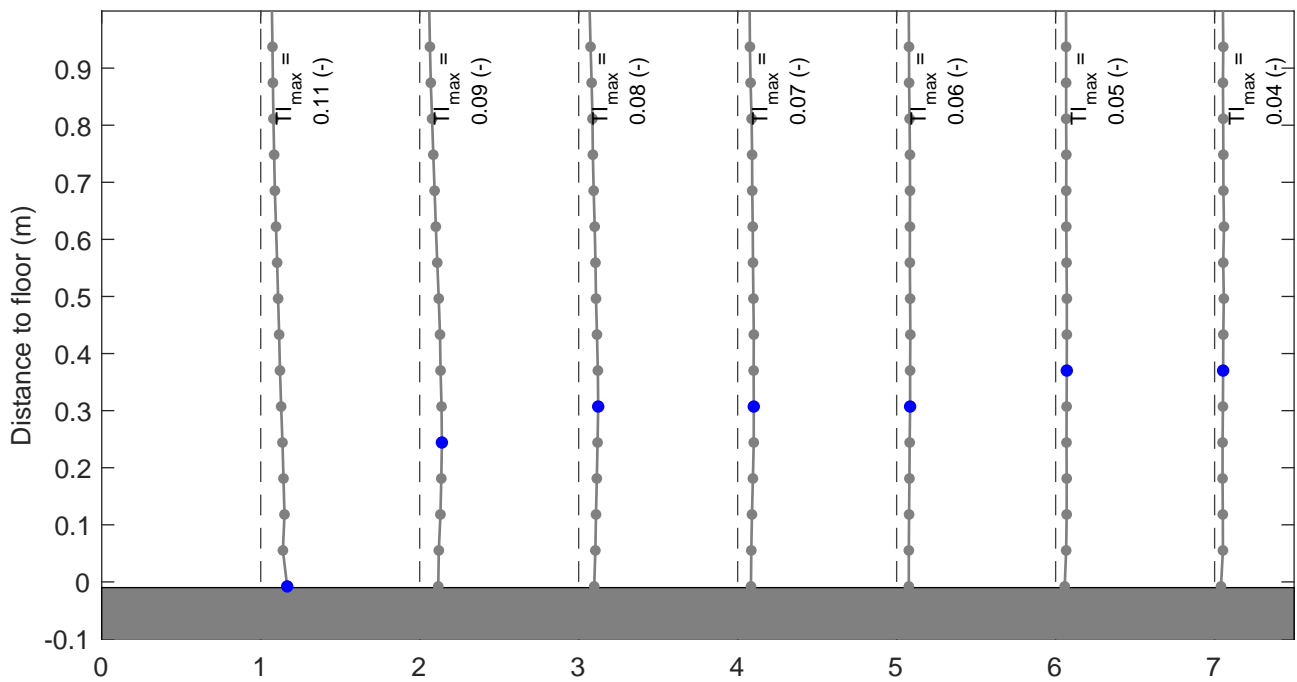
TKI-SOP

PIVSOP099

Deltares

11206641

Fig. J



Turbulence intensity profiles | Active thruster: BT2
 Maximum TI near bed and location in the vertical
 $\Delta x = 0.8 \text{ m}$, $\Delta y = 3.5 \text{ m}$, $UKC = 2.4 \text{ m}$, $U_{BT2} = 4.7 \text{ m/s}$

PIV, FOV1

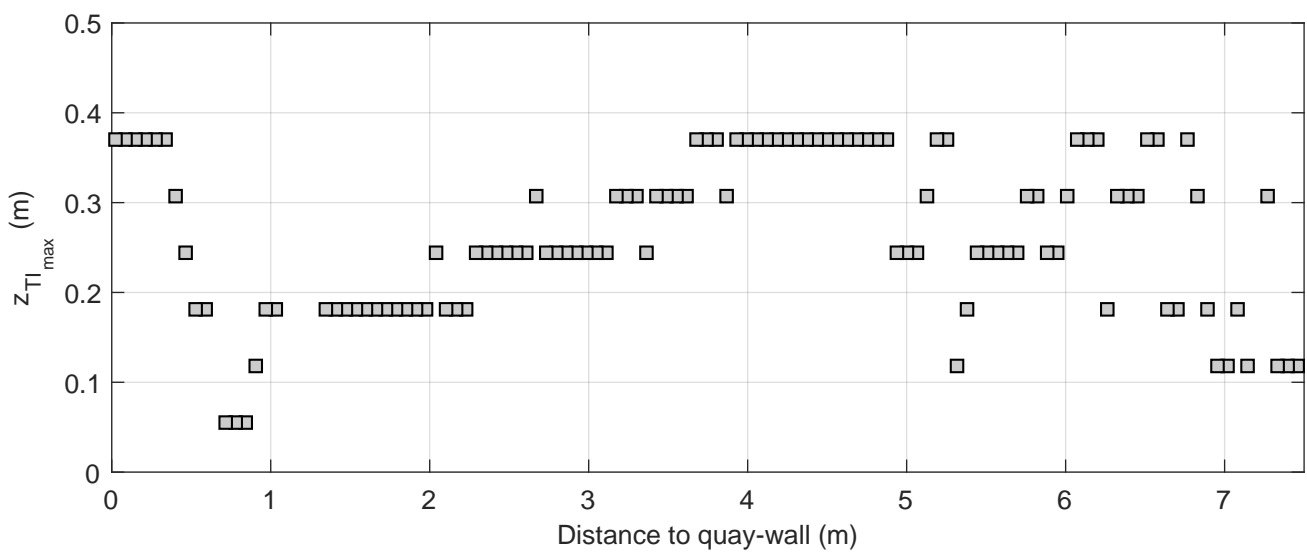
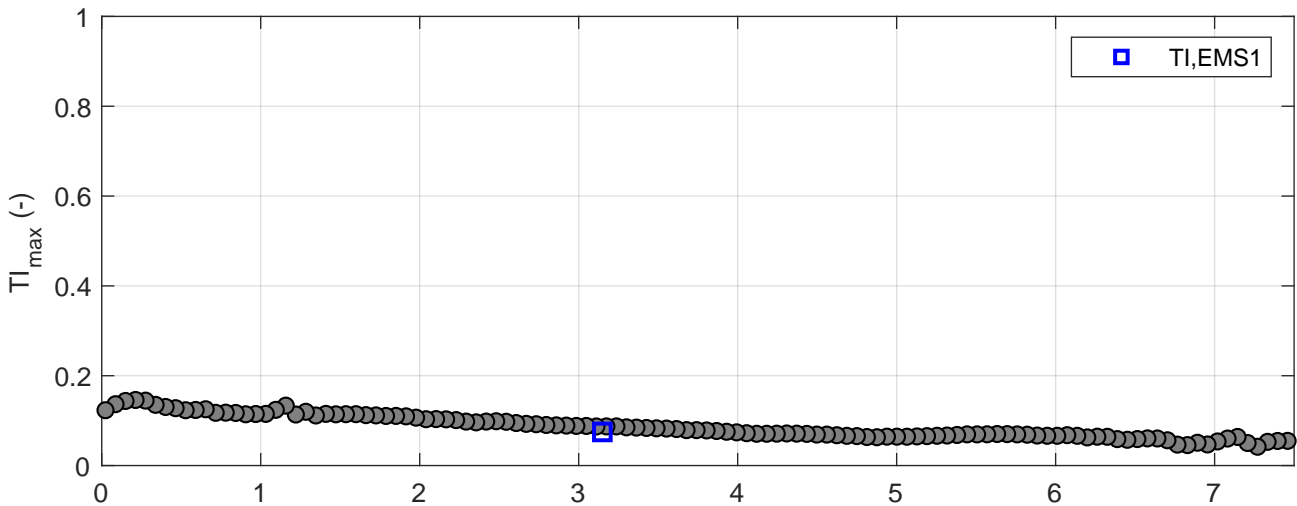
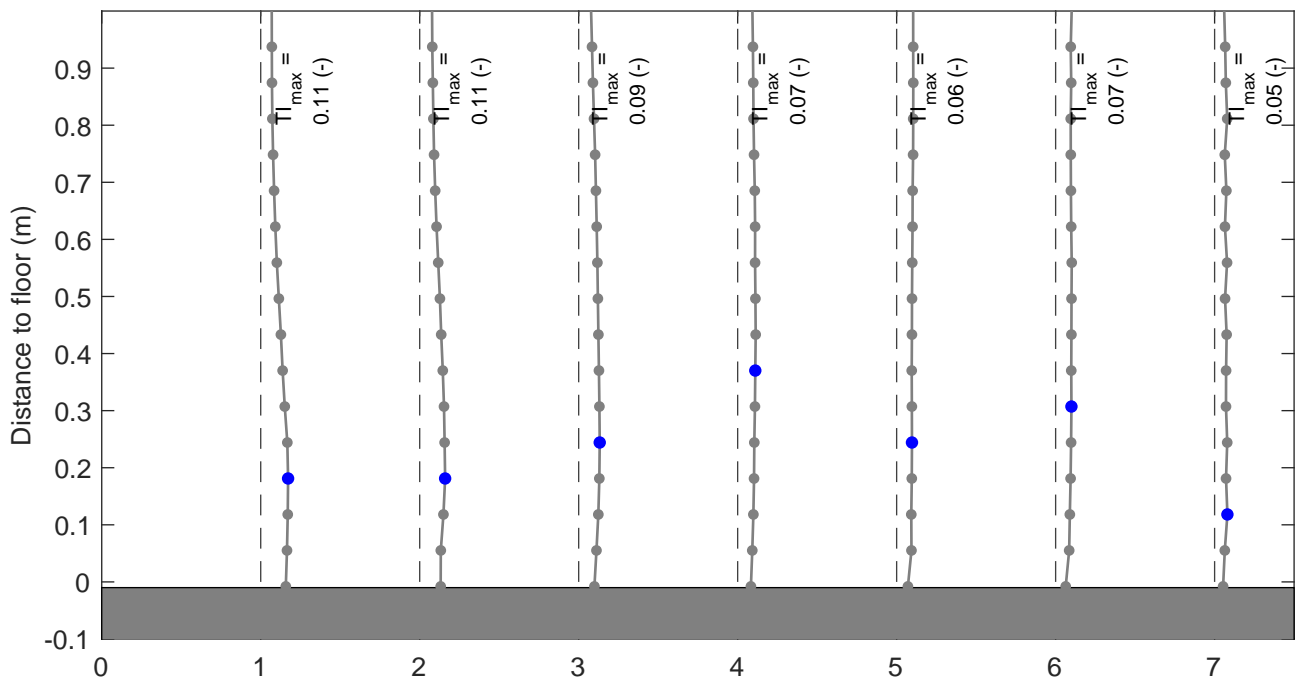
TKI-SOP

PIVSOP102

Deltares

11206641

Fig. J



Turbulence intensity profiles | Active thruster: BT2
 Maximum TI near bed and location in the vertical
 $\Delta x = 0.8 \text{ m}$, $\Delta y = 0.0 \text{ m}$, $UKC = 2.4 \text{ m}$, $U_{BT2} = 2.6 \text{ m/s}$

PIV, FOV1

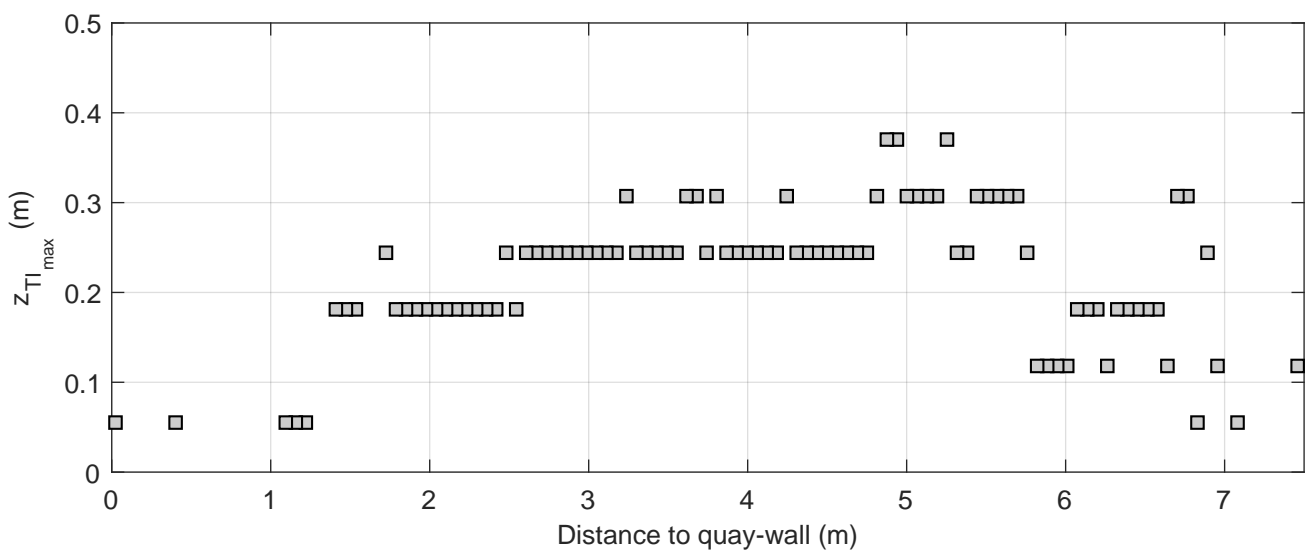
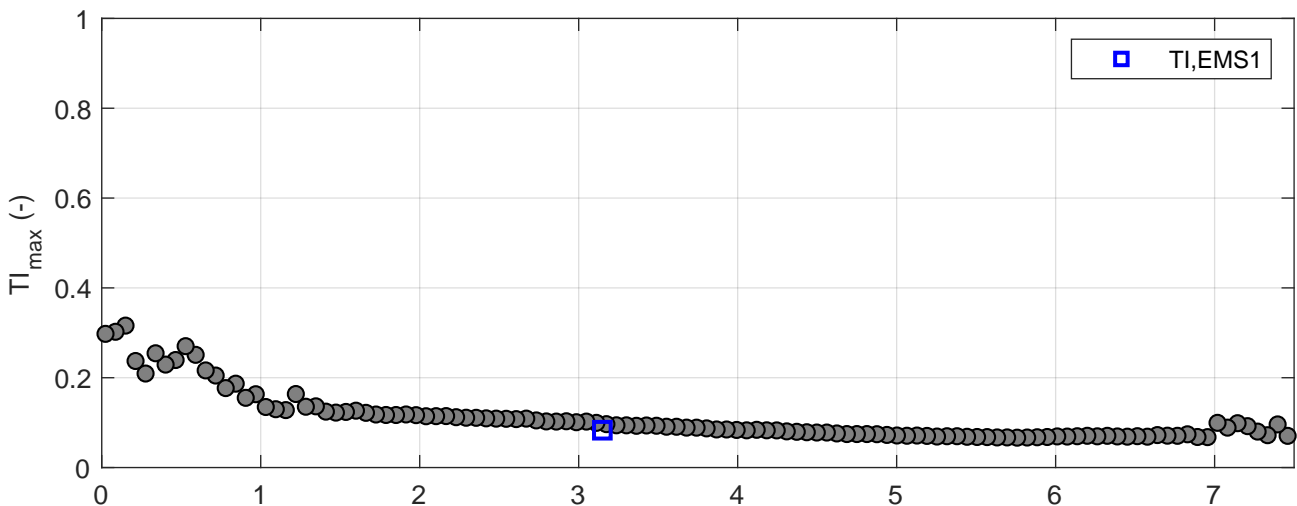
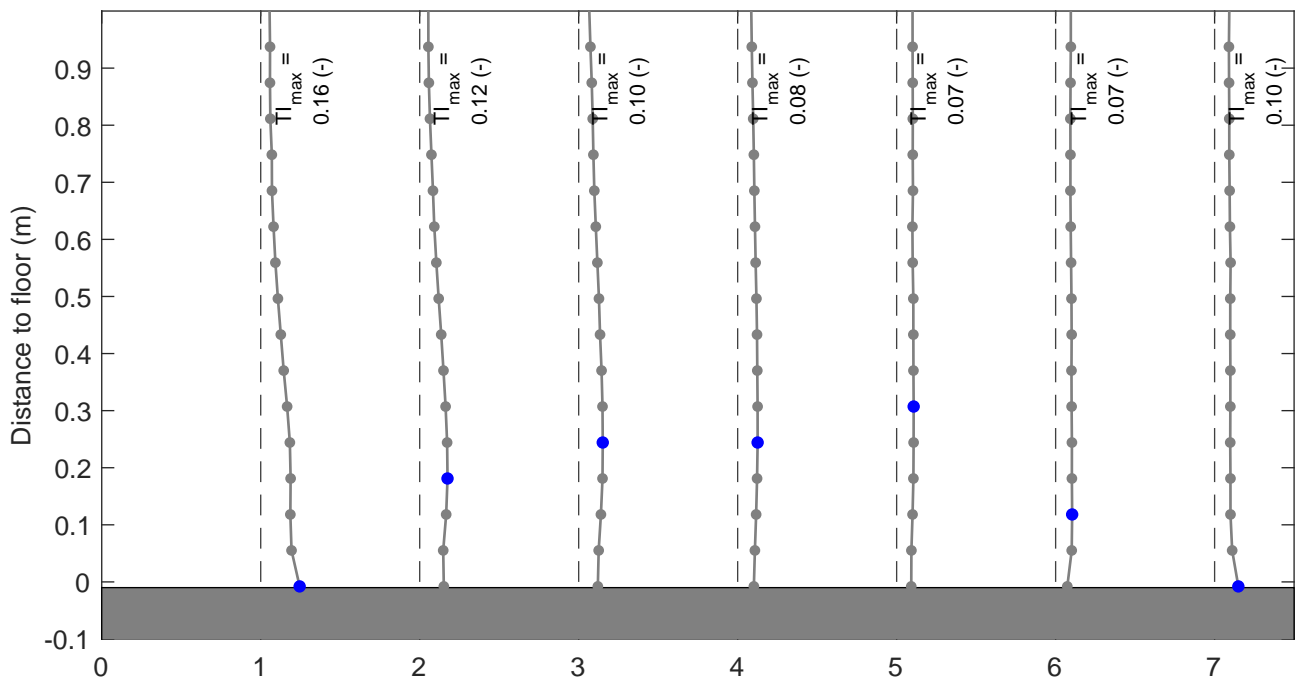
TKI-SOP

PIVSOP105

Deltares

11206641

Fig. J



Turbulence intensity profiles | Active thruster: BT2
 Maximum TI near bed and location in the vertical
 $\Delta x = 0.8 \text{ m}$, $\Delta y = 0.0 \text{ m}$, $UKC = 2.4 \text{ m}$, $U_{BT2} = 4.8 \text{ m/s}$

PIV, FOV1

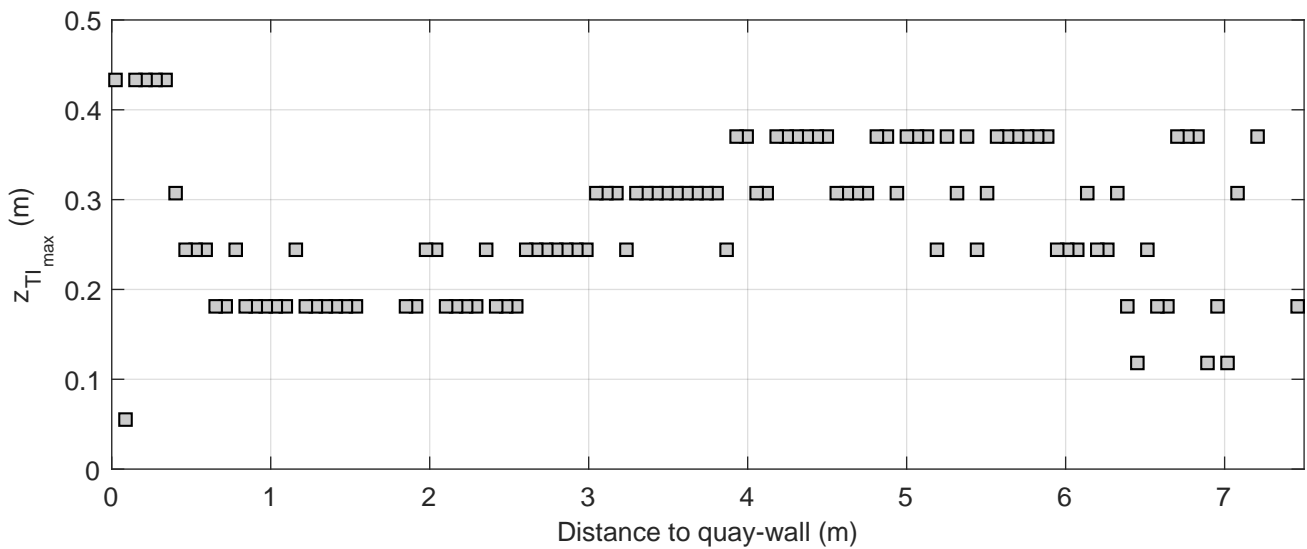
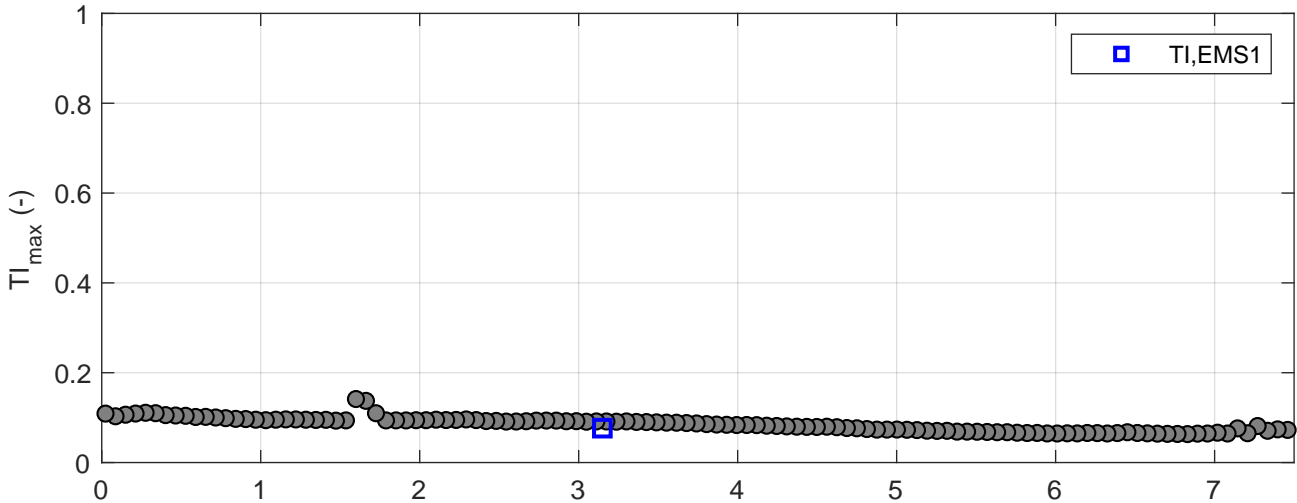
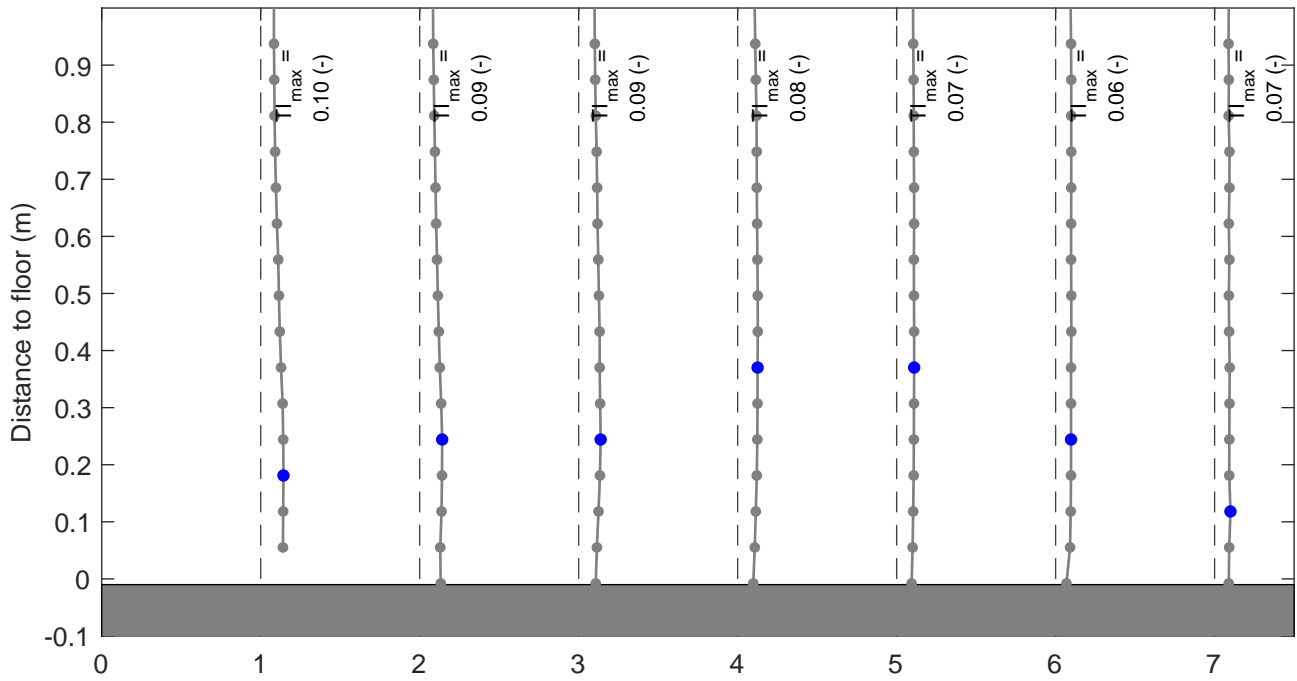
TKI-SOP

PIVSOP107

Deltares

11206641

Fig. J



Turbulence intensity profiles | Active thruster: BT2
 Maximum TI near bed and location in the vertical
 $\Delta x = 5.0 \text{ m}$, $\Delta y = 0.0 \text{ m}$, $UKC = 2.4 \text{ m}$, $U_{BT2} = 2.8 \text{ m/s}$

PIV, FOV1

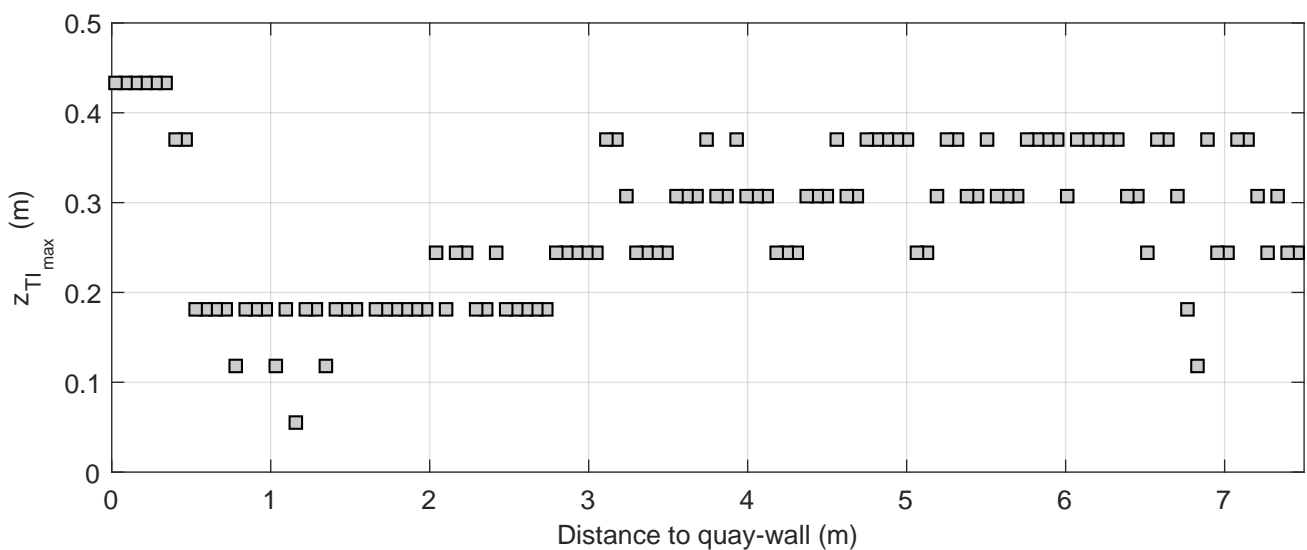
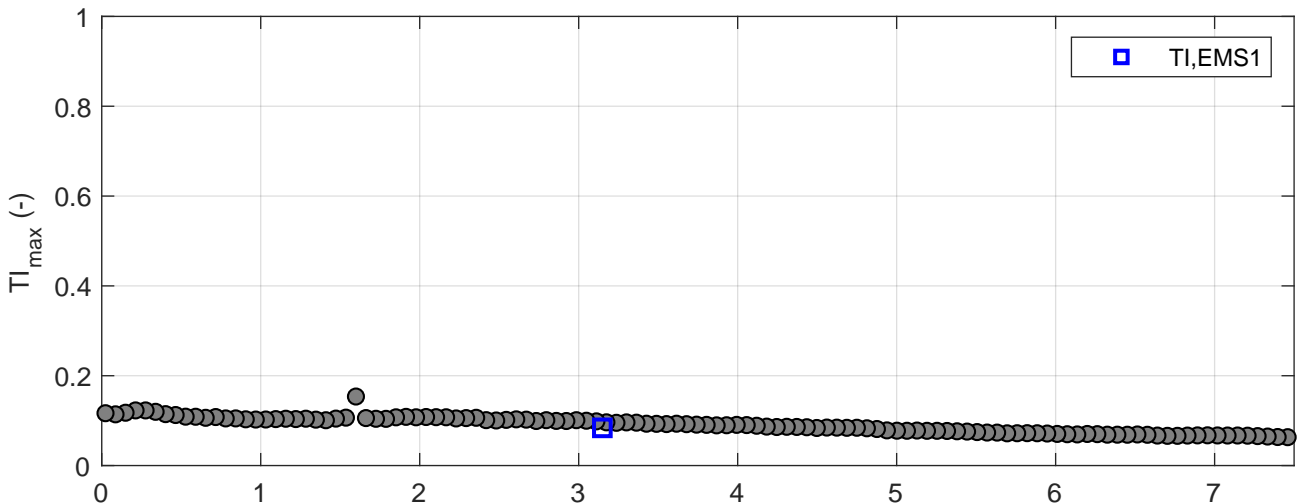
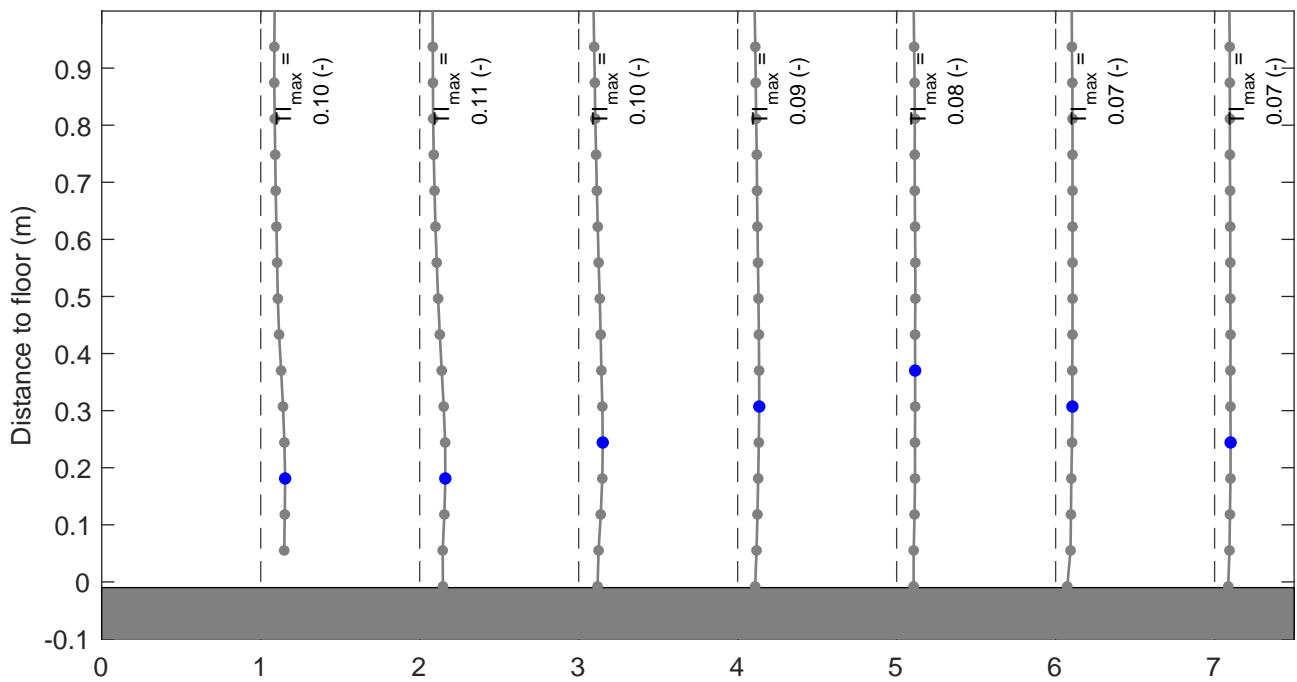
TKI-SOP

PIVSOP110

Deltares

11206641

Fig. J



Turbulence intensity profiles | Active thruster: BT2
 Maximum TI near bed and location in the vertical
 $\Delta x = 5.0 \text{ m}$, $\Delta y = 0.0 \text{ m}$, $UKC = 2.4 \text{ m}$, $U_{BT2} = 5.0 \text{ m/s}$

PIV, FOV1

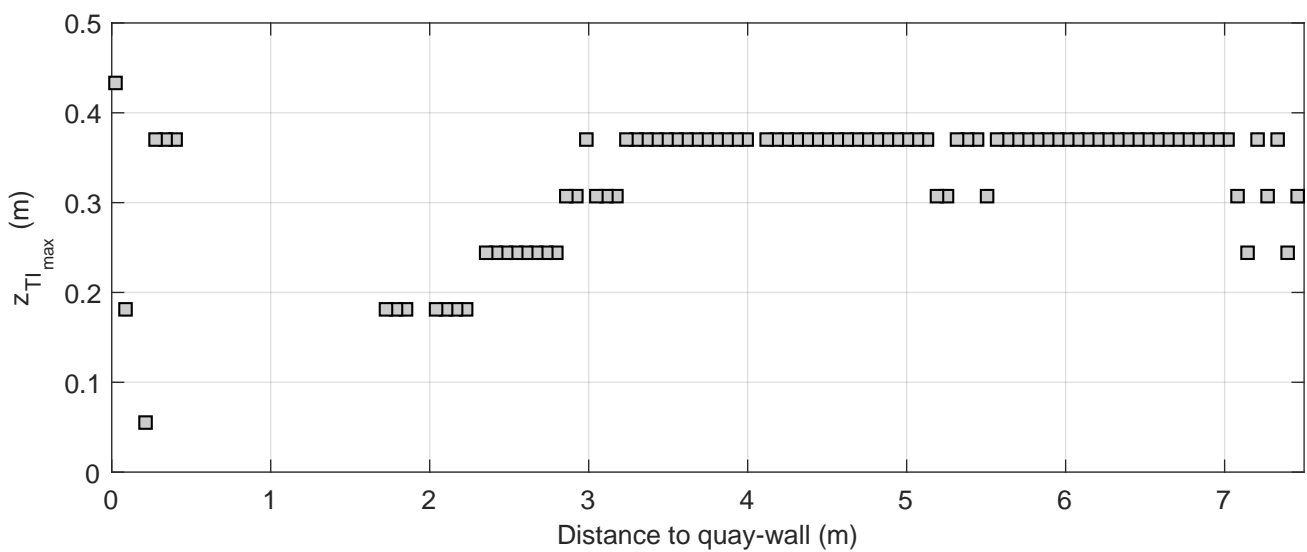
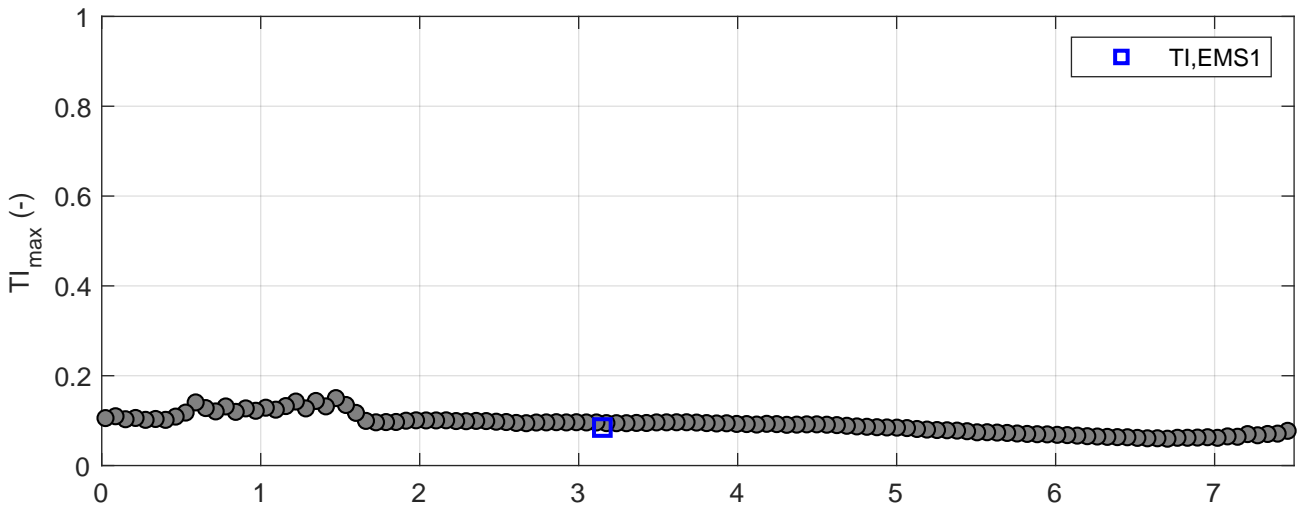
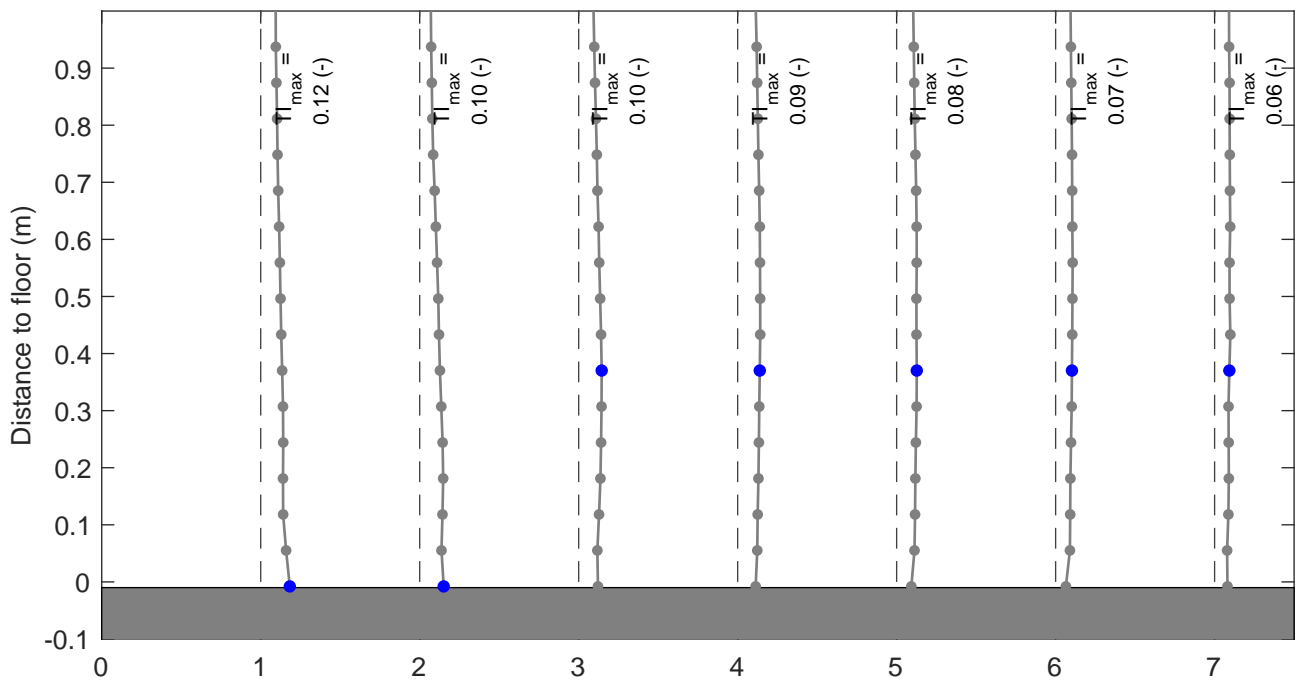
TKI-SOP

PIVSOP112

Deltares

11206641

Fig. J



Turbulence intensity profiles | Active thruster: BT2
 Maximum TI near bed and location in the vertical
 $\Delta x = 5.0$ m, $\Delta y = -2.0$ m, UKC = 2.4 m, $U_{BT2} = 2.8$ m/s

PIV, FOV1

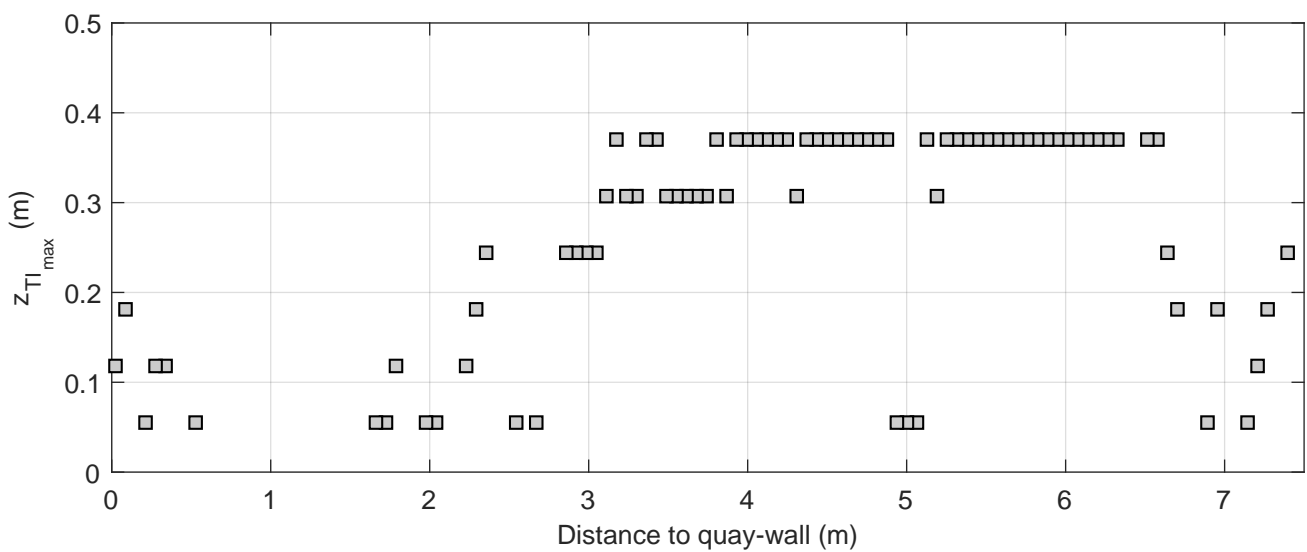
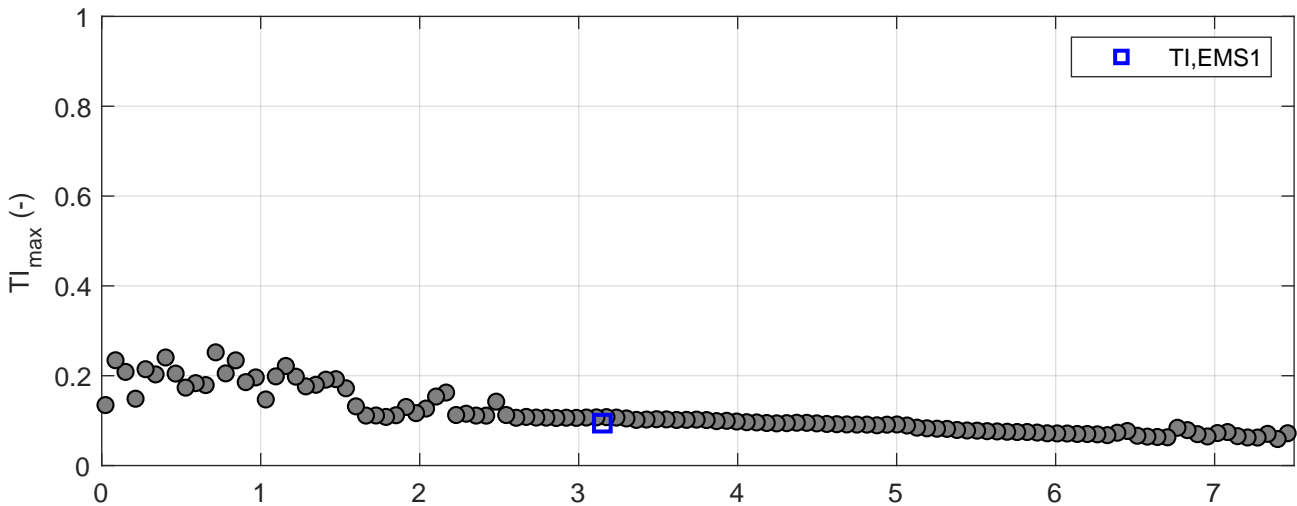
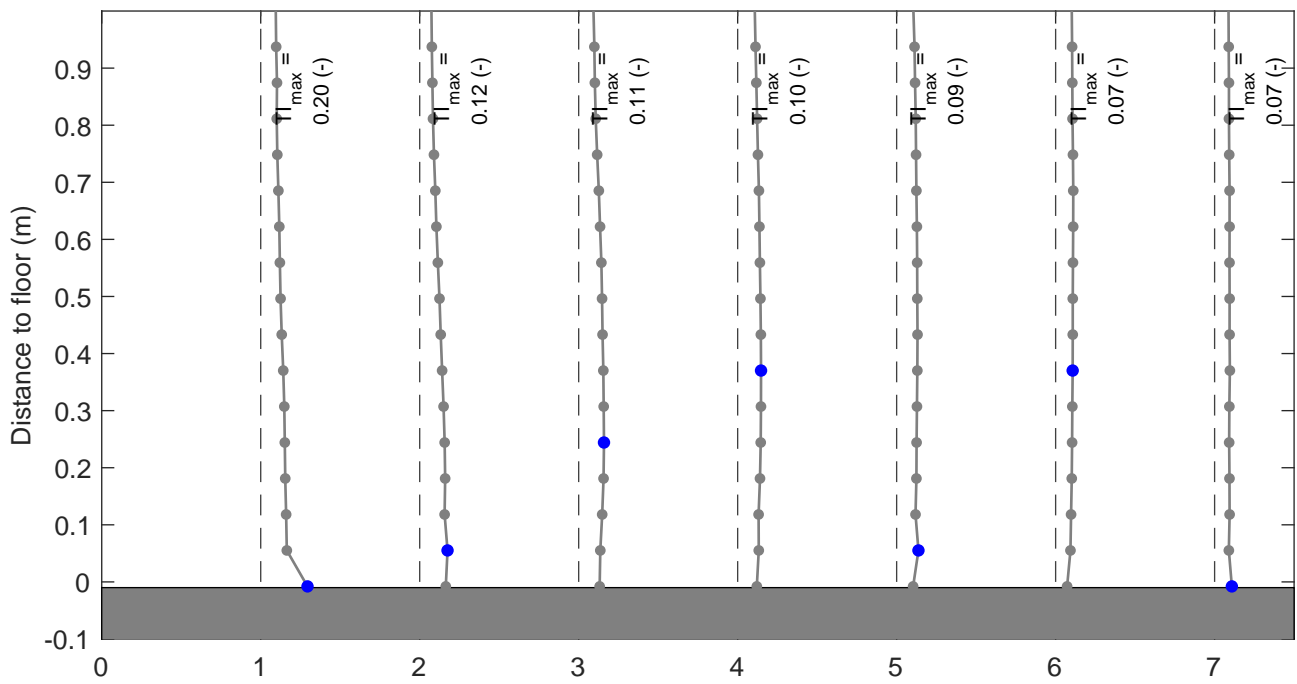
TKI-SOP

PIVSOP115

Deltares

11206641

Fig. J



Turbulence intensity profiles | Active thruster: BT2
 Maximum TI near bed and location in the vertical
 $\Delta x = 5.0 \text{ m}$, $\Delta y = -2.0 \text{ m}$, $UKC = 2.4 \text{ m}$, $U_{BT2} = 5.1 \text{ m/s}$

PIV, FOV1

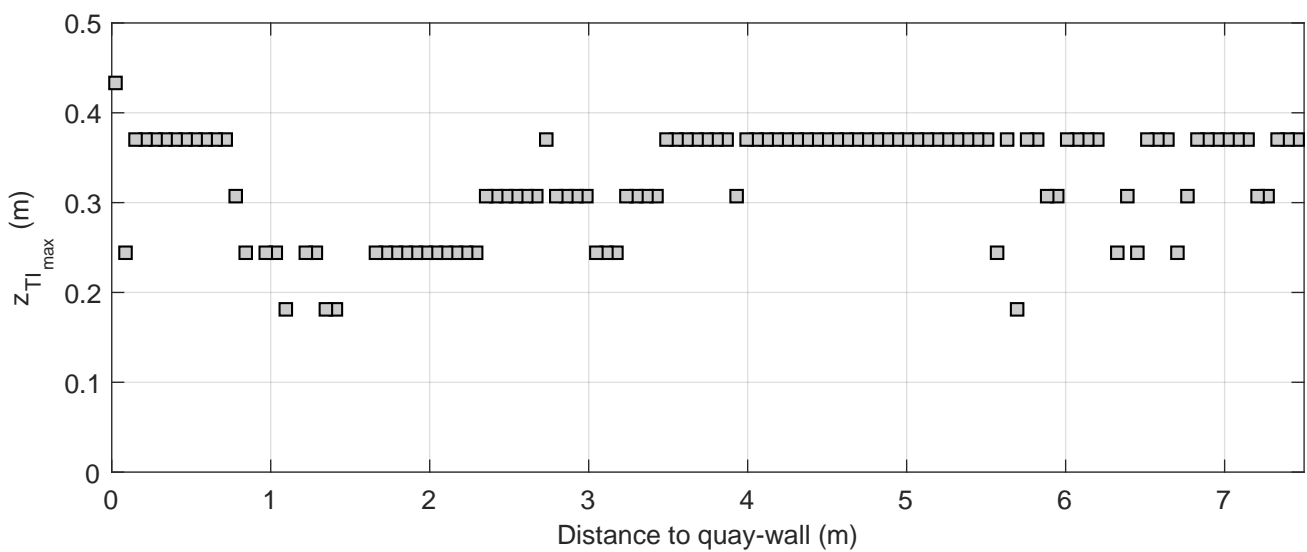
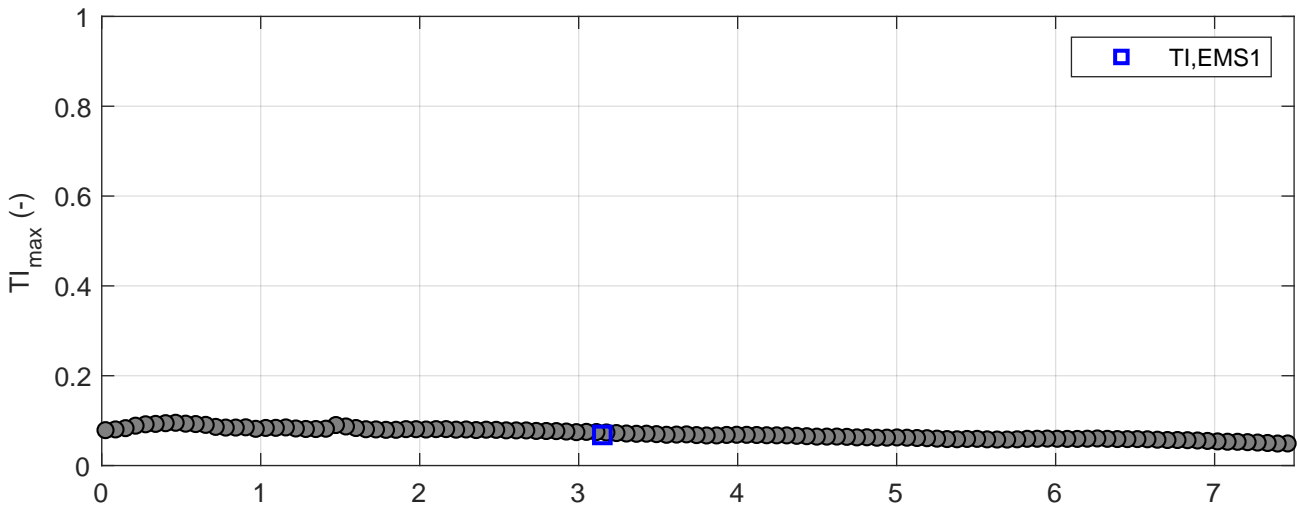
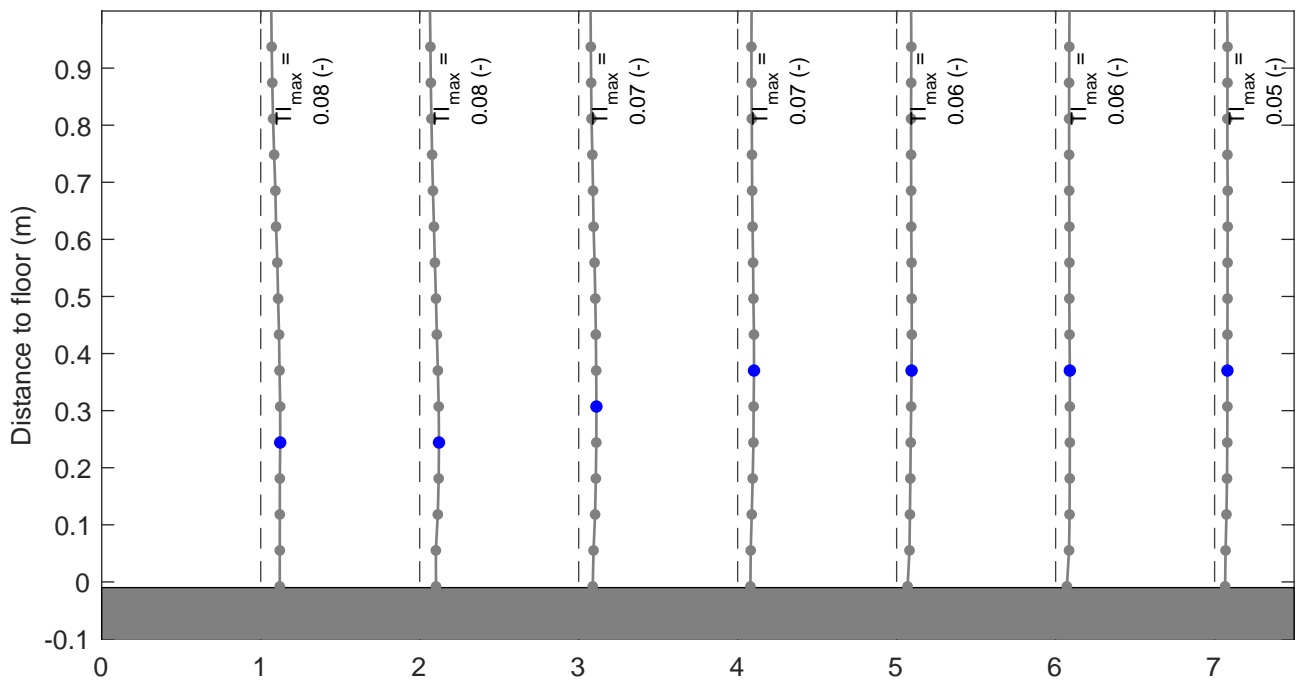
TKI-SOP

PIVSOP117

Deltares

11206641

Fig. J



Turbulence intensity profiles | Active thruster: BT2
 Maximum TI near bed and location in the vertical
 $\Delta x = 5.0$ m, $\Delta y = 2.0$ m, UKC = 2.4 m, $U_{BT2} = 2.8$ m/s

PIV, FOV1

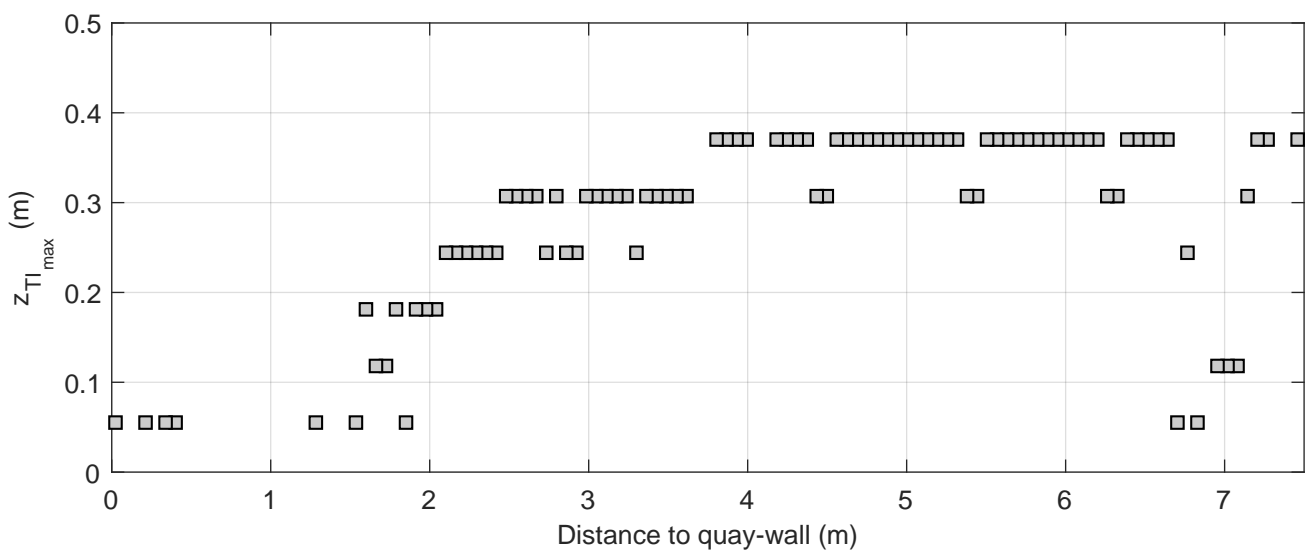
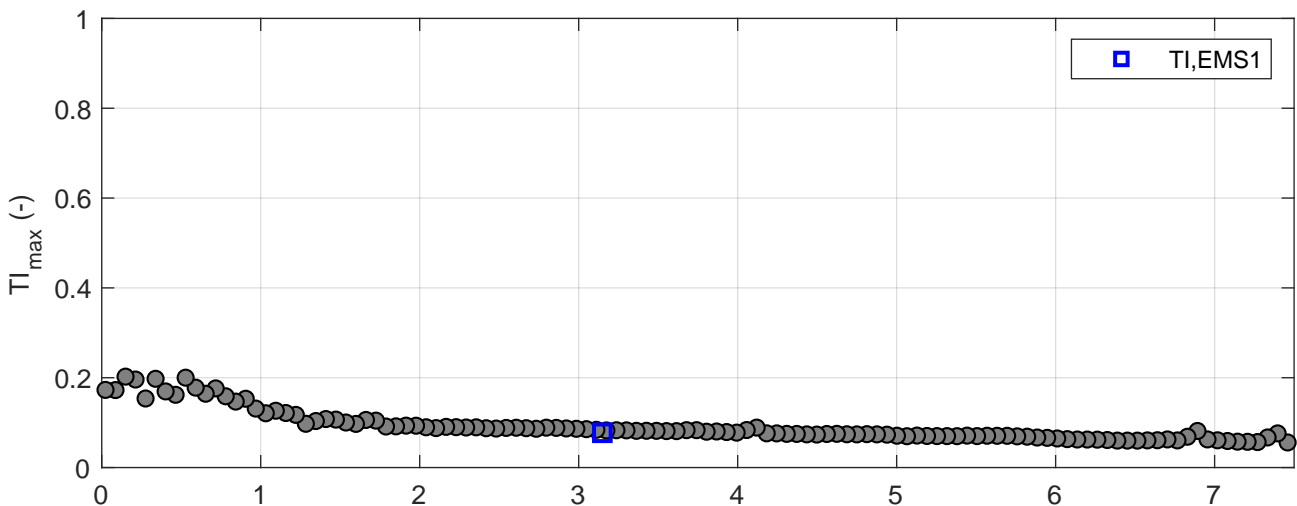
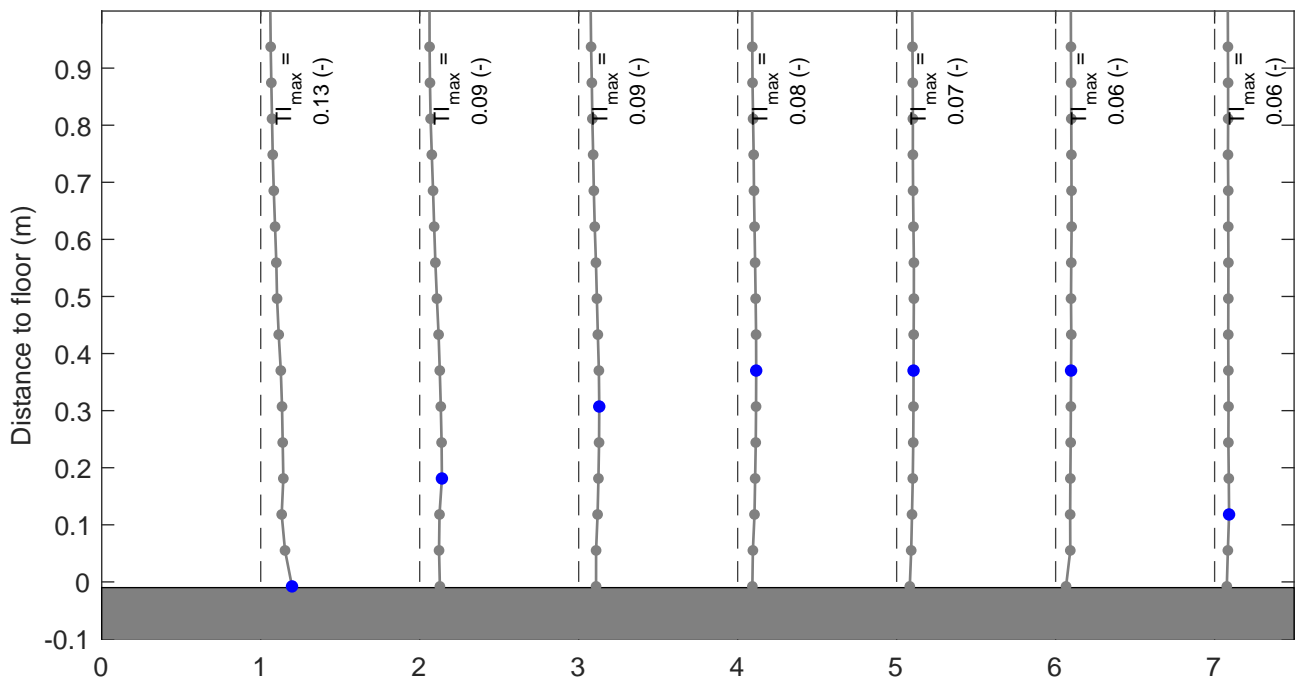
TKI-SOP

PIVSOP119

Deltares

11206641

Fig. J



Turbulence intensity profiles | Active thruster: BT2
 Maximum TI near bed and location in the vertical
 $\Delta x = 5.0$ m, $\Delta y = 2.0$ m, UKC = 2.4 m, $U_{BT2} = 4.8$ m/s

PIV, FOV1

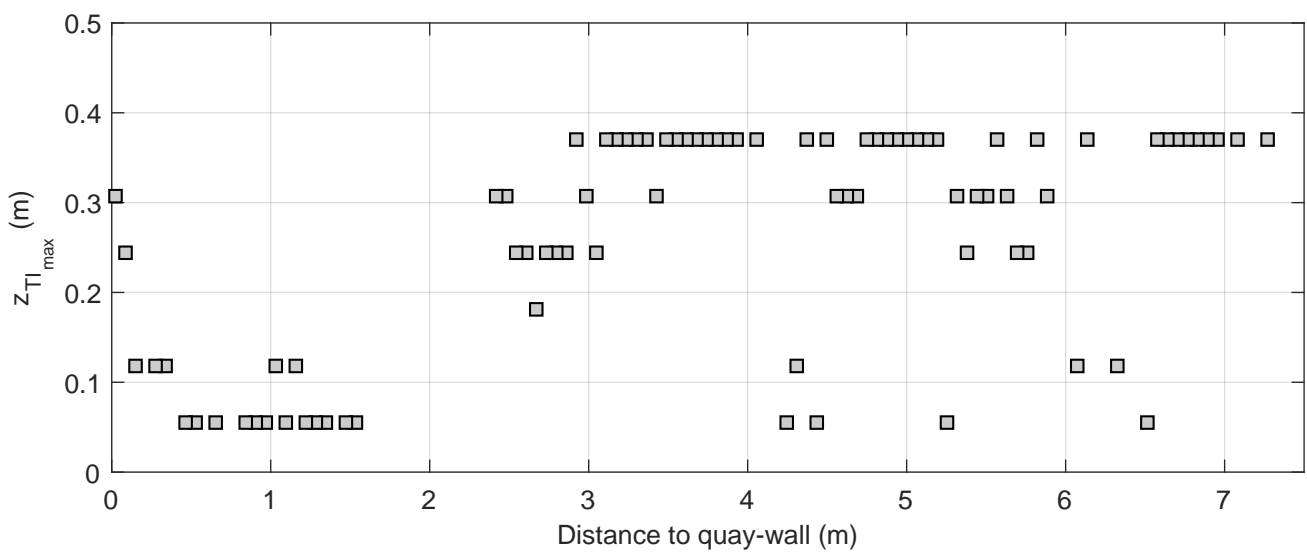
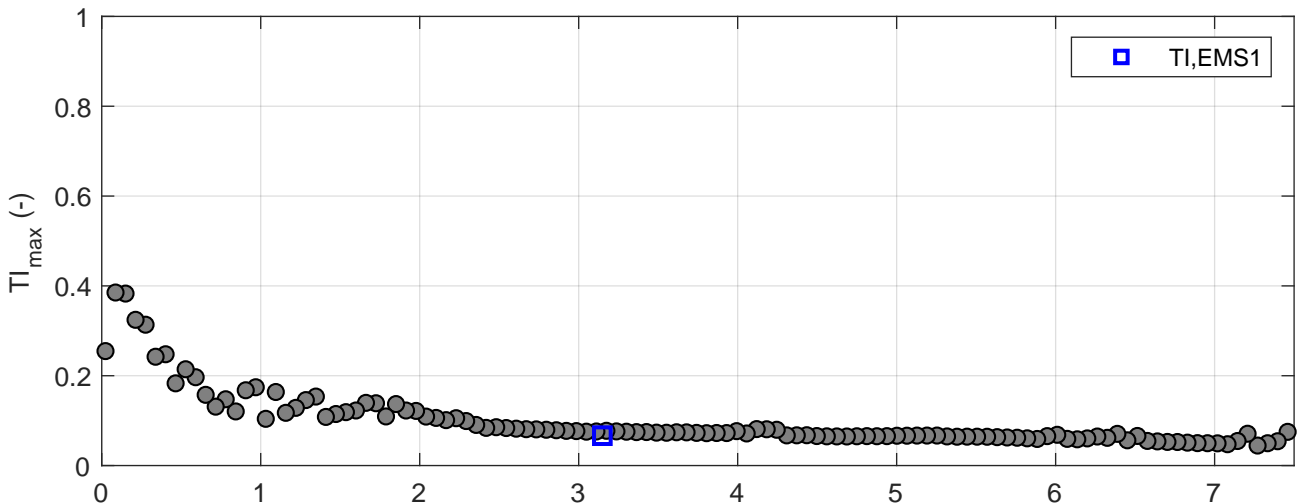
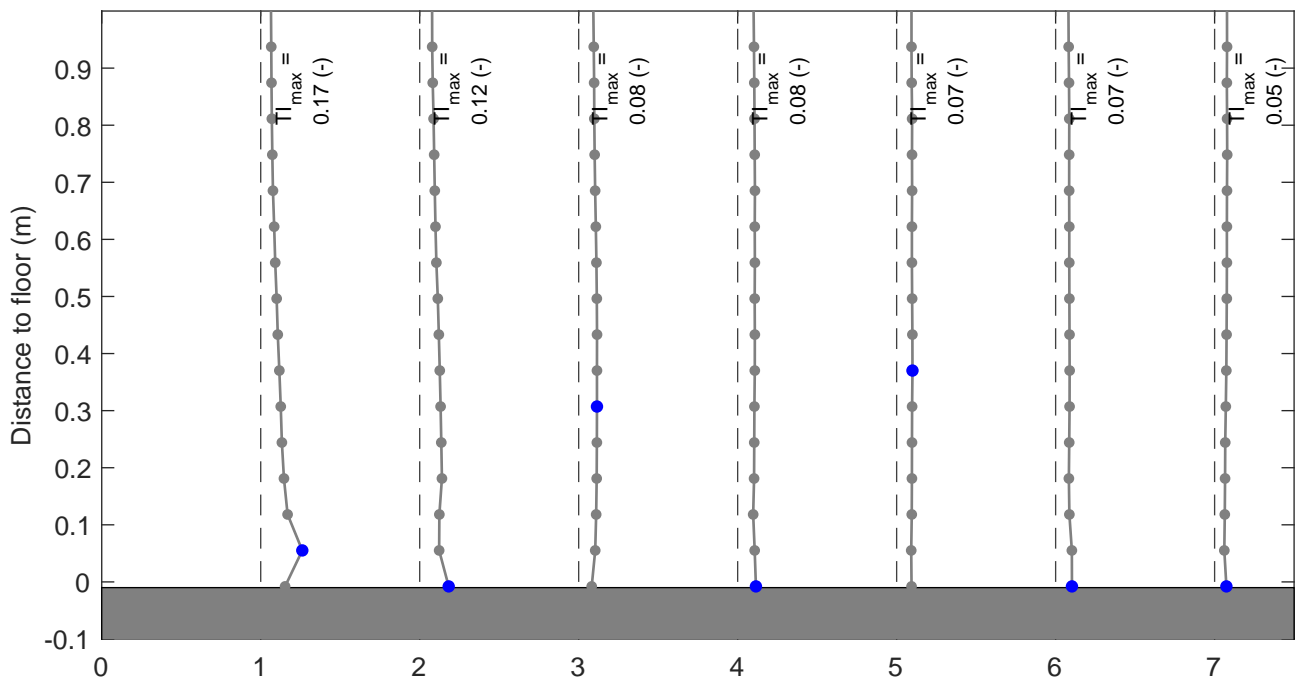
TKI-SOP

PIVSOP121

Deltares

11206641

Fig. J



Turbulence intensity profiles | Active thruster: BT2
 Maximum TI near bed and location in the vertical
 $\Delta x = 3.0$ m, $\Delta y = 2.0$ m, UKC = 2.4 m, $U_{BT2} = 2.8$ m/s

PIV, FOV1

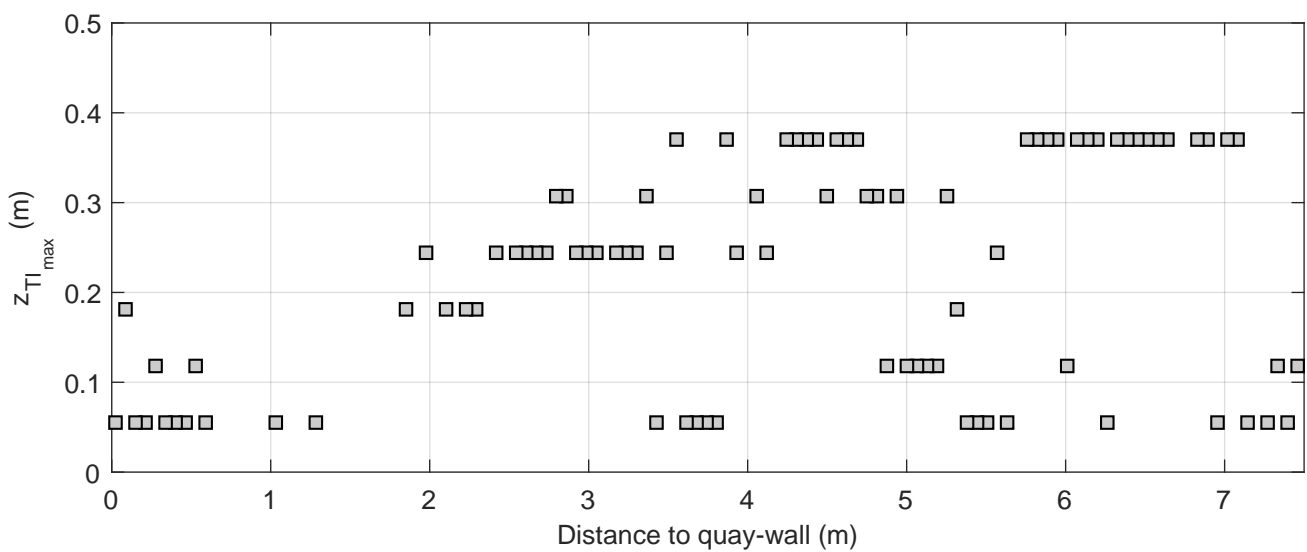
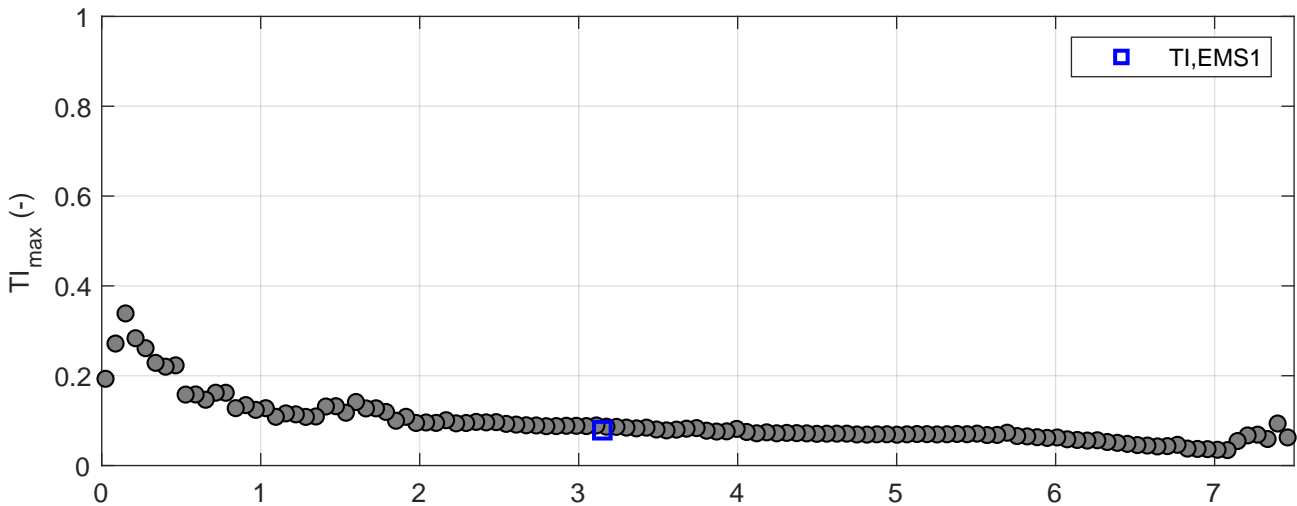
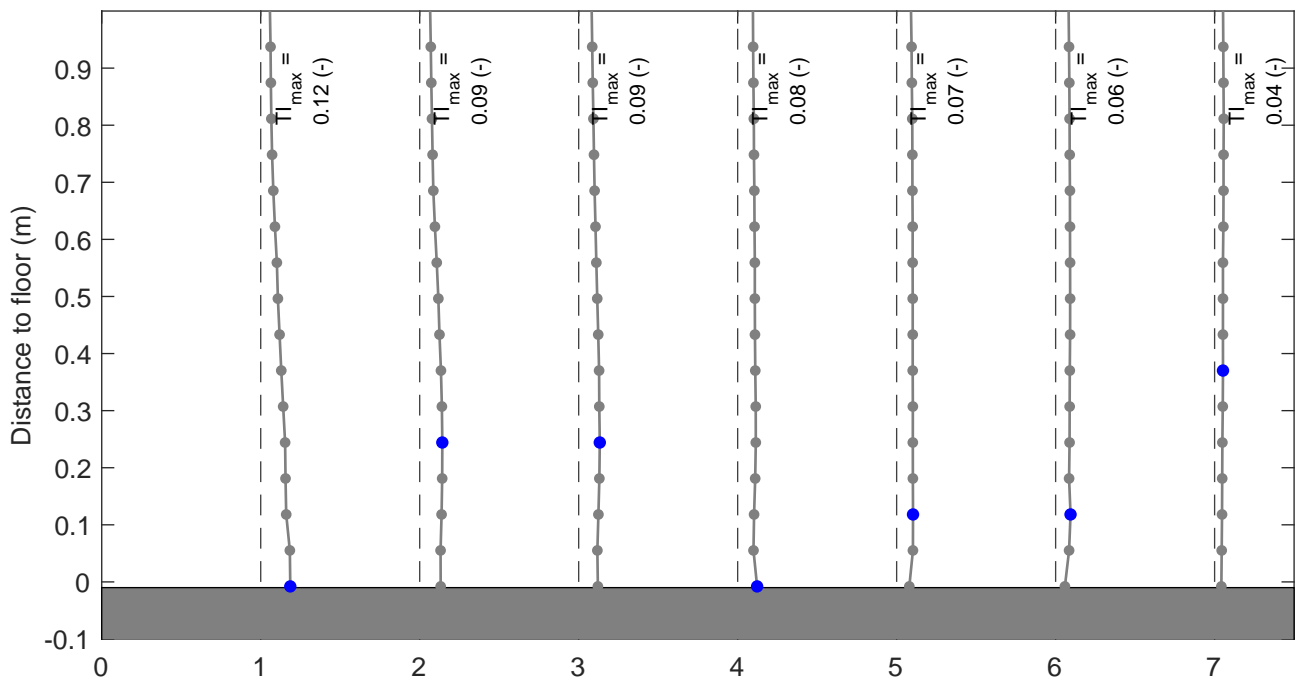
TKI-SOP

PIVSOP124

Deltares

11206641

Fig. J



Turbulence intensity profiles | Active thruster: BT2
 Maximum TI near bed and location in the vertical
 $\Delta x = 3.0 \text{ m}$, $\Delta y = 2.0 \text{ m}$, $UKC = 2.4 \text{ m}$, $U_{BT2} = 5.0 \text{ m/s}$

PIV, FOV1

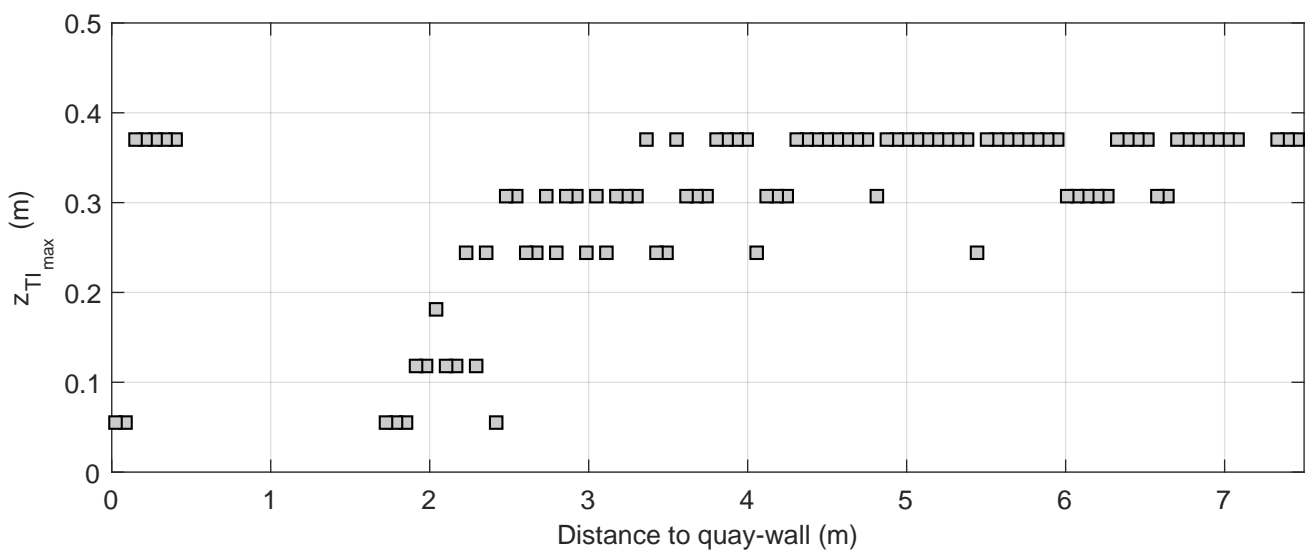
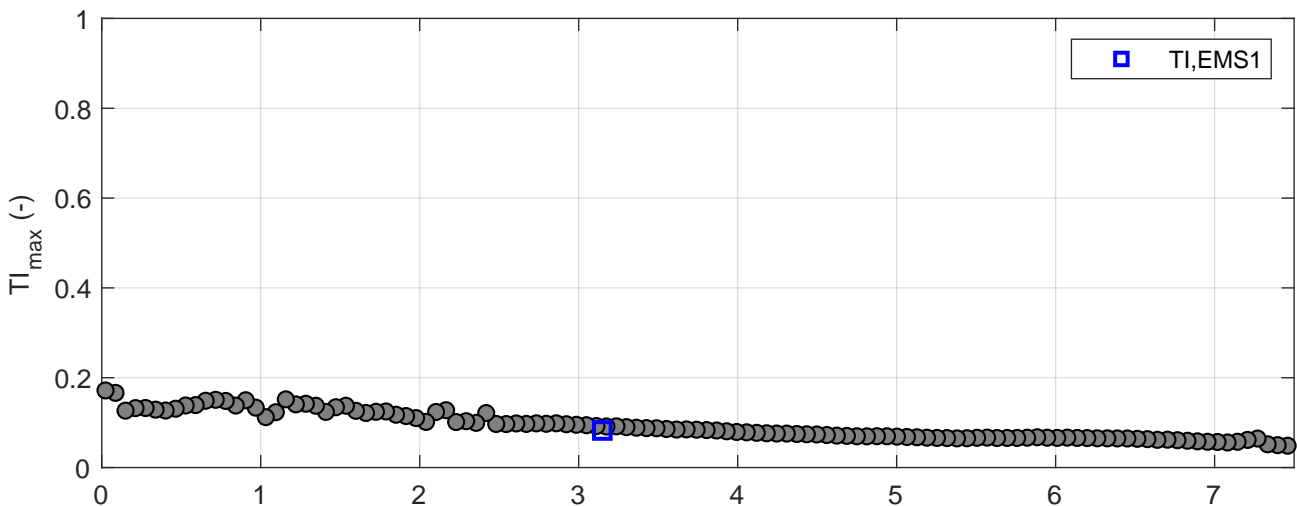
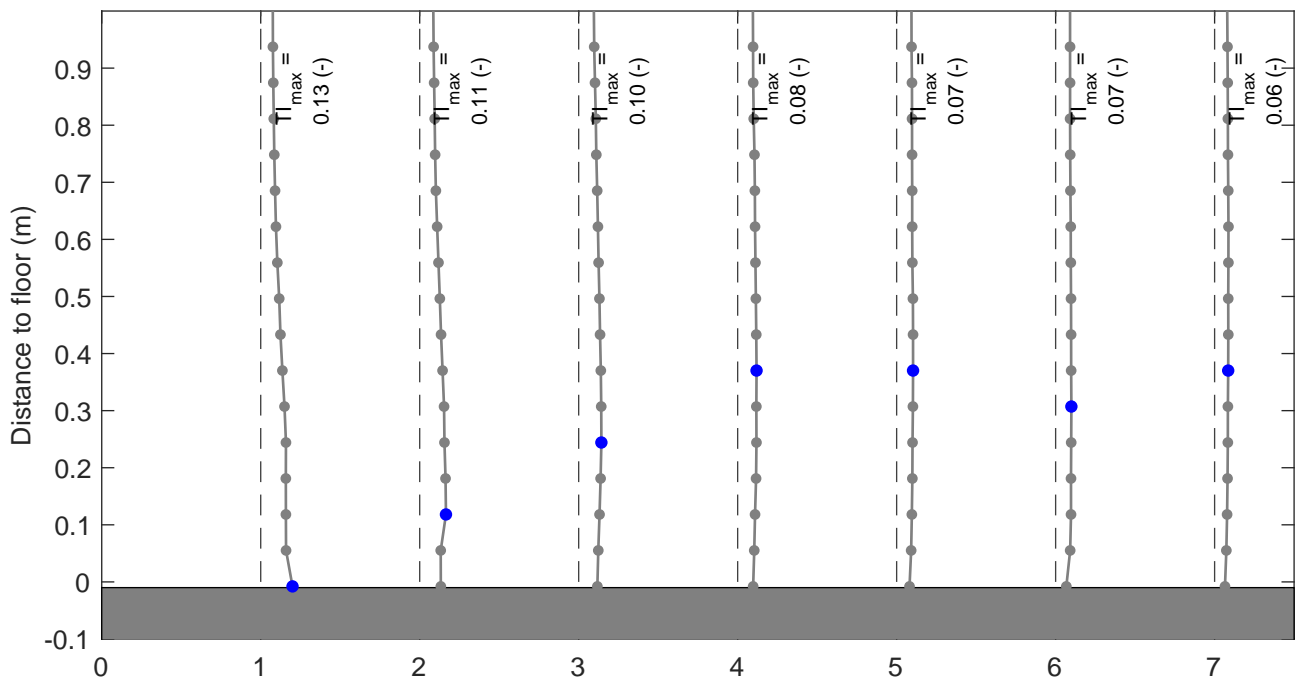
TKI-SOP

PIVSOP126

Deltares

11206641

Fig. J



Turbulence intensity profiles | Active thruster: BT2
 Maximum TI near bed and location in the vertical
 $\Delta x = 3.0$ m, $\Delta y = 0.0$ m, UKC = 2.4 m, $U_{BT2} = 2.8$ m/s

PIV, FOV1

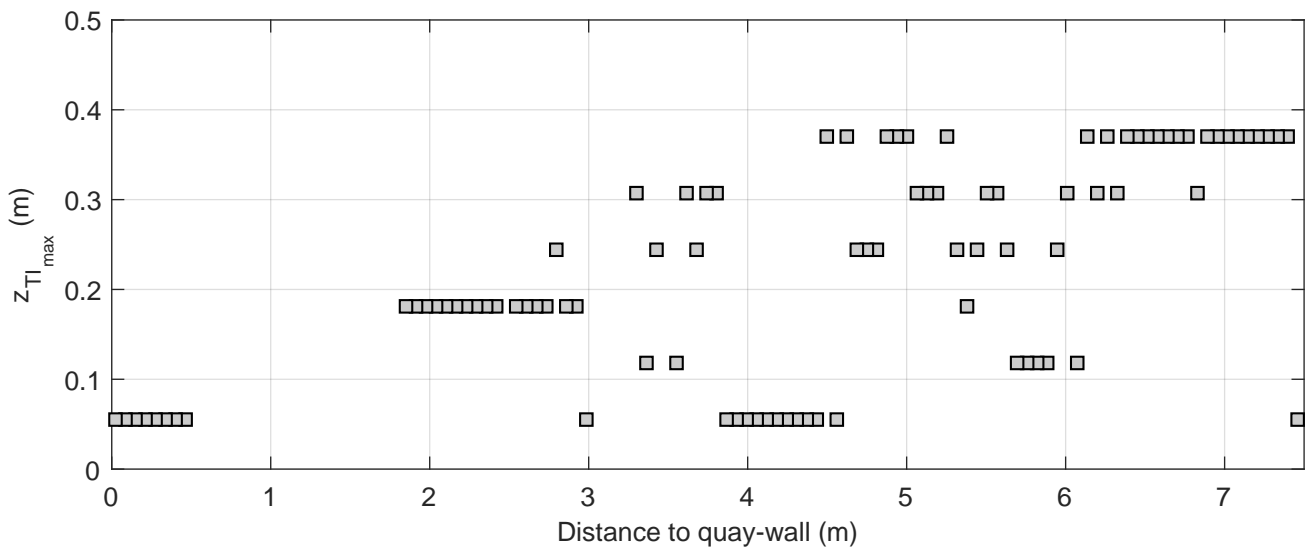
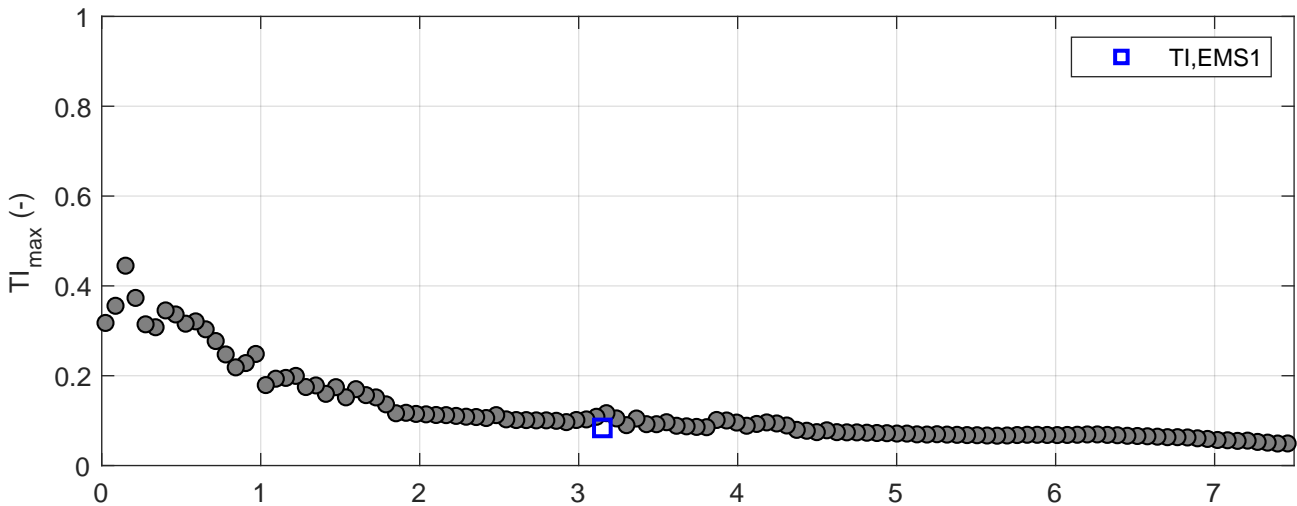
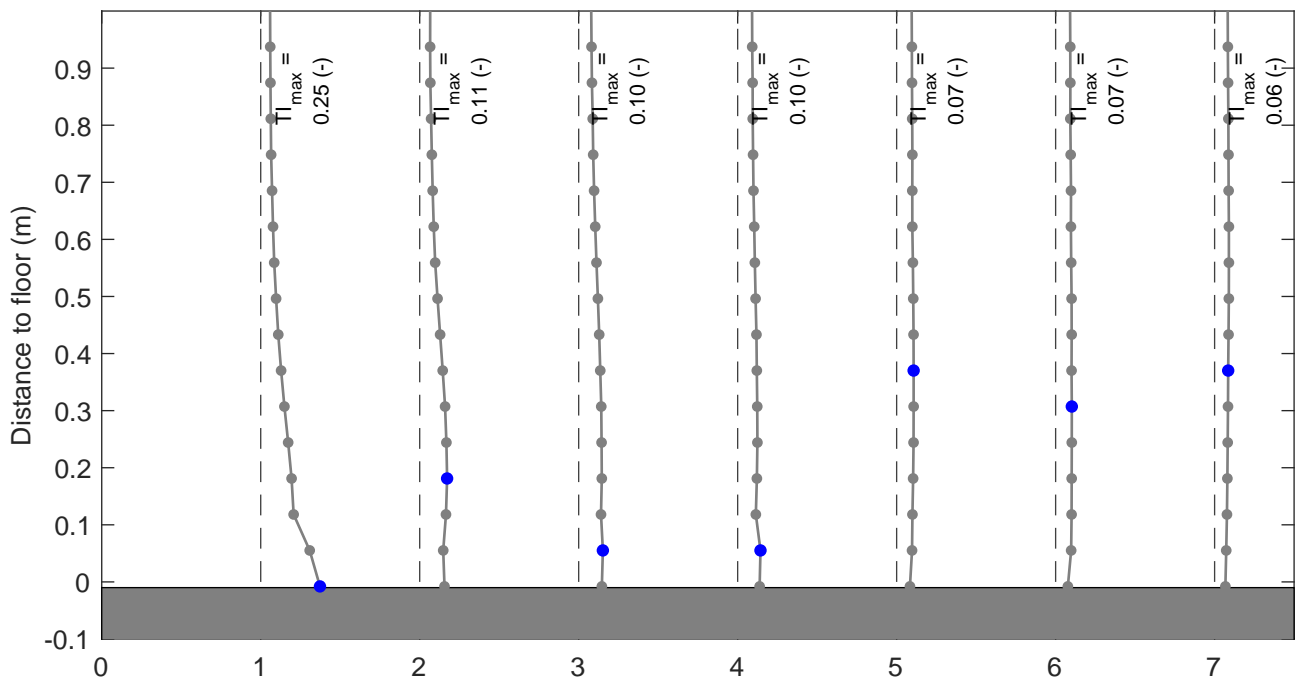
TKI-SOP

PIVSOP131

Deltares

11206641

Fig. J



Turbulence intensity profiles | Active thruster: BT2
 Maximum TI near bed and location in the vertical
 $\Delta x = 3.0$ m, $\Delta y = 0.0$ m, UKC = 2.4 m, $U_{BT2} = 5.0$ m/s

PIV, FOV1

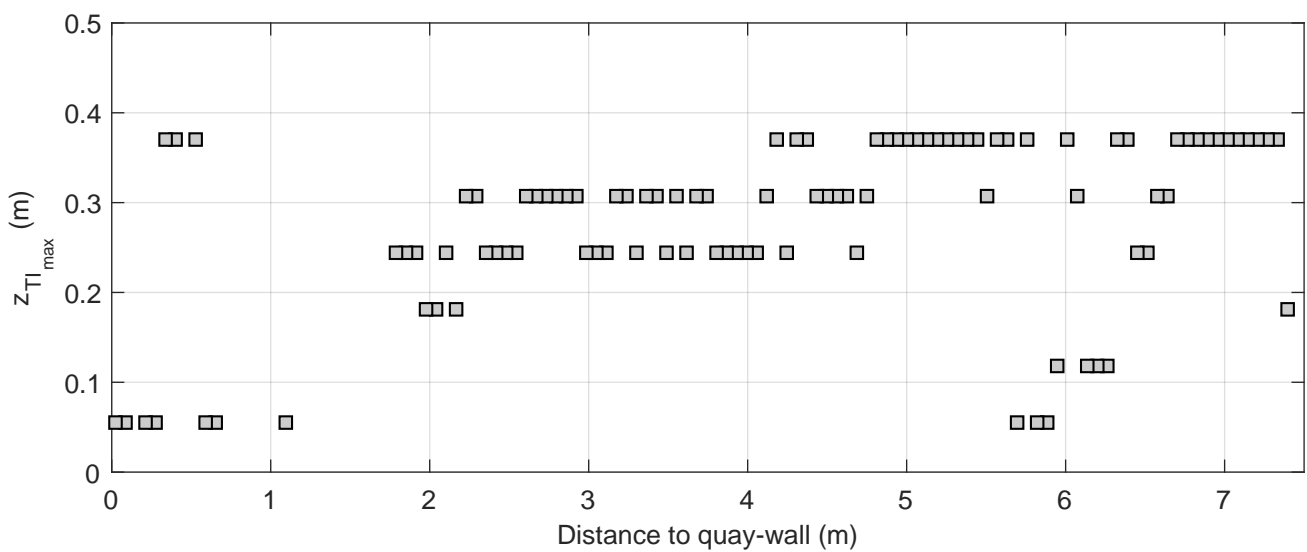
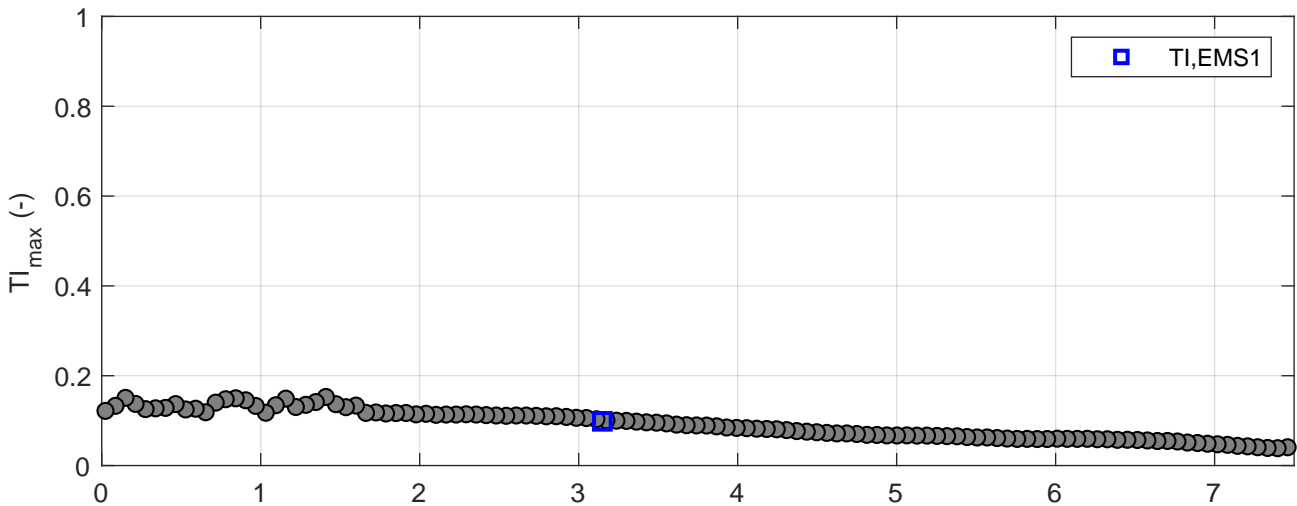
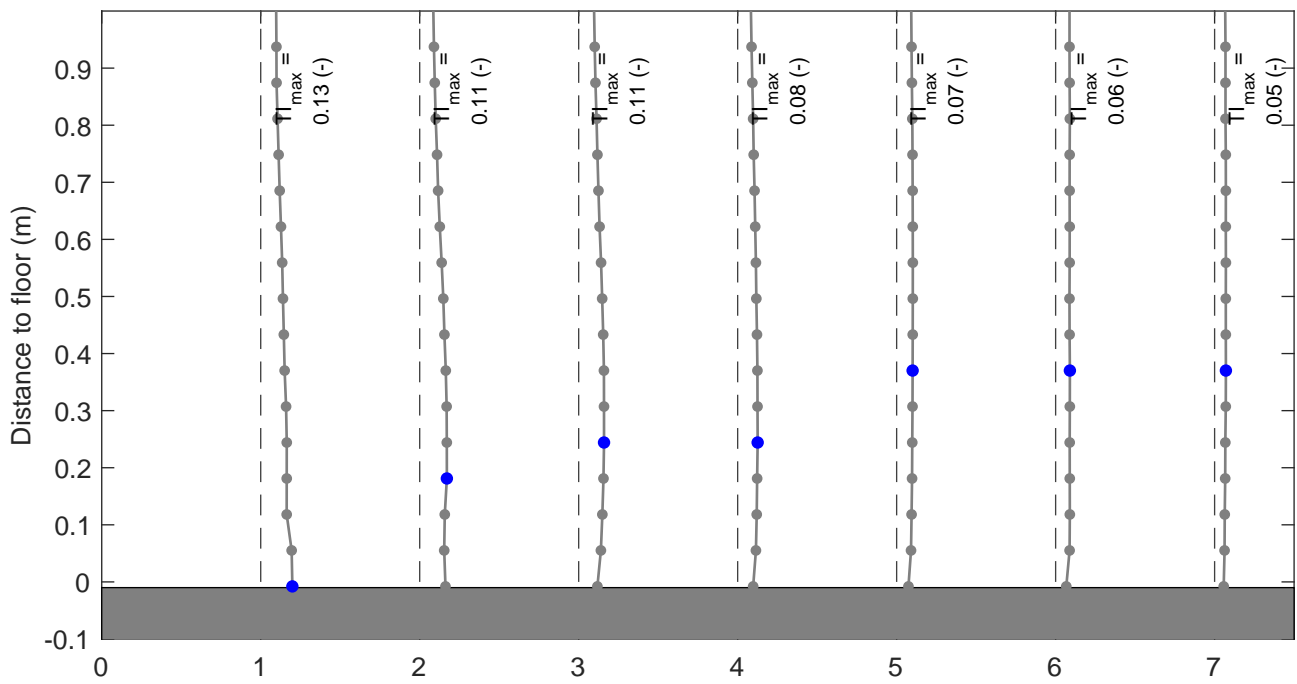
TKI-SOP

PIVSOP133

Deltares

11206641

Fig. J



Turbulence intensity profiles | Active thruster: BT2
 Maximum TI near bed and location in the vertical
 $\Delta x = 3.0$ m, $\Delta y = -2.0$ m, UKC = 2.5 m, $U_{BT2} = 2.8$ m/s

PIV, FOV1

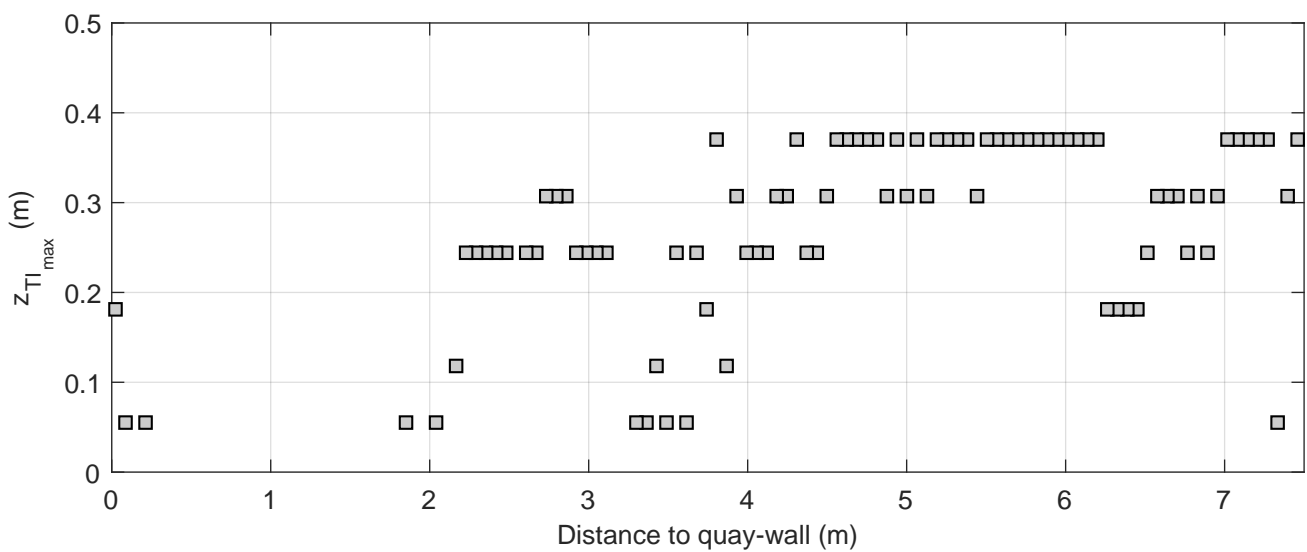
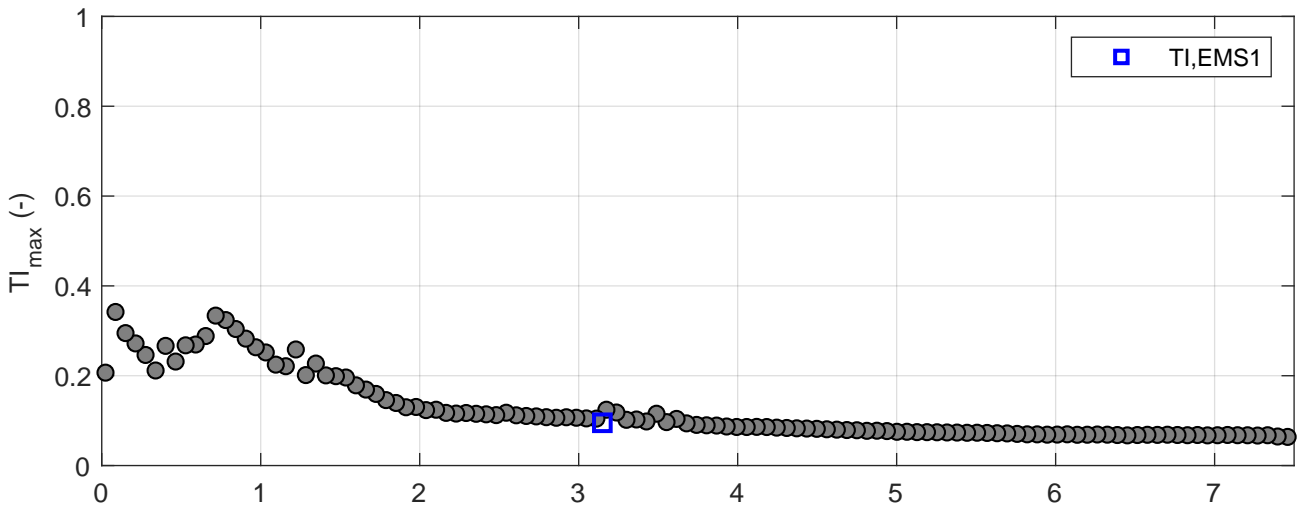
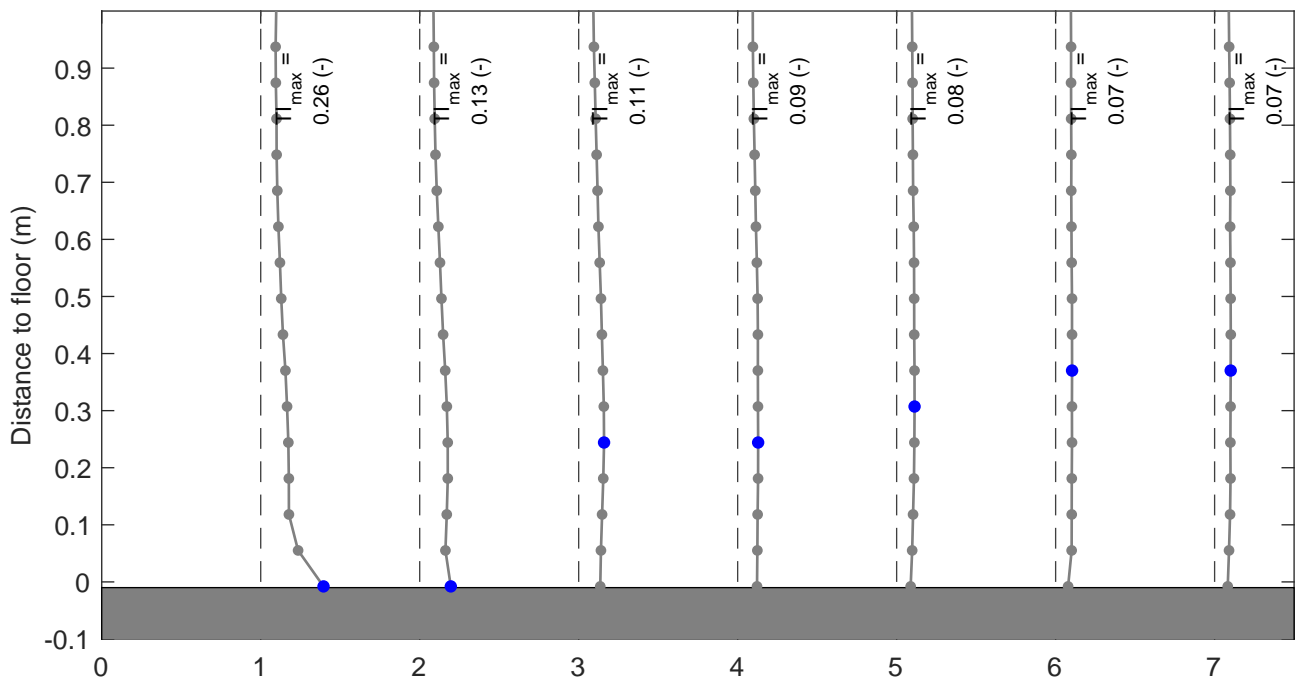
TKI-SOP

PIVSOP135

Deltares

11206641

Fig. J



Turbulence intensity profiles | Active thruster: BT2
 Maximum TI near bed and location in the vertical
 $\Delta x = 3.0$ m, $\Delta y = -2.0$ m, UKC = 2.5 m, $U_{BT2} = 5.0$ m/s

PIV, FOV1

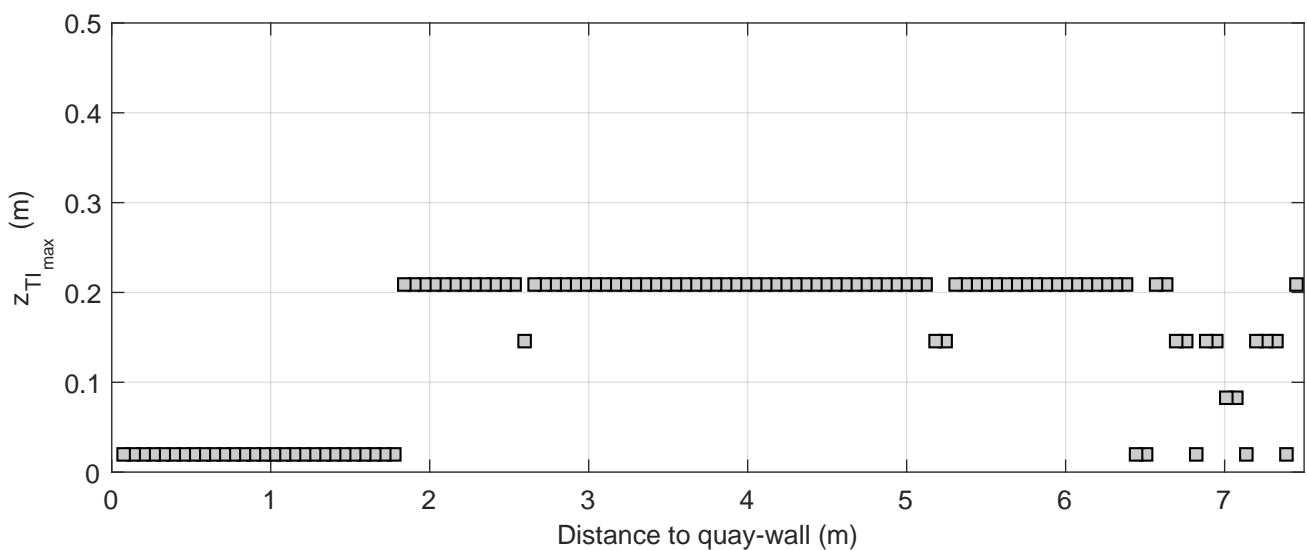
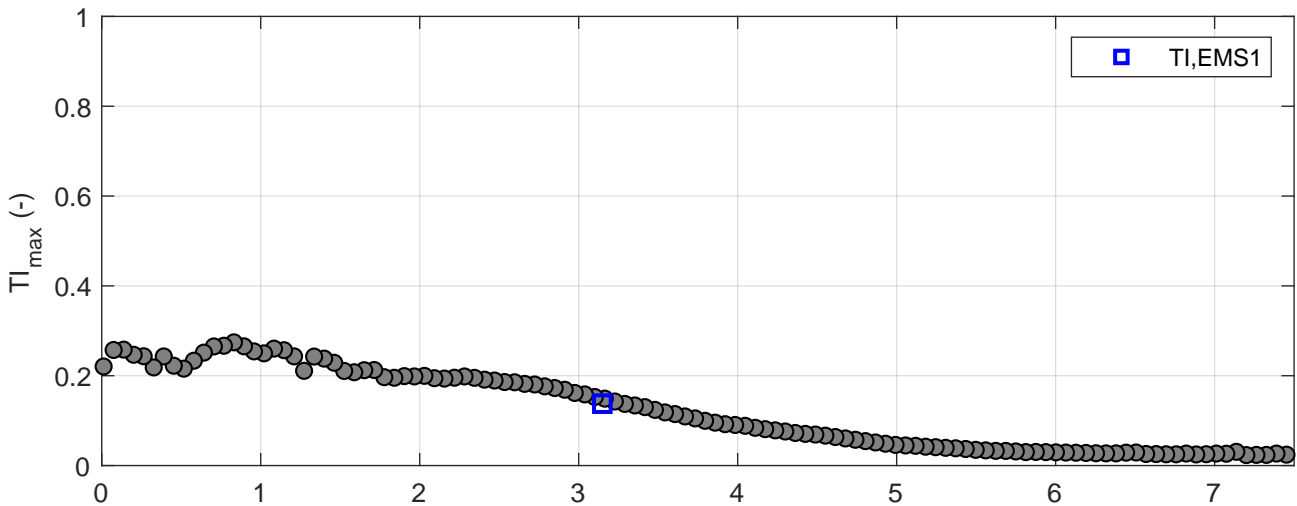
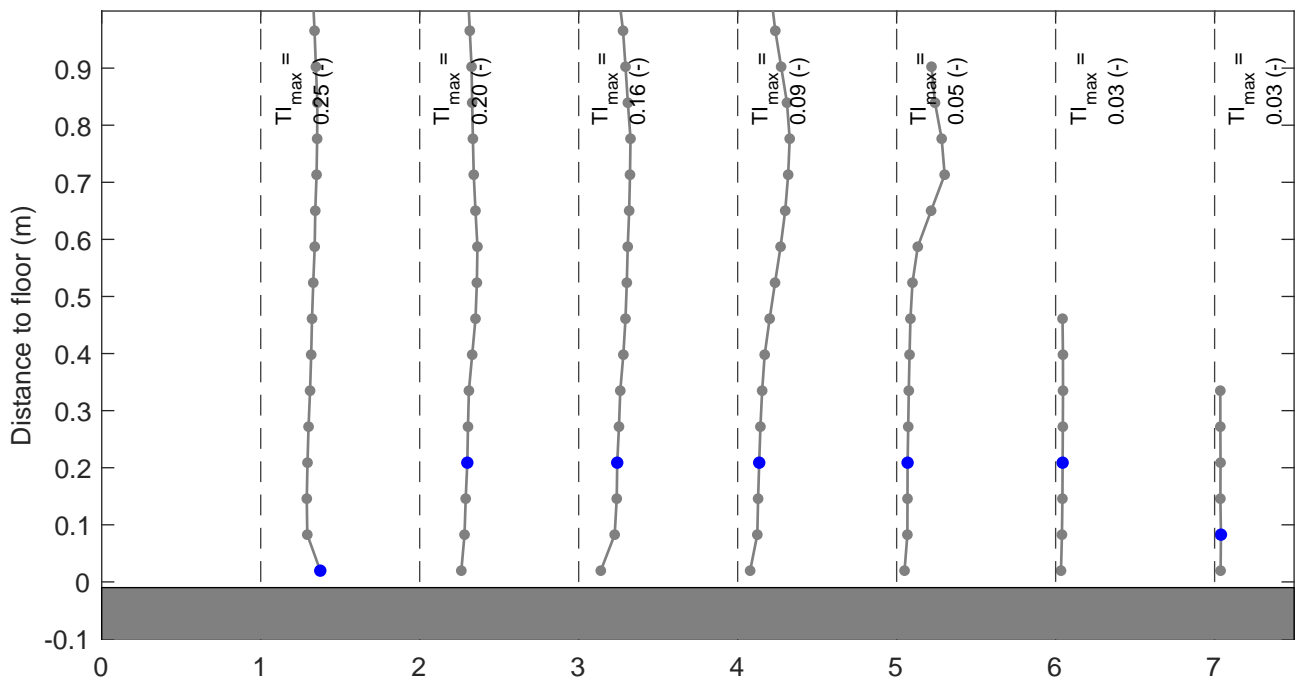
TKI-SOP

PIVSOP137

Deltares

11206641

Fig. J



Turbulence intensity profiles | Active thruster: BT2
 Maximum TI near bed and location in the vertical
 $\Delta x = 3.0$ m, $\Delta y = 0.0$ m, UKC = 0.4 m, $U_{BT2} = 2.6$ m/s

PIV, FOV1

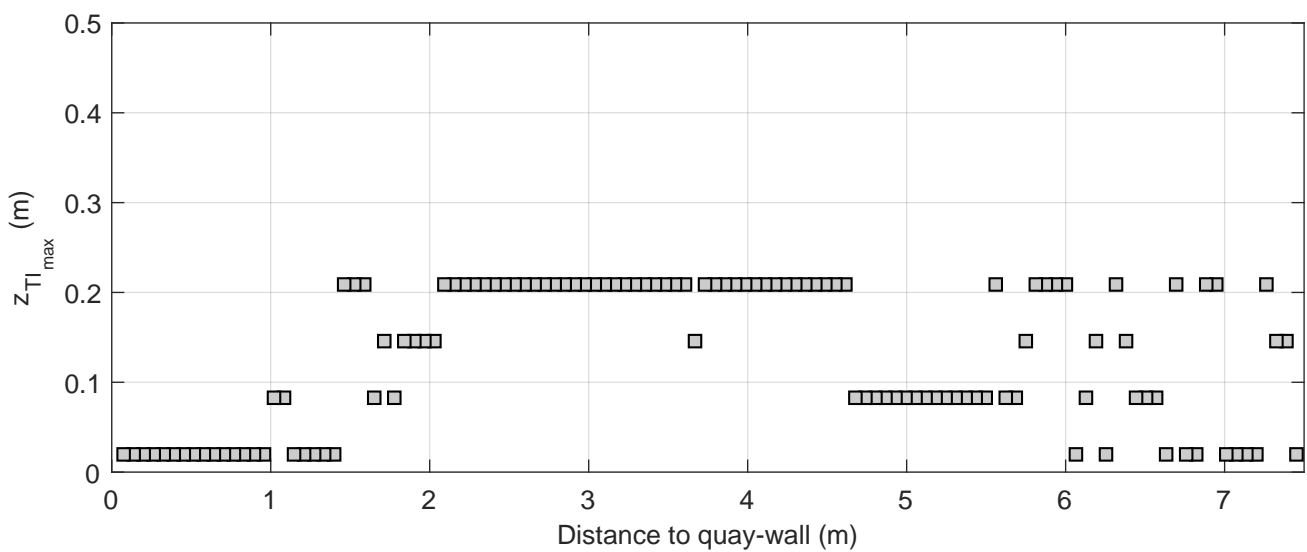
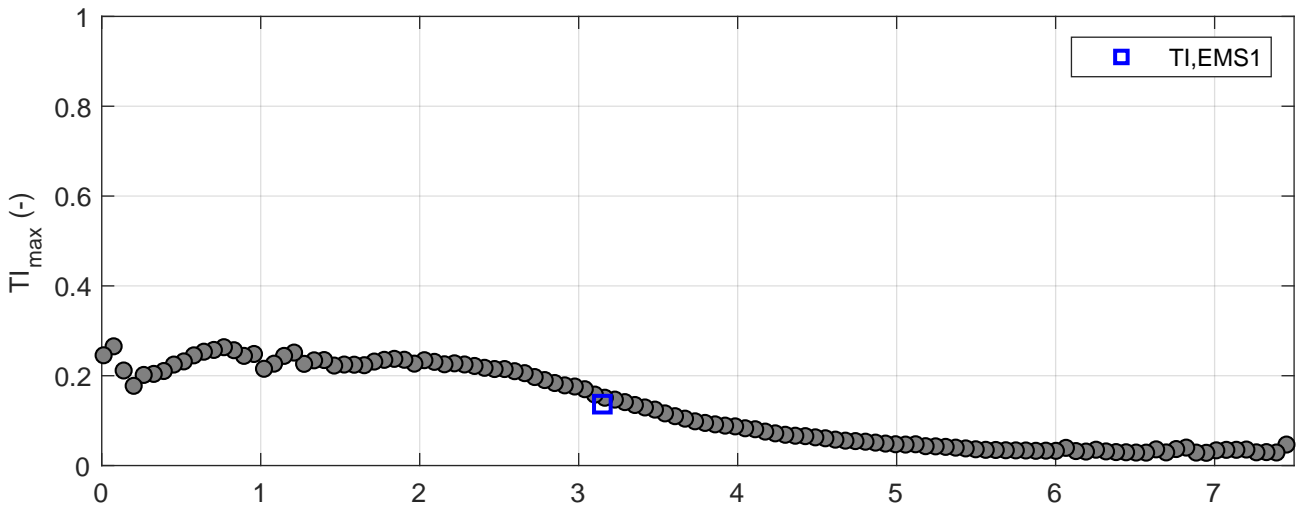
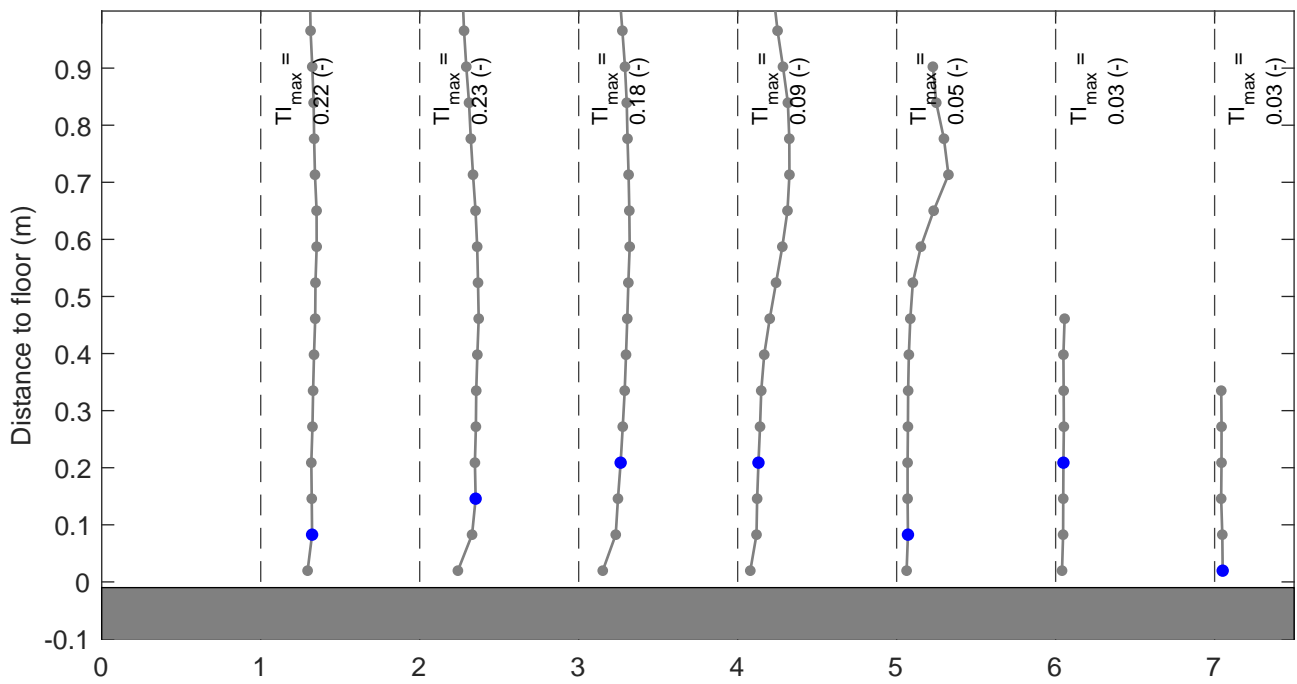
TKI-SOP

PIVSOP140

Deltares

11206641

Fig. J



Turbulence intensity profiles | Active thruster: BT2
 Maximum TI near bed and location in the vertical
 $\Delta x = 3.0$ m, $\Delta y = 0.0$ m, UKC = 0.4 m, $U_{BT2} = 4.8$ m/s

PIV, FOV1

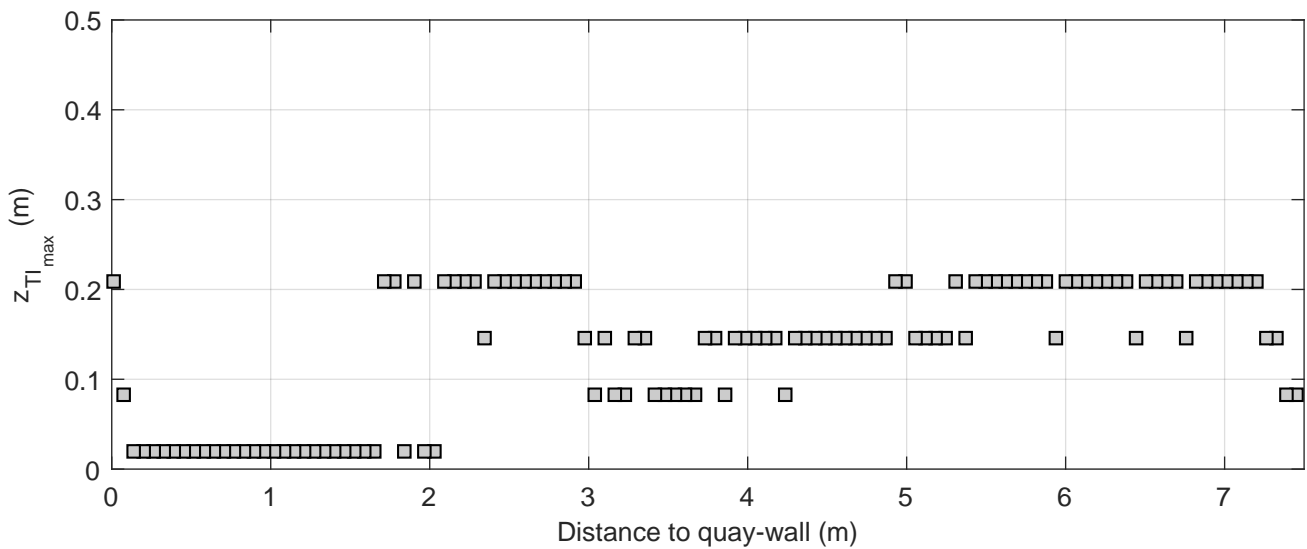
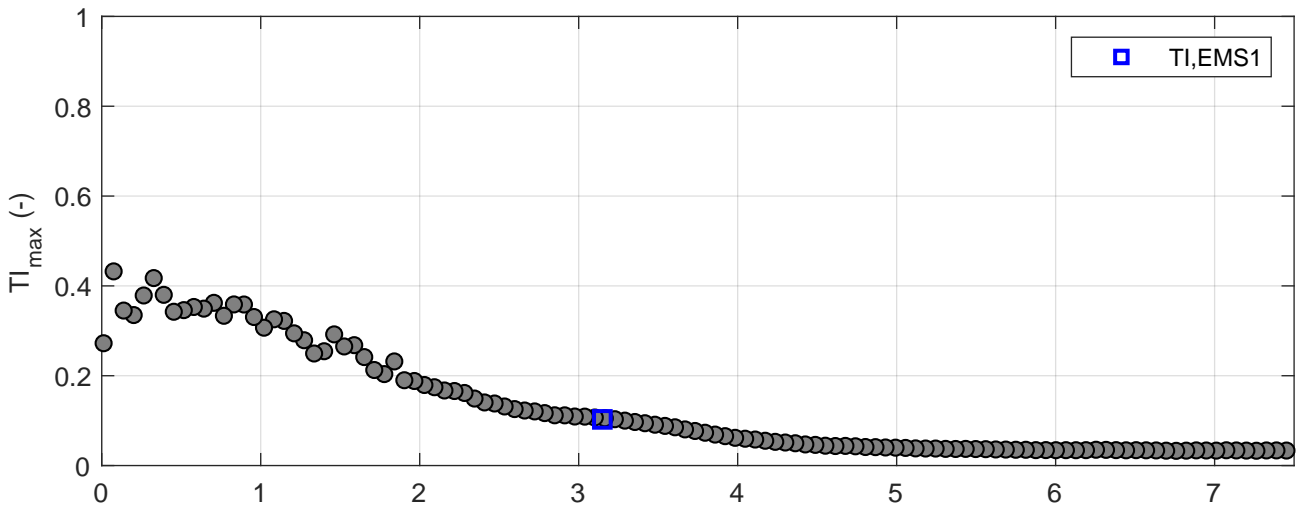
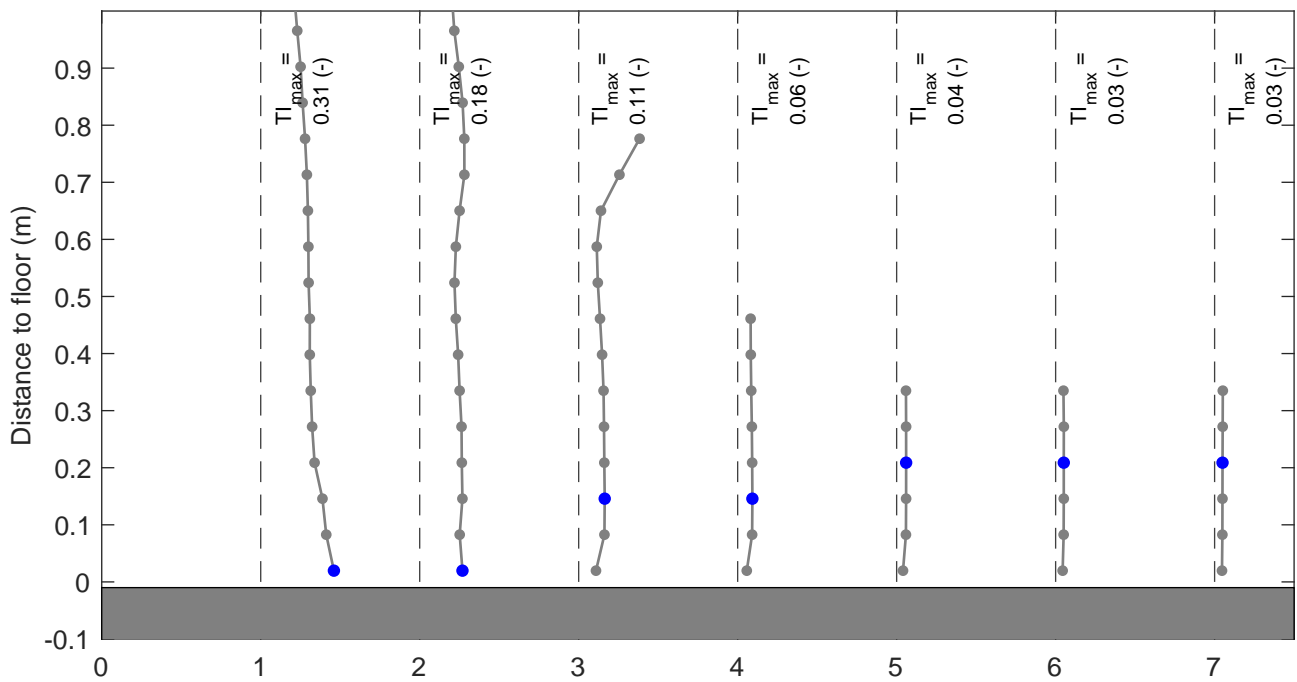
TKI-SOP

PIVSOP142

Deltares

11206641

Fig. J



Turbulence intensity profiles | Active thruster: BT2
 Maximum TI near bed and location in the vertical
 $\Delta x = 0.8 \text{ m}$, $\Delta y = 0.0 \text{ m}$, $UKC = 0.4 \text{ m}$, $U_{BT2} = 2.7 \text{ m/s}$

PIV, FOV1

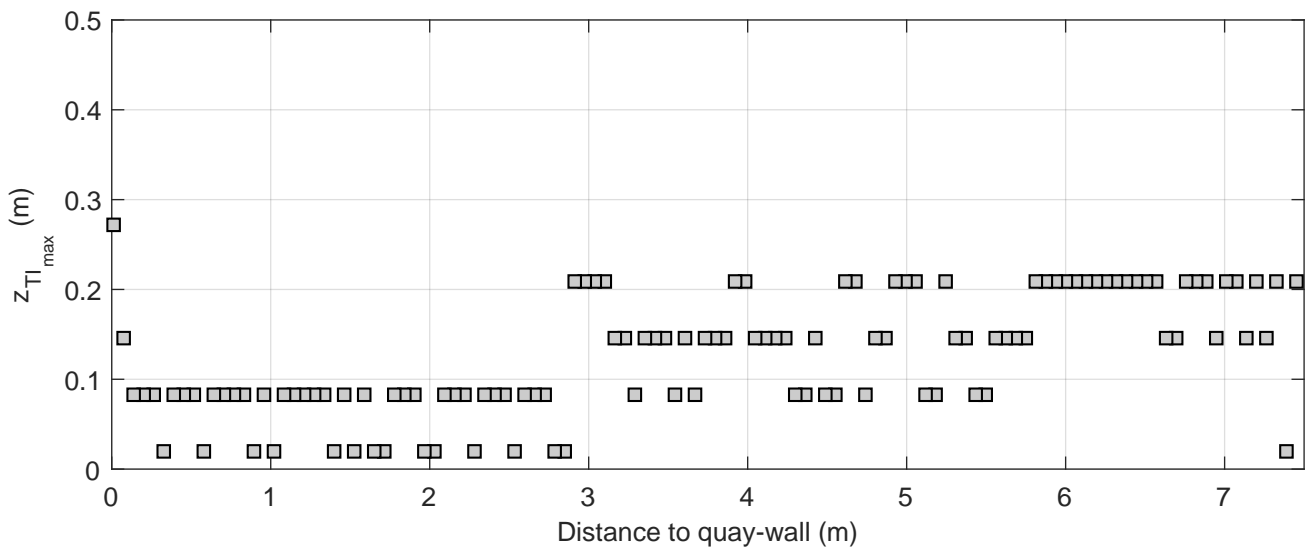
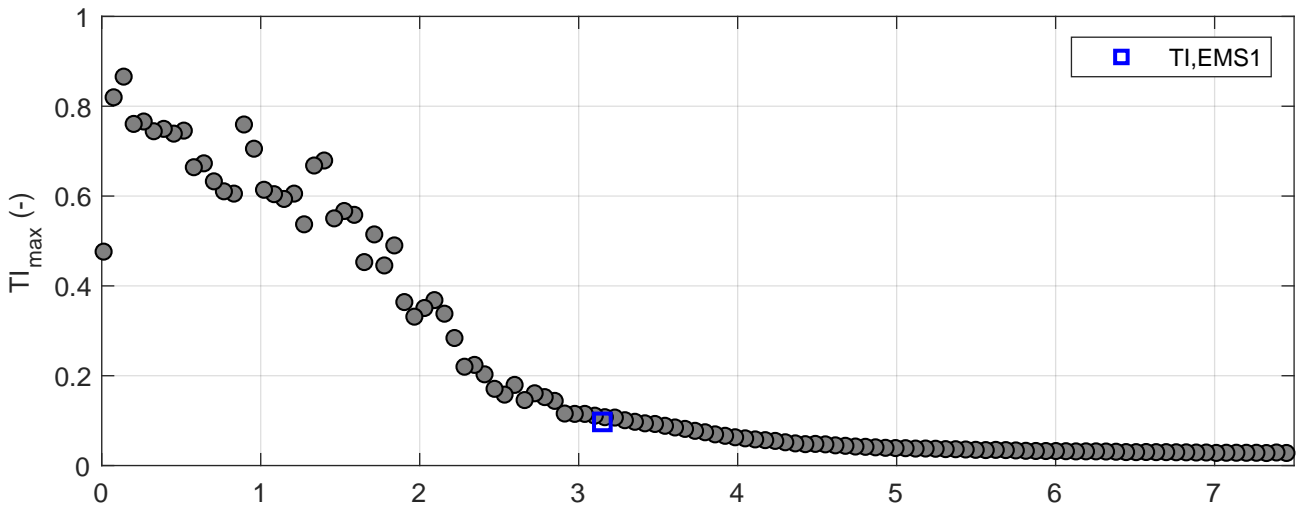
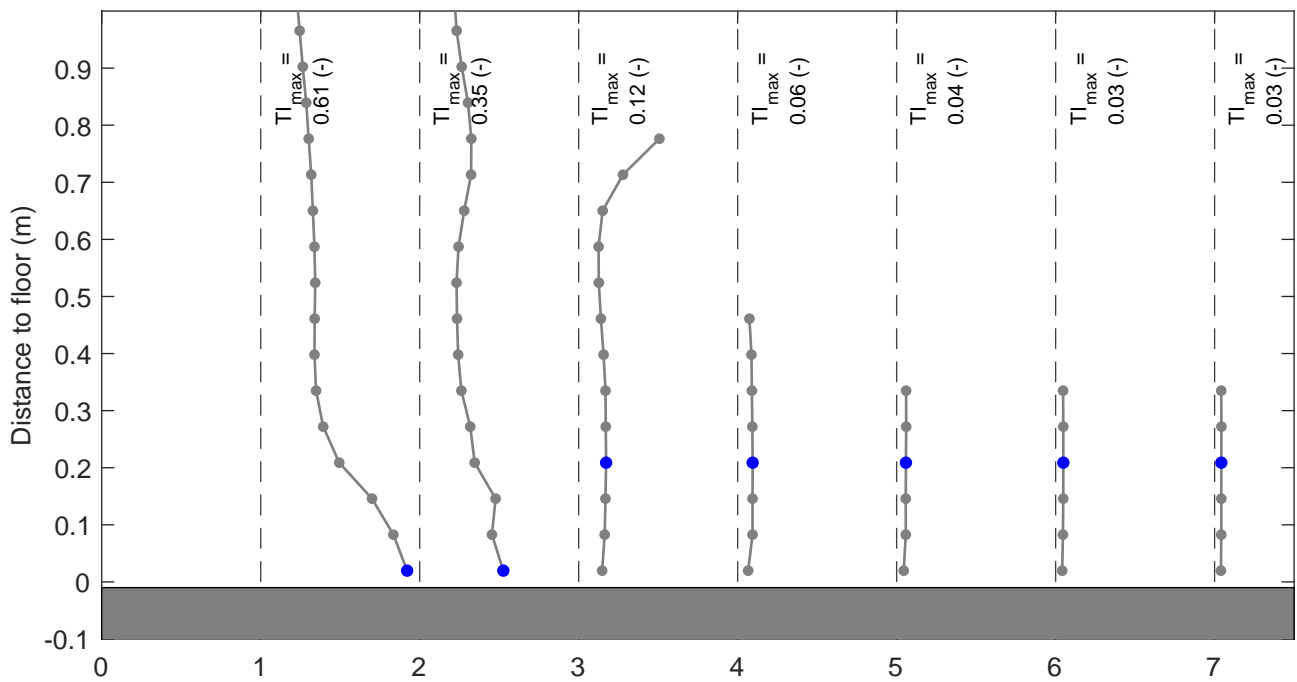
TKI-SOP

PIVSOP144

Deltares

11206641

Fig. J



Turbulence intensity profiles | Active thruster: BT2
 Maximum TI near bed and location in the vertical
 $\Delta x = 0.8 \text{ m}$, $\Delta y = 0.0 \text{ m}$, $UKC = 0.4 \text{ m}$, $U_{BT2} = 4.7 \text{ m/s}$

PIV, FOV1

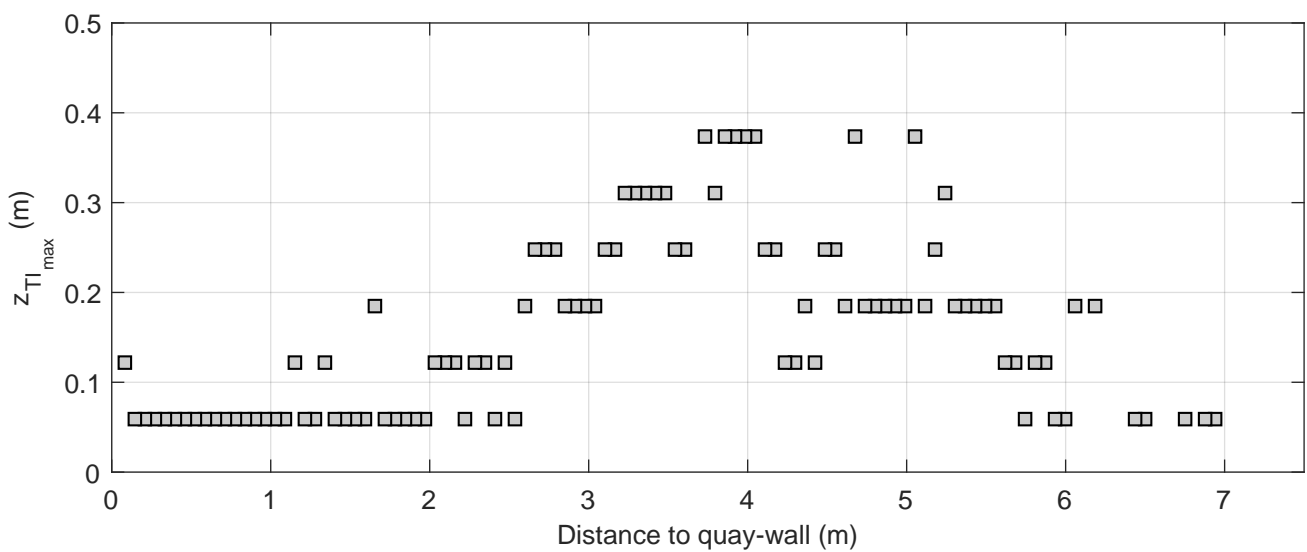
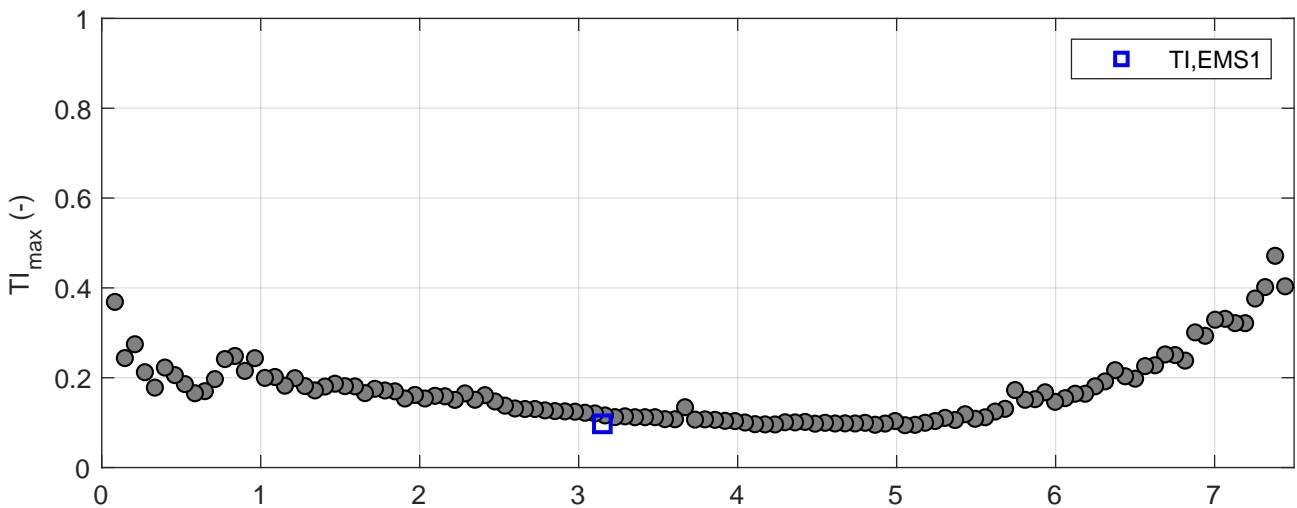
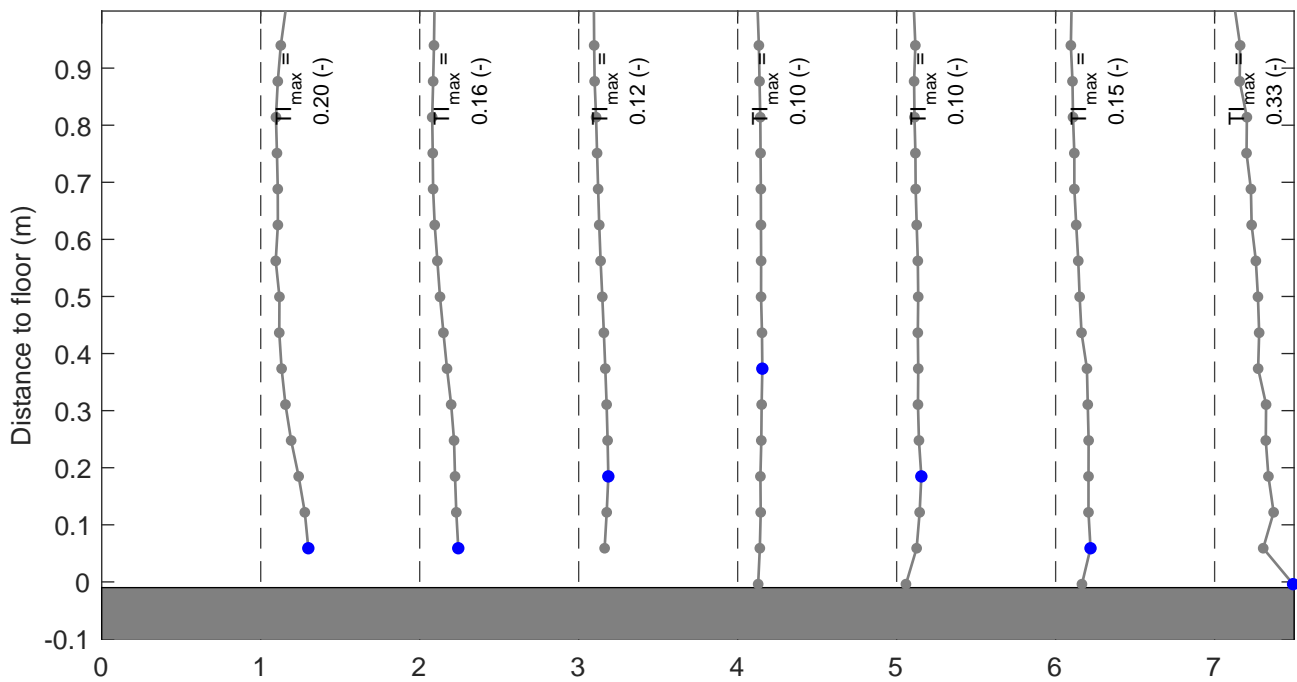
TKI-SOP

PIVSOP146

Deltares

11206641

Fig. J



Turbulence intensity profiles | Active thruster: BT2
 Maximum TI near bed and location in the vertical
 $\Delta x = 0.8$ m, $\Delta y = 0.0$ m, UKC = 1.4 m, $U_{BT2} = 4.8$ m/s

PIV, FOV1

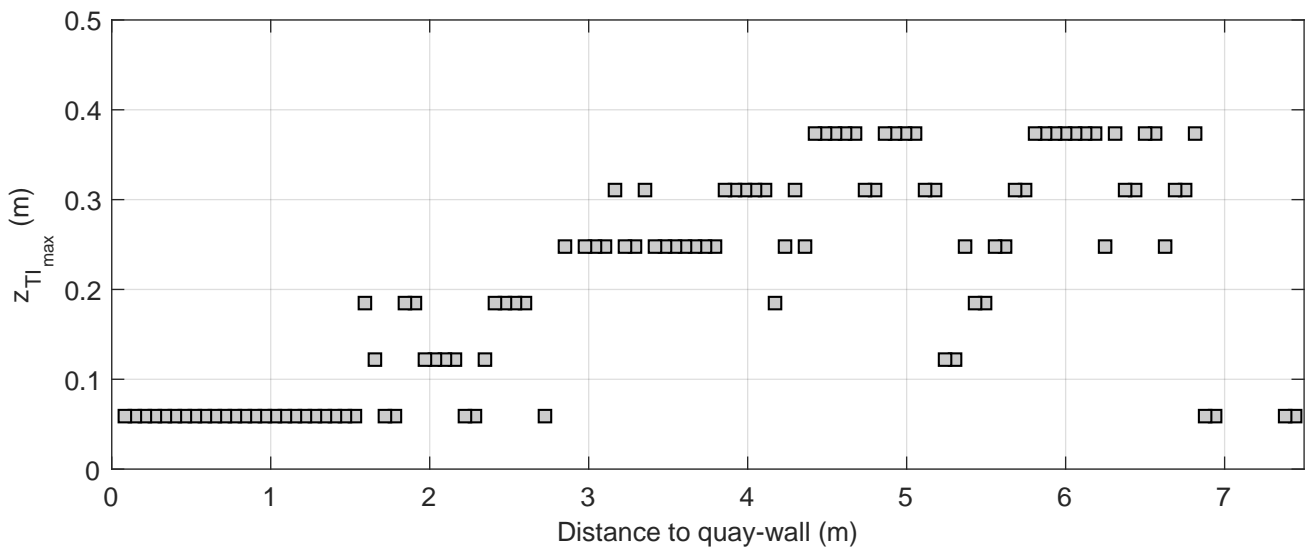
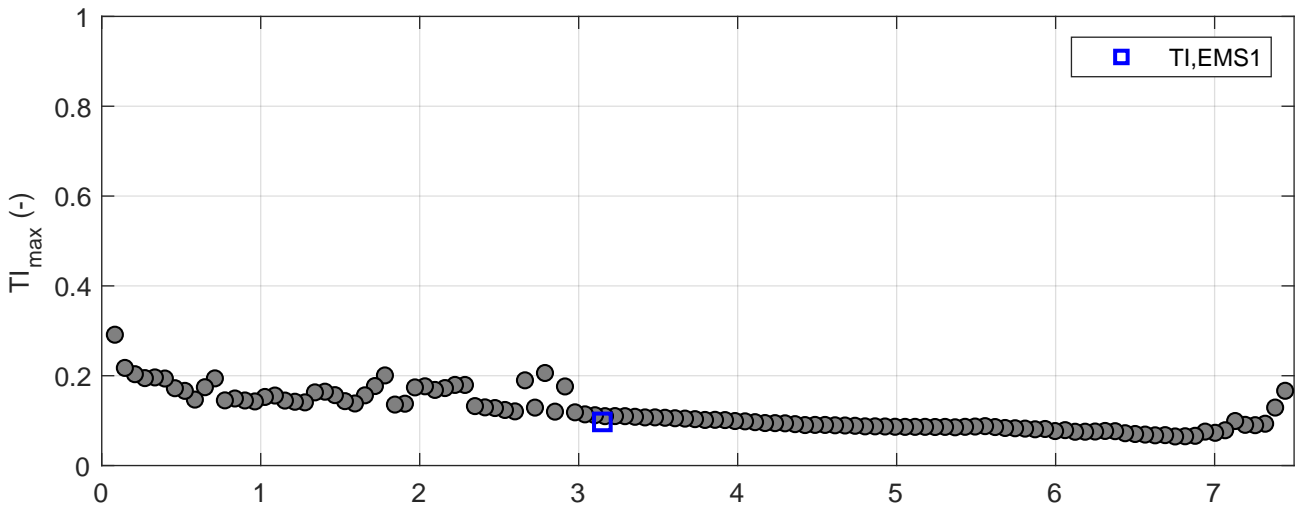
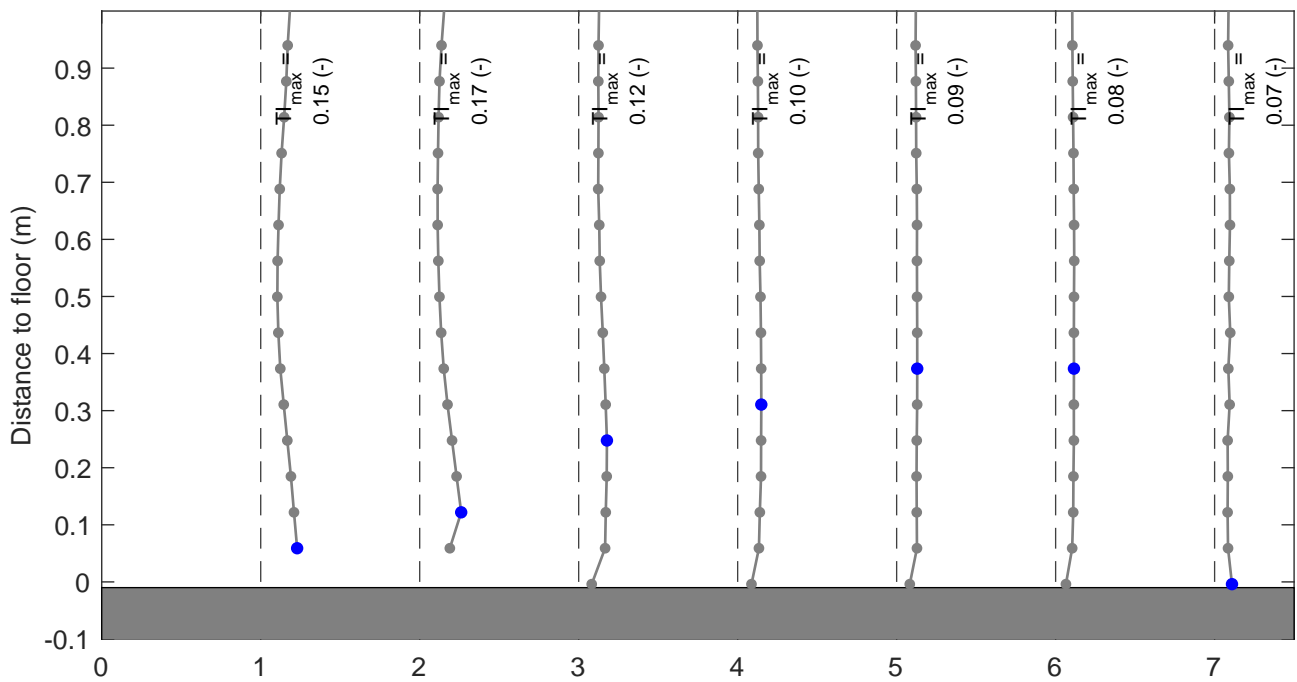
TKI-SOP

PIVSOP150

Deltares

11206641

Fig. J



Turbulence intensity profiles | Active thruster: BT2
 Maximum TI near bed and location in the vertical
 $\Delta x = 3.0$ m, $\Delta y = 0.0$ m, UKC = 1.4 m, $U_{BT2} = 4.8$ m/s

PIV, FOV1

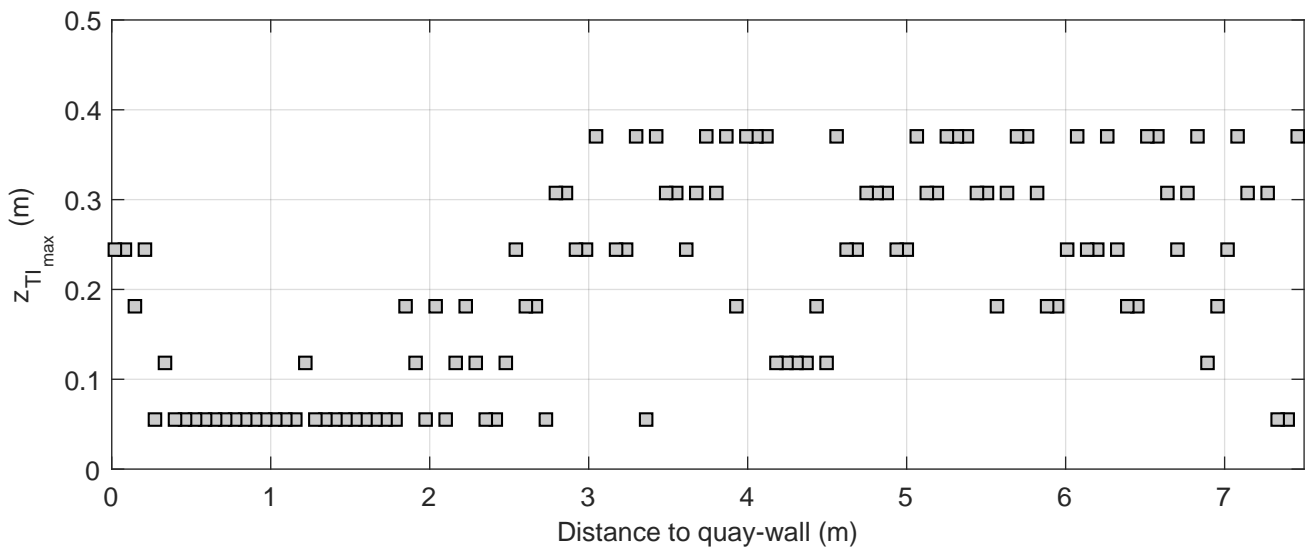
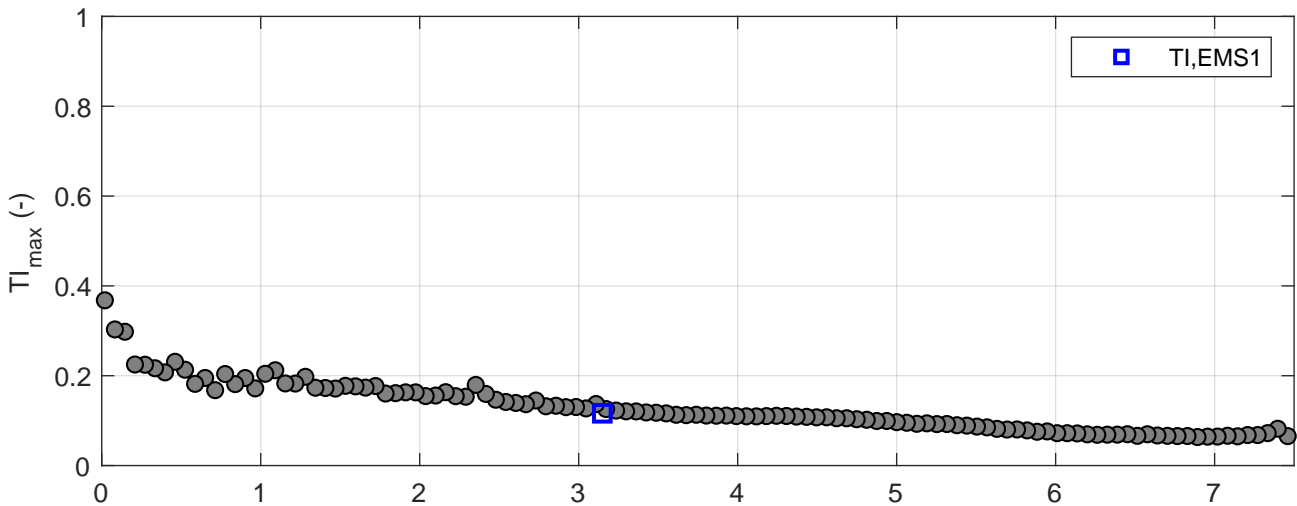
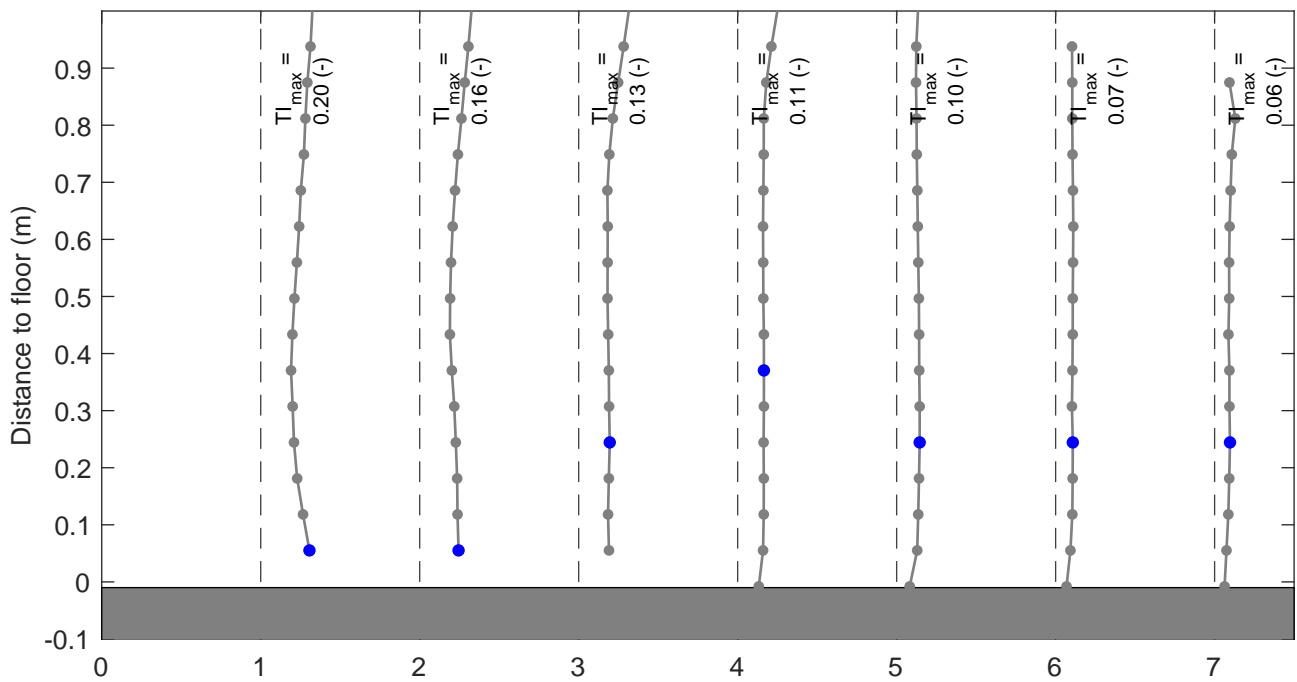
TKI-SOP

PIVSOP154

Deltares

11206641

Fig. J



Turbulence intensity profiles | Active thruster: BT2
 Maximum TI near bed and location in the vertical
 $\Delta x = 3.0 \text{ m}$, $\Delta y = 0.0 \text{ m}$, $UKC = 0.9 \text{ m}$, $U_{BT2} = 4.8 \text{ m/s}$

PIV, FOV1

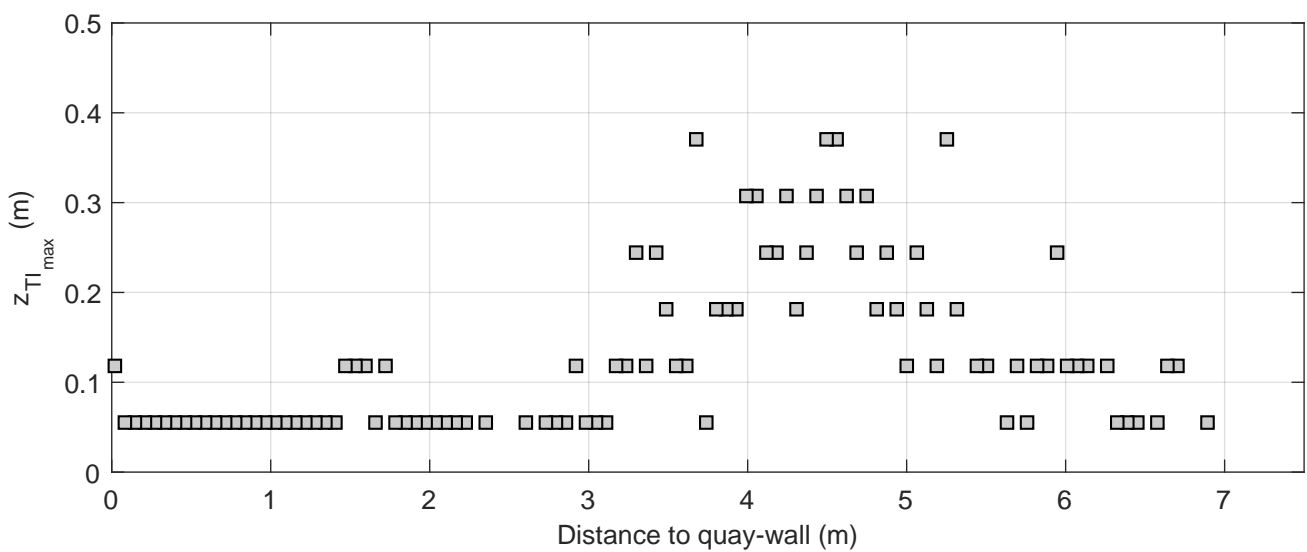
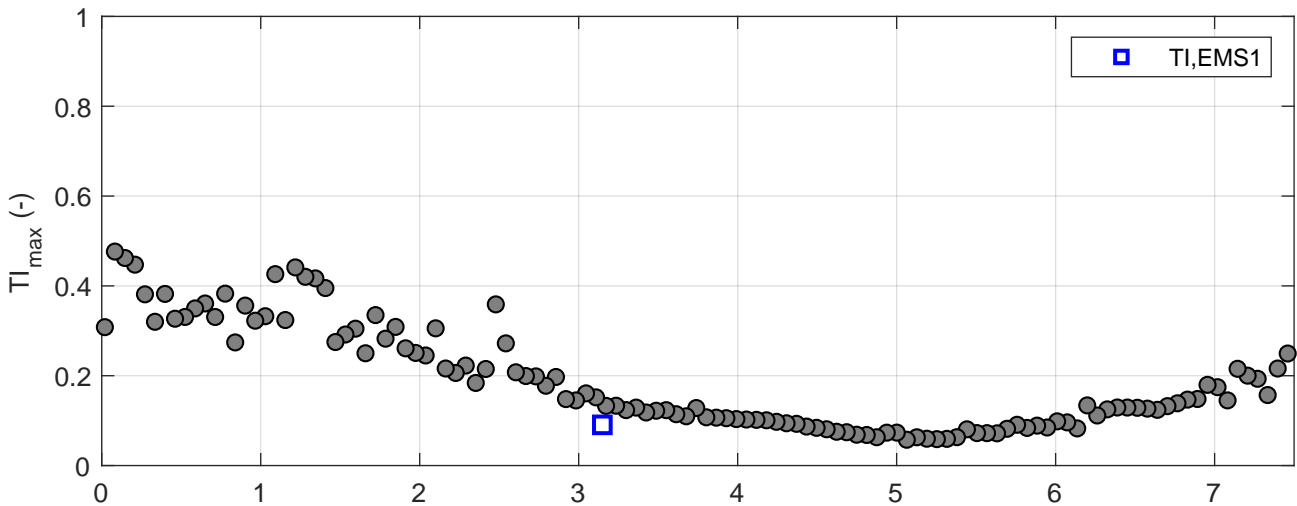
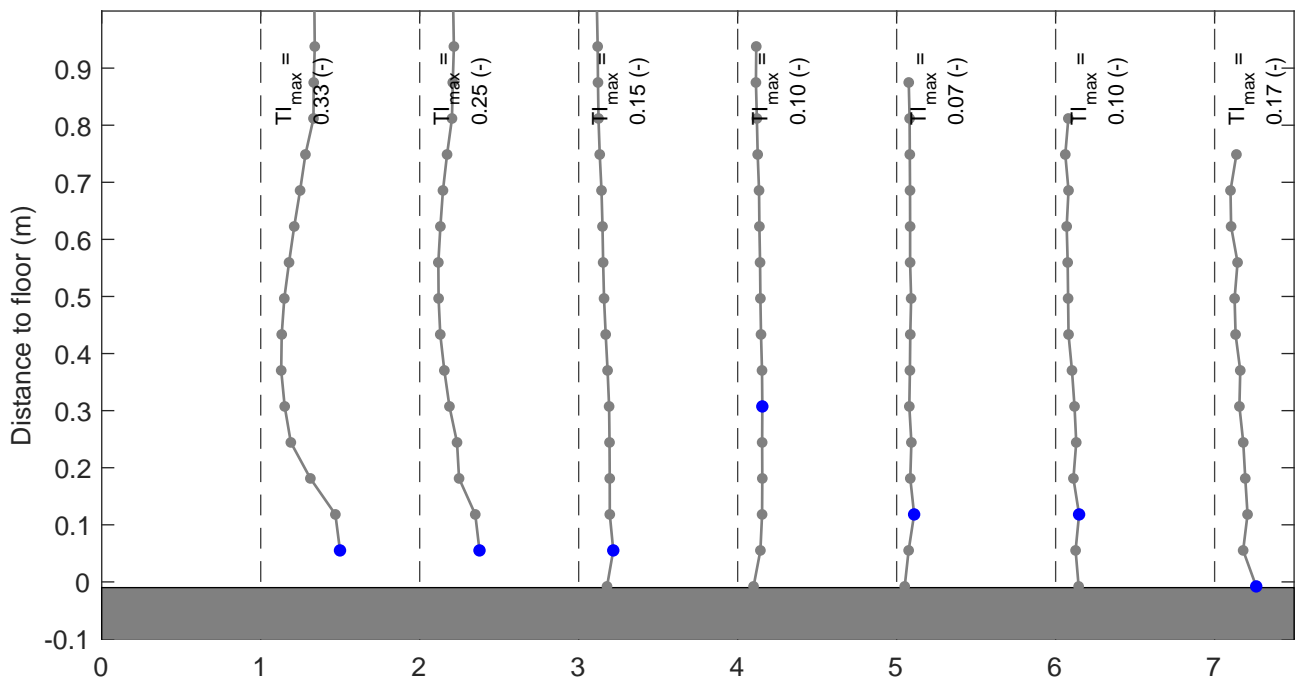
TKI-SOP

PIVSOP158

Deltares

11206641

Fig. J



Turbulence intensity profiles | Active thruster: BT2
 Maximum TI near bed and location in the vertical
 $\Delta x = 0.8 \text{ m}$, $\Delta y = 0.0 \text{ m}$, $UKC = 1.0 \text{ m}$, $U_{BT2} = 4.8 \text{ m/s}$

PIV, FOV1

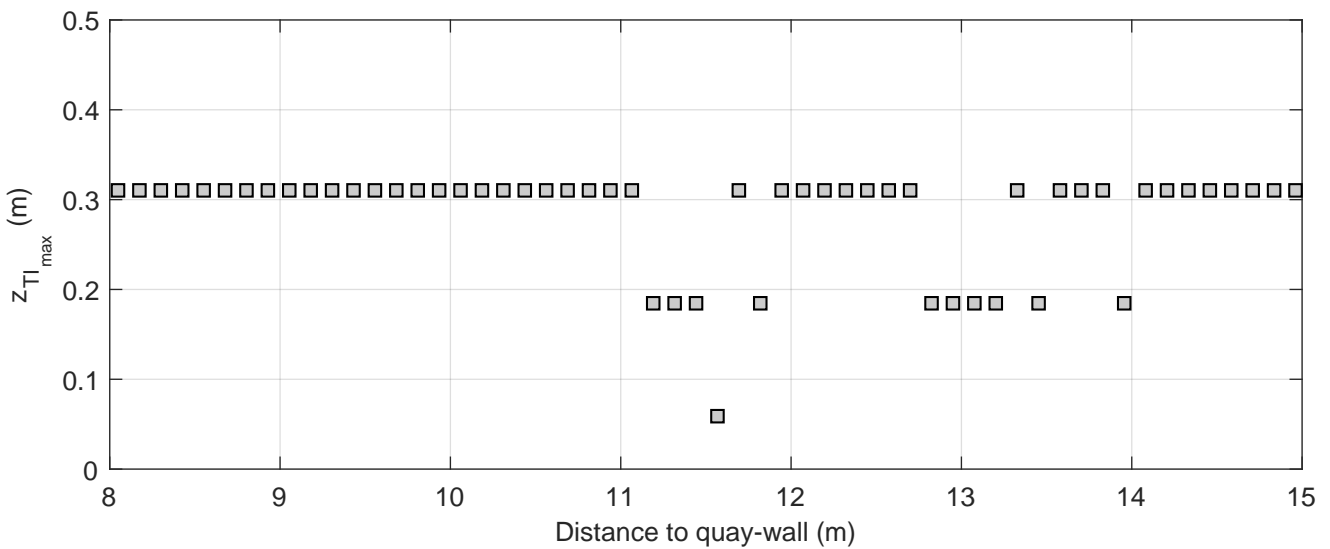
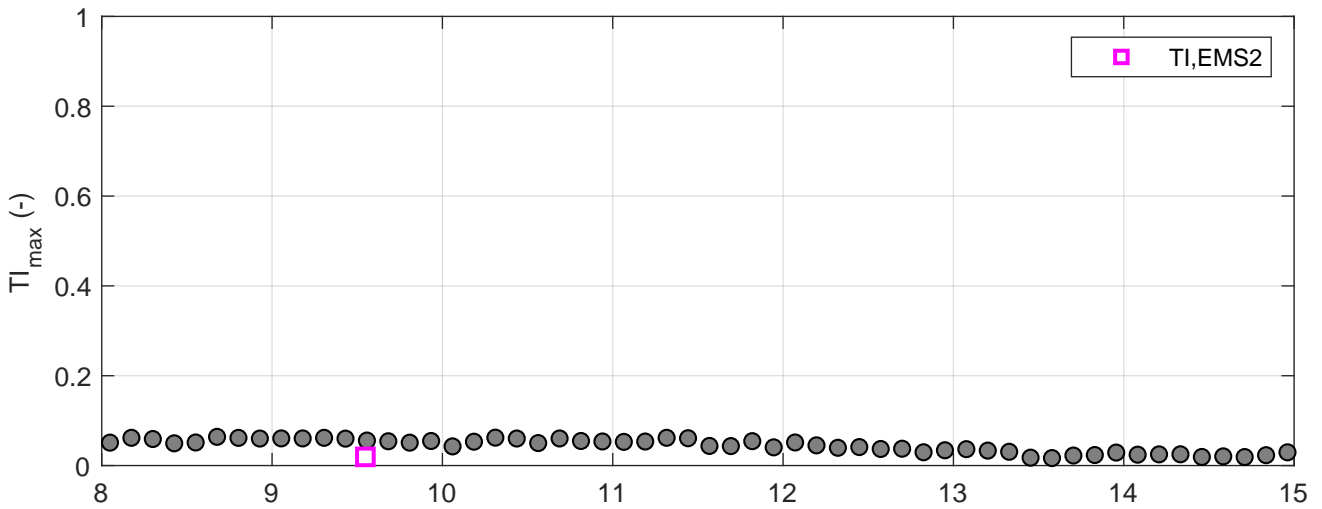
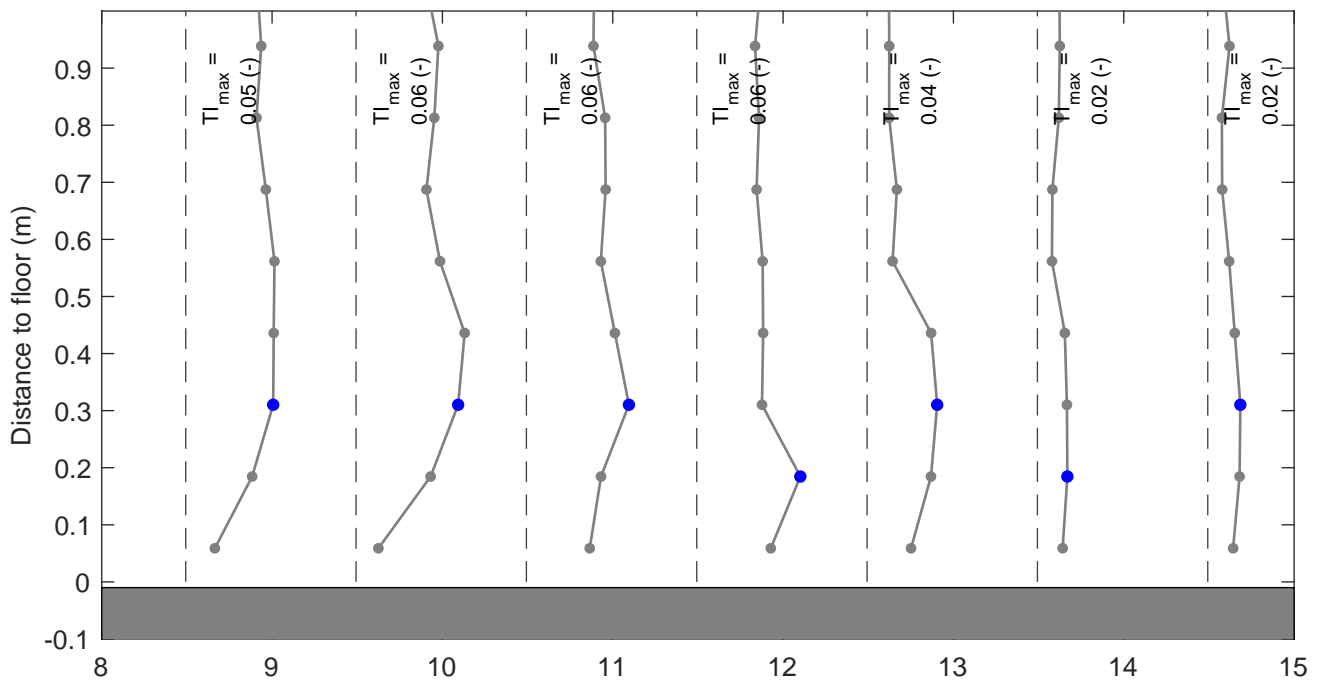
TKI-SOP

PIVSOP162

Deltares

11206641

Fig. J



Turbulence intensity profiles | Active thruster: BT2
 Maximum TI near bed and location in the vertical
 $\Delta x = 0.8 \text{ m}$, $\Delta y = 0.0 \text{ m}$, $UKC = 2.5 \text{ m}$, $U_{BT2} = 2.7 \text{ m/s}$

PIV, FOV2

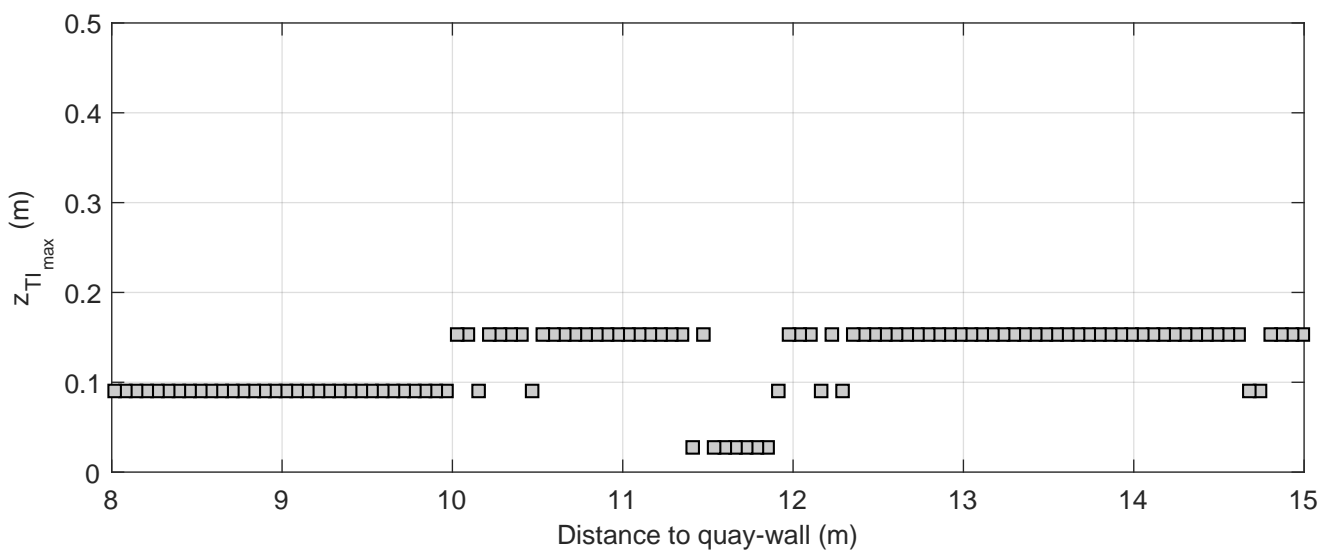
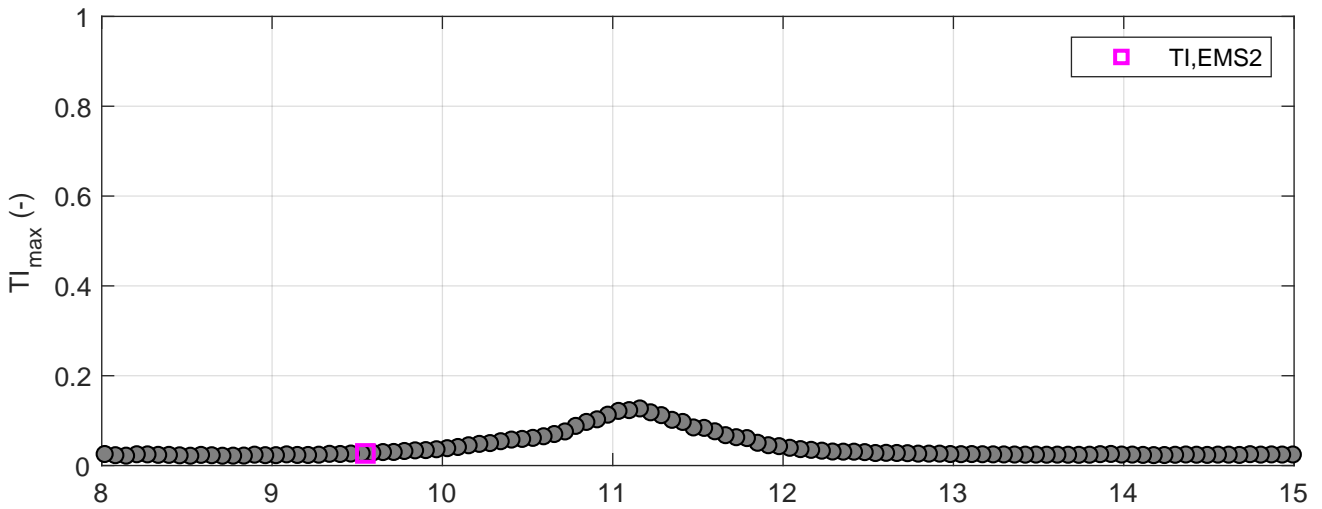
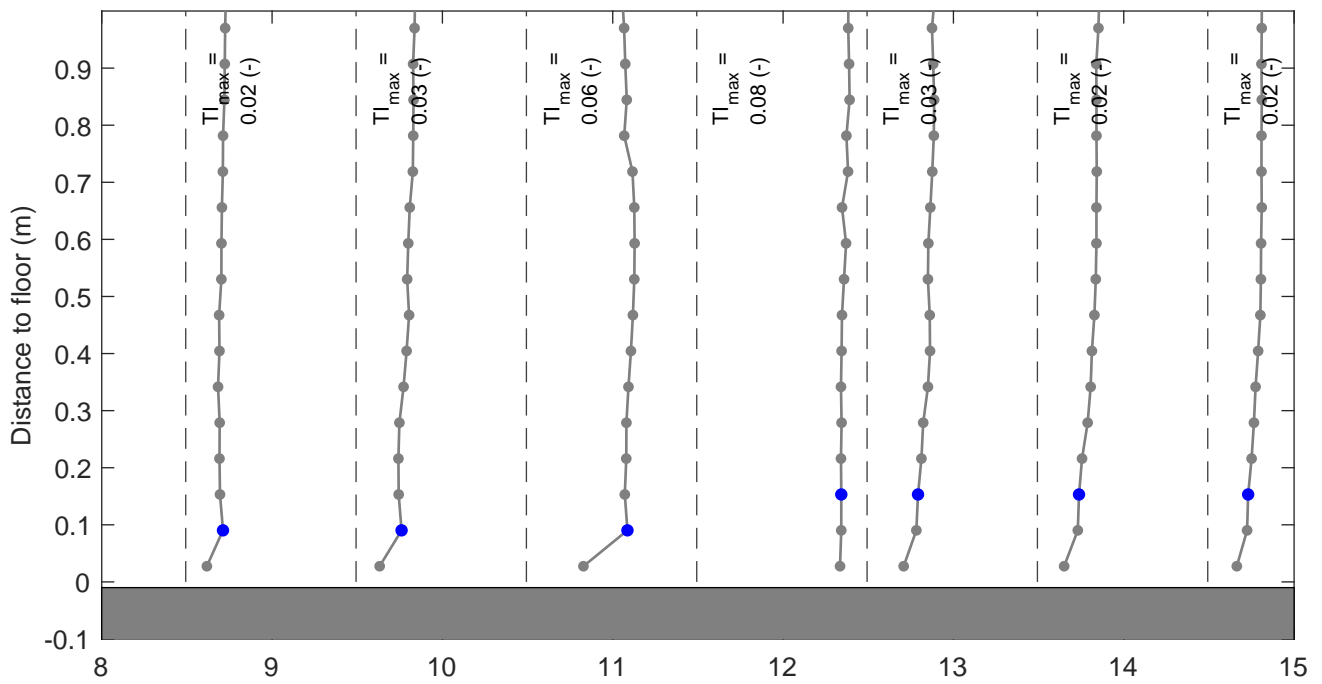
TKI-SOP

PIVSOP166

Deltares

11206641

Fig. J



Turbulence intensity profiles | Active thruster: BT2
 Maximum TI near bed and location in the vertical
 $\Delta x = 0.8$ m, $\Delta y = 0.0$ m, UKC = 2.5 m, $U_{BT2} = 4.6$ m/s

PIV, FOV2

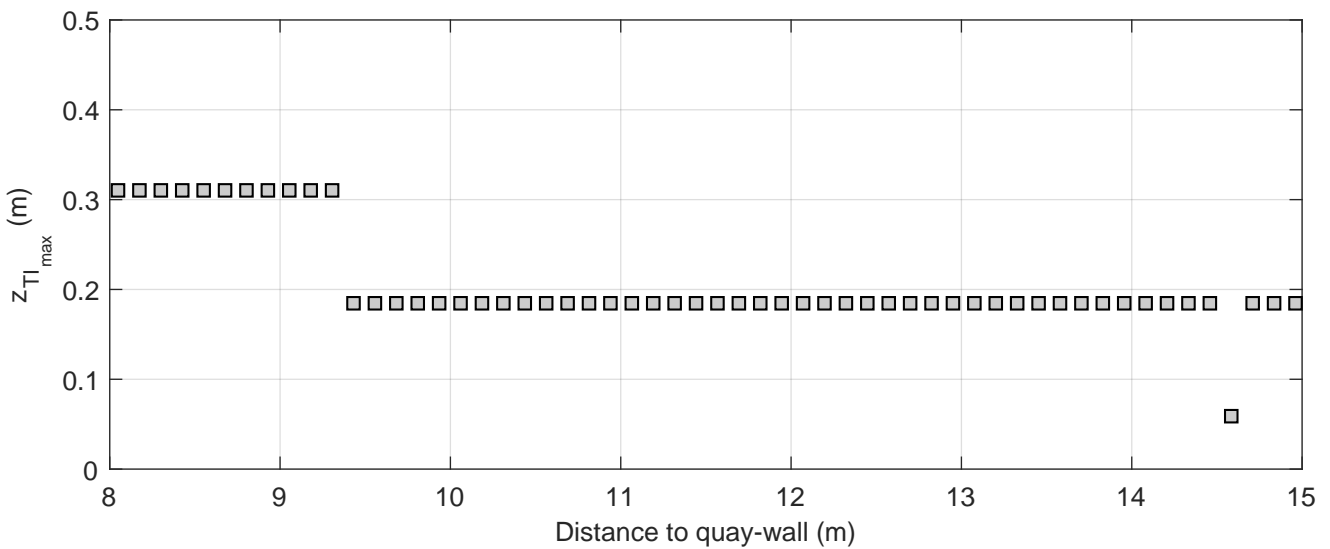
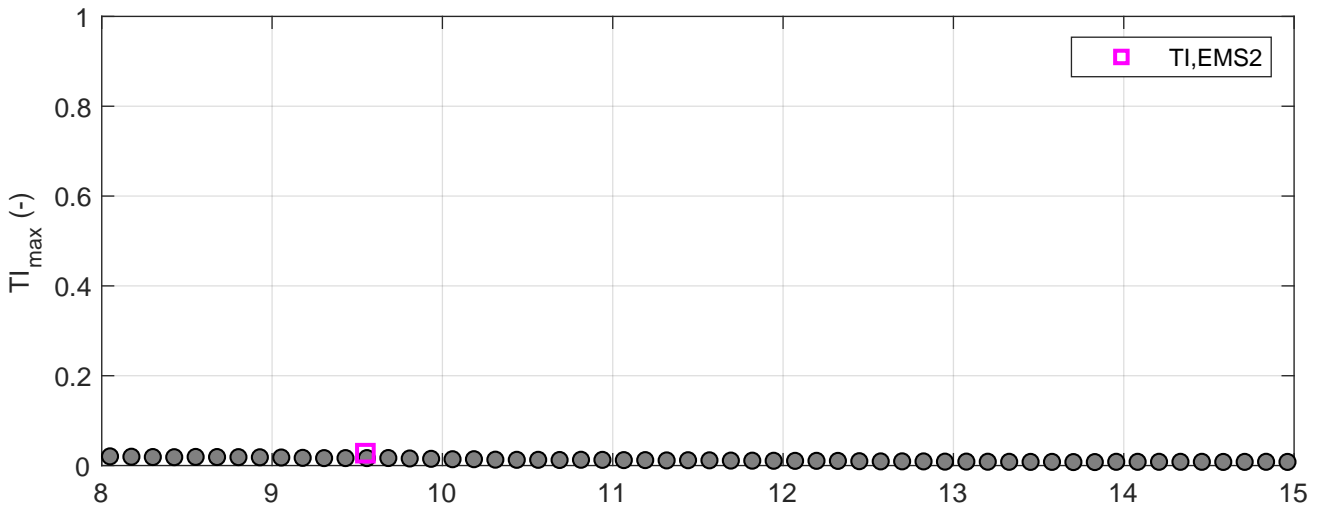
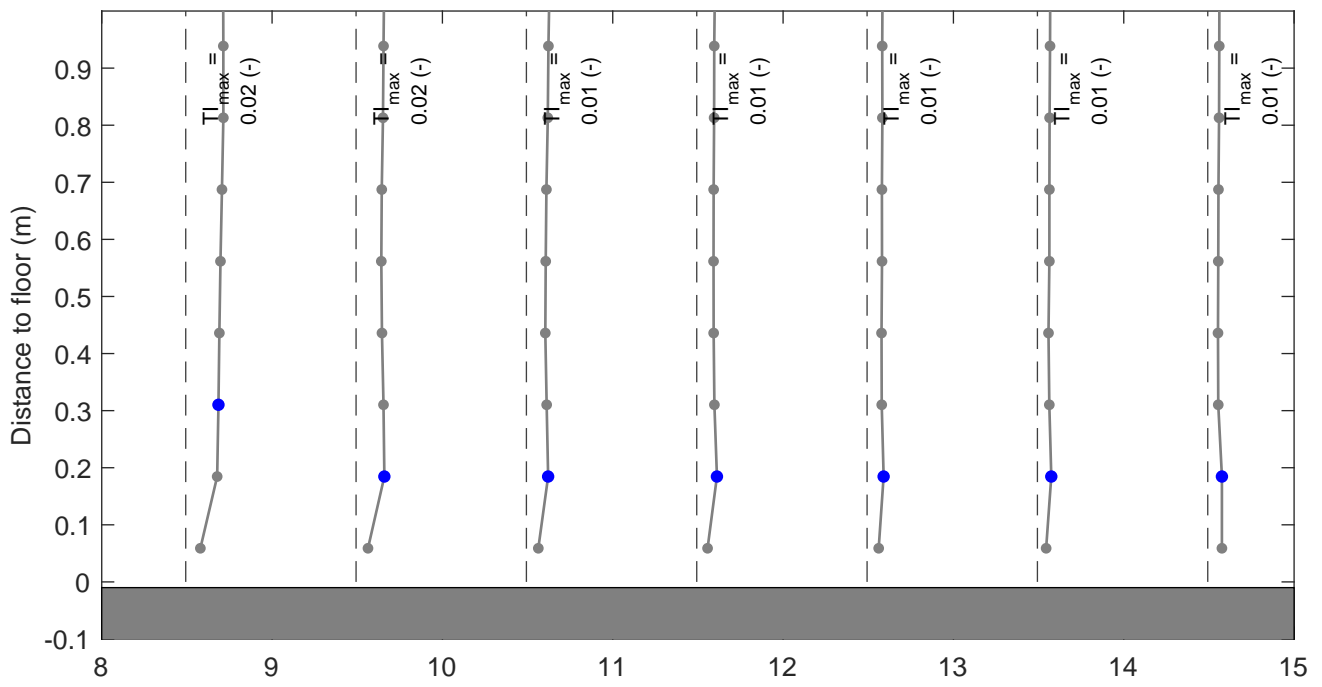
TKI-SOP

PIVSOP168

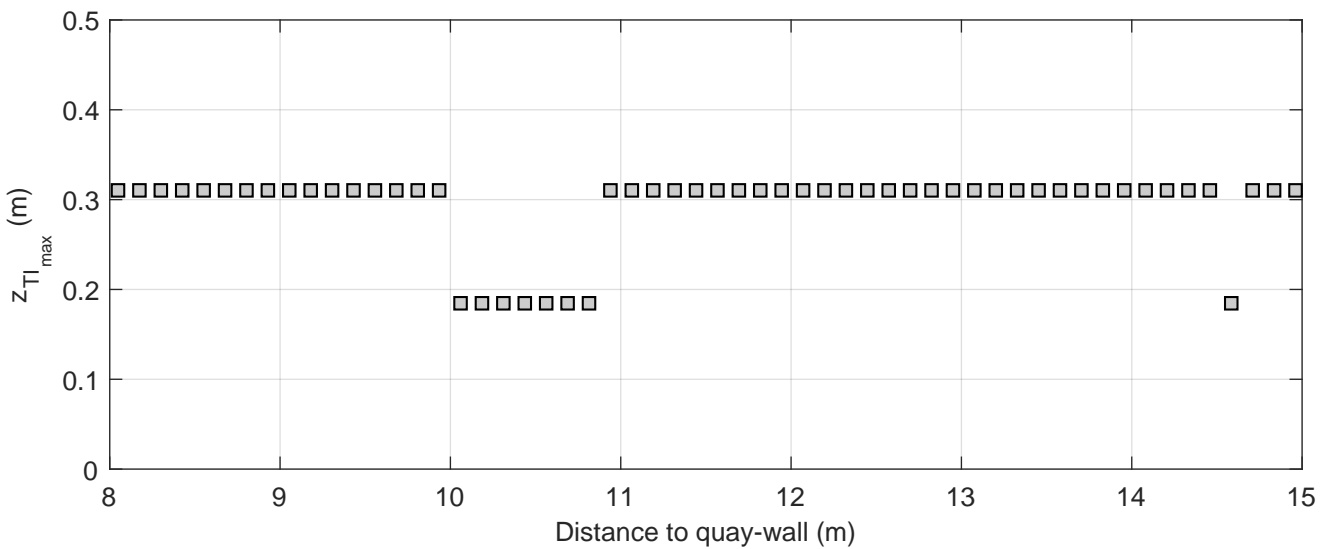
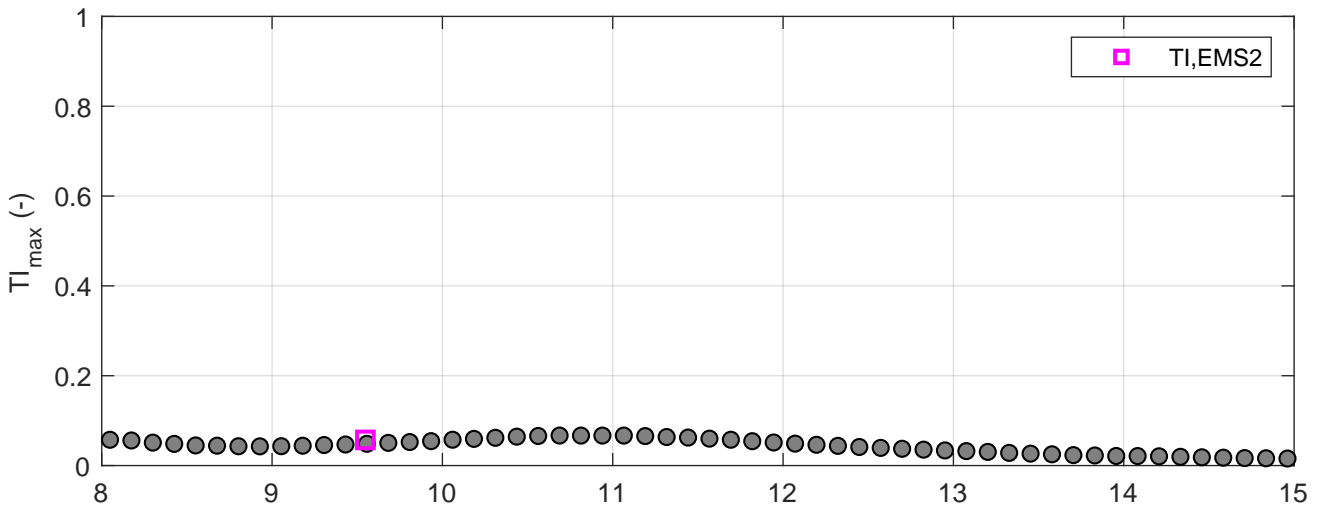
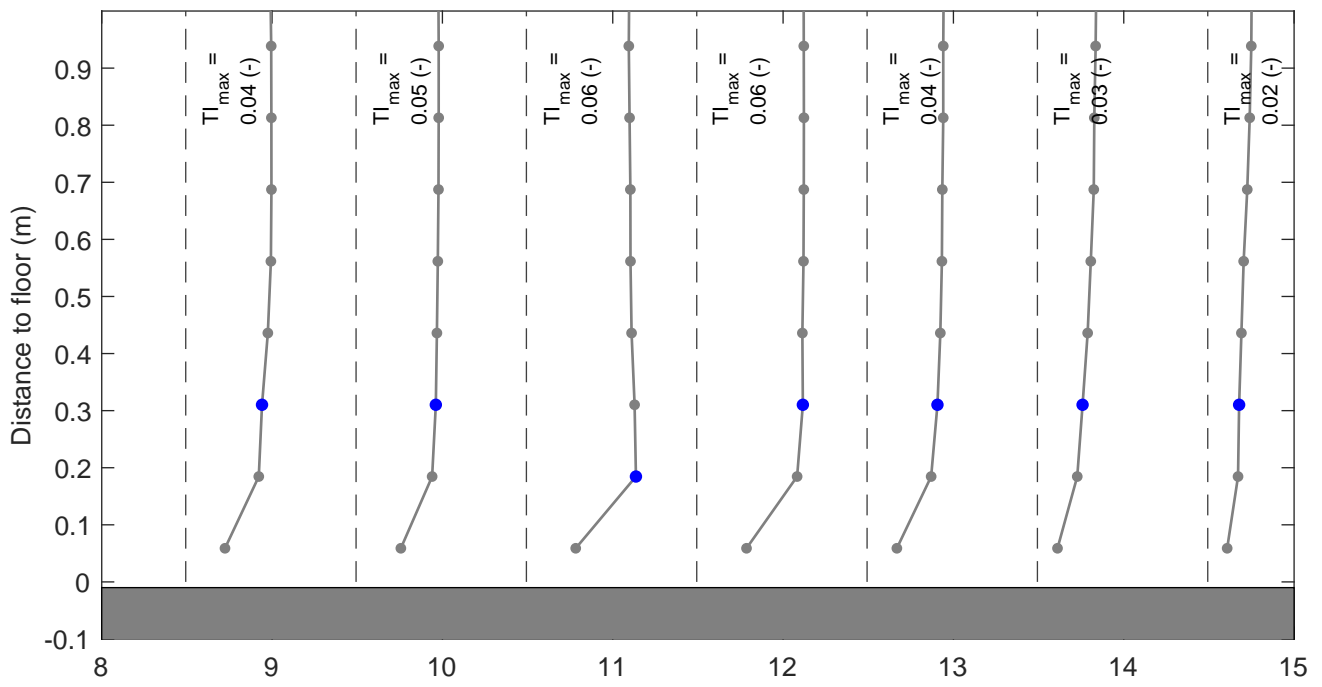
Deltares

11206641

Fig. J



Turbulence intensity profiles Active thruster: BT2 Maximum TI near bed and location in the vertical $\Delta x = 0.8 \text{ m}$, $\Delta y = -2.0 \text{ m}$, $UKC = 2.5 \text{ m}$, $U_{BT2} = 2.7 \text{ m/s}$	PIV, FOV2	TKI-SOP
	PIVSOP172	
Deltares	11206641	Fig. J



Turbulence intensity profiles | Active thruster: BT2
 Maximum TI near bed and location in the vertical
 $\Delta x = 0.8 \text{ m}$, $\Delta y = -2.0 \text{ m}$, $UKC = 2.5 \text{ m}$, $U_{BT2} = 4.7 \text{ m/s}$

PIV, FOV2

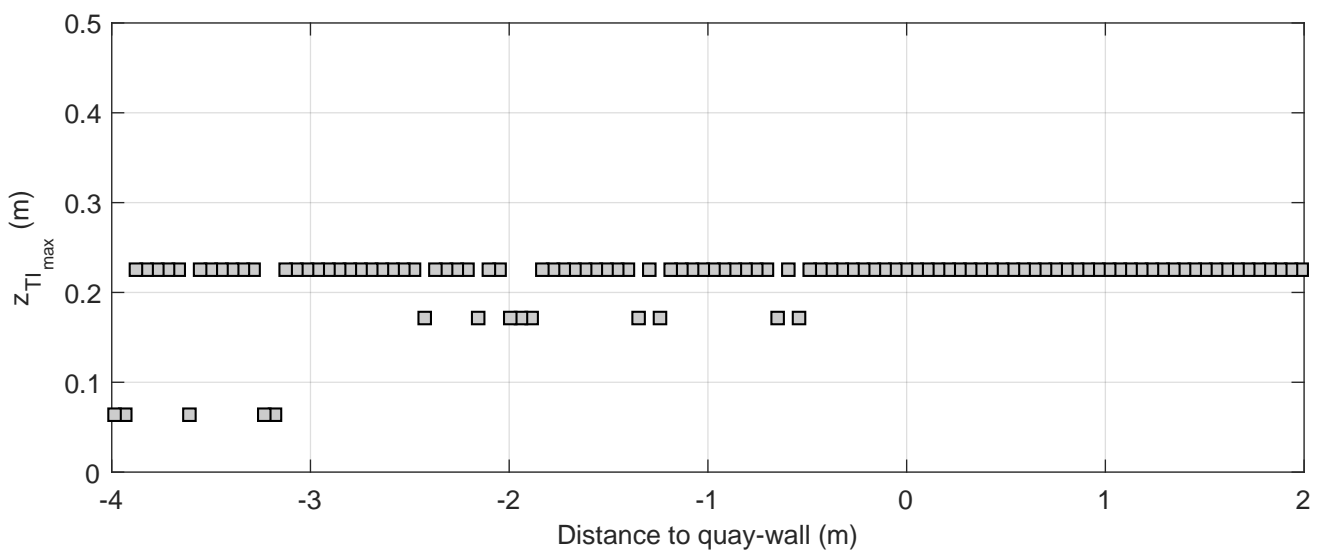
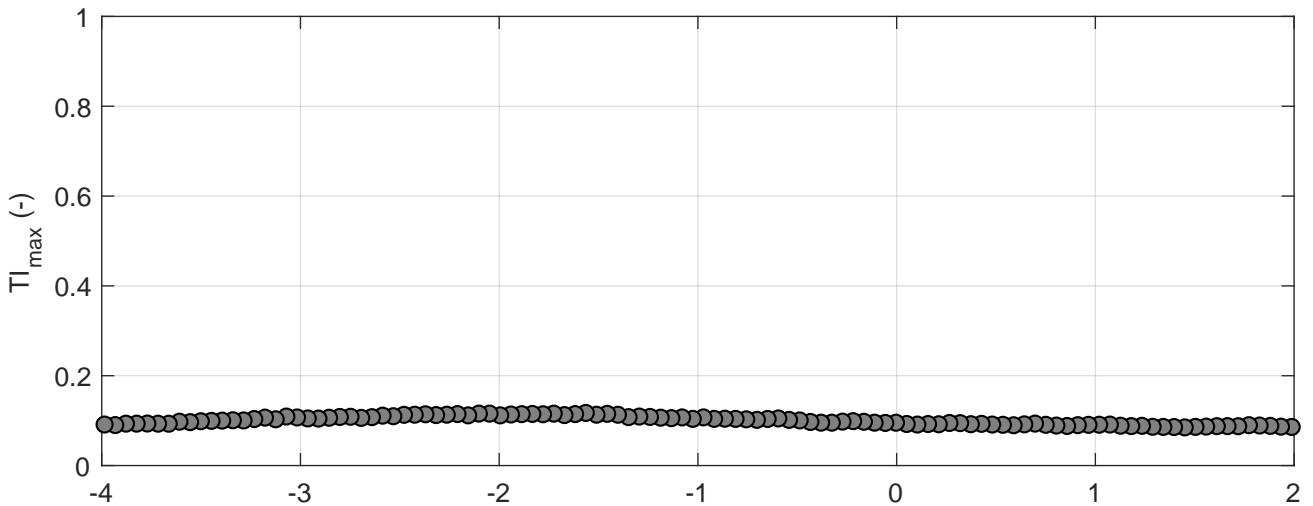
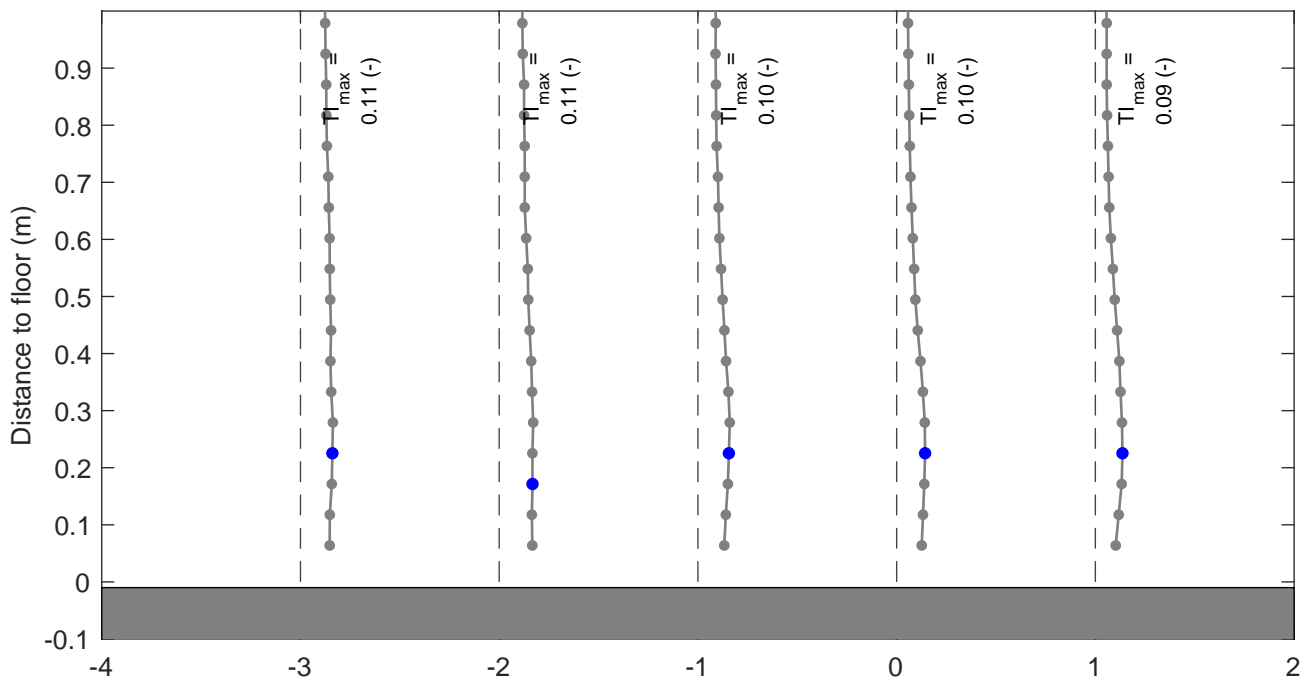
TKI-SOP

PIVSOP174

Deltares

11206641

Fig. J



Turbulence intensity profiles | Active thruster: BT2
 Maximum TI near bed and location in the vertical
 $\Delta x = 0.8$ m, $\Delta y = 0.0$ m, UKC = 2.5 m, $U_{BT2} = 2.7$ m/s

PIV, FOV4

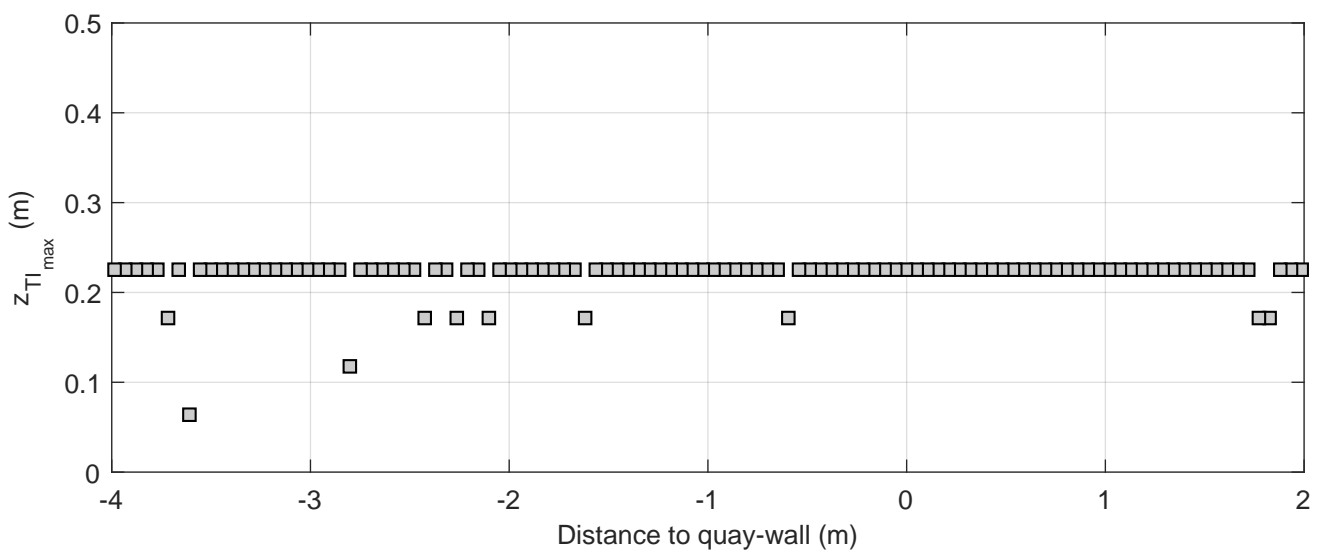
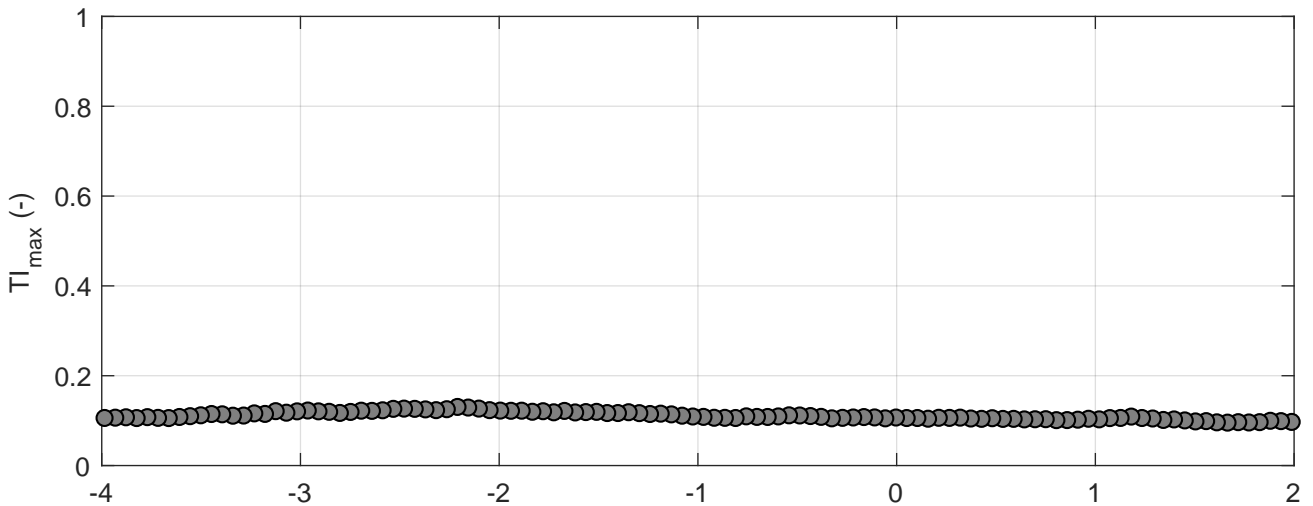
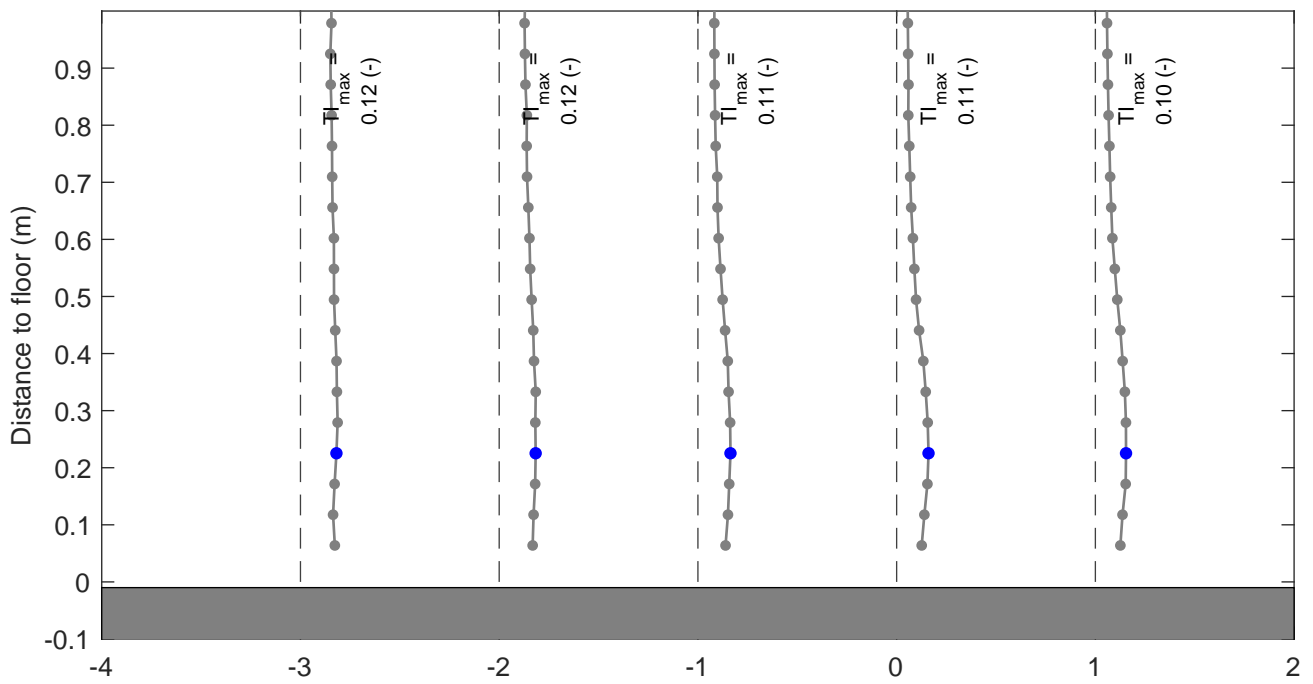
TKI-SOP

PIVSOP178

Deltares

11206641

Fig. J



Turbulence intensity profiles | Active thruster: BT2
 Maximum TI near bed and location in the vertical
 $\Delta x = 0.8$ m, $\Delta y = 0.0$ m, UKC = 2.5 m, $U_{BT2} = 4.9$ m/s

PIV, FOV4

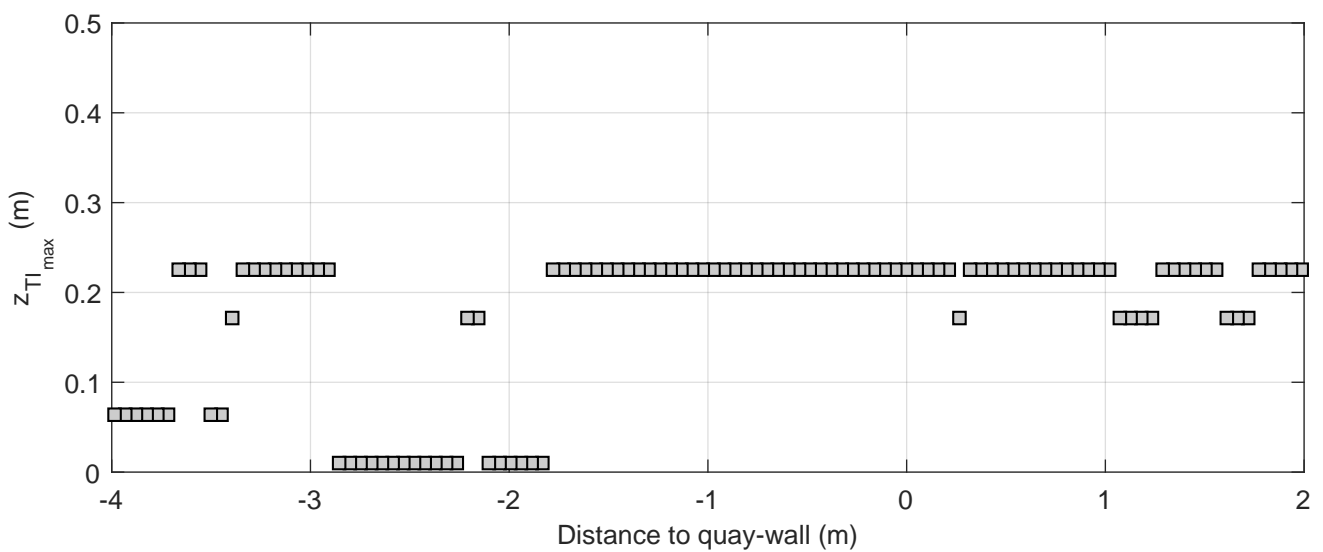
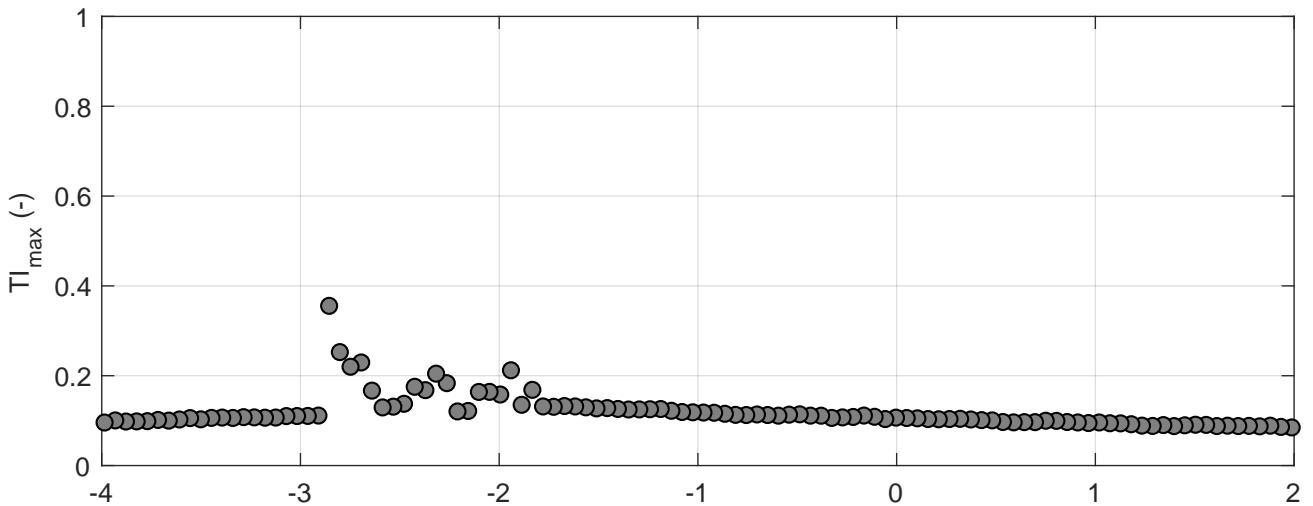
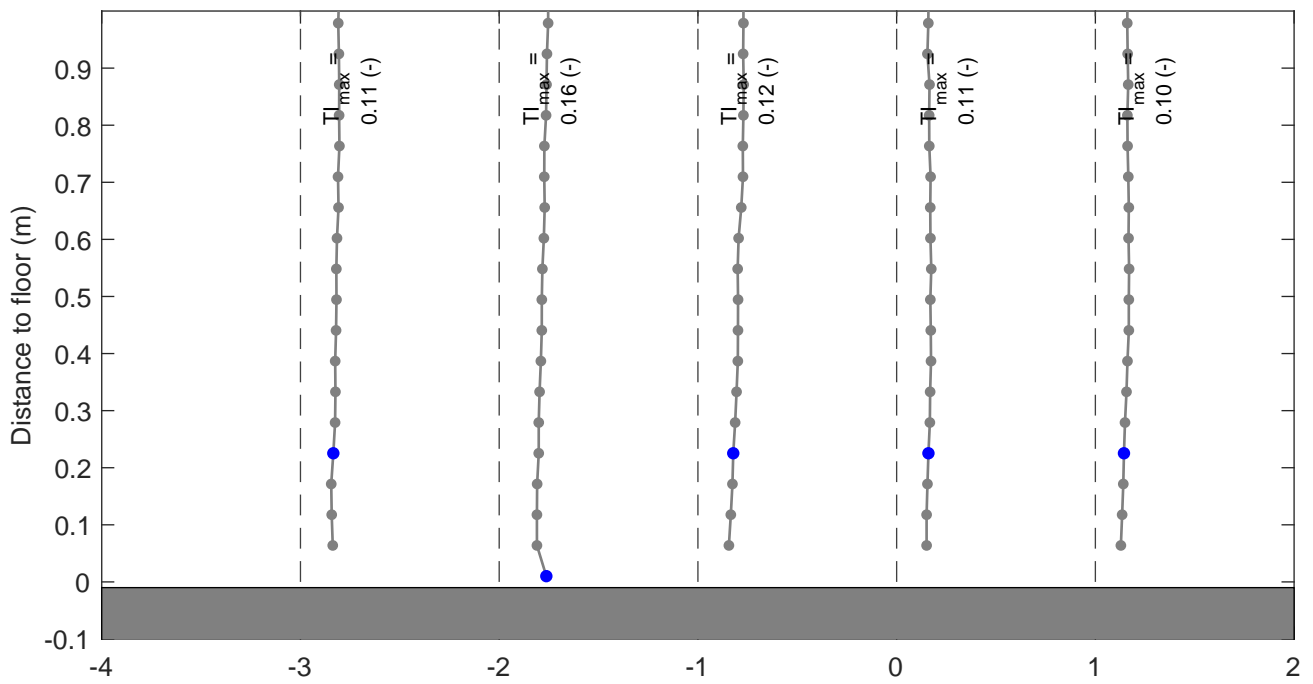
TKI-SOP

PIVSOP180

Deltares

11206641

Fig. J



Turbulence intensity profiles | Active thruster: BT2
 Maximum TI near bed and location in the vertical
 $\Delta x = 0.8$ m, $\Delta y = 0.0$ m, UKC = 2.5 m, $U_{BT2} = 2.6$ m/s

PIV, FOV4

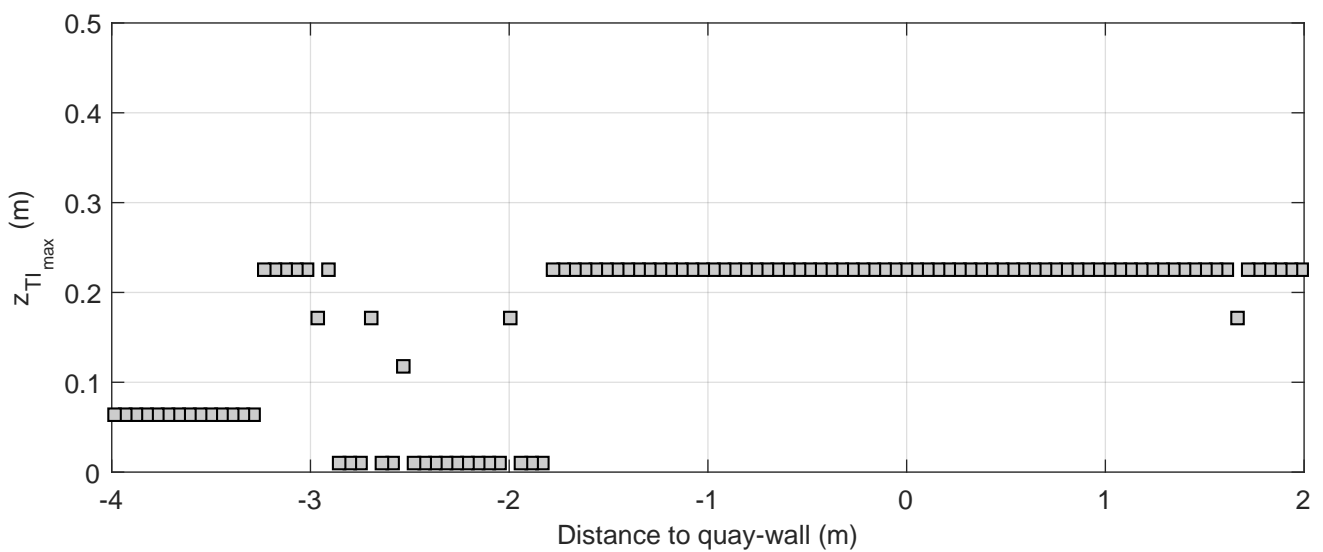
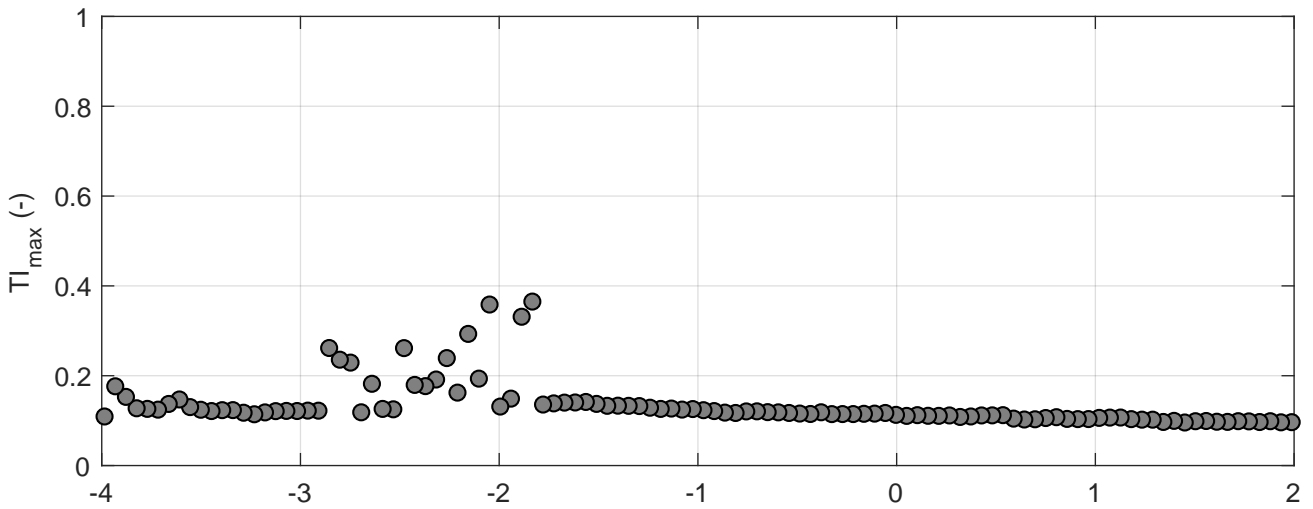
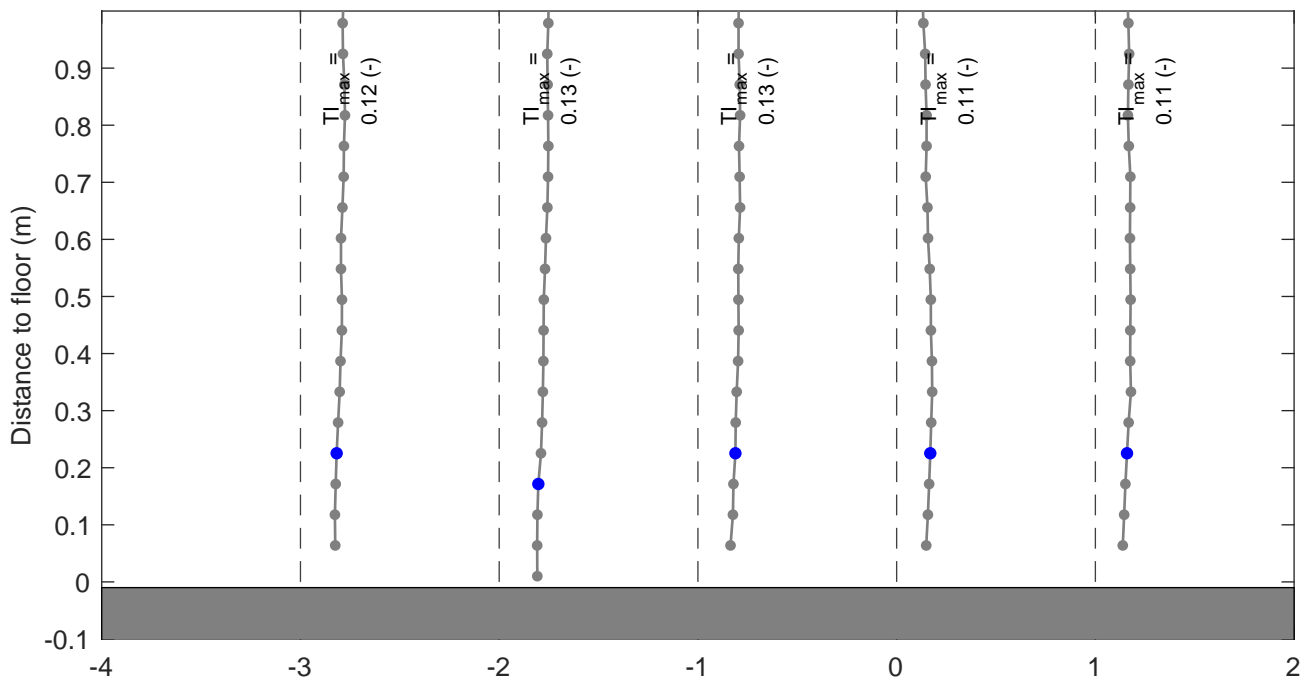
TKI-SOP

PIVSOP183

Deltares

11206641

Fig. J



Turbulence intensity profiles | Active thruster: BT2
 Maximum TI near bed and location in the vertical
 $\Delta x = 0.8$ m, $\Delta y = 0.0$ m, UKC = 2.5 m, $U_{BT2} = 4.9$ m/s

PIV, FOV4

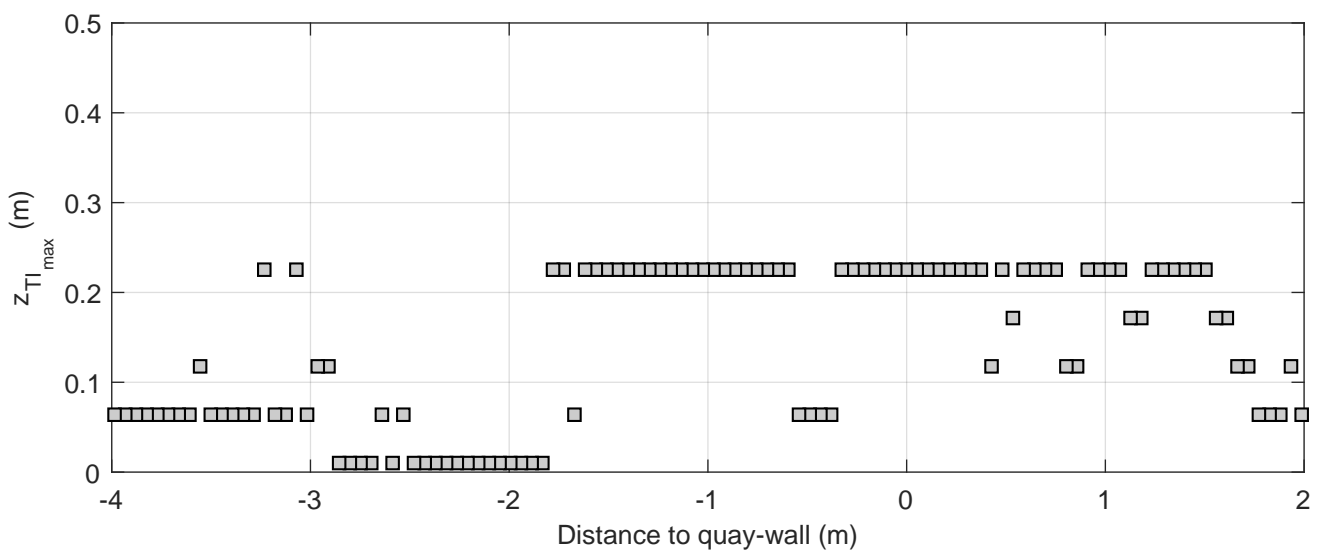
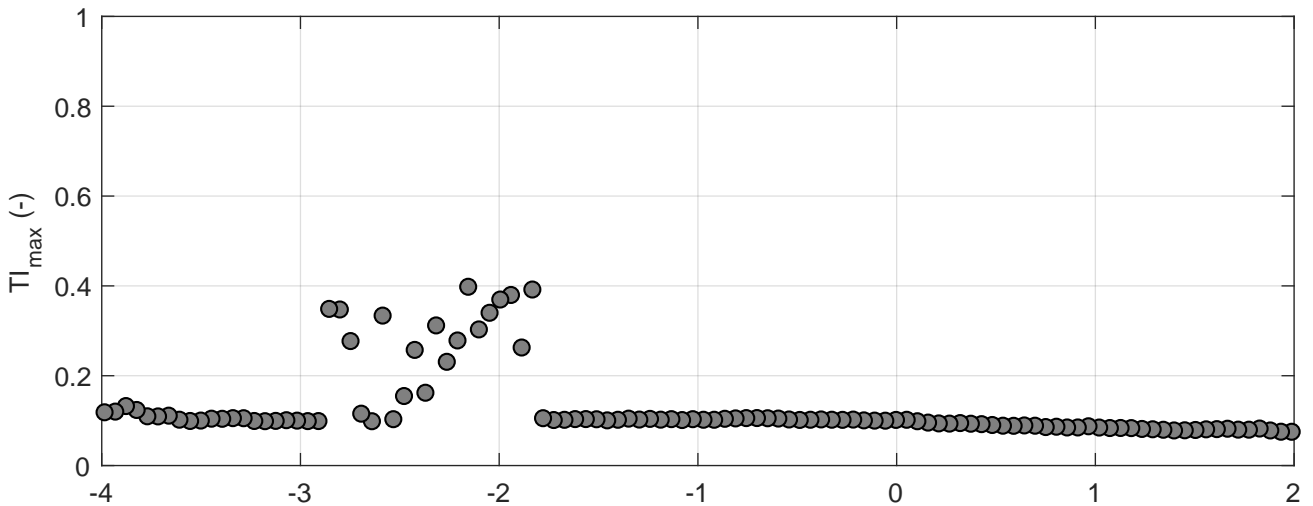
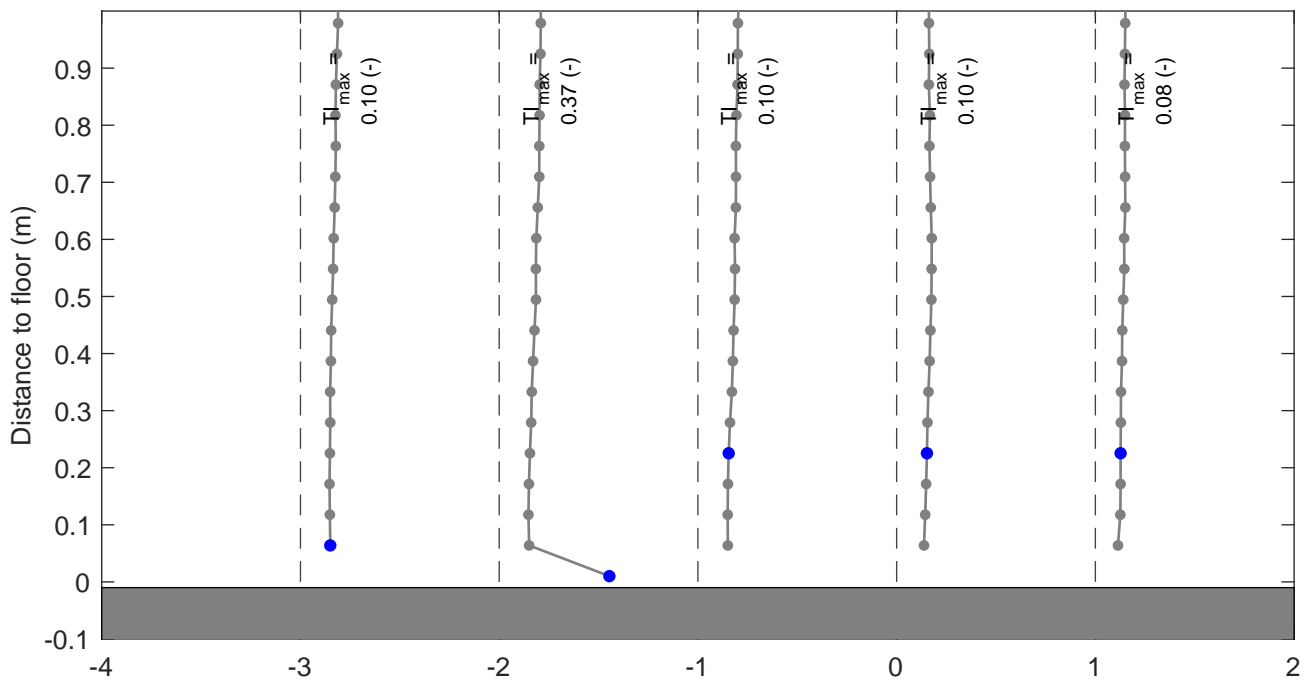
TKI-SOP

PIVSOP186

Deltares

11206641

Fig. J



Turbulence intensity profiles | Active thruster: BT2
 Maximum TI near bed and location in the vertical
 $\Delta x = 3.0$ m, $\Delta y = 0.0$ m, UKC = 2.5 m, $U_{BT2} = 2.6$ m/s

PIV, FOV4

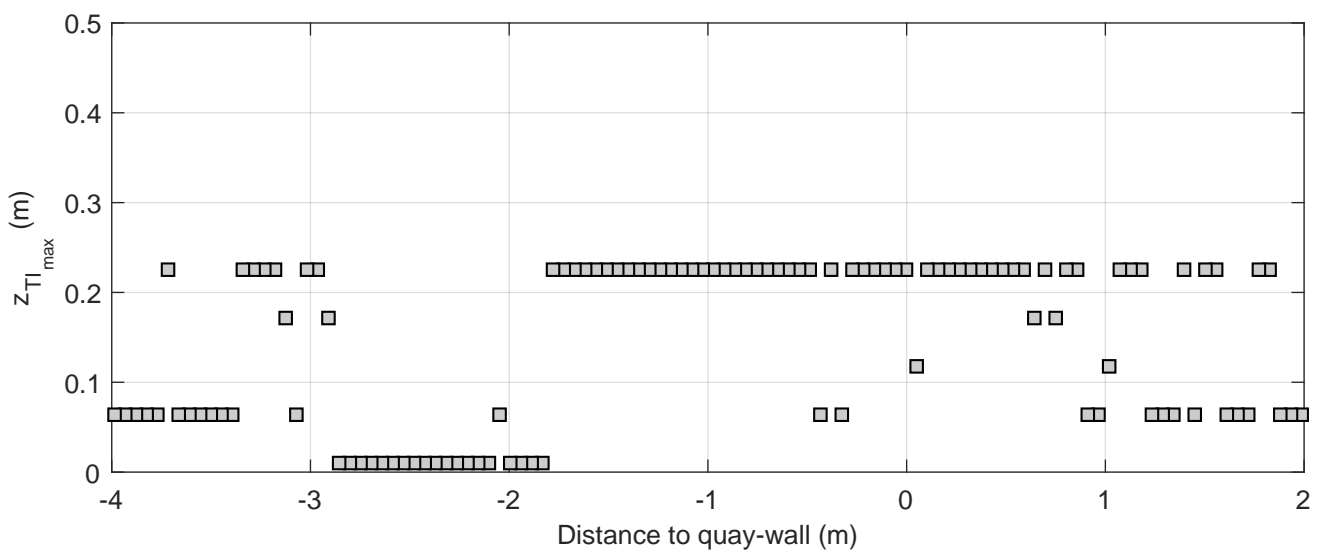
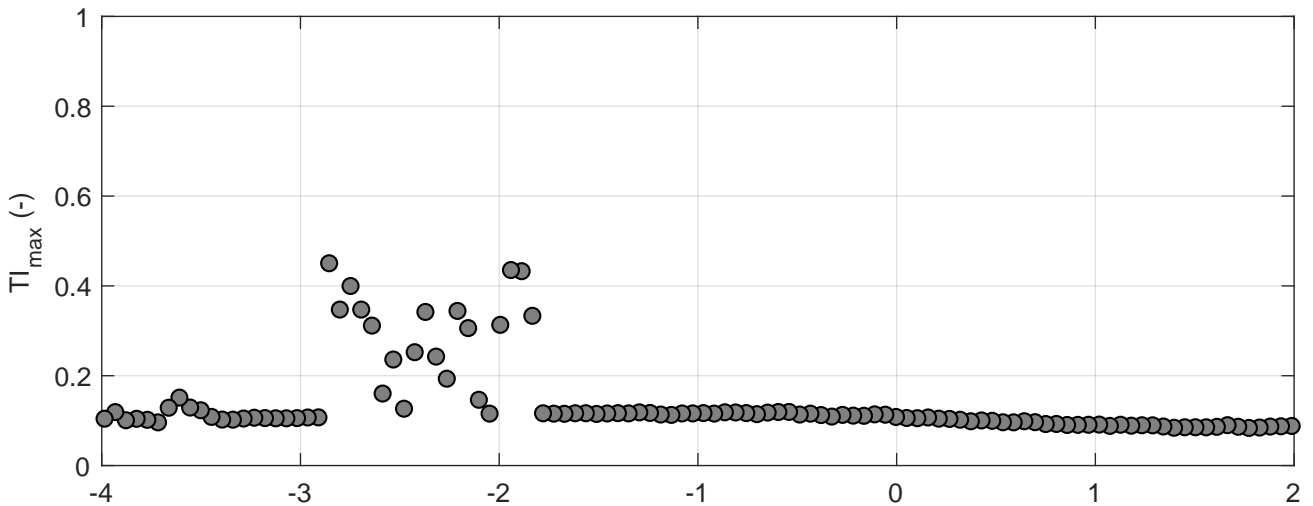
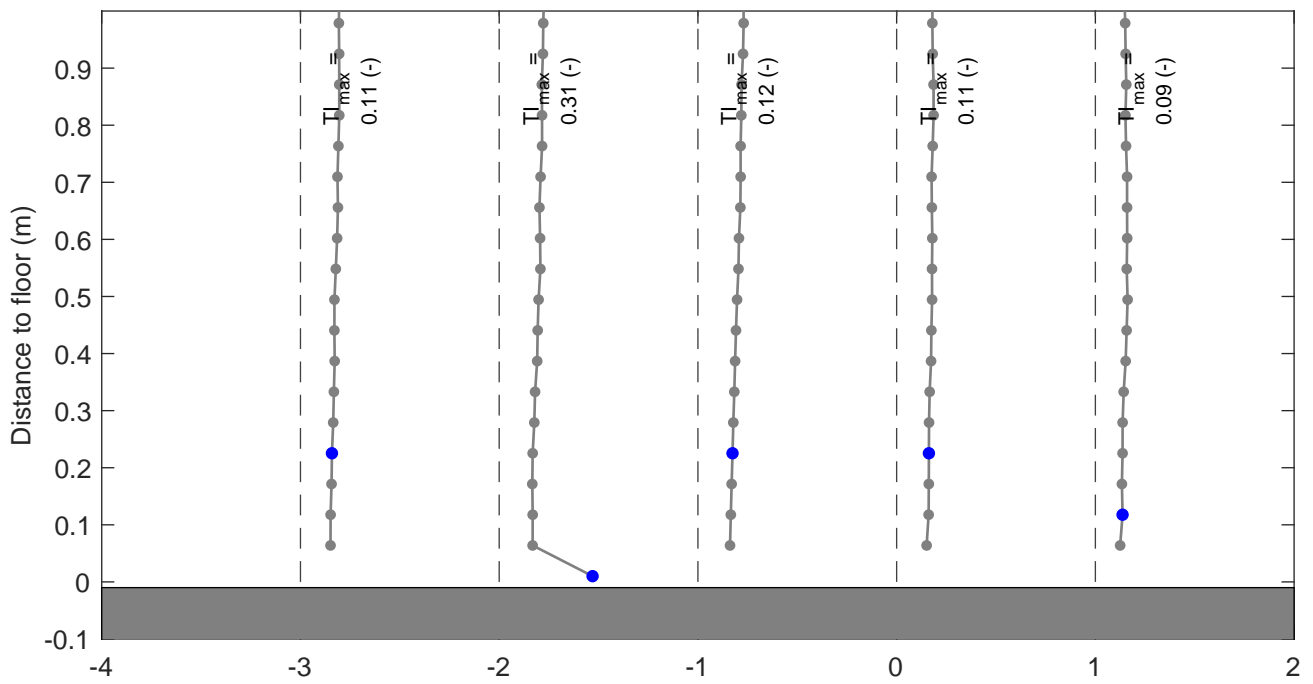
TKI-SOP

PIVSOP189

Deltares

11206641

Fig. J



Turbulence intensity profiles | Active thruster: BT2
 Maximum TI near bed and location in the vertical
 $\Delta x = 3.0$ m, $\Delta y = 0.0$ m, UKC = 2.5 m, $U_{BT2} = 4.4$ m/s

PIV, FOV4

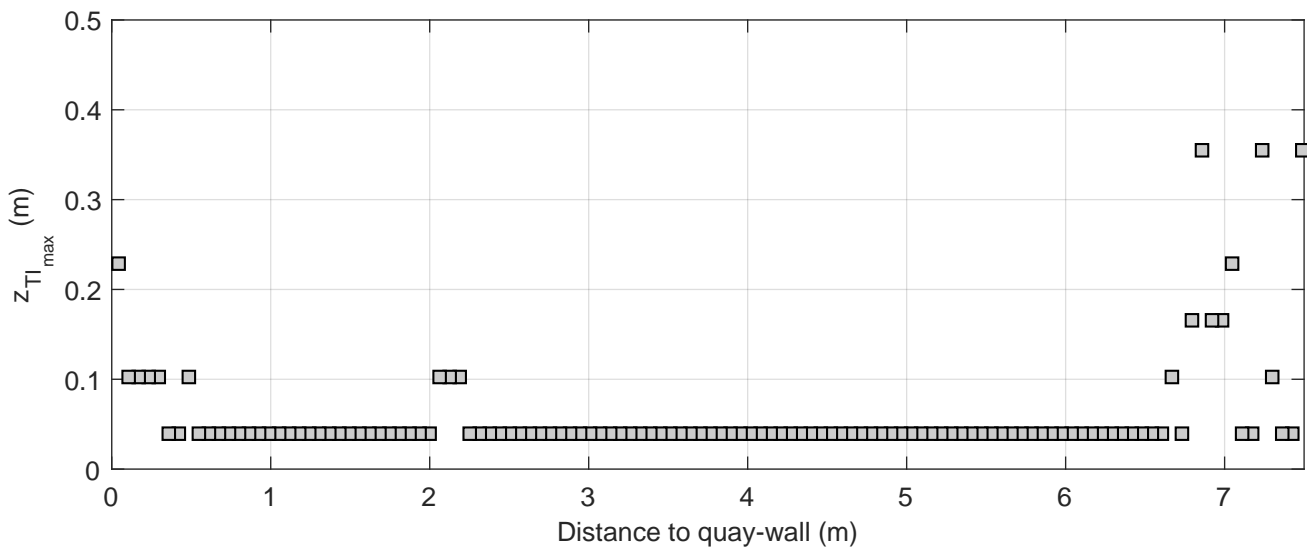
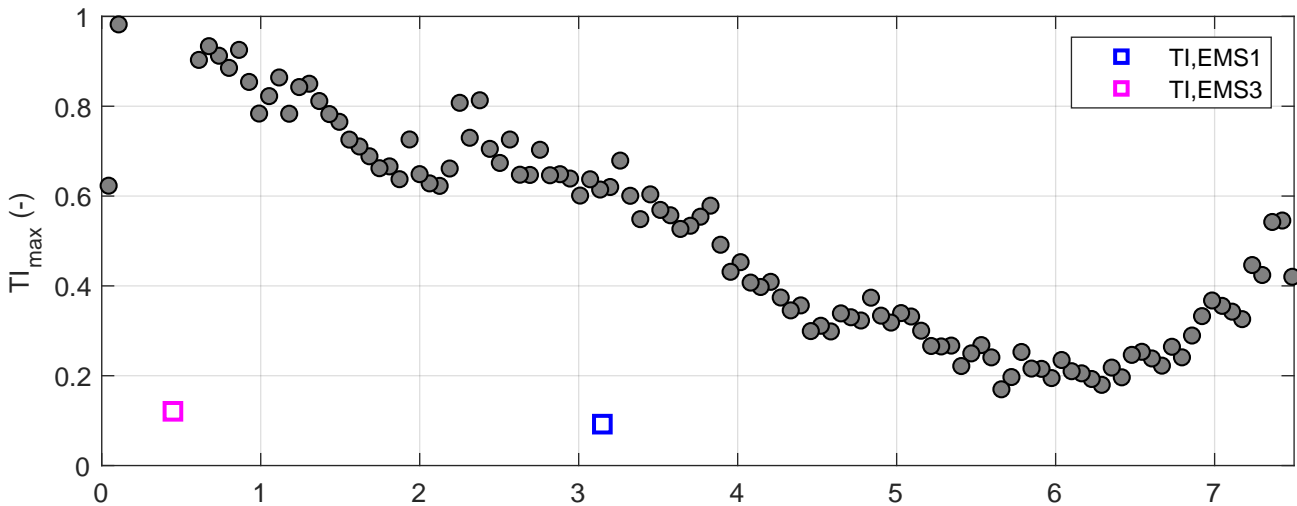
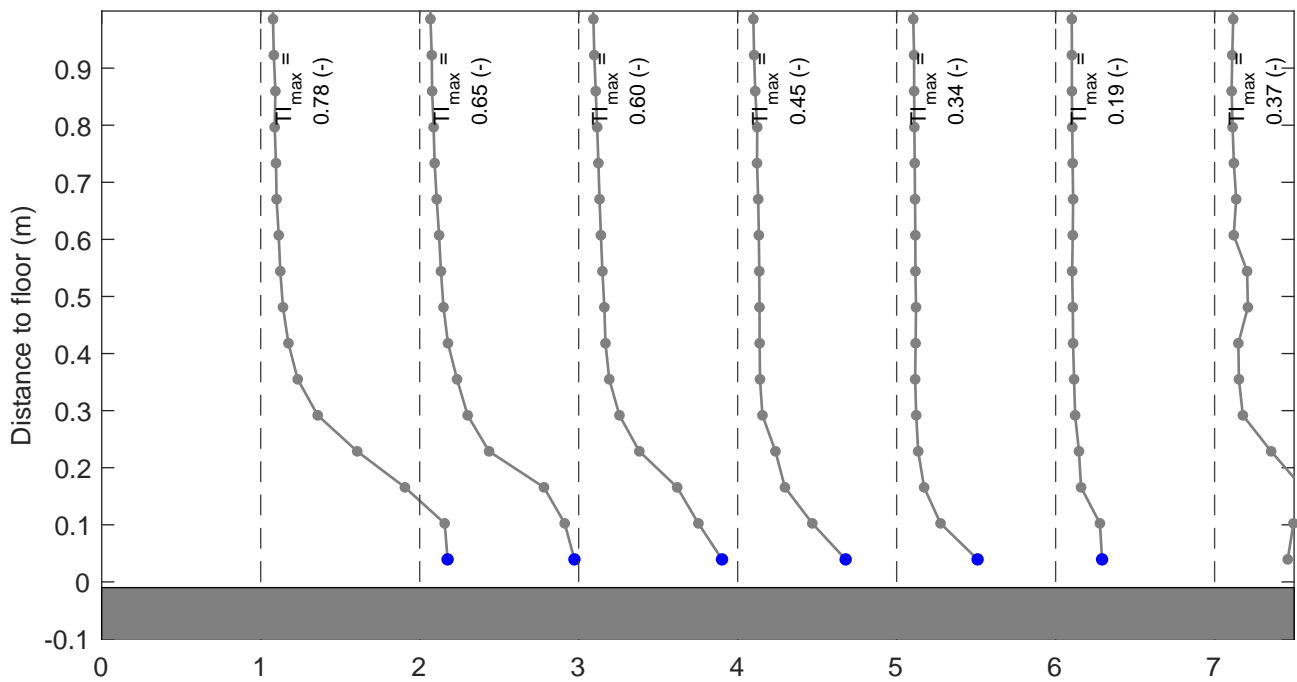
TKI-SOP

PIVSOP191

Deltares

11206641

Fig. J



Turbulence intensity profiles | Active thruster: BT1
 Maximum TI near bed and location in the vertical
 $\Delta x = 0.8 \text{ m}$, $\Delta y = 3.5 \text{ m}$, $UKC = 2.5 \text{ m}$, $U_{BT2} = 4.3 \text{ m/s}$

PIV, FOV1

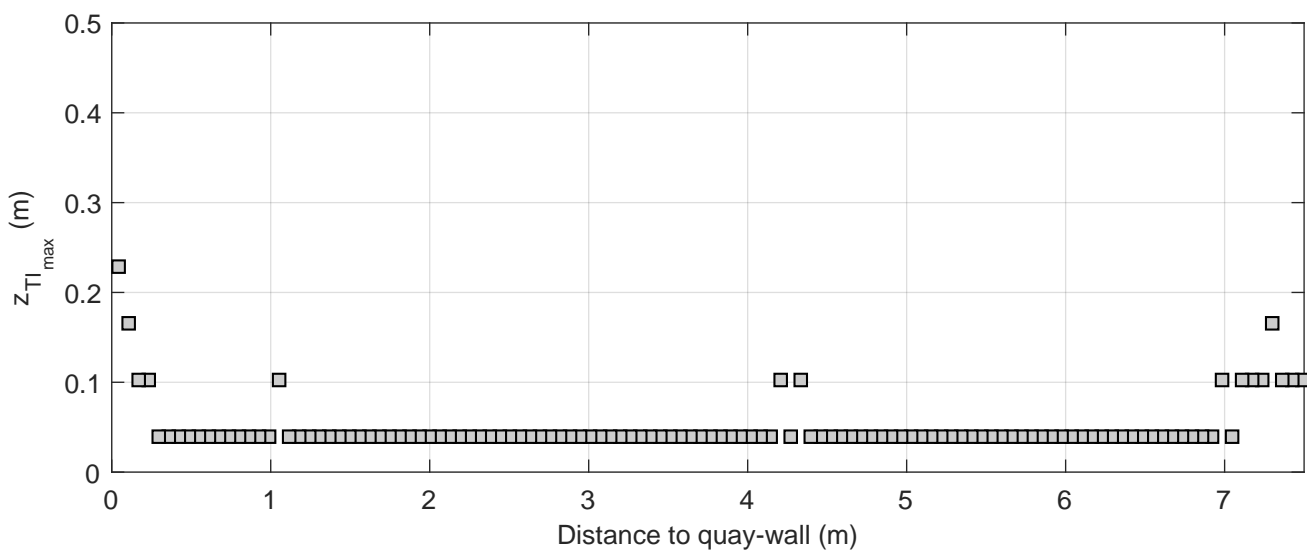
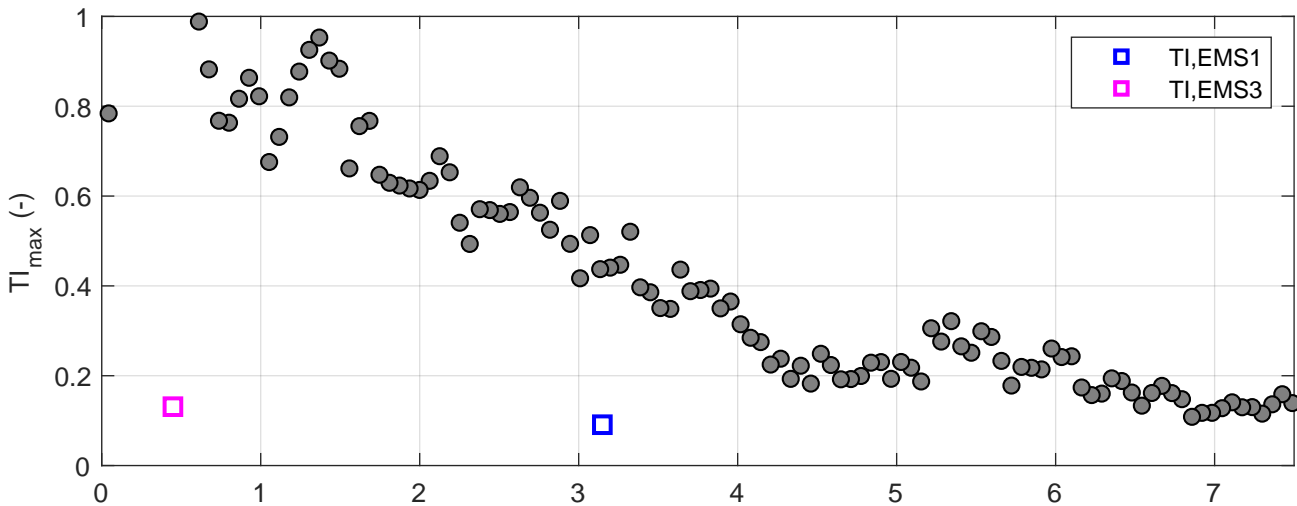
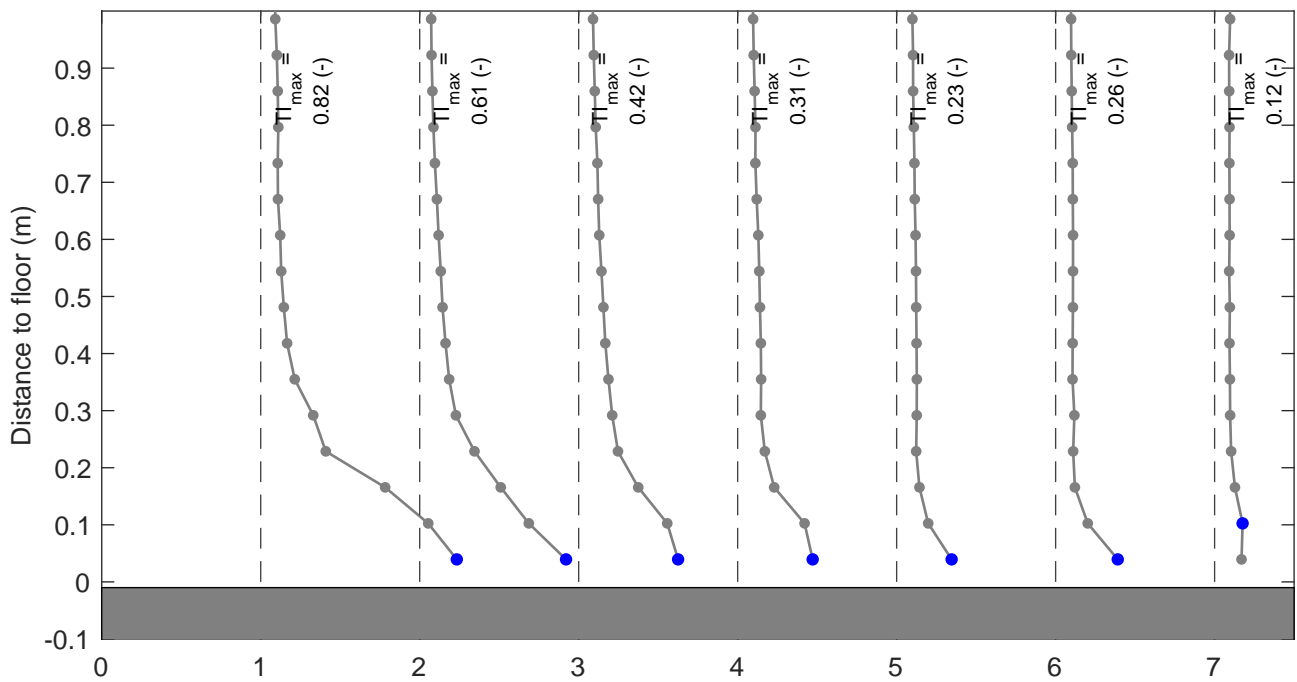
TKI-SOP

PIVSOP213

Deltares

11206641

Fig. J



Turbulence intensity profiles | Active thruster: BT1
 Maximum TI near bed and location in the vertical
 $\Delta x = 0.8$ m, $\Delta y = 2.0$ m, UKC = 2.5 m, $U_{BT2} = 4.3$ m/s

PIV, FOV1

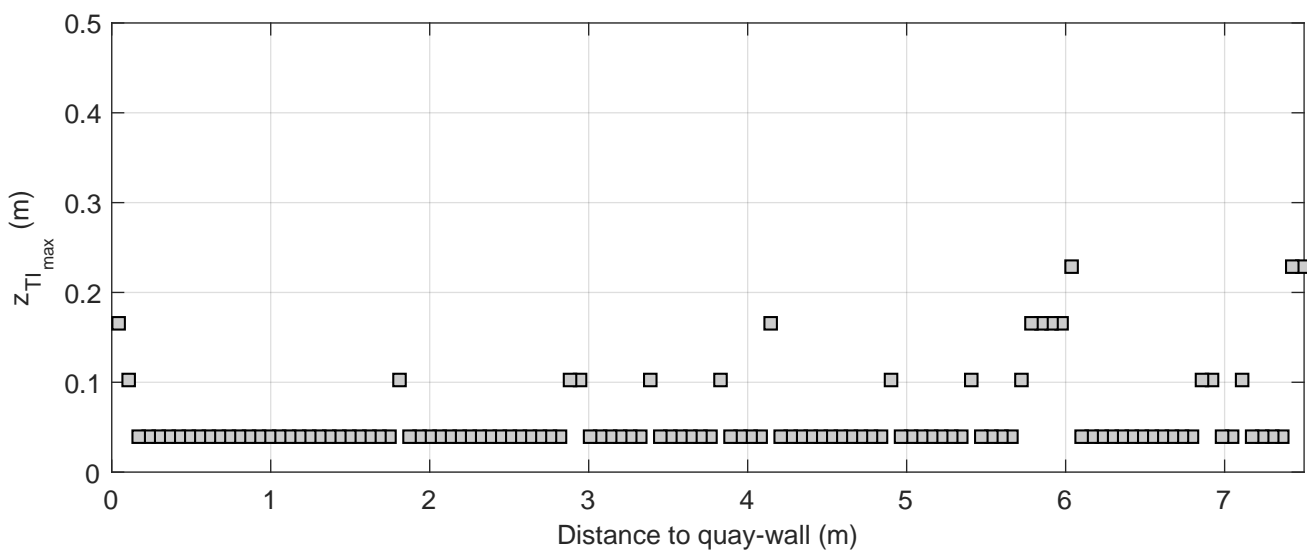
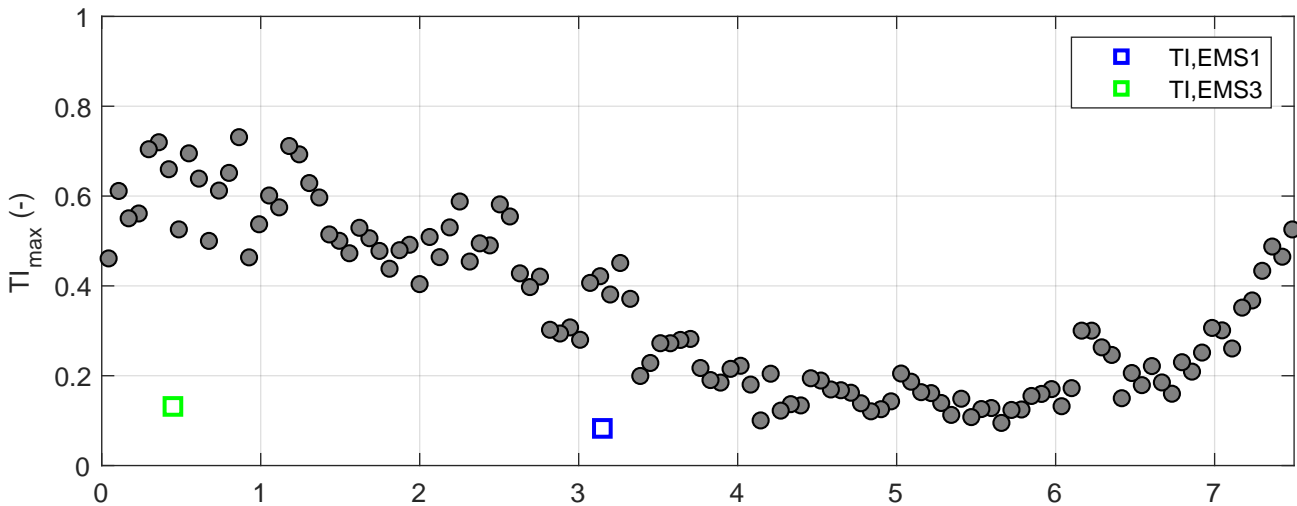
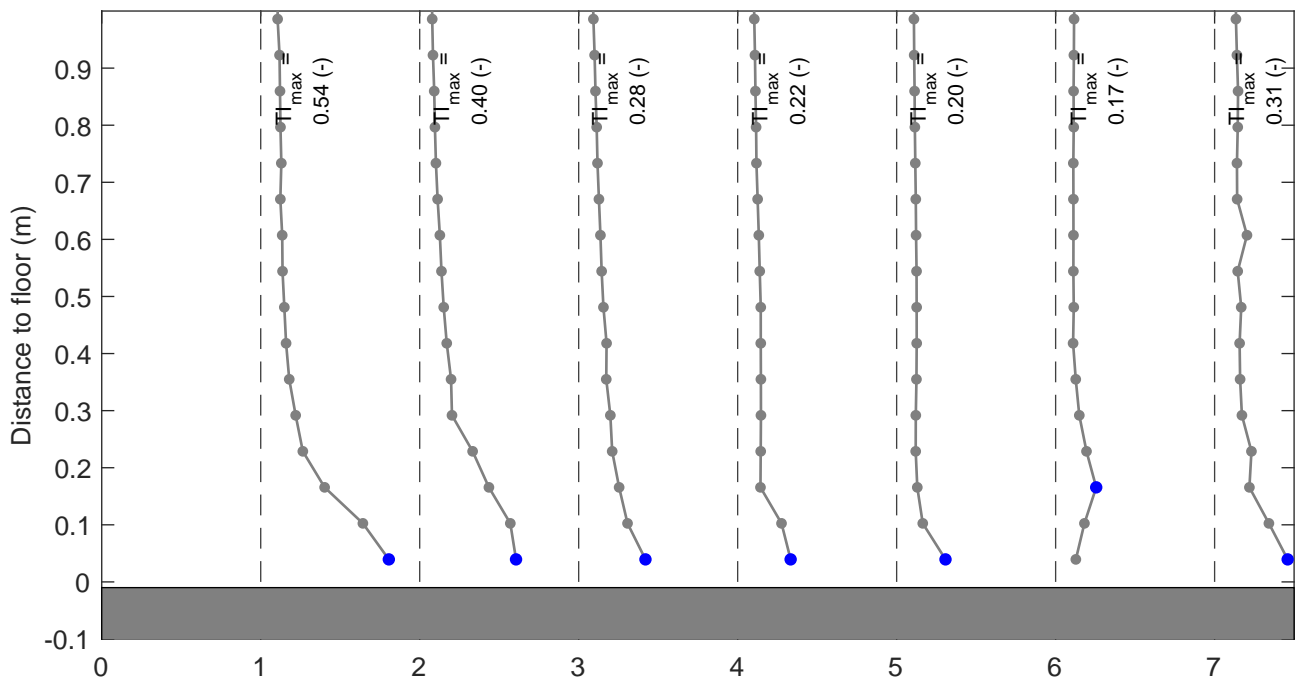
TKI-SOP

PIVSOP215

Deltares

11206641

Fig. J



Turbulence intensity profiles | Active thruster: BT1
 Maximum TI near bed and location in the vertical
 $\Delta x = 0.8$ m, $\Delta y = 2.0$ m, UKC = 2.5 m, $U_{BT2} = 4.4$ m/s

PIV, FOV1

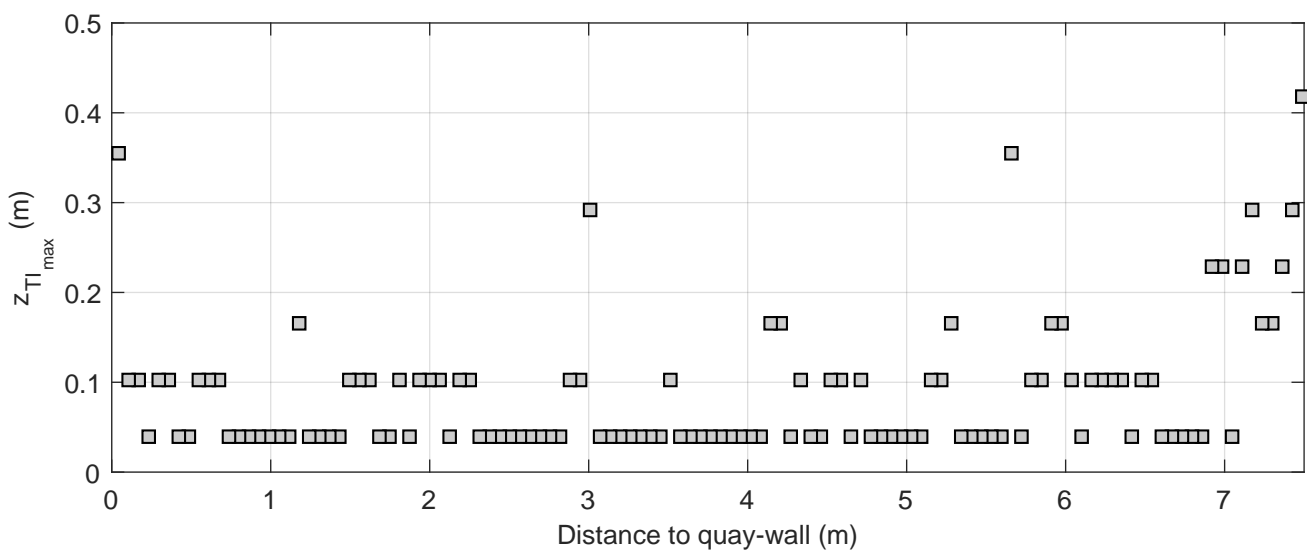
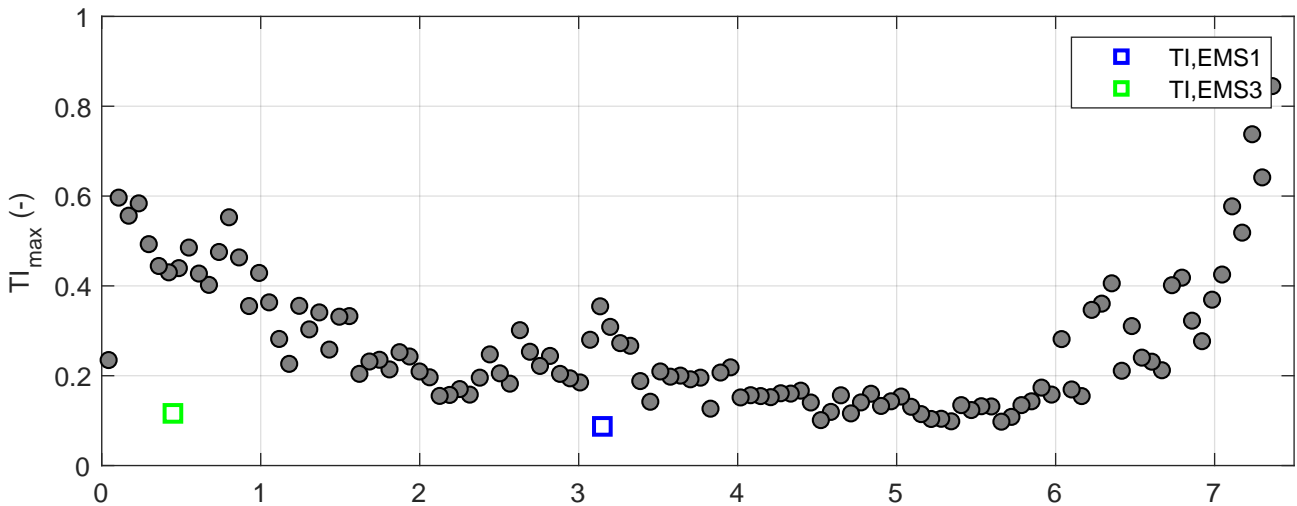
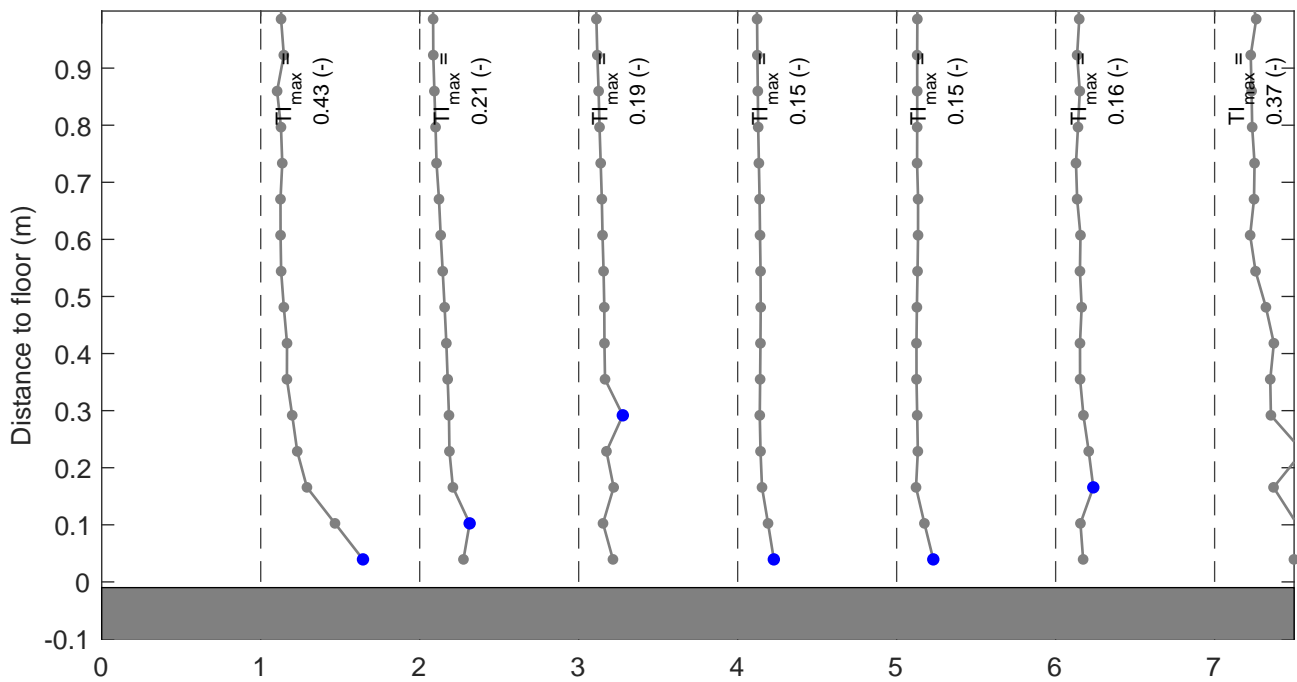
TKI-SOP

PIVSOP218

Deltares

11206641

Fig. J



Turbulence intensity profiles | Active thruster: BT1
 Maximum TI near bed and location in the vertical
 $\Delta x = 0.8 \text{ m}$, $\Delta y = 3.5 \text{ m}$, $UKC = 2.5 \text{ m}$, $U_{BT2} = 4.4 \text{ m/s}$

PIV, FOV1

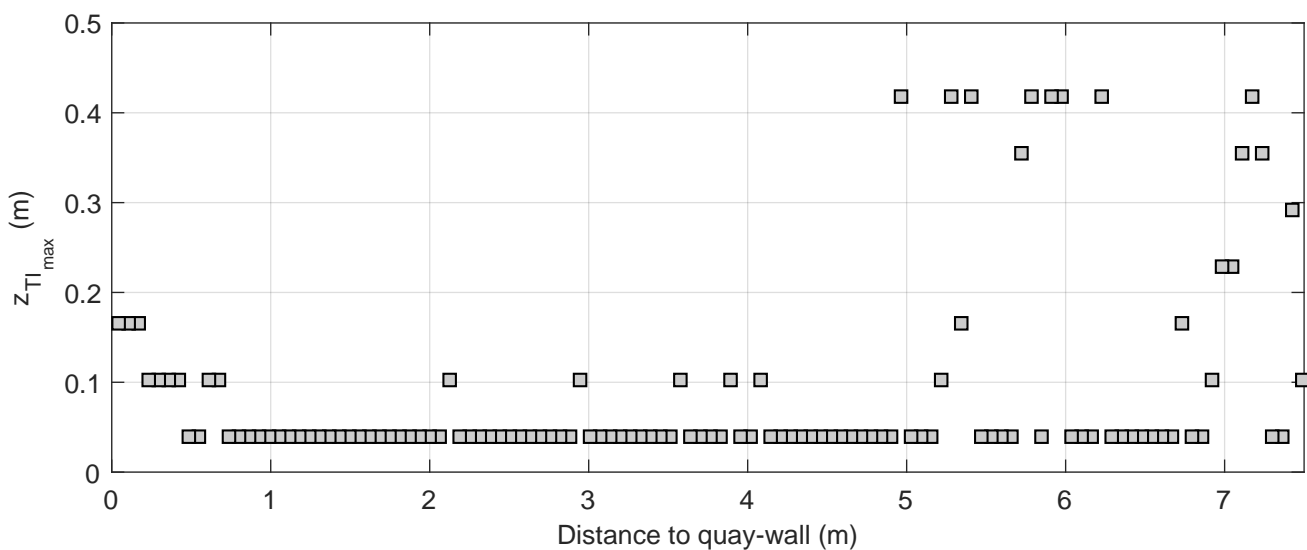
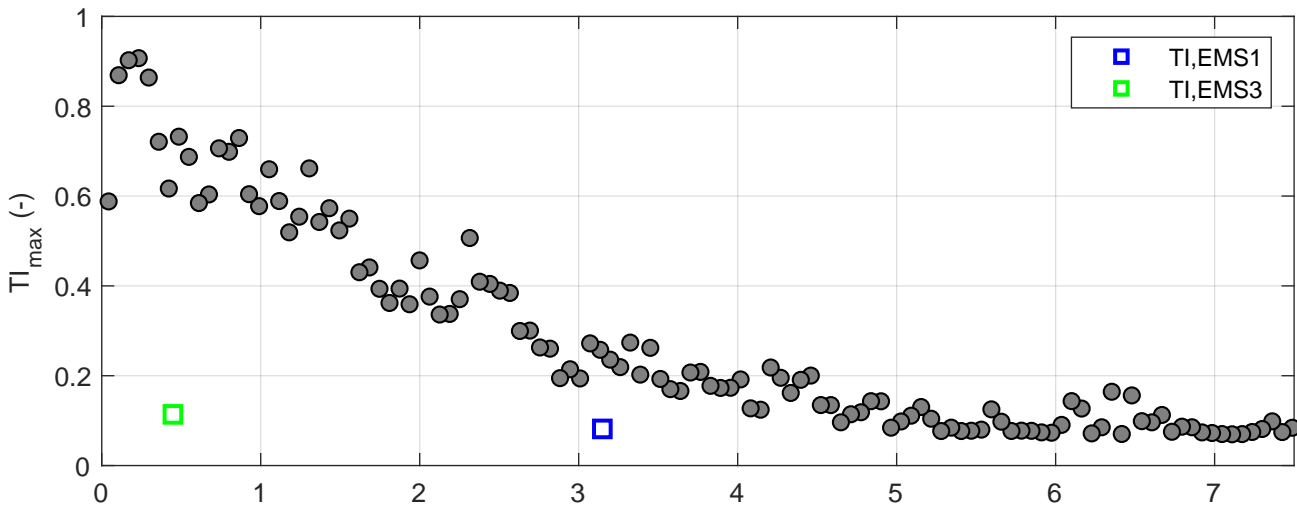
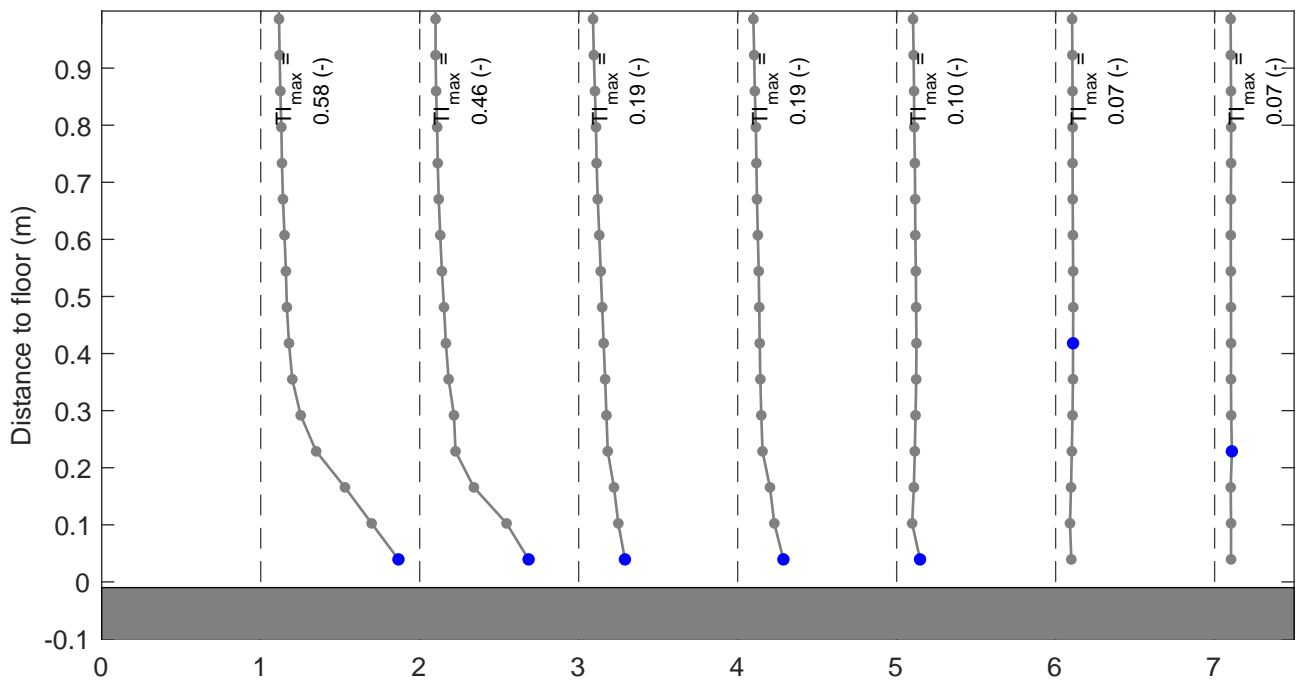
TKI-SOP

PIVSOP221

Deltares

11206641

Fig. J



Turbulence intensity profiles | Active thruster: BT1
 Maximum TI near bed and location in the vertical
 $\Delta x = 0.8 \text{ m}$, $\Delta y = 0.0 \text{ m}$, $UKC = 2.5 \text{ m}$, $U_{BT2} = 4.4 \text{ m/s}$

PIV, FOV1

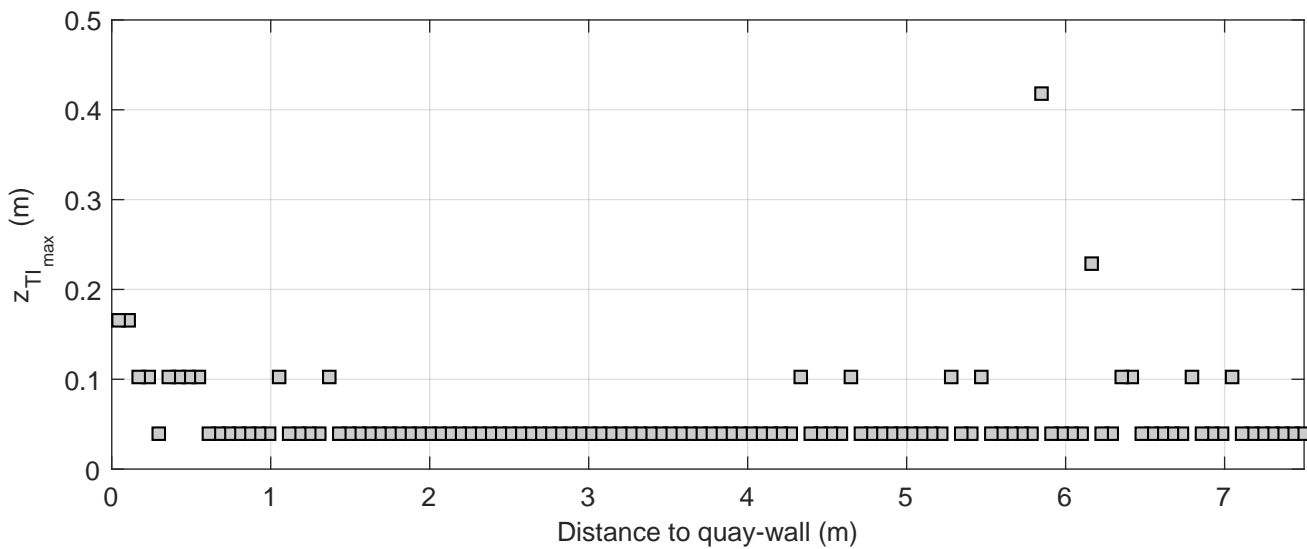
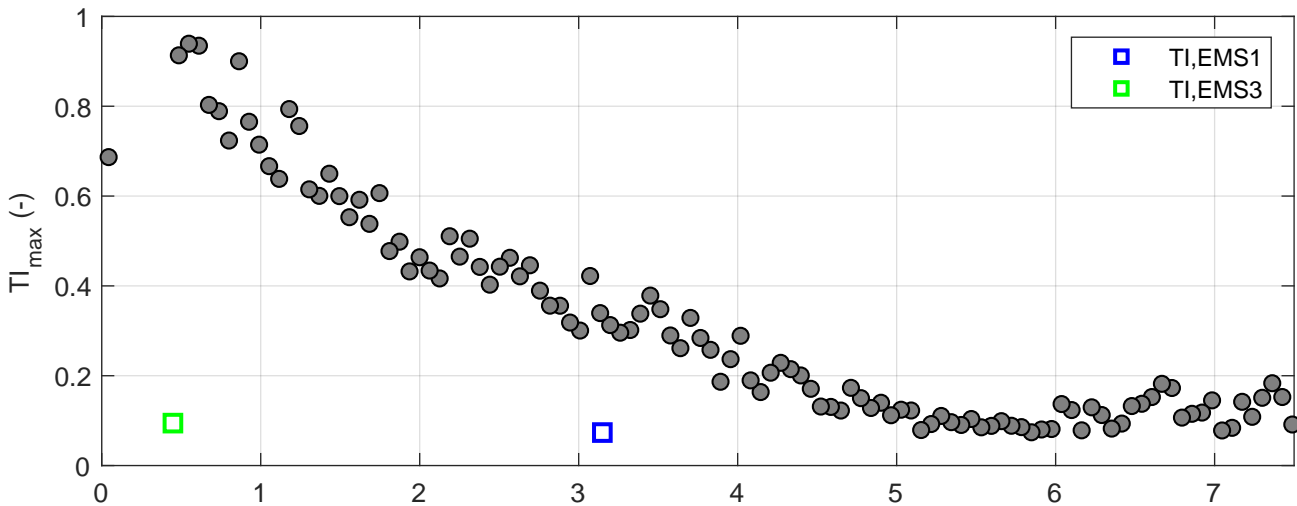
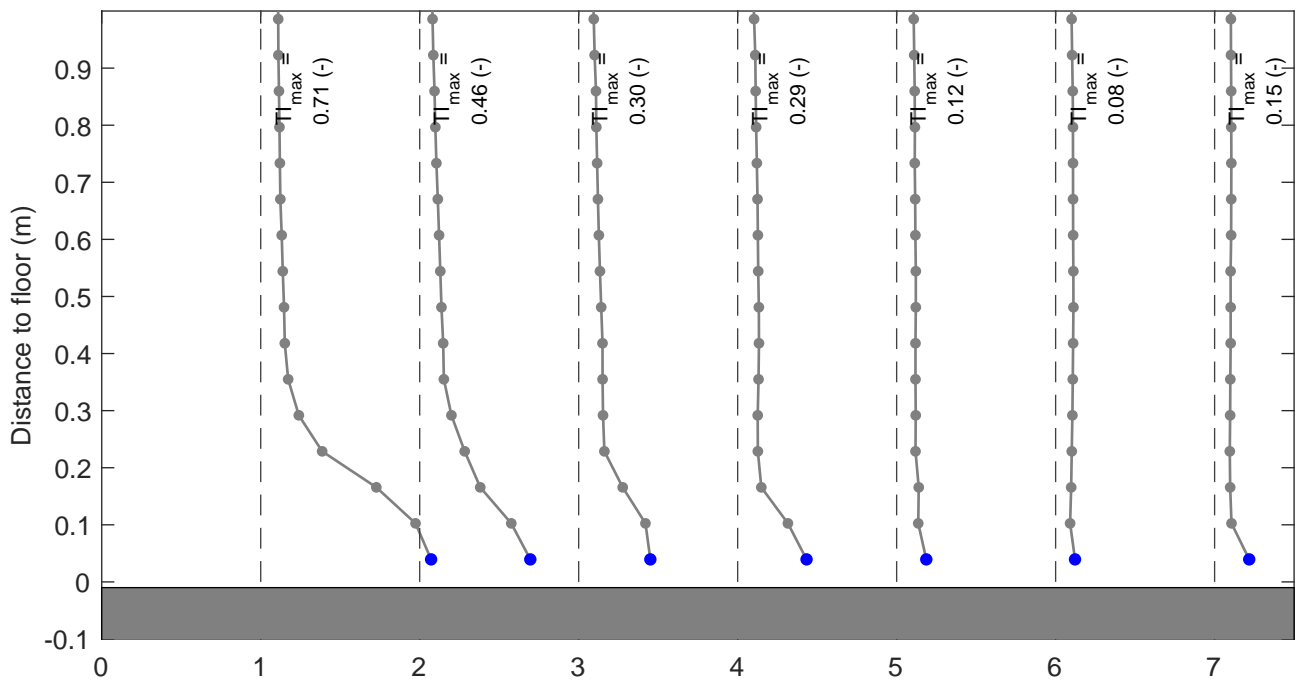
TKI-SOP

PIVSOP223

Deltares

11206641

Fig. J



Turbulence intensity profiles | Active thruster: BT1
 Maximum TI near bed and location in the vertical
 $\Delta x = 0.8 \text{ m}$, $\Delta y = -2.0 \text{ m}$, $UKC = 2.5 \text{ m}$, $U_{BT2} = 4.3 \text{ m/s}$

PIV, FOV1

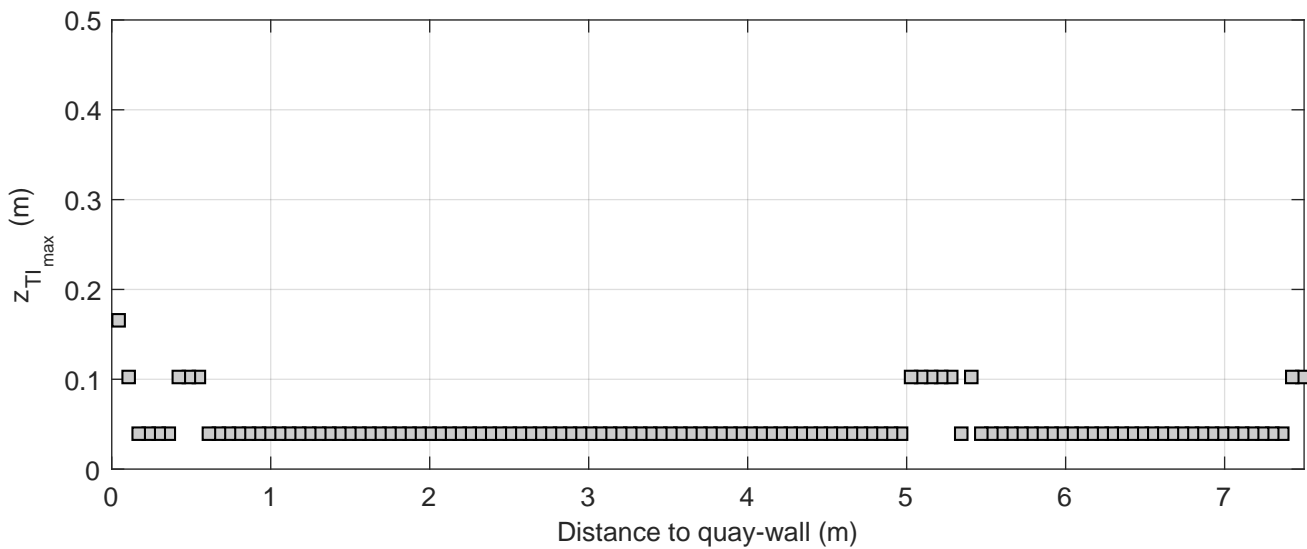
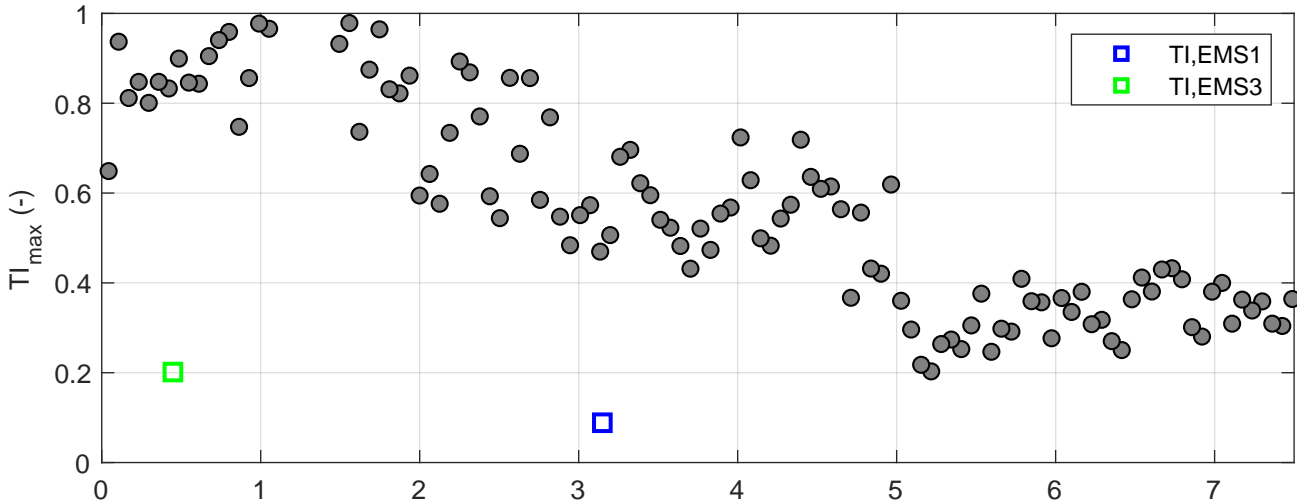
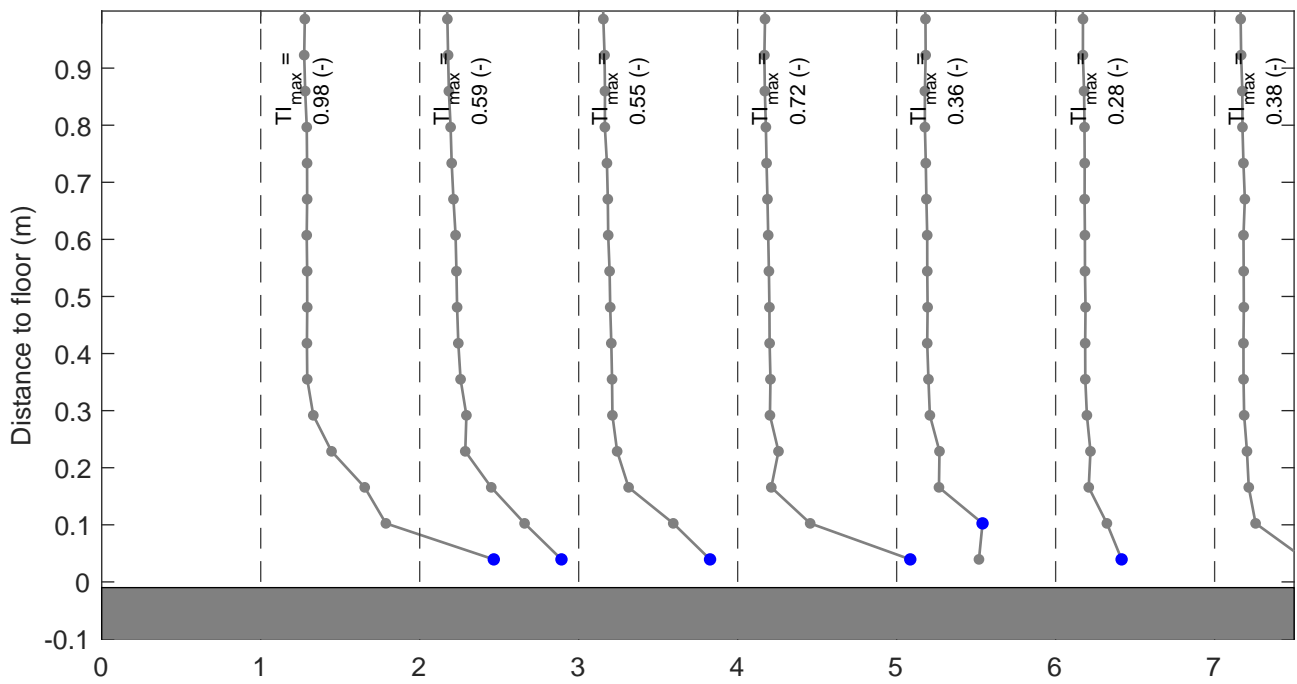
TKI-SOP

PIVSOP225

Deltares

11206641

Fig. J



Turbulence intensity profiles | Active thruster: BT1&BT2
 Maximum TI near bed and location in the vertical
 $\Delta x = 0.8 \text{ m}$, $\Delta y = 0.0 \text{ m}$, $UKC = 2.5 \text{ m}$, $U_{BT2} = 4.4 \text{ m/s}$

PIV, FOV1

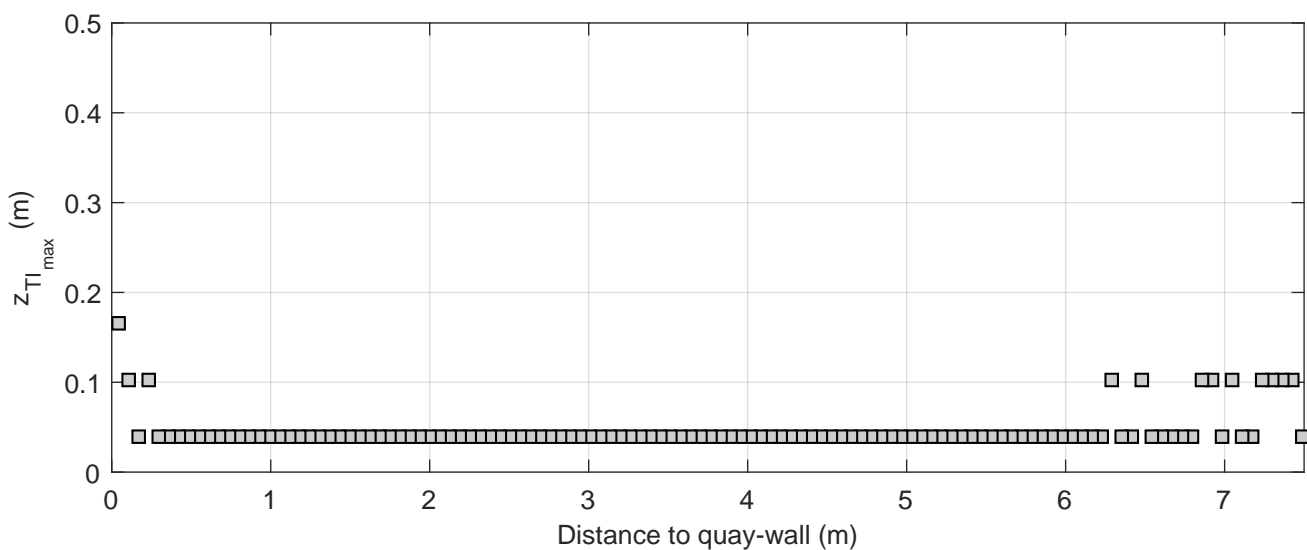
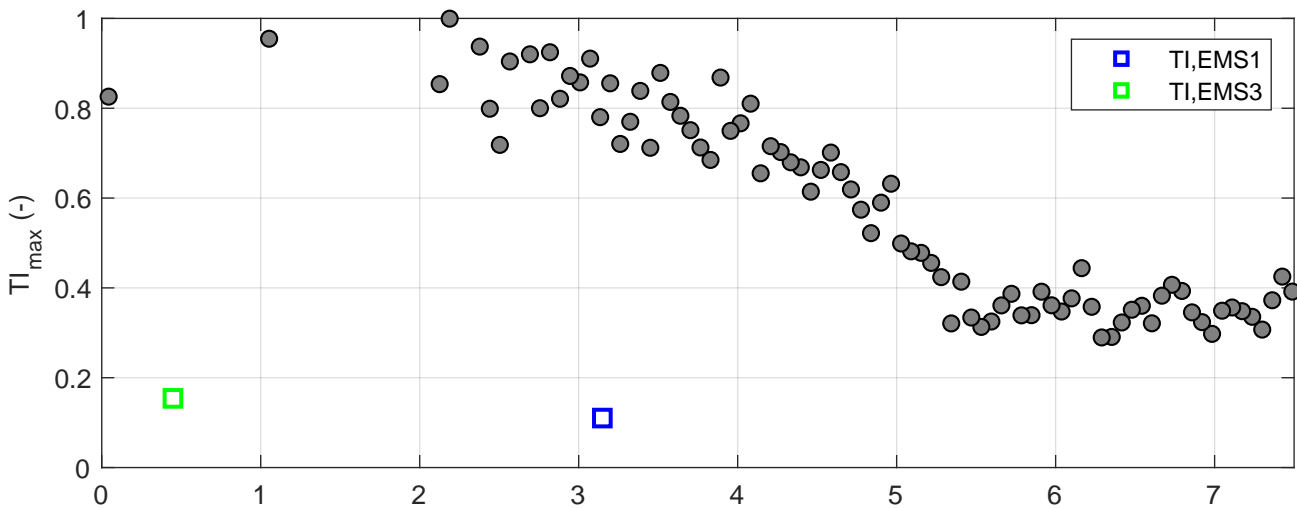
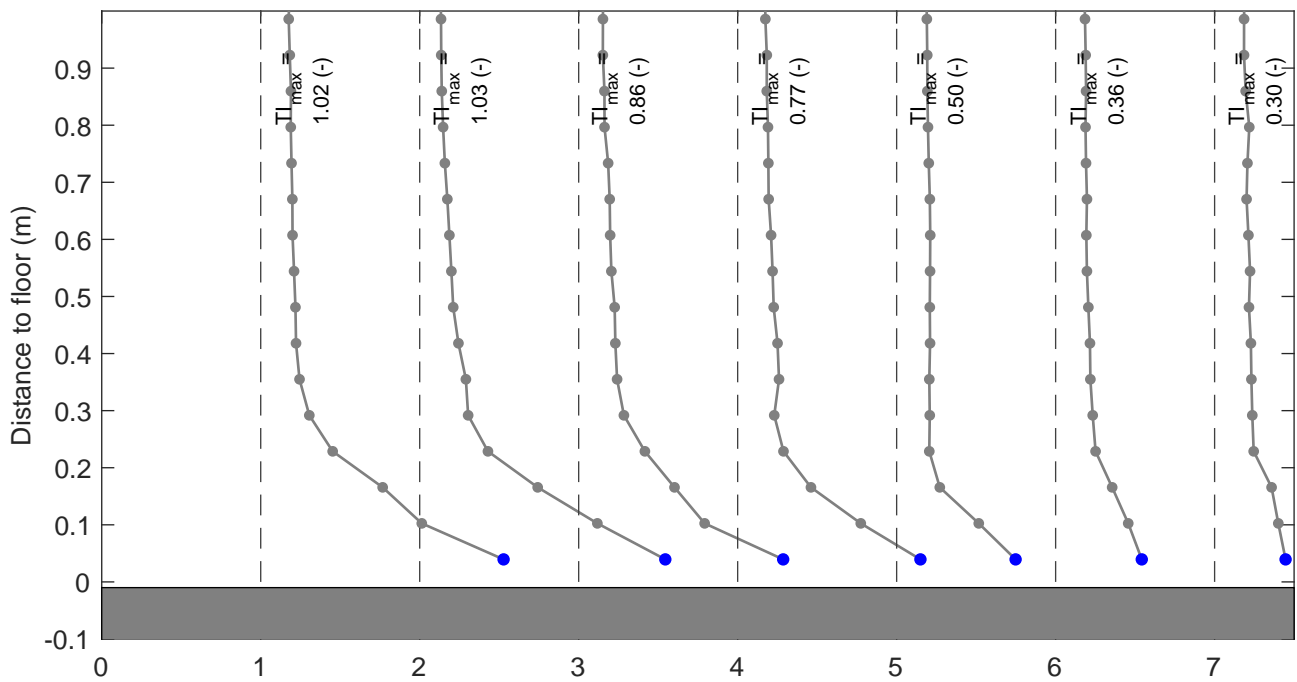
TKI-SOP

PIVSOP231

Deltares

11206641

Fig. J



Turbulence intensity profiles | Active thruster: BT1&BT2
 Maximum TI near bed and location in the vertical
 $\Delta x = 0.8 \text{ m}$, $\Delta y = 2.0 \text{ m}$, $UKC = 2.5 \text{ m}$, $U_{BT2} = 4.1 \text{ m/s}$

PIV, FOV1

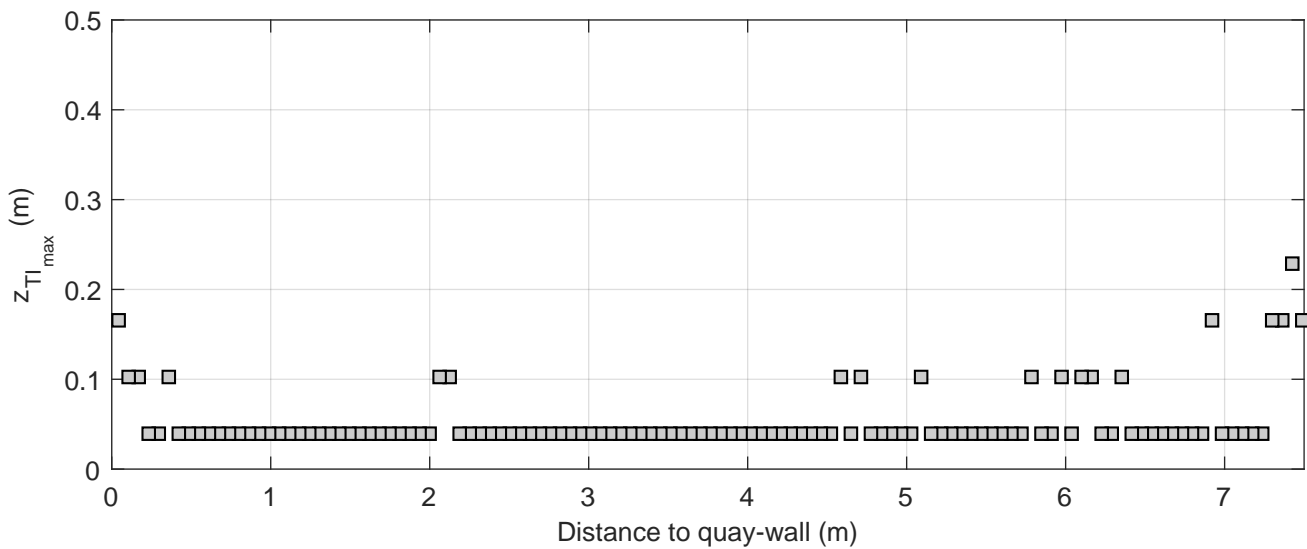
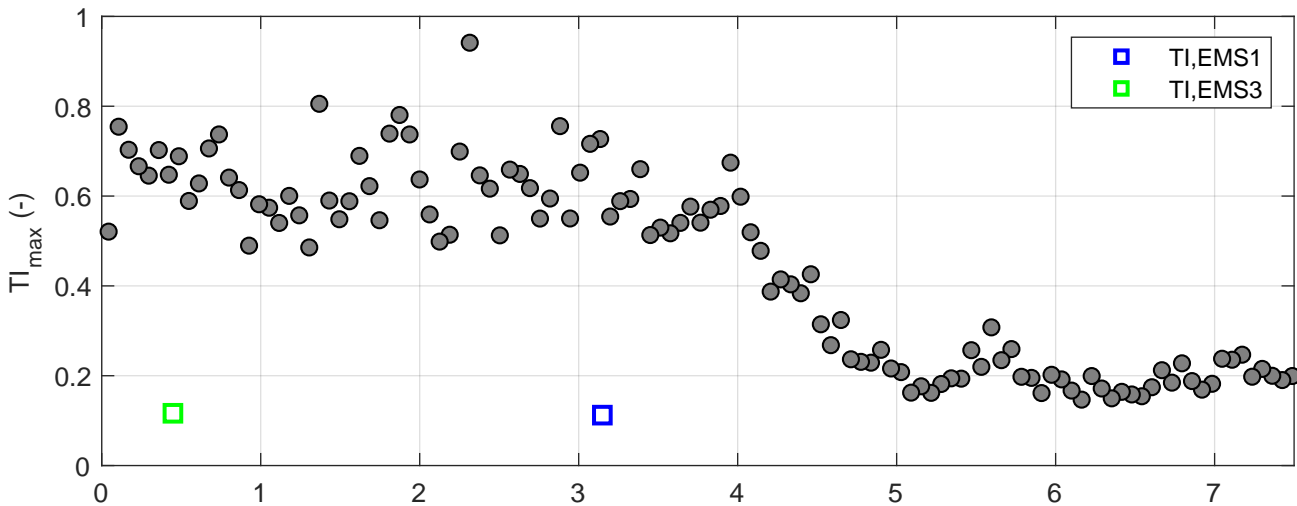
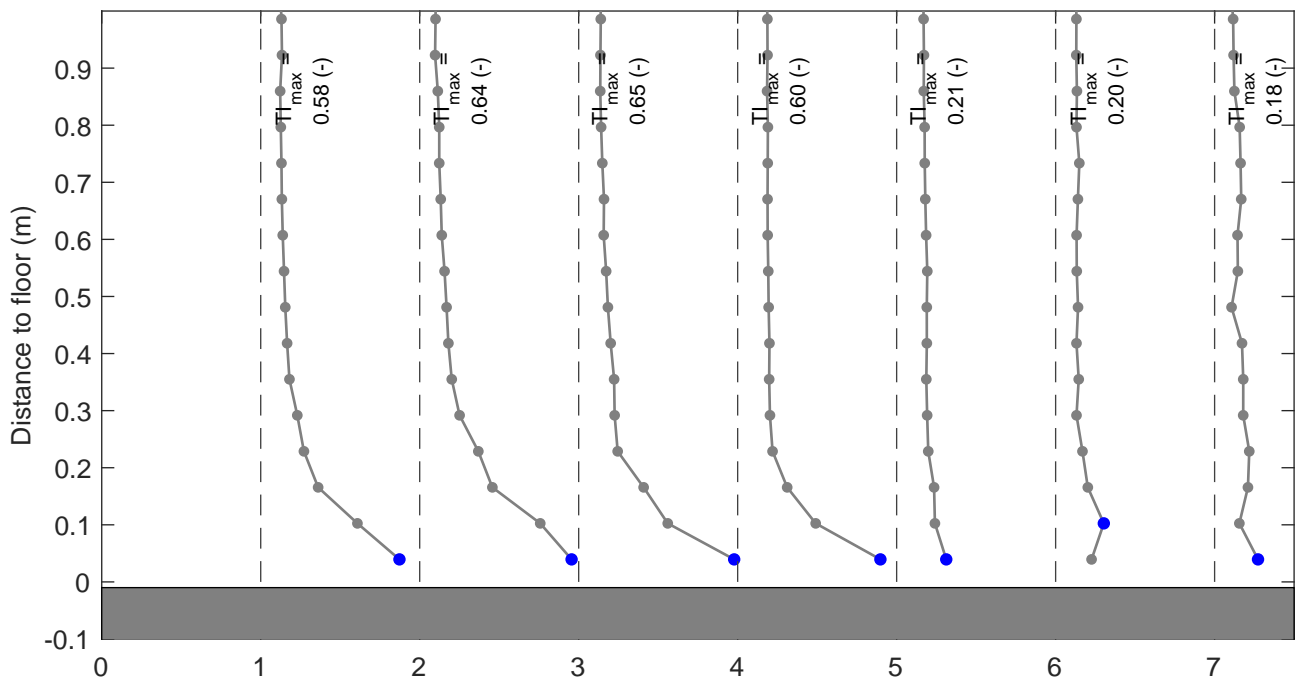
TKI-SOP

PIVSOP233

Deltares

11206641

Fig. J



Turbulence intensity profiles | Active thruster: BT1&BT2
 Maximum TI near bed and location in the vertical
 $\Delta x = 0.8 \text{ m}$, $\Delta y = 3.5 \text{ m}$, $UKC = 2.5 \text{ m}$, $U_{BT2} = 4.3 \text{ m/s}$

PIV, FOV1

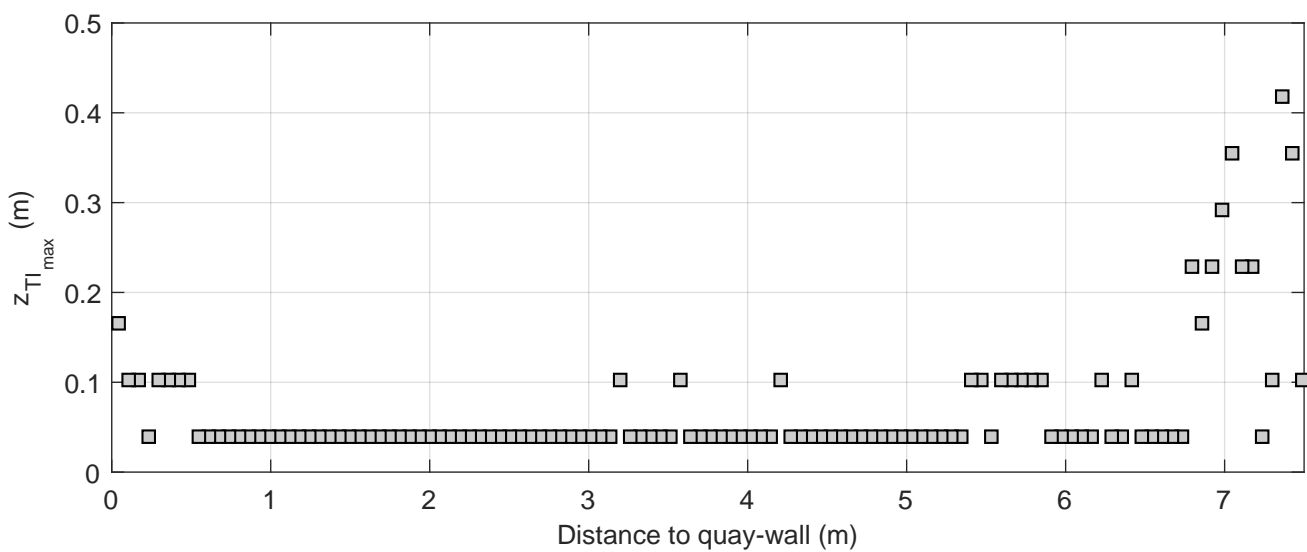
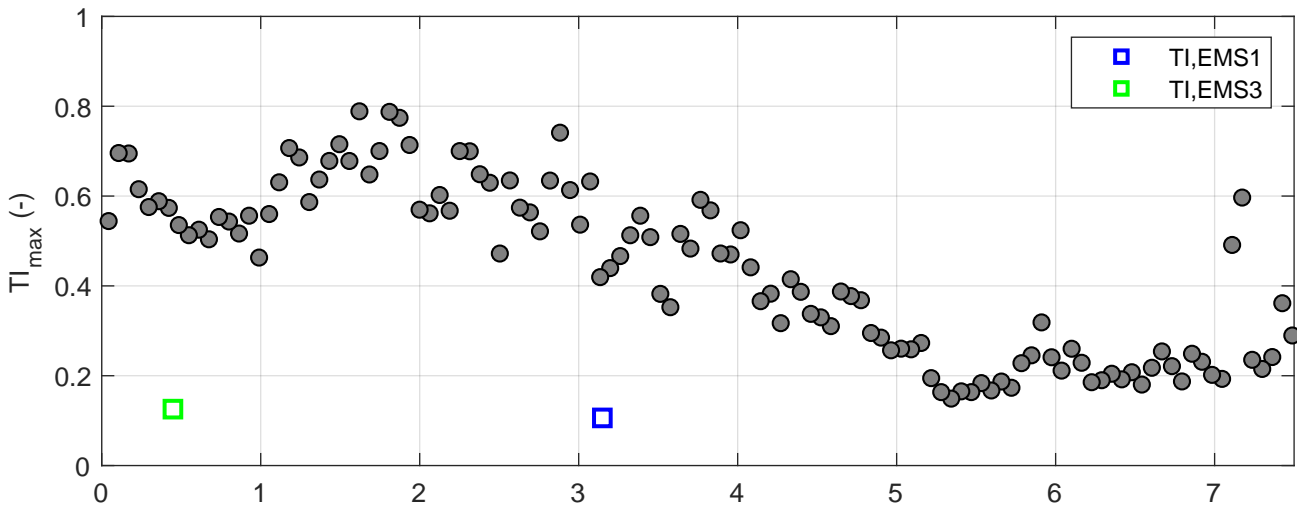
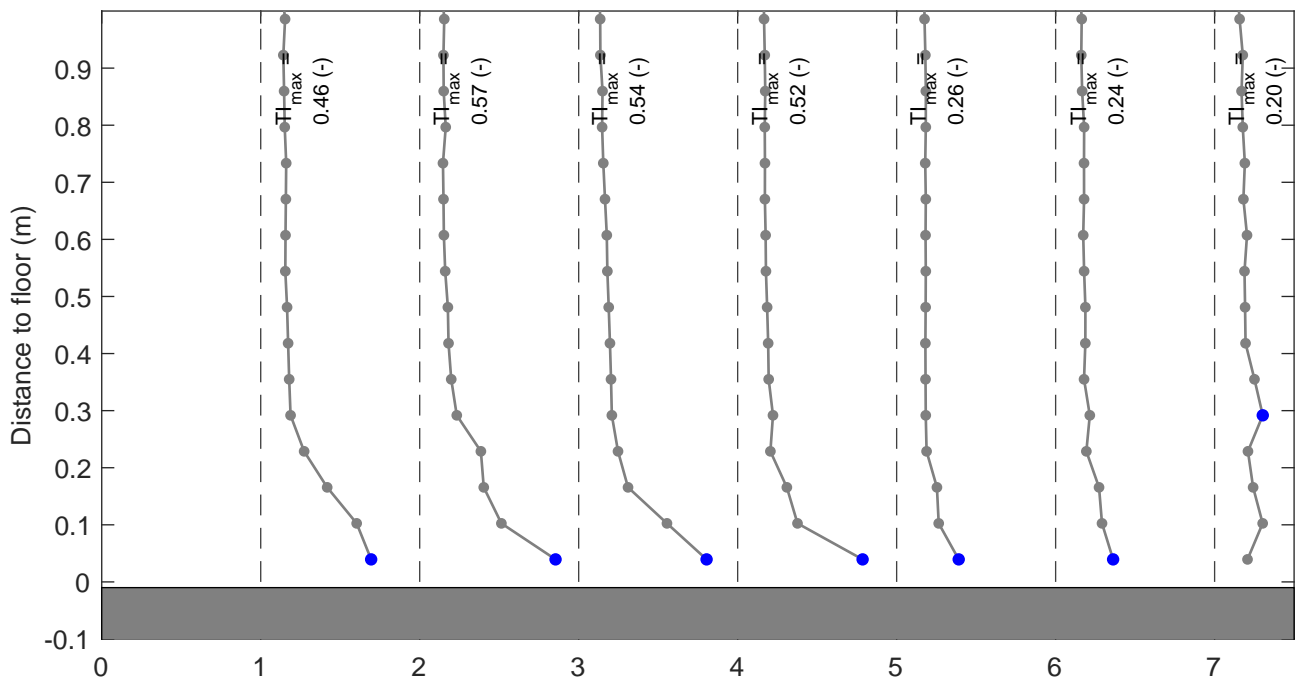
TKI-SOP

PIVSOP235

Deltares

11206641

Fig. J



Turbulence intensity profiles | Active thruster: BT1&BT2
 Maximum TI near bed and location in the vertical
 $\Delta x = 0.8 \text{ m}$, $\Delta y = 3.5 \text{ m}$, $UKC = 2.5 \text{ m}$, $U_{BT2} = 4.6 \text{ m/s}$

PIV, FOV1

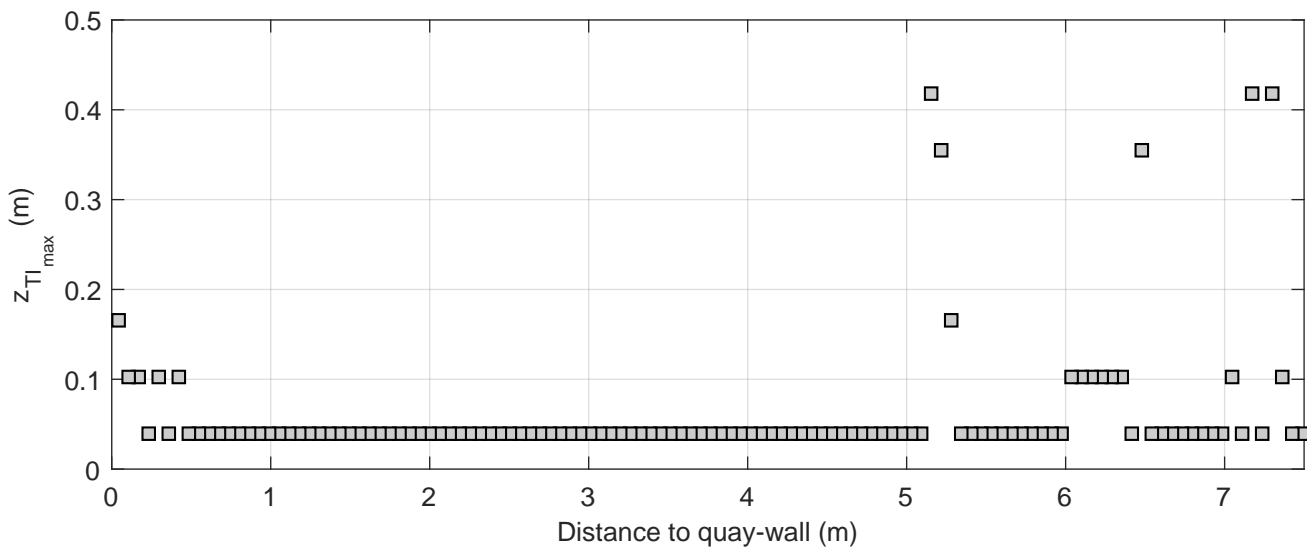
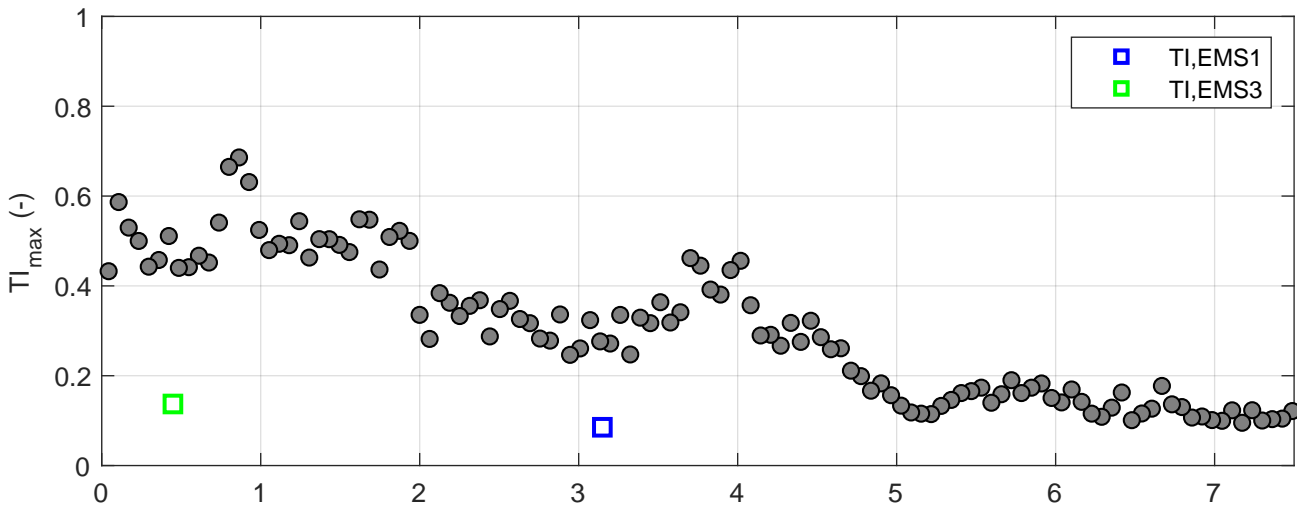
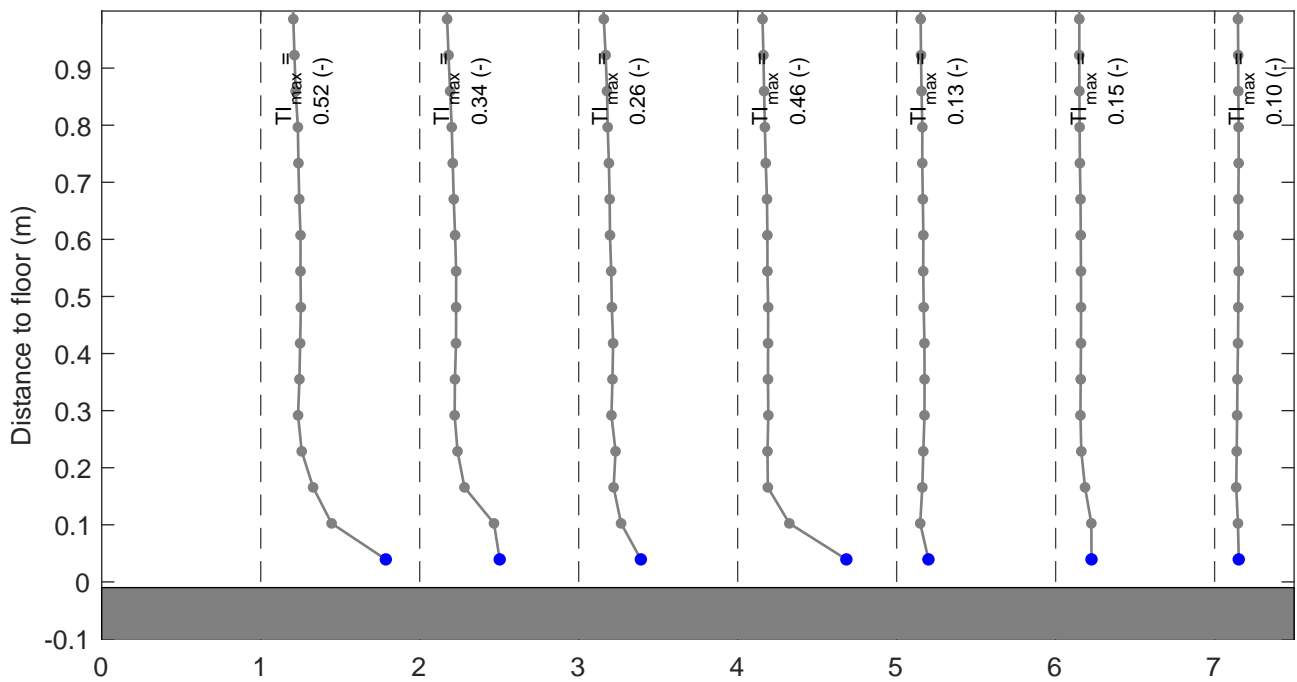
TKI-SOP

PIVSOP238

Deltares

11206641

Fig. J



Turbulence intensity profiles | Active thruster: BT1&BT2
 Maximum TI near bed and location in the vertical
 $\Delta x = 0.8 \text{ m}$, $\Delta y = 0.0 \text{ m}$, $UKC = 2.5 \text{ m}$, $U_{BT2} = 4.6 \text{ m/s}$

PIV, FOV1

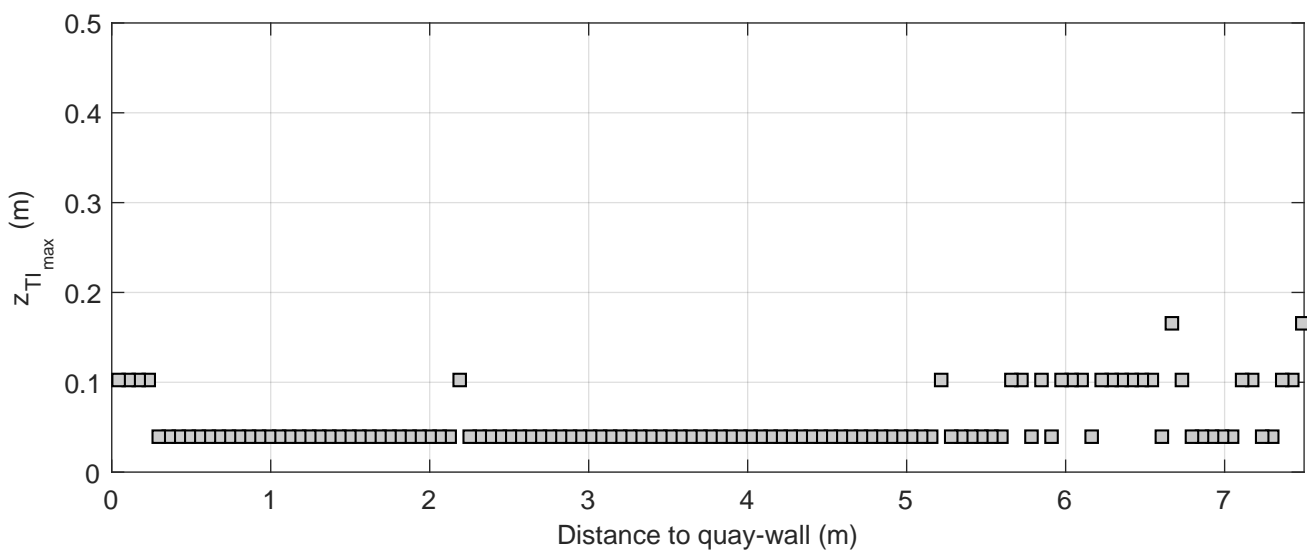
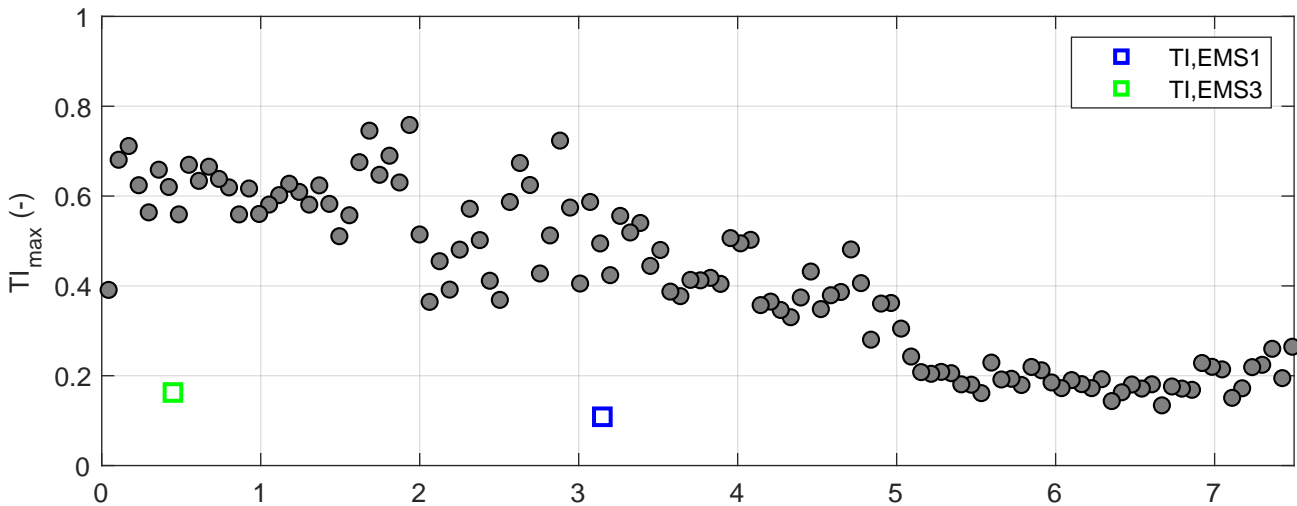
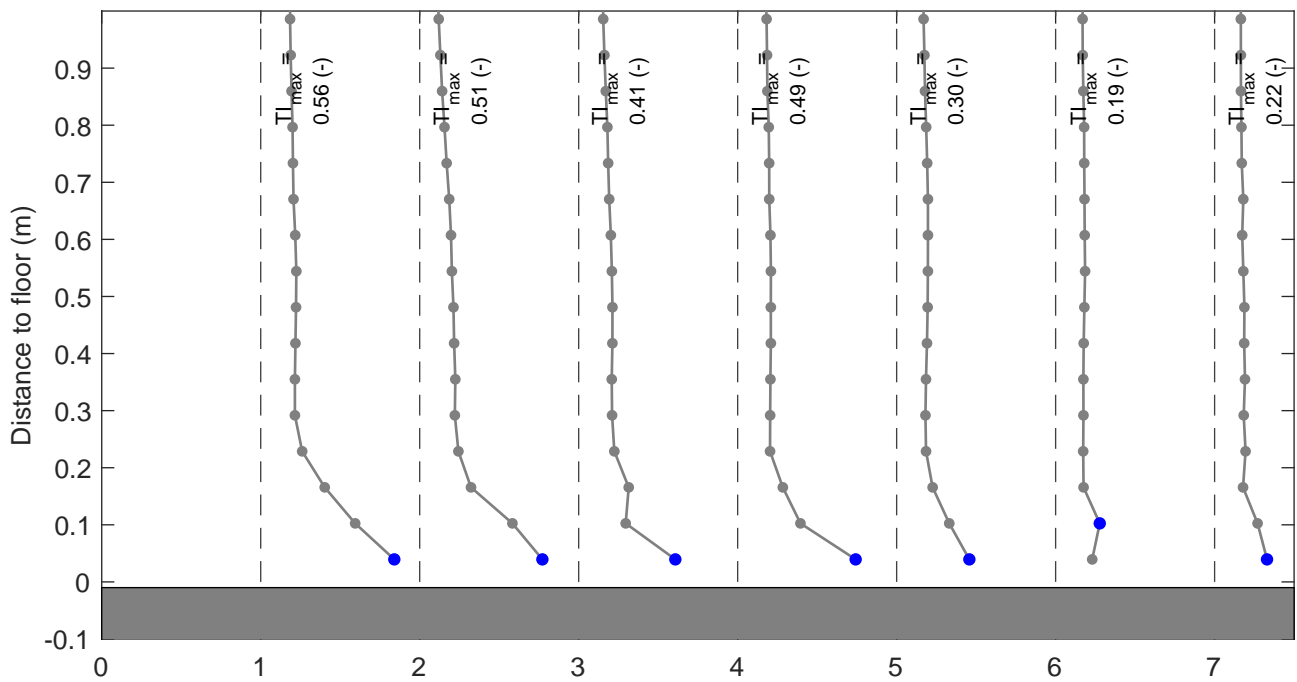
TKI-SOP

PIVSOP242

Deltares

11206641

Fig. J



Turbulence intensity profiles | Active thruster: BT1&BT2
 Maximum TI near bed and location in the vertical
 $\Delta x = 0.8 \text{ m}$, $\Delta y = 2.0 \text{ m}$, $UKC = 2.5 \text{ m}$, $U_{BT2} = 4.5 \text{ m/s}$

PIV, FOV1

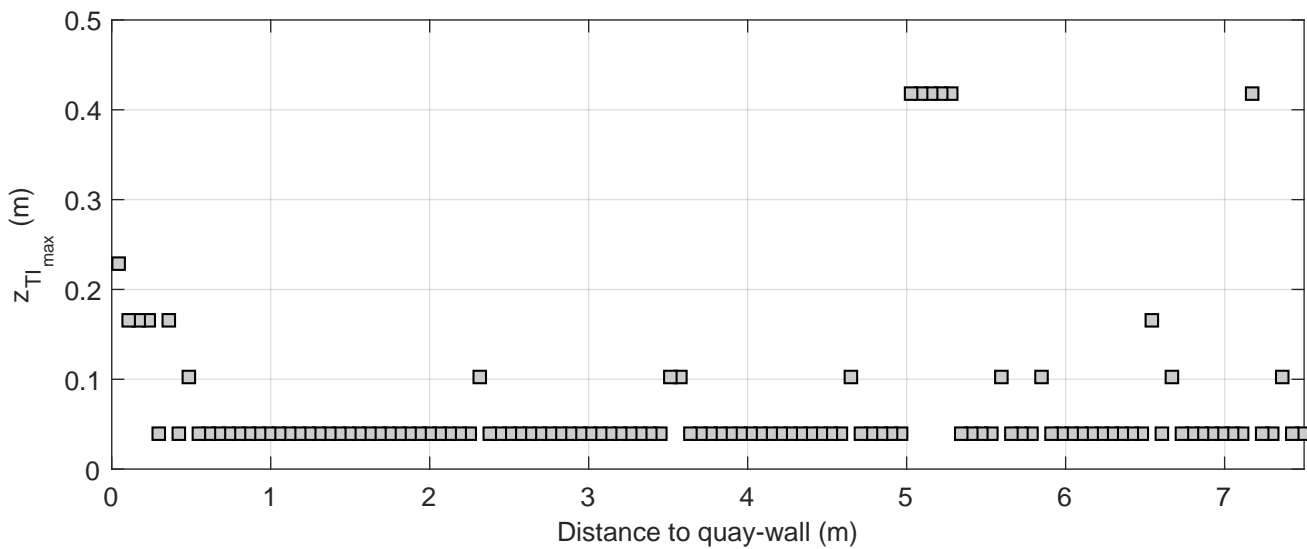
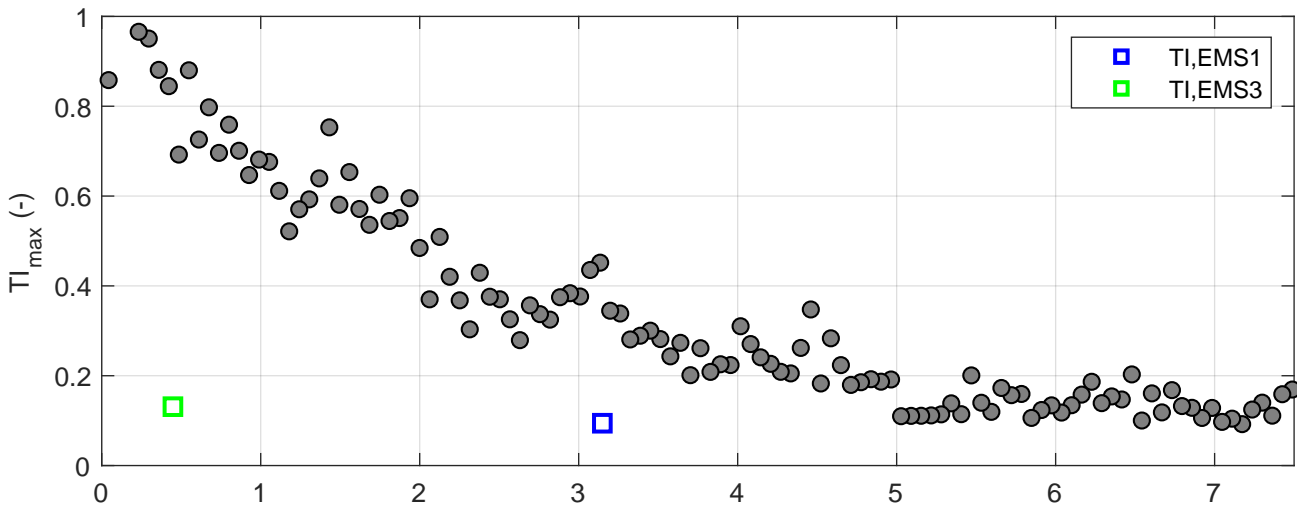
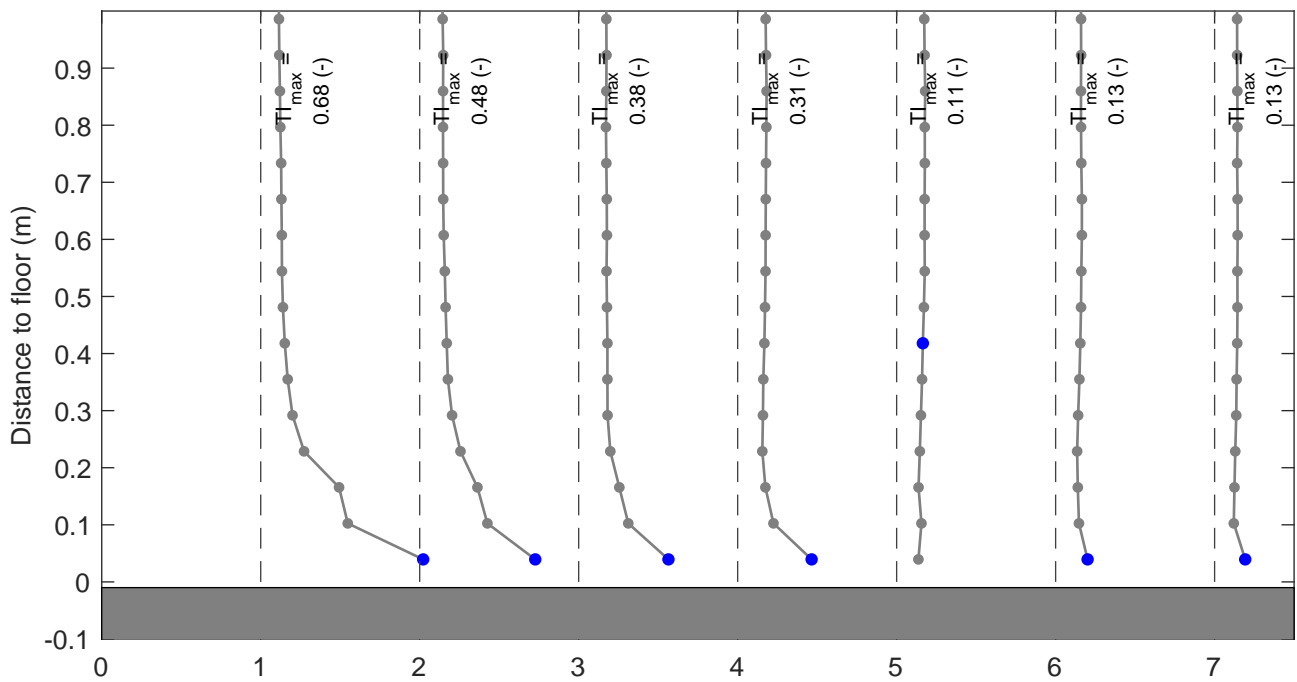
TKI-SOP

PIVSOP244

Deltares

11206641

Fig. J



Turbulence intensity profiles | Active thruster: BT1&BT2
 Maximum TI near bed and location in the vertical
 $\Delta x = 0.8 \text{ m}$, $\Delta y = -2.0 \text{ m}$, $U_{KC} = 2.5 \text{ m/s}$, $U_{BT2} = 4.5 \text{ m/s}$

PIV, FOV1

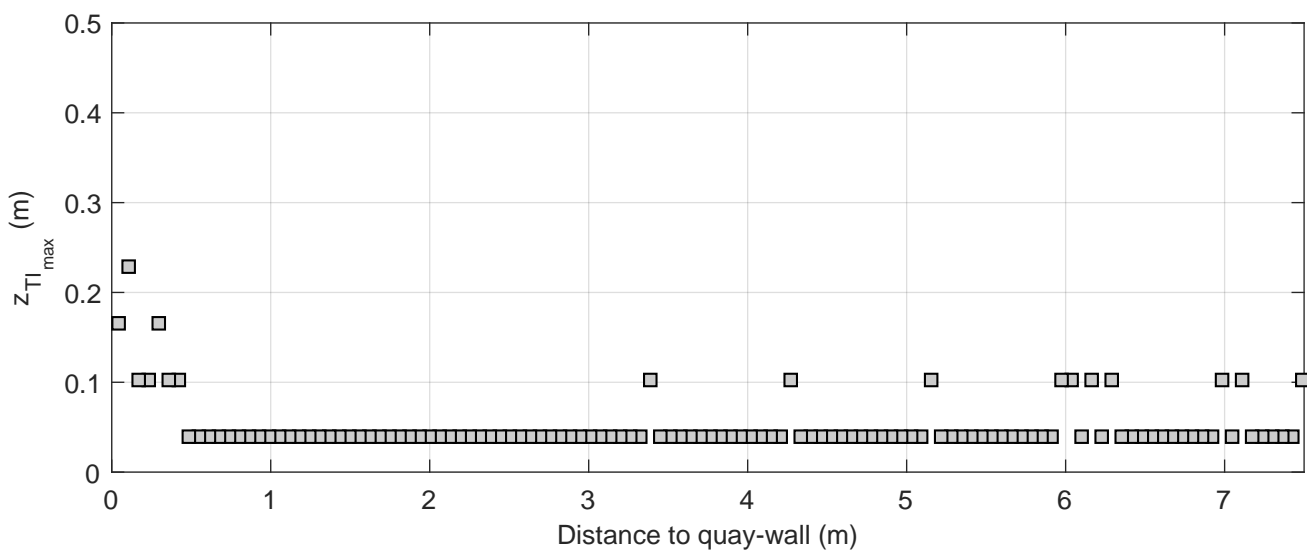
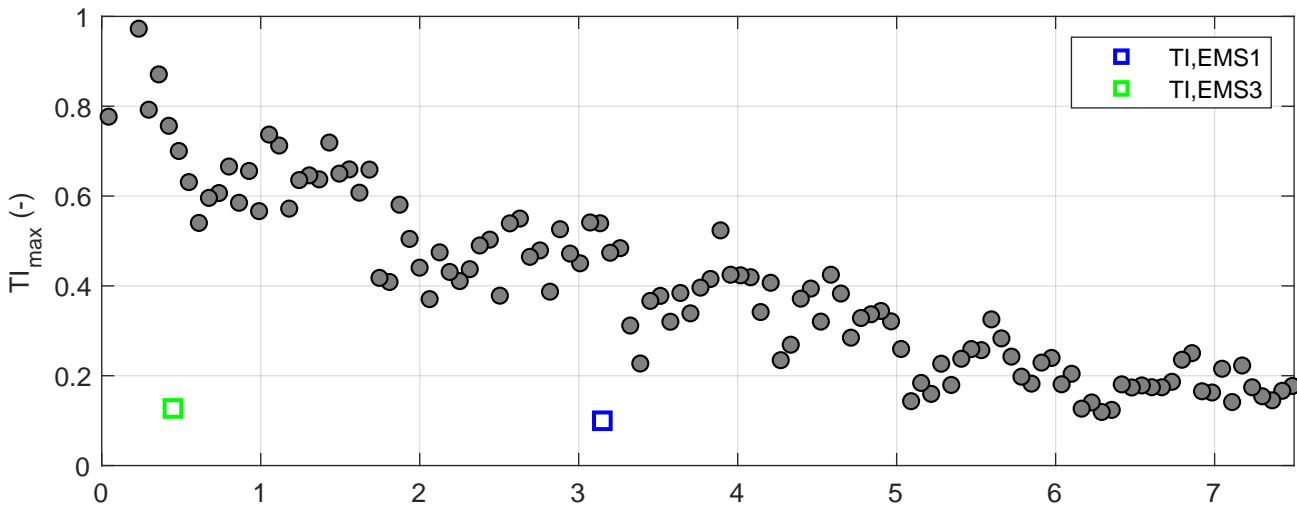
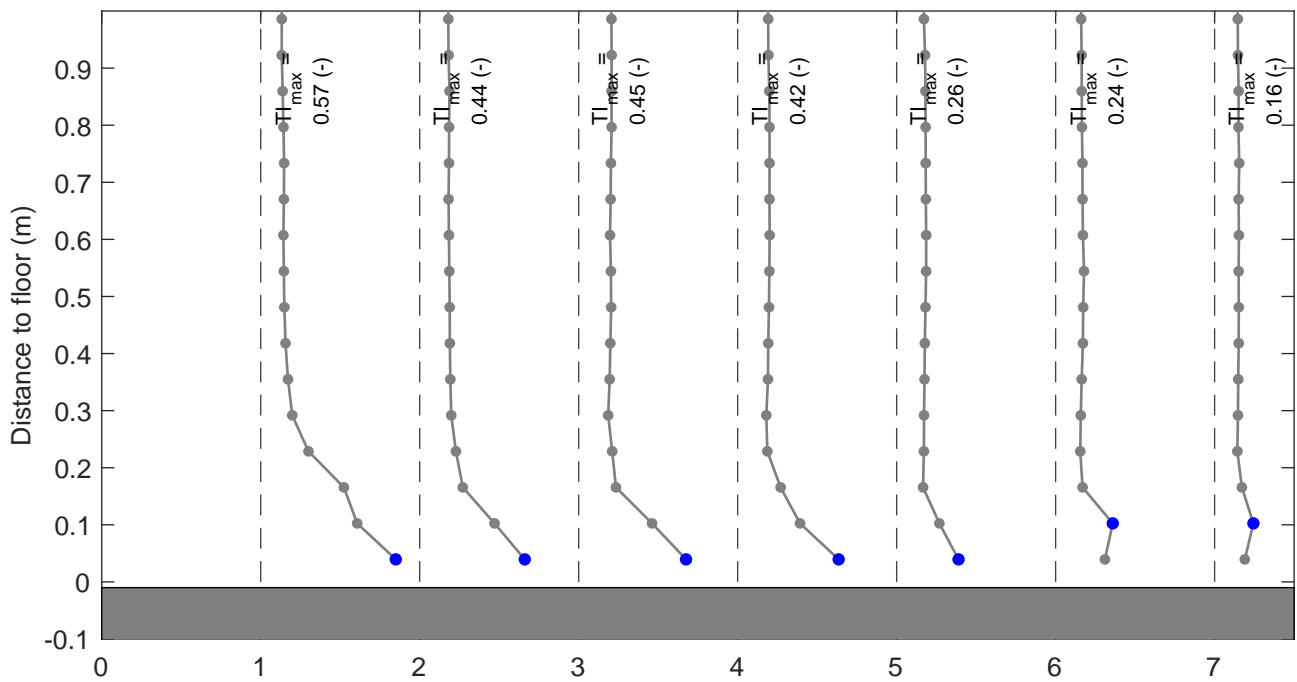
TKI-SOP

PIVSOP247

Deltares

11206641

Fig. J



Turbulence intensity profiles | Active thruster: BT1&BT2
 Maximum TI near bed and location in the vertical
 $\Delta x = 0.8 \text{ m}$, $\Delta y = -2.0 \text{ m}$, $UKC = 2.5 \text{ m}$, $U_{BT2} = 4.3 \text{ m/s}$

PIV, FOV1

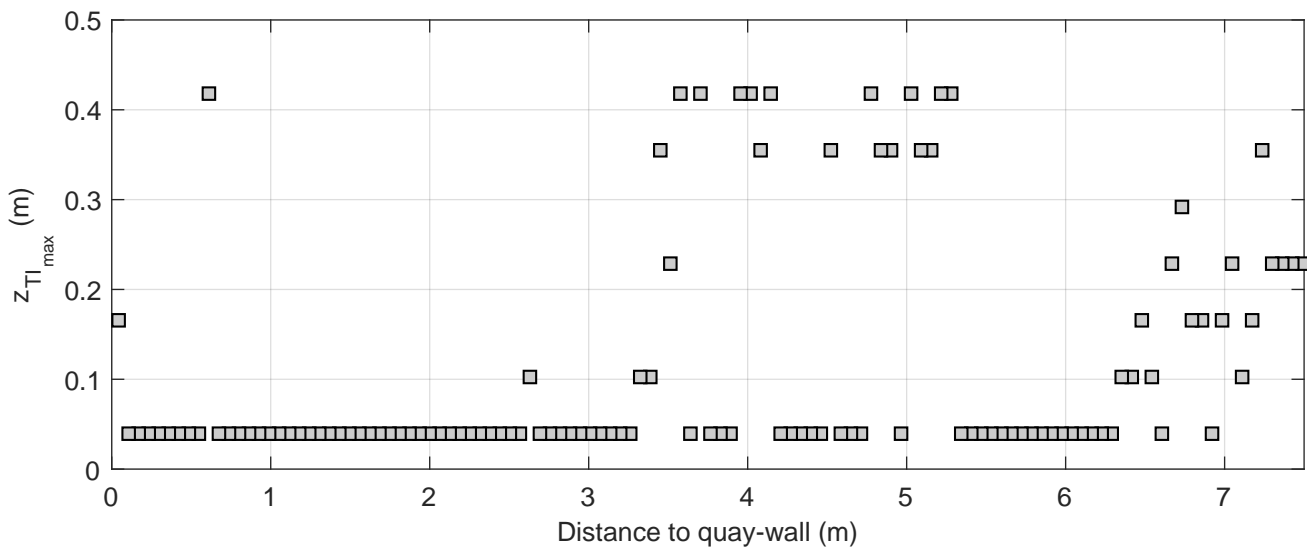
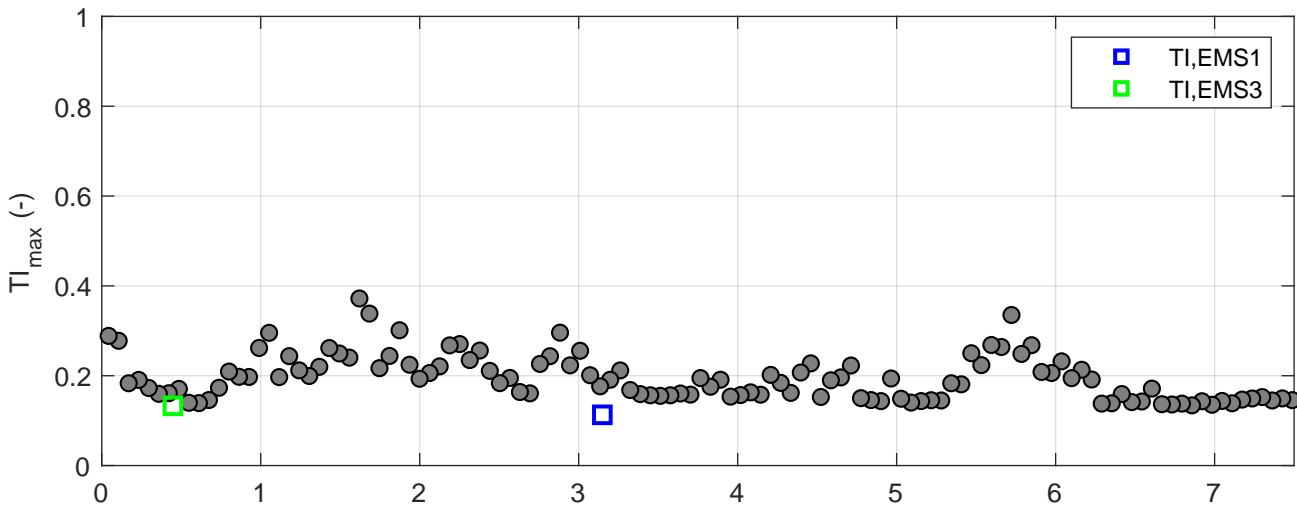
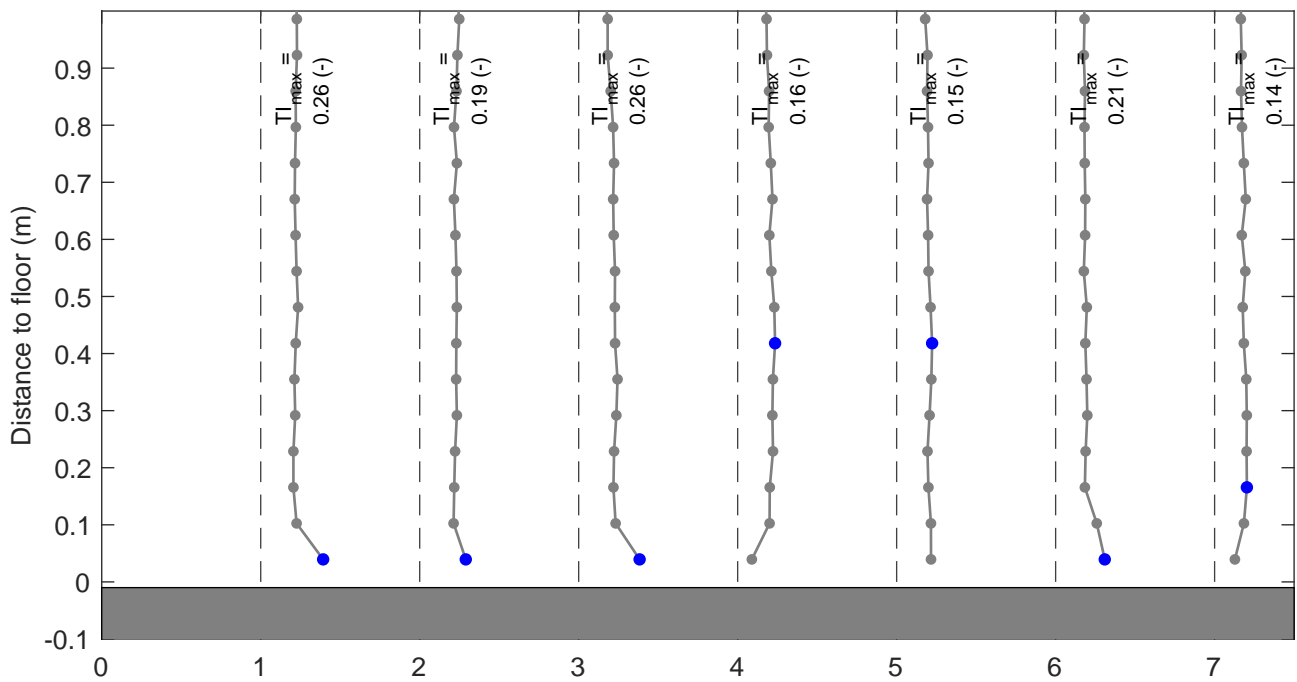
TKI-SOP

PIVSOP252

Deltares

11206641

Fig. J



Turbulence intensity profiles | Active thruster: BT1&BT2
 Maximum TI near bed and location in the vertical
 $\Delta x = 3.0$ m, $\Delta y = 2.0$ m, UKC = 2.5 m, $U_{BT2} = 4.3$ m/s

PIV, FOV1

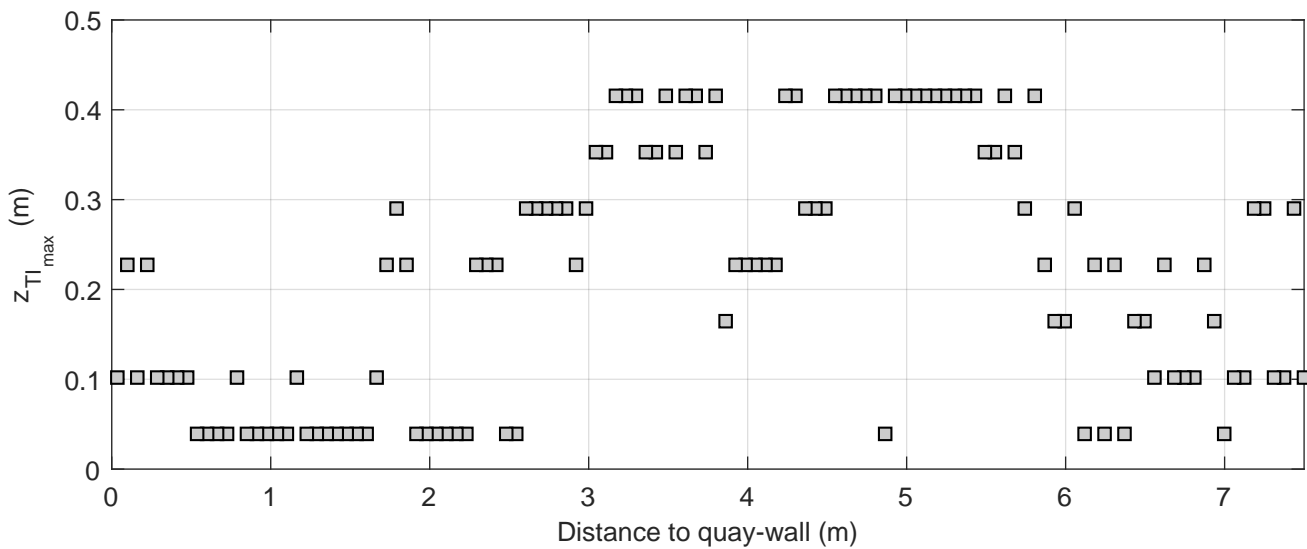
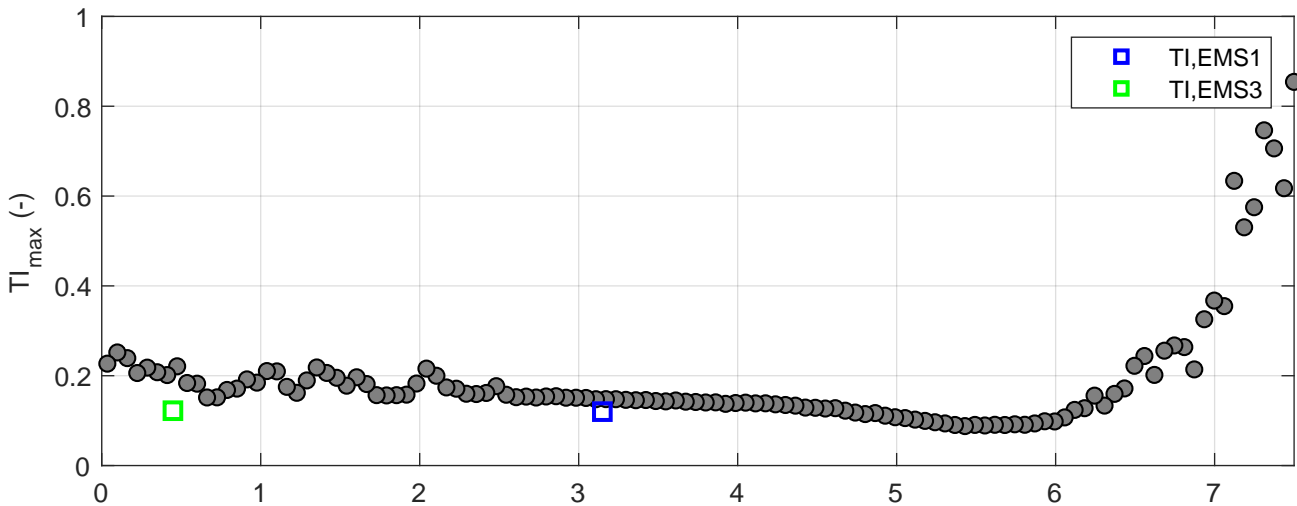
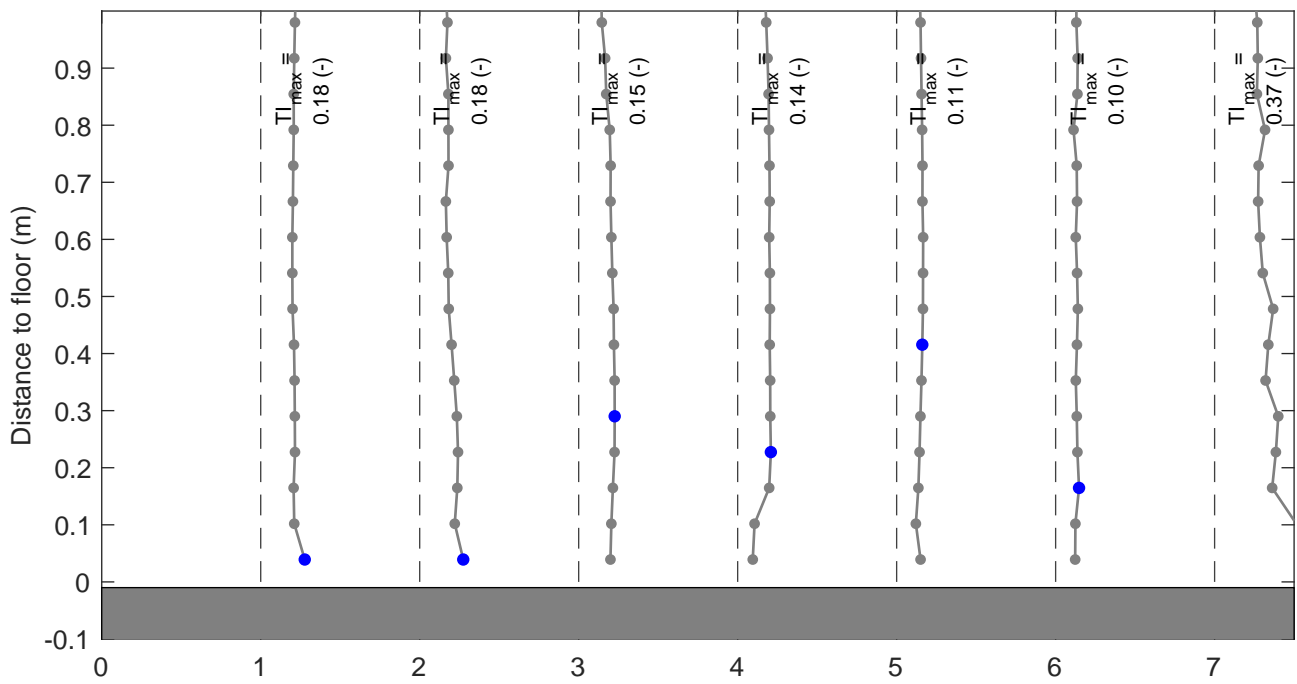
TKI-SOP

PIVSOP254

Deltares

11206641

Fig. J



Turbulence intensity profiles | Active thruster: BT1&BT2
 Maximum TI near bed and location in the vertical
 $\Delta x = 0.8 \text{ m}$, $\Delta y = 2.0 \text{ m}$, $UKC = 1.5 \text{ m}$, $U_{BT2} = 4.4 \text{ m/s}$

PIV, FOV1

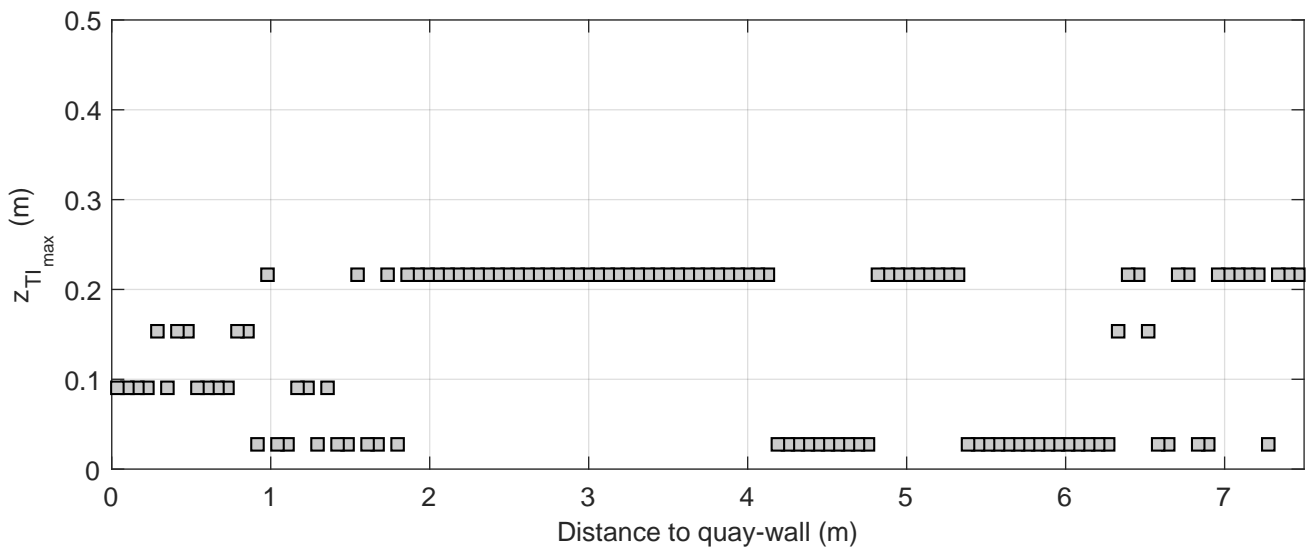
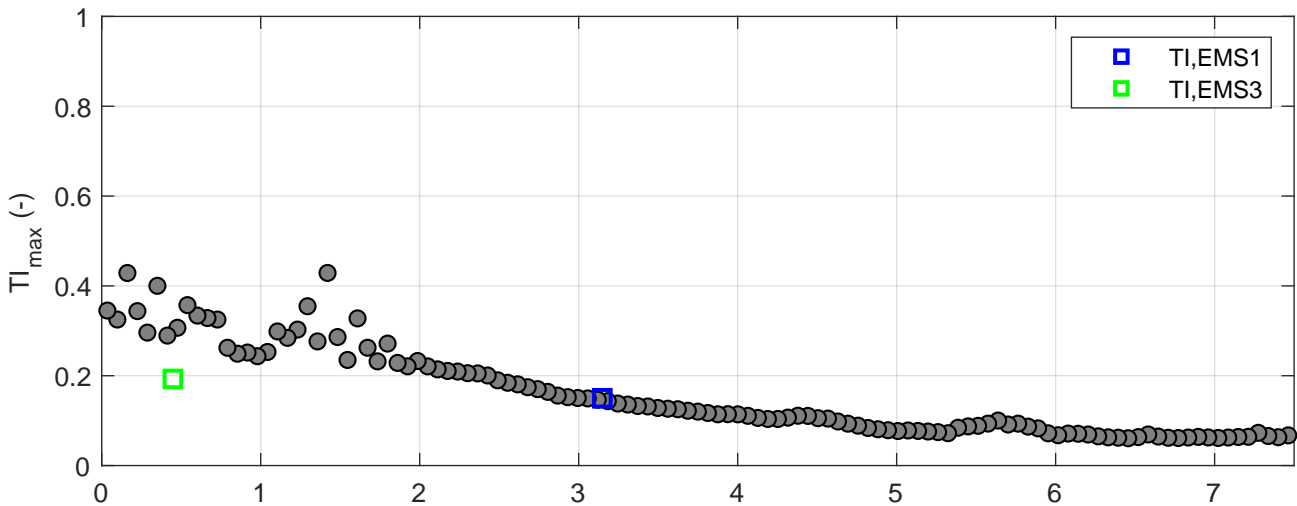
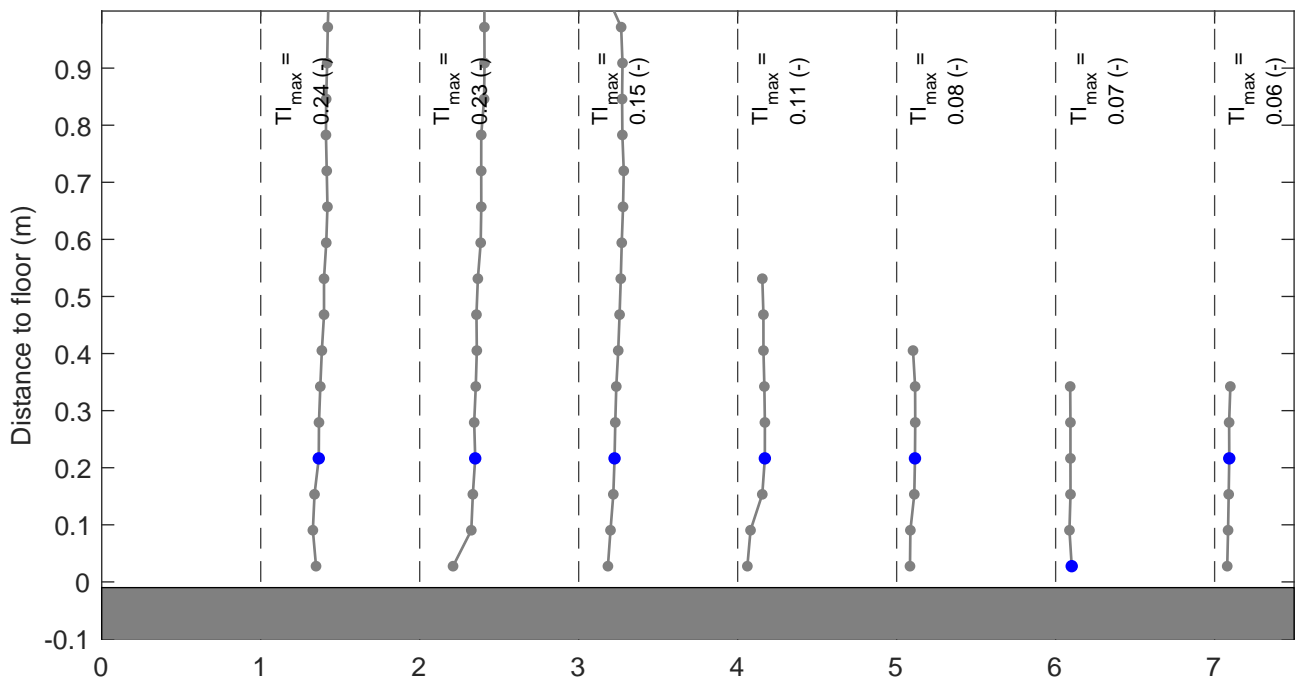
TKI-SOP

PIVSOP263

Deltares

11206641

Fig. J



Turbulence intensity profiles | Active thruster: BT1&BT2
 Maximum TI near bed and location in the vertical
 $\Delta x = 0.8 \text{ m}$, $\Delta y = 2.0 \text{ m}$, $UKC = 0.4 \text{ m}$, $U_{BT2} = 2.4 \text{ m/s}$

PIV, FOV1

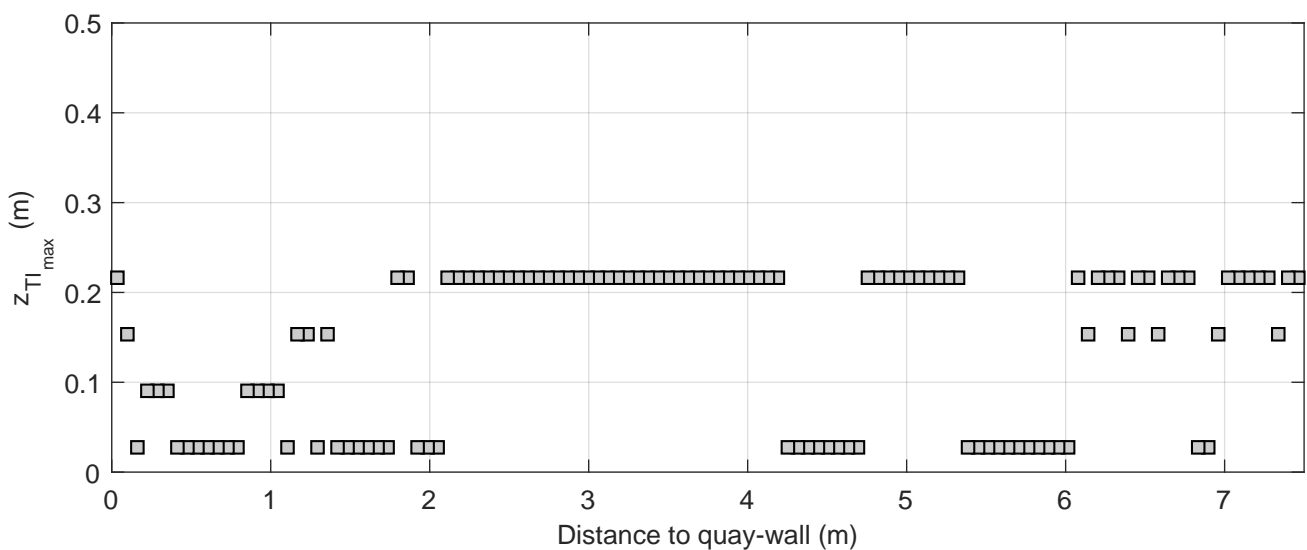
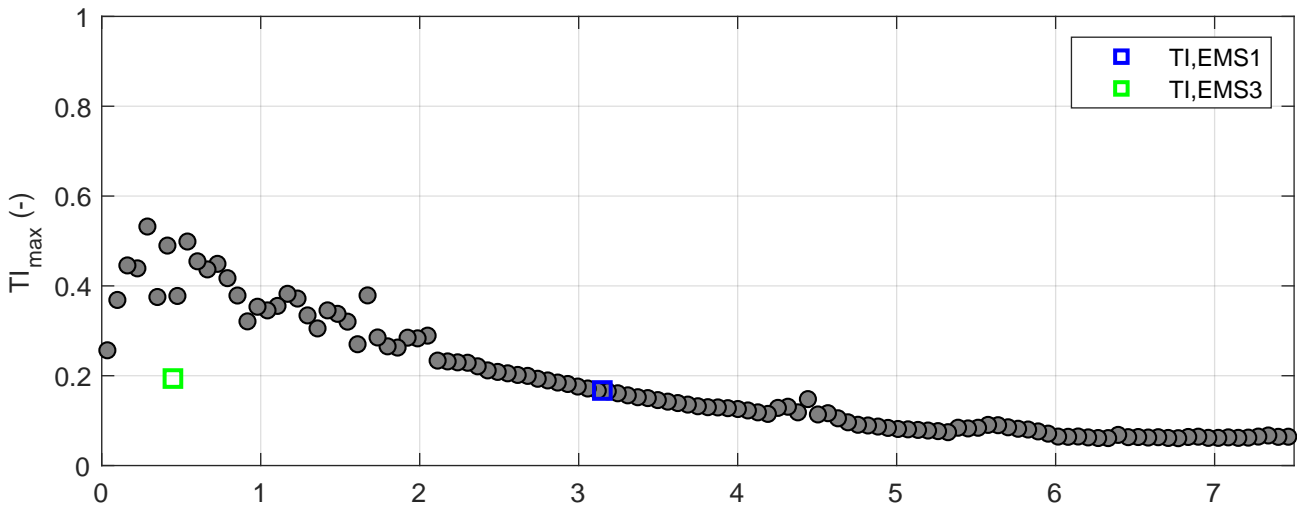
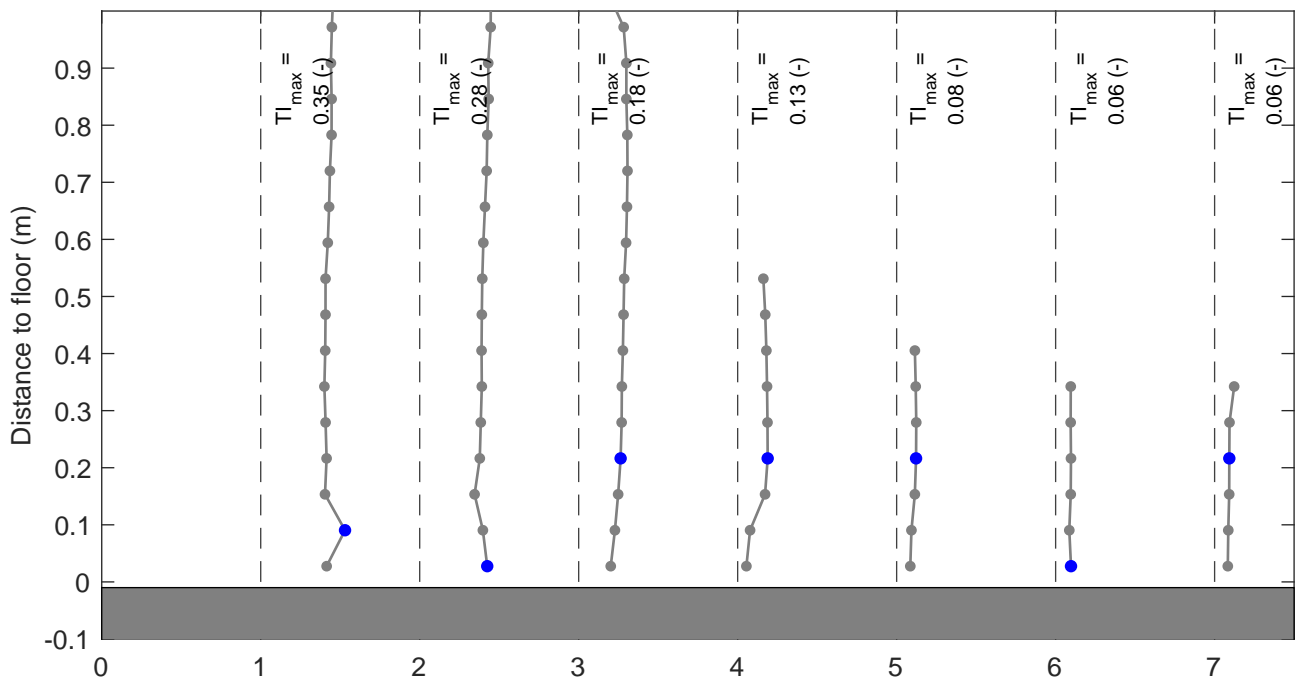
TKI-SOP

PIVSOP267

Deltares

11206641

Fig. J



Turbulence intensity profiles | Active thruster: BT1&BT2
 Maximum TI near bed and location in the vertical
 $\Delta x = 0.8 \text{ m}$, $\Delta y = 2.0 \text{ m}$, $UKC = 0.4 \text{ m}$, $U_{BT2} = 4.1 \text{ m/s}$

PIV, FOV1

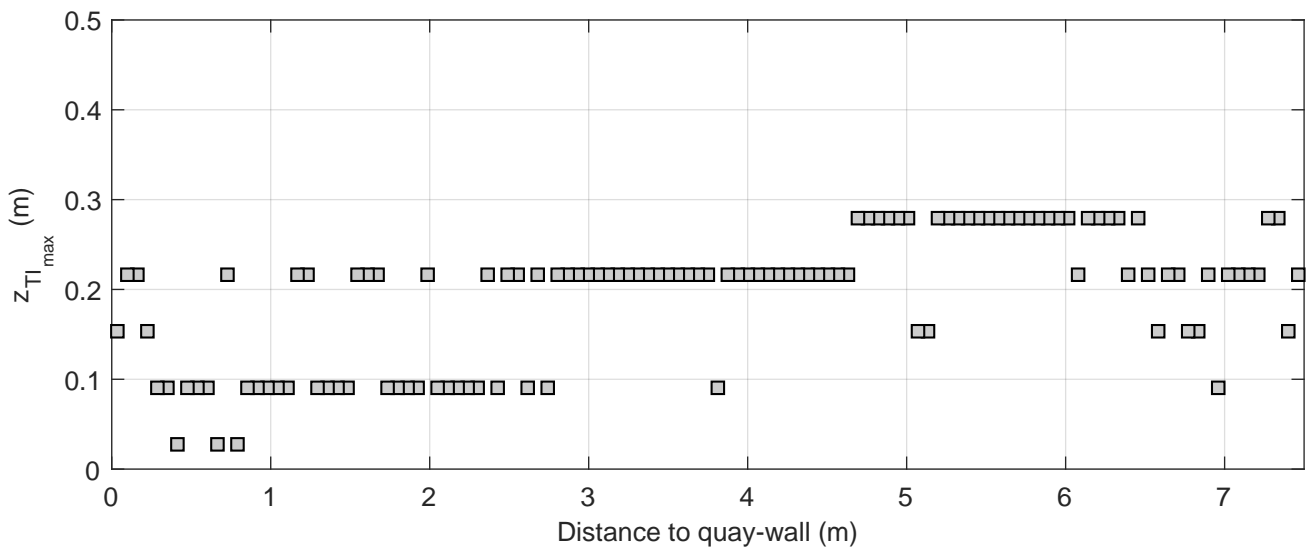
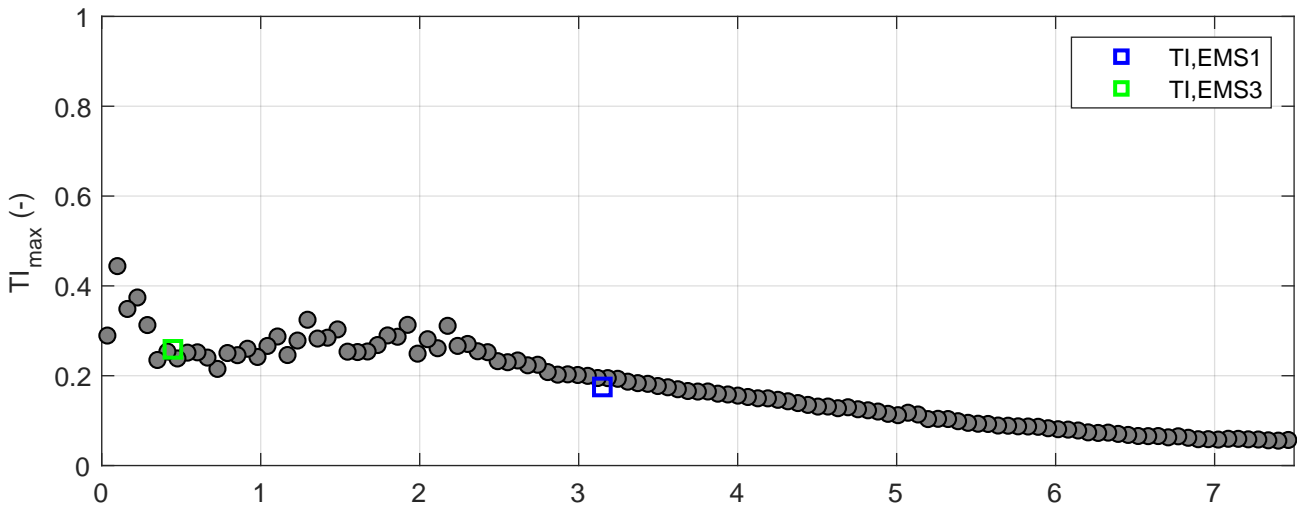
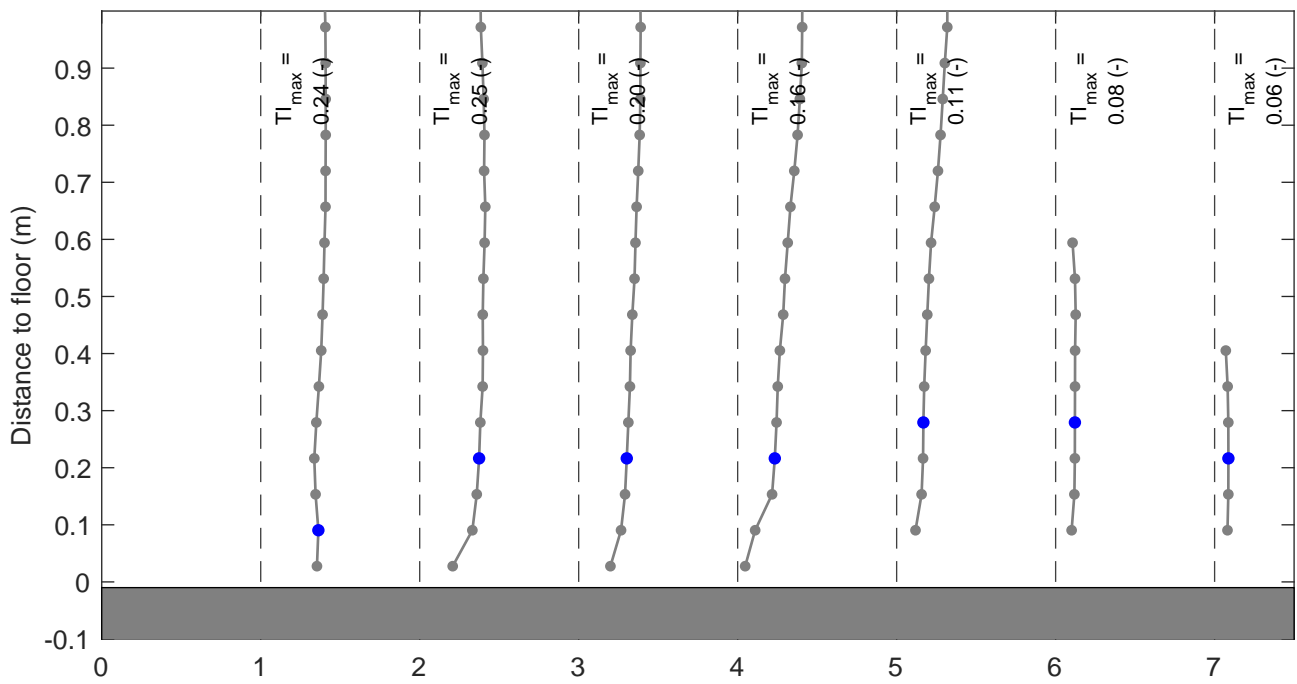
TKI-SOP

PIVSOP269

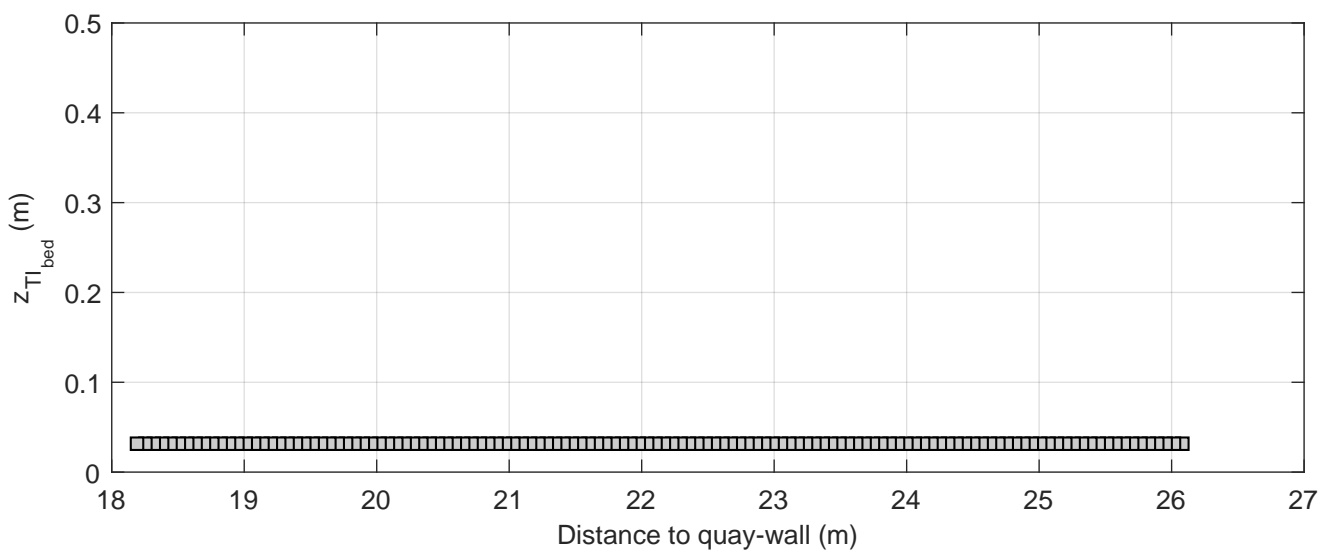
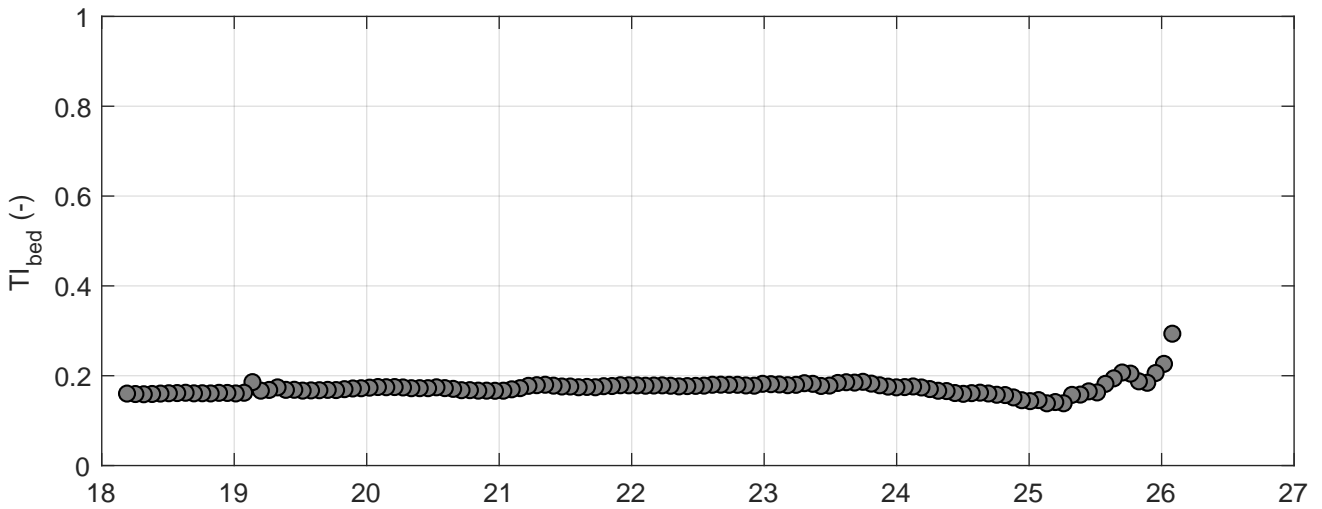
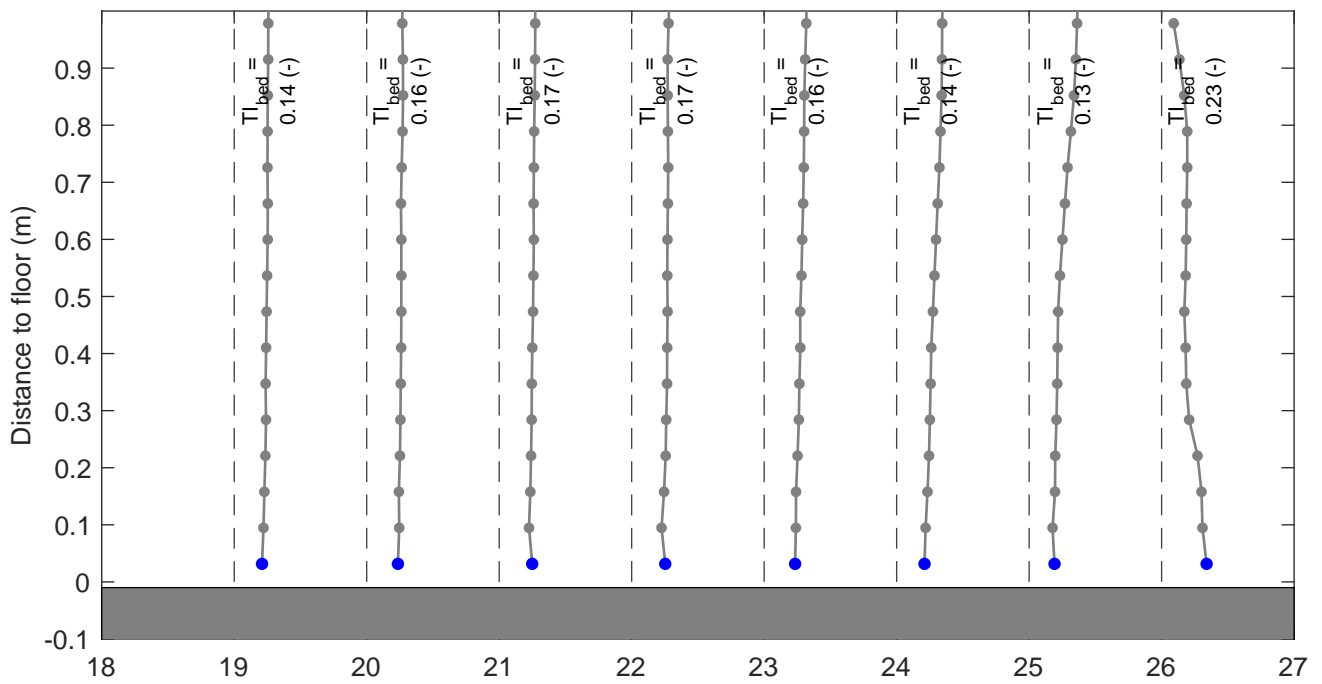
Deltares

11206641

Fig. J



Turbulence intensity profiles Active thruster: BT1&BT2 Maximum TI near bed and location in the vertical $\Delta x = 3.0 \text{ m}$, $\Delta y = 2.0 \text{ m}$, $UKC = 0.4 \text{ m}$, $U_{BT2} = 4.4 \text{ m/s}$	PIV, FOV1	TKI-SOP
	PIVSOP272	
Deltares	11206641	Fig. J



Turbulence intensity profiles | Active thruster: BT1&BT2
 Maximum TI near bed and location in the vertical
 $\Delta x = 23.1$ m, $\Delta y = 2.0$ m, UKC = 0.4 m, $U_{BT2} = 4.5$ m/s

PIV, FOV3

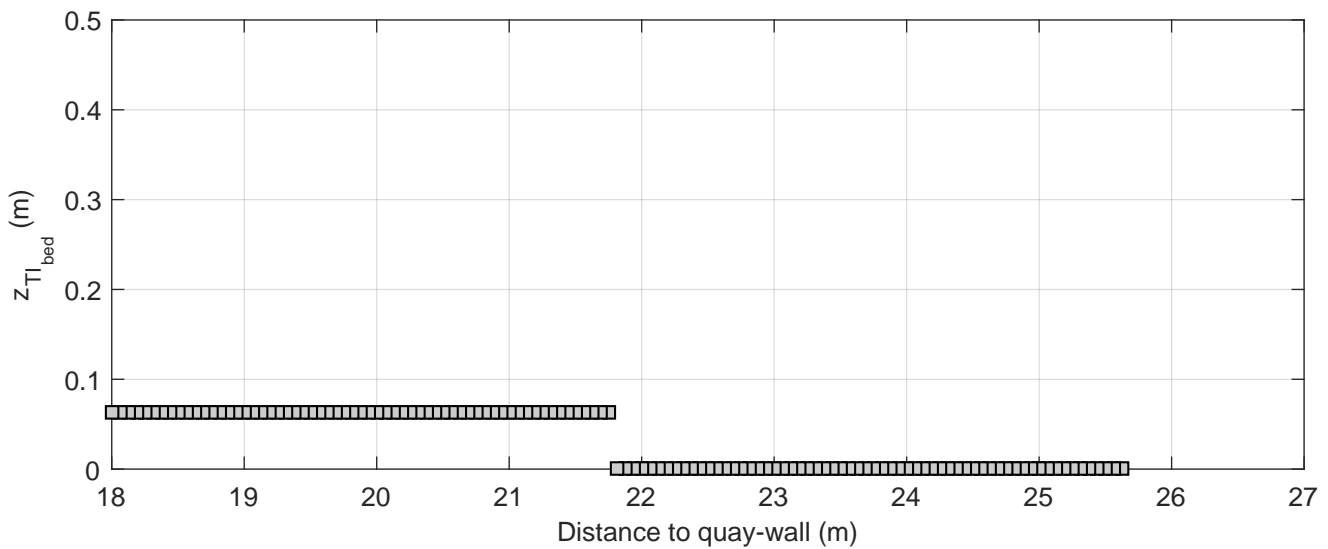
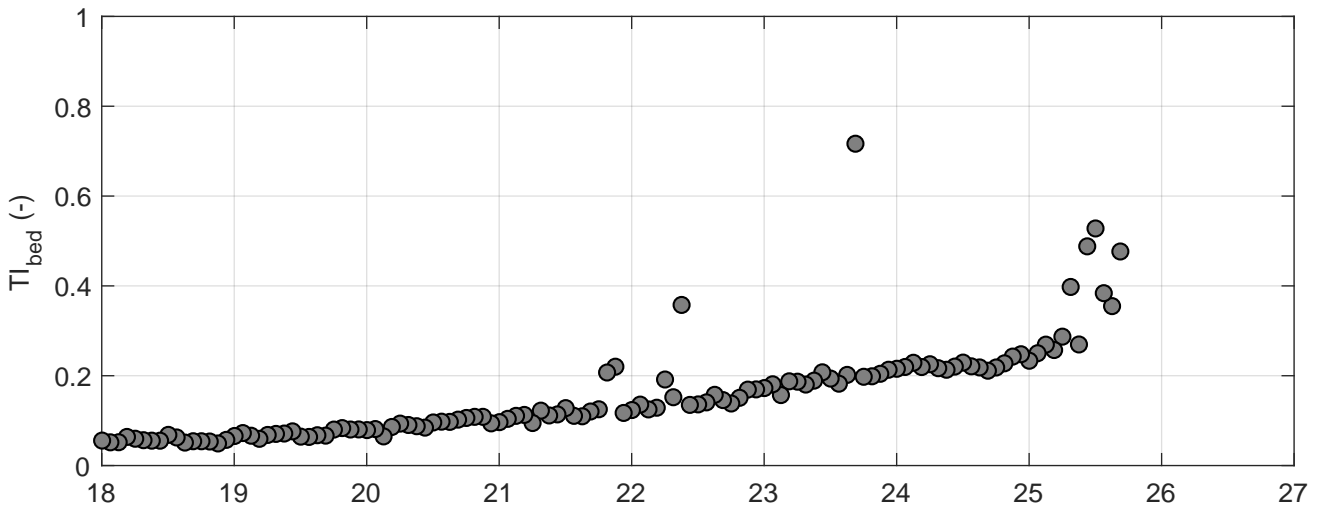
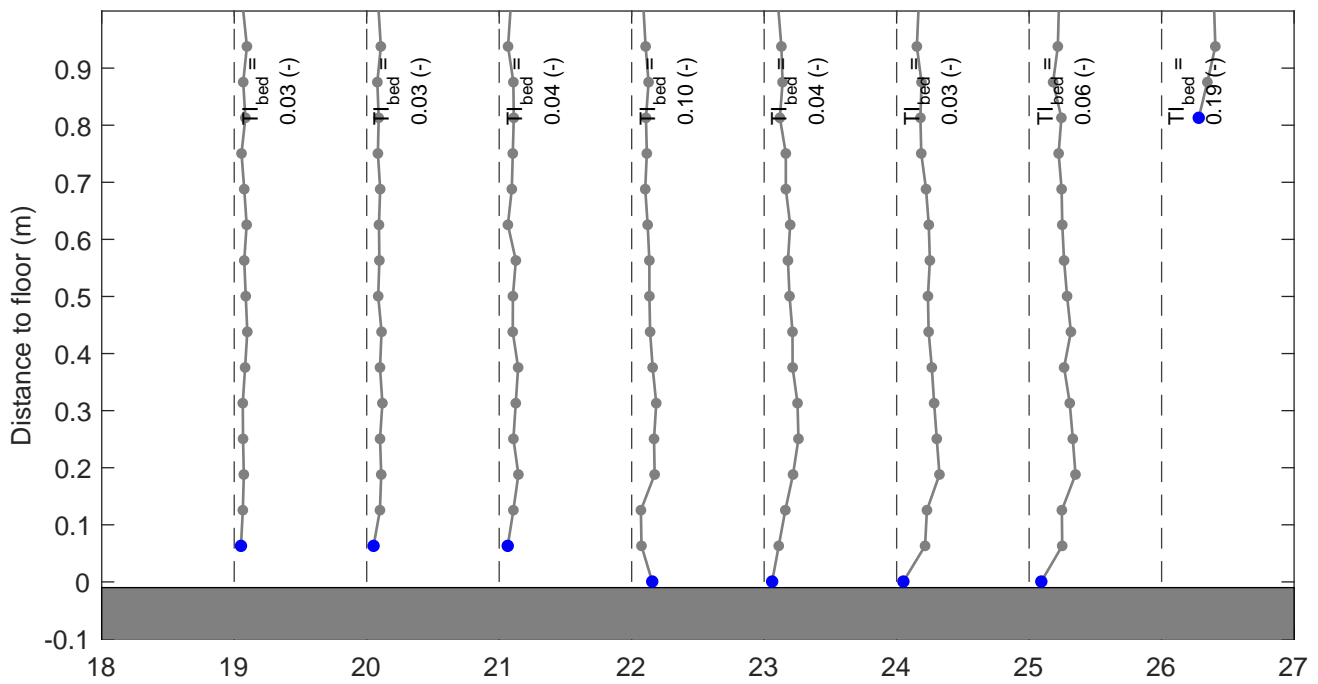
TKI-SOP

PIVSOP275

Deltares

11206641

Fig. J



Turbulence intensity profiles | Active thruster: BT1&BT2
 Maximum TI near bed and location in the vertical
 $\Delta x = 23.1$ m, $\Delta y = 2.0$ m, UKC = 2.5 m, $U_{BT2} = 4.8$ m/s

PIV, FOV3

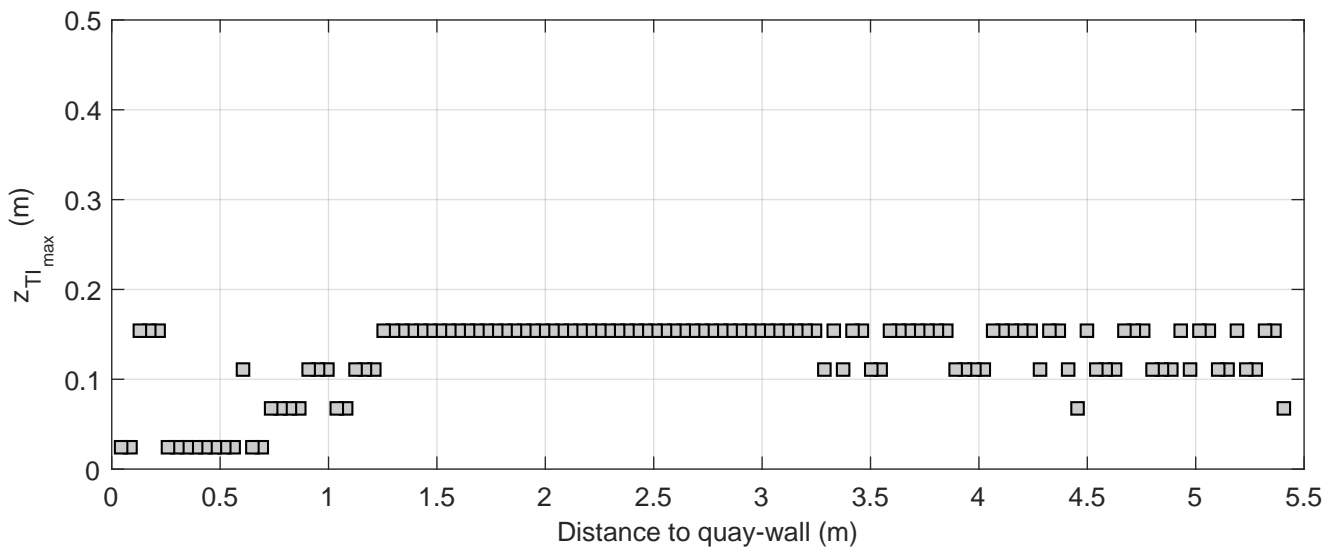
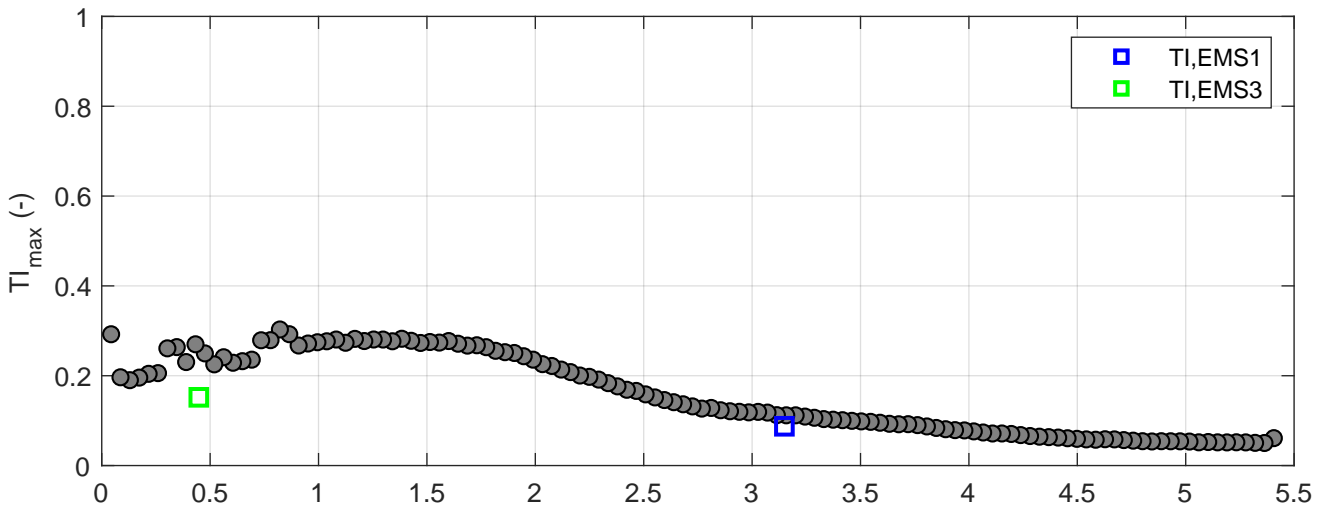
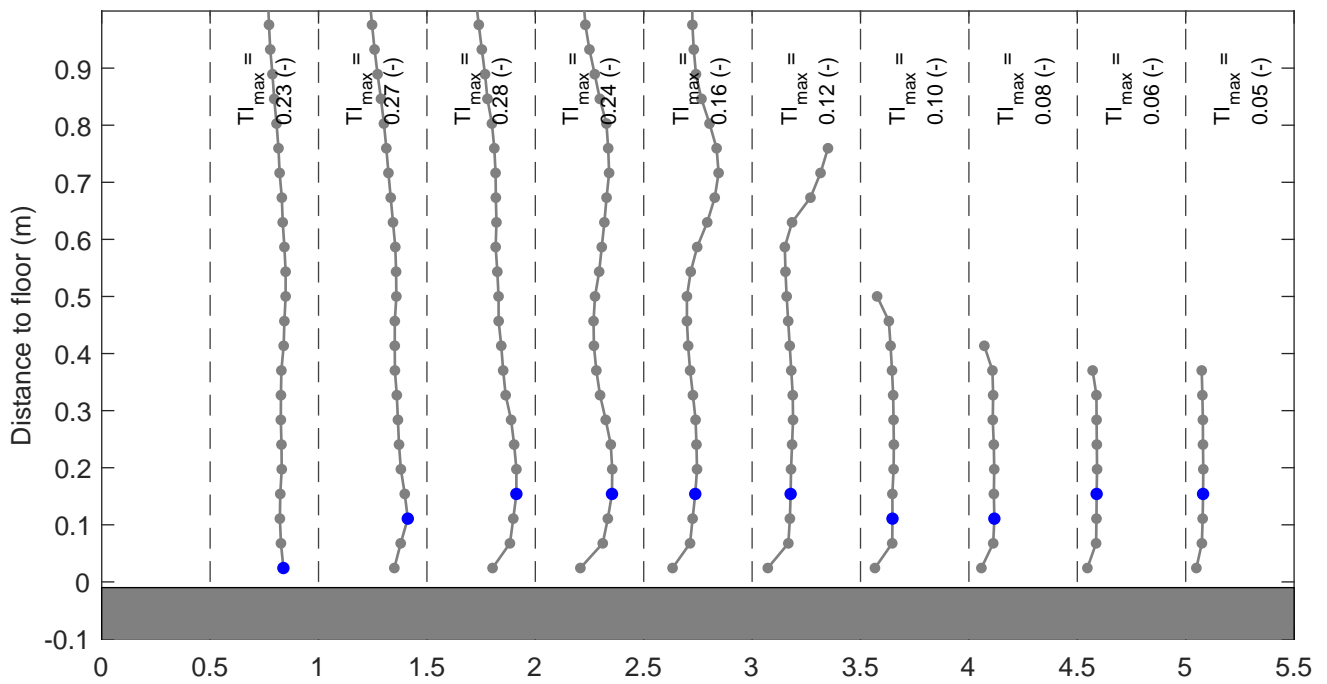
TKI-SOP

PIVSOP278

Deltares

11206641

Fig. J



Turbulence intensity profiles | Active thruster: BT2
 Maximum TI near bed and location in the vertical
 $\Delta x = 0.8 \text{ m}$, $\Delta y = 0.0 \text{ m}$, $UKC = 0.4 \text{ m}$, $U_{BT2} = 4.6 \text{ m/s}$

PIV, FOV1

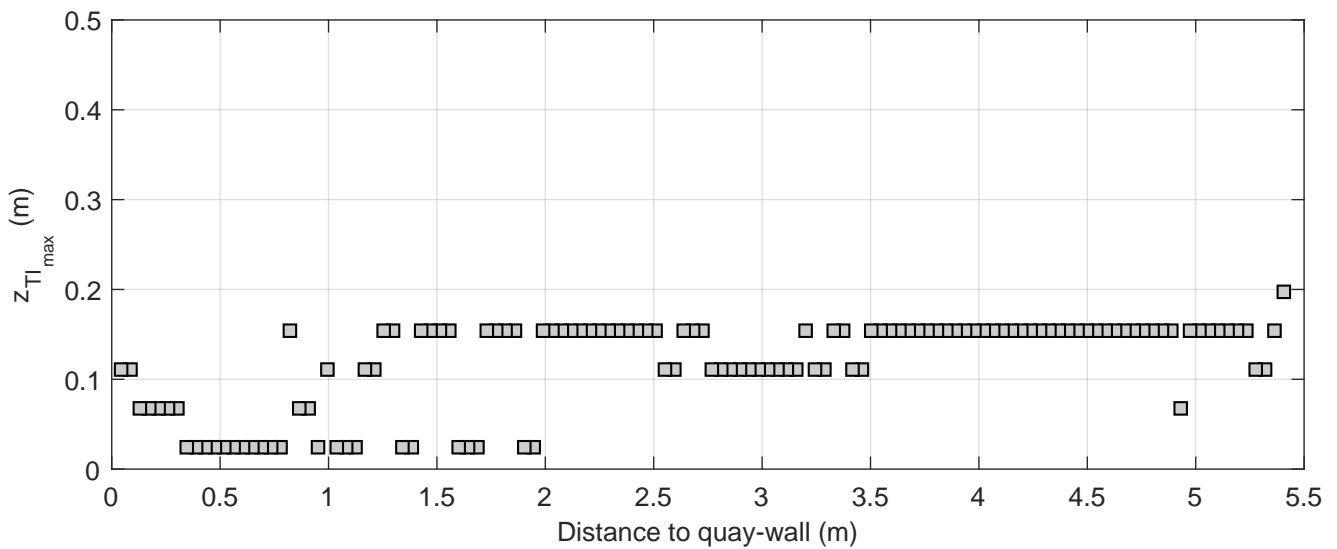
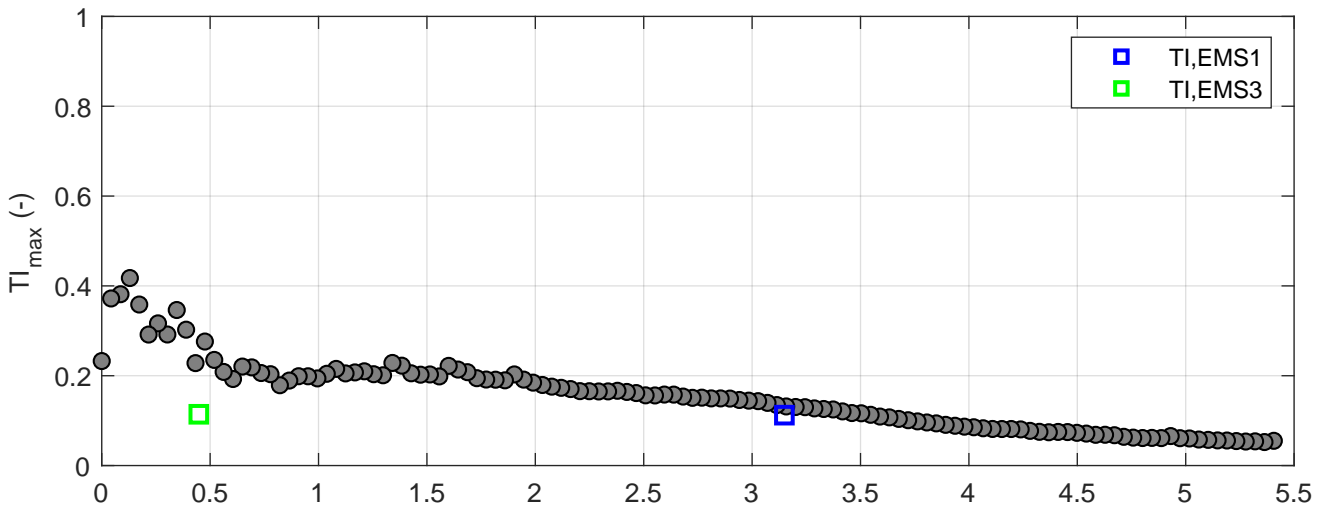
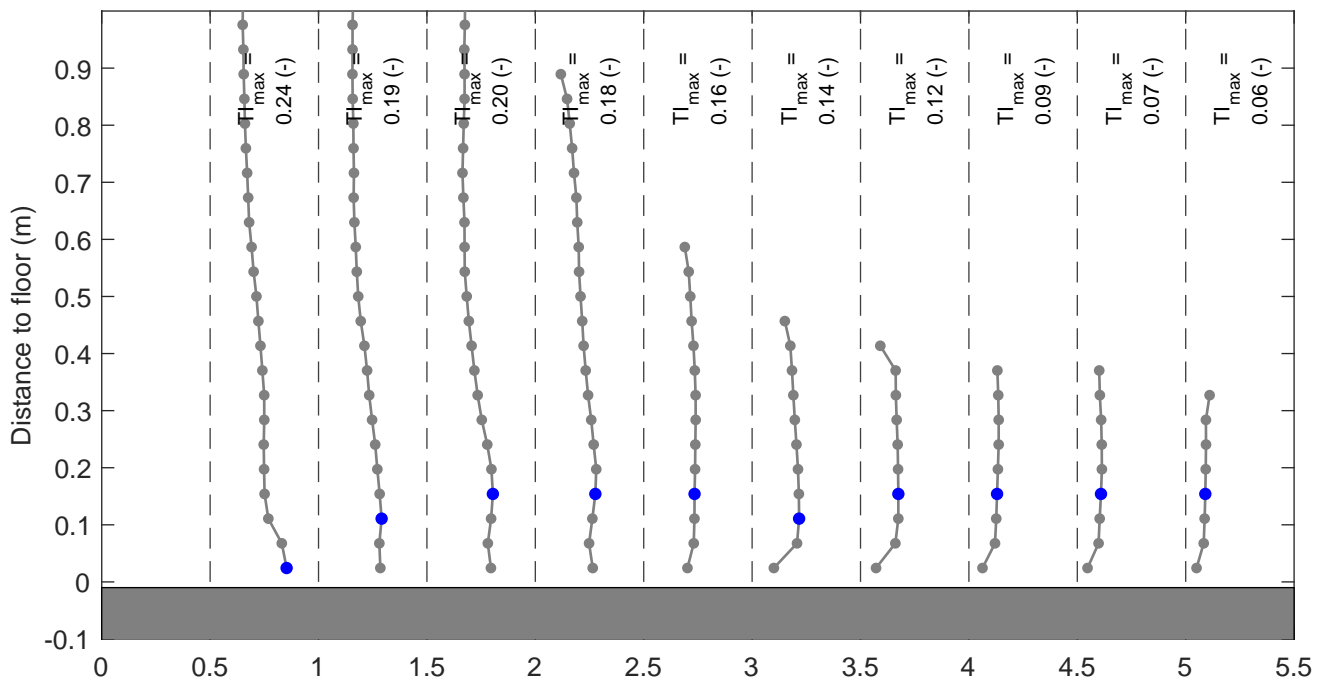
TKI-SOP

PIVSOP291

Deltares

11206641

Fig. J



Turbulence intensity profiles | Active thruster: BT2
 Maximum TI near bed and location in the vertical
 $\Delta x = 0.8 \text{ m}$, $\Delta y = -2.0 \text{ m}$, UKC = 0.4 m, $U_{BT2} = 4.6 \text{ m/s}$

PIV, FOV1

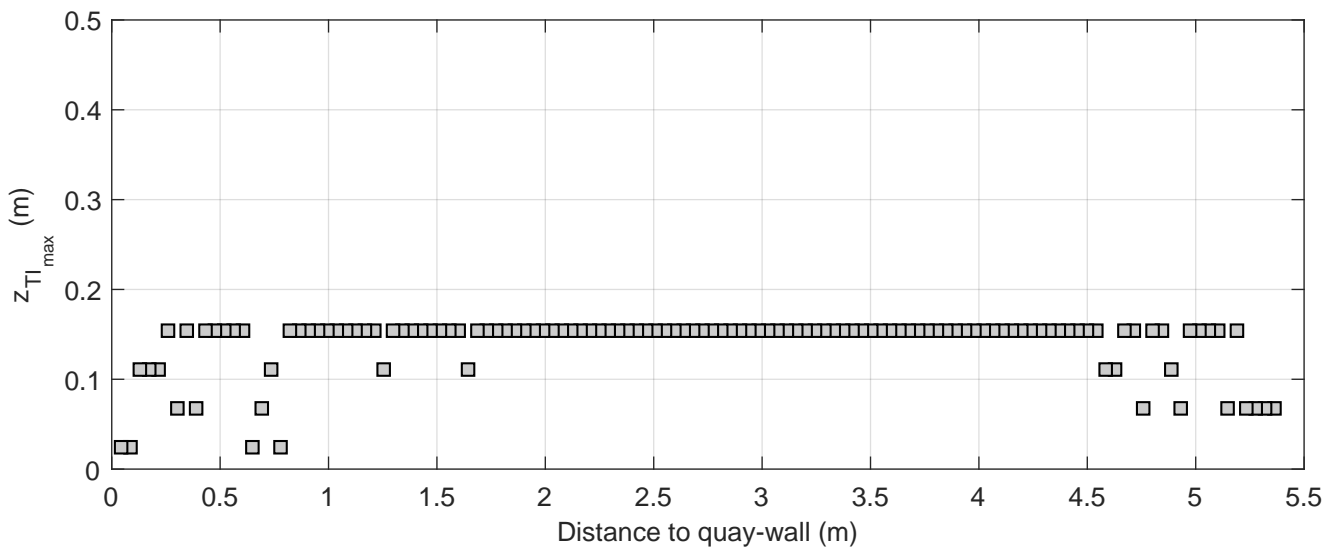
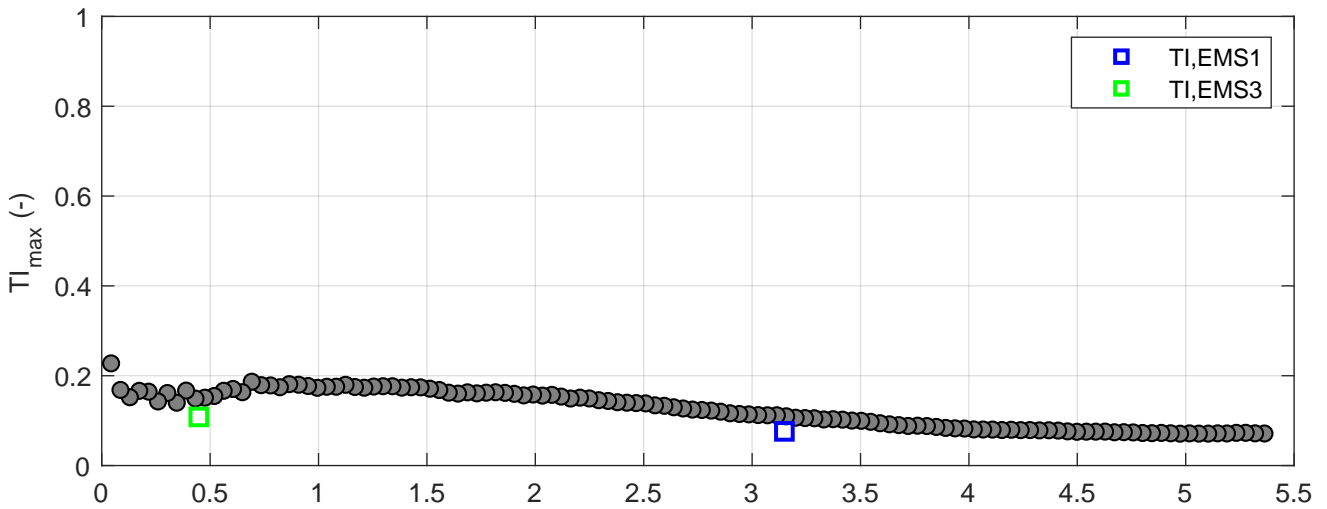
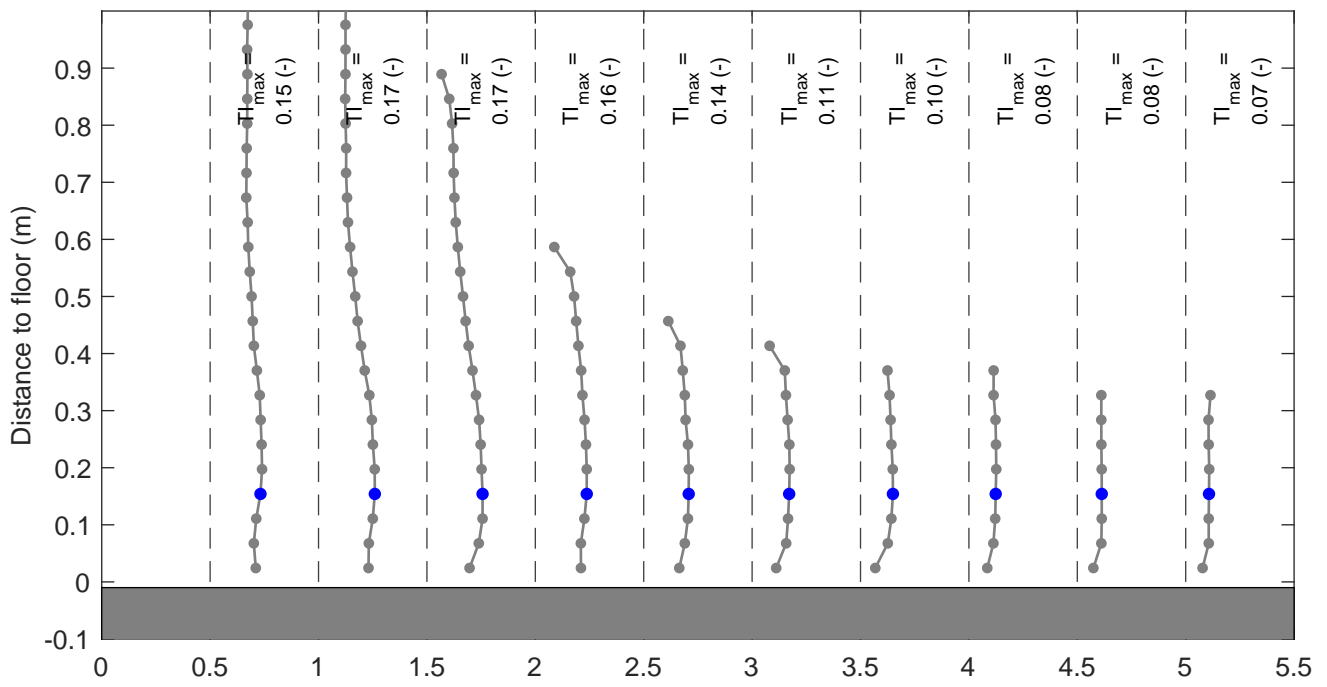
TKI-SOP

PIVSOP293

Deltares

11206641

Fig. J



Turbulence intensity profiles | Active thruster: BT2
 Maximum TI near bed and location in the vertical
 $\Delta x = 0.8$ m, $\Delta y = -4.0$ m, UKC = 0.4 m, $U_{BT2} = 4.6$ m/s

PIV, FOV1

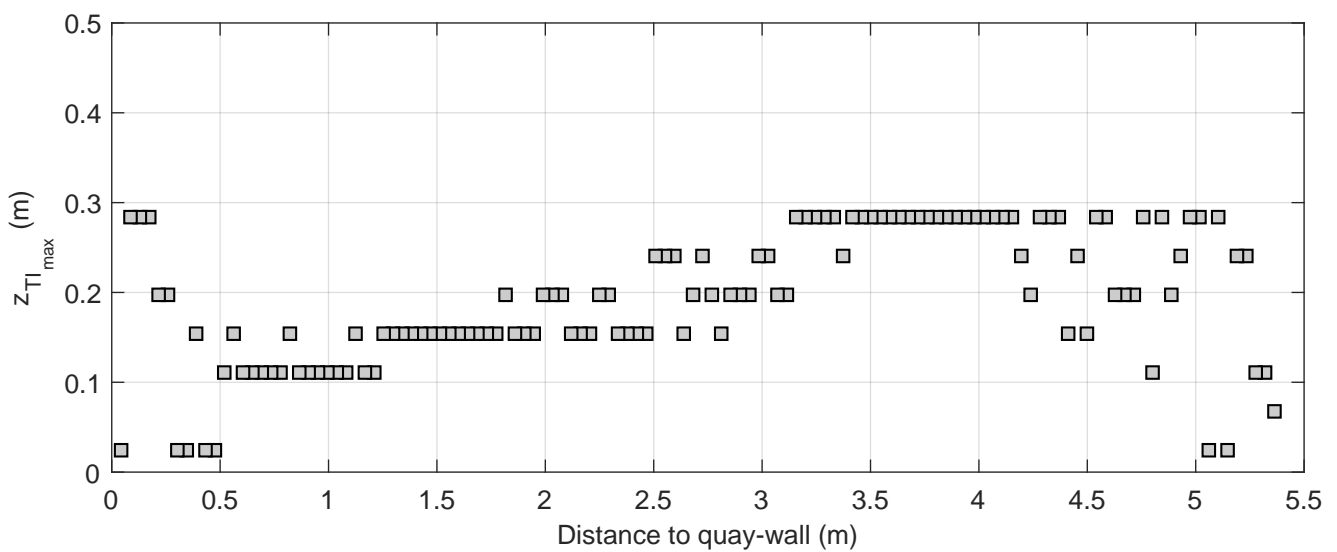
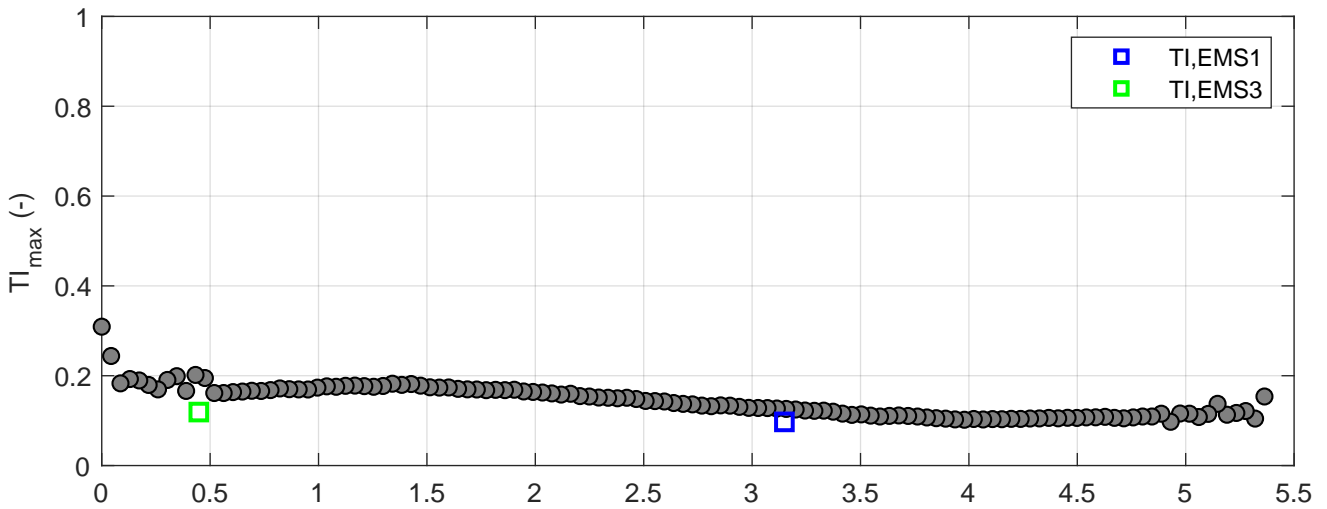
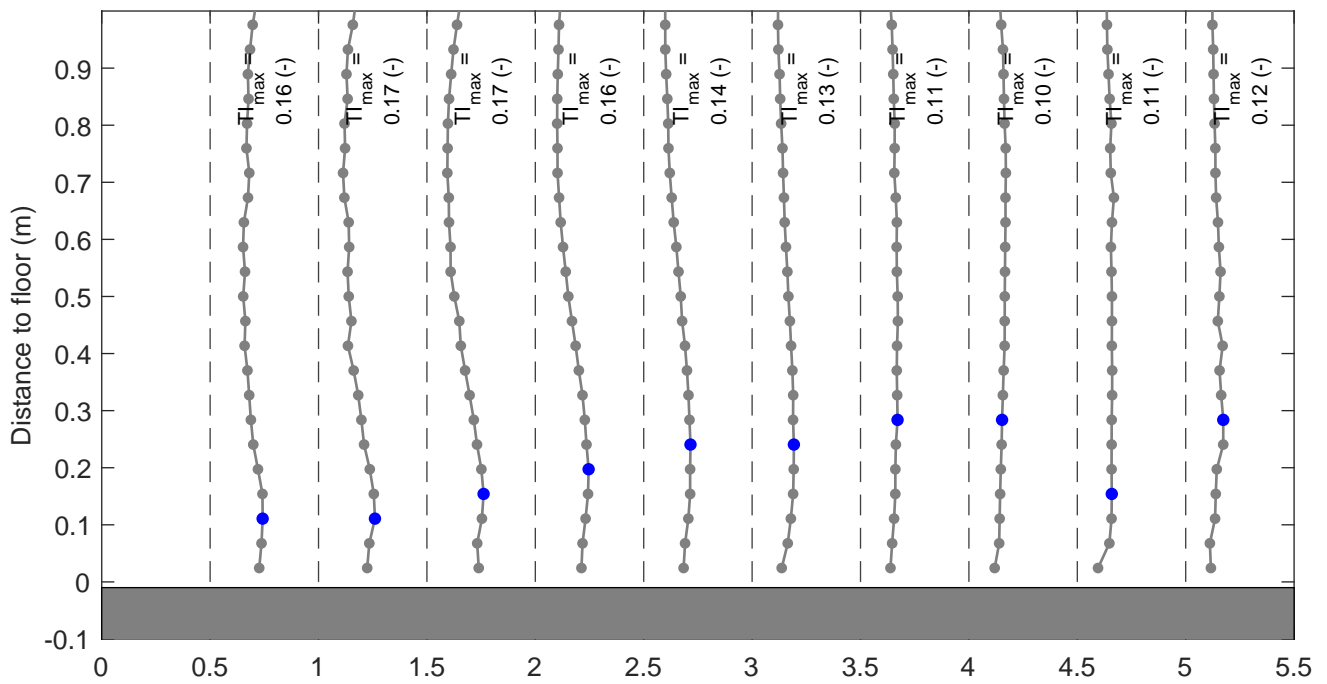
TKI-SOP

PIVSOP295

Deltares

11206641

Fig. J



Turbulence intensity profiles | Active thruster: BT2
 Maximum TI near bed and location in the vertical
 $\Delta x = 0.8$ m, $\Delta y = 0.0$ m, UKC = 1.4 m, $U_{BT2} = 4.6$ m/s

PIV, FOV1

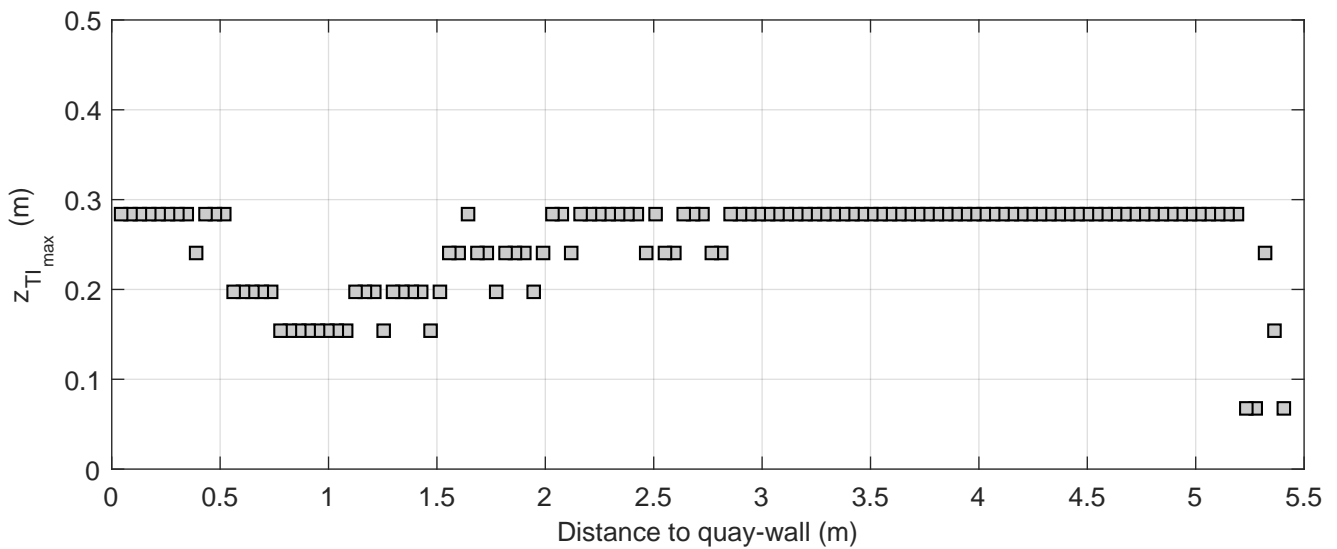
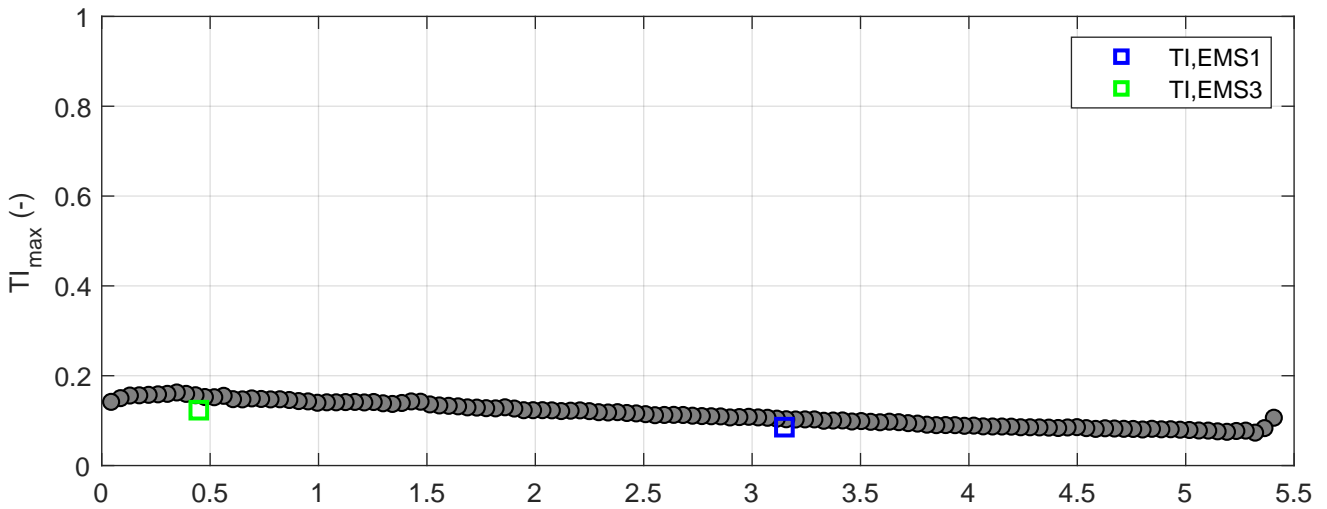
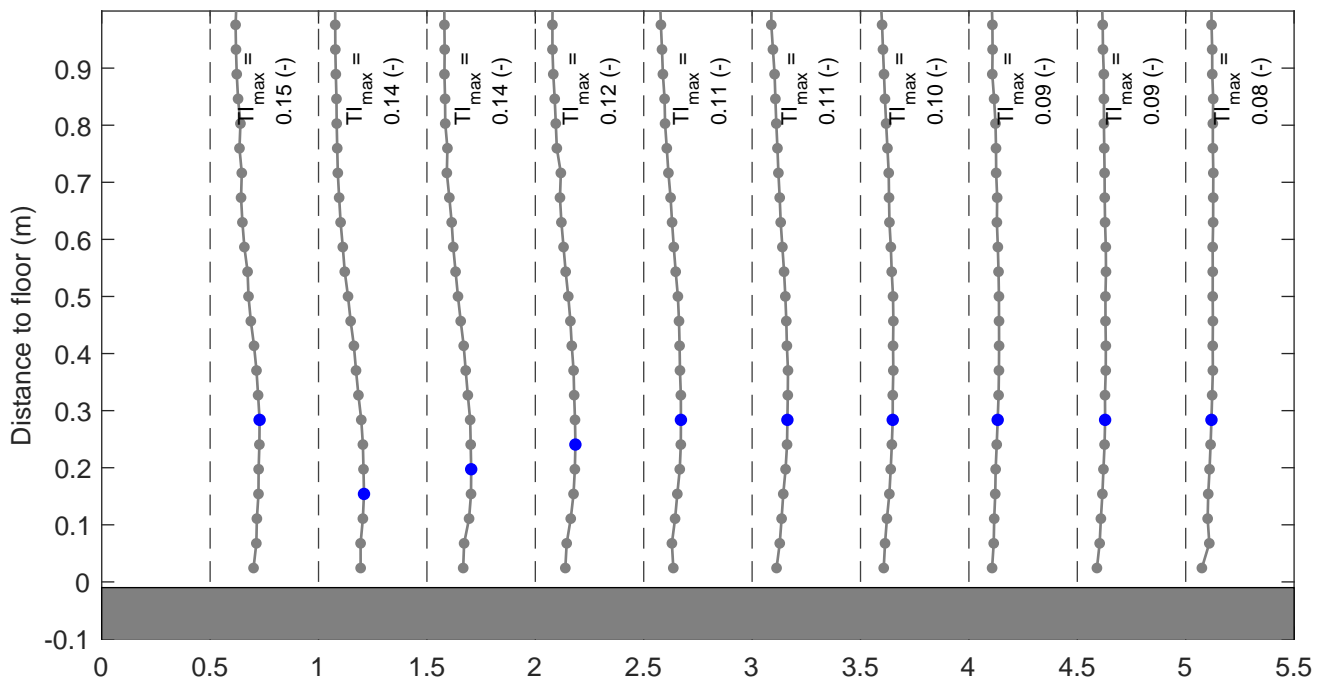
TKI-SOP

PIVSOP298

Deltares

11206641

Fig. J



Turbulence intensity profiles | Active thruster: BT2
 Maximum TI near bed and location in the vertical
 $\Delta x = 0.8$ m, $\Delta y = 0.0$ m, UKC = 2.4 m, $U_{BT2} = 4.4$ m/s

PIV, FOV1

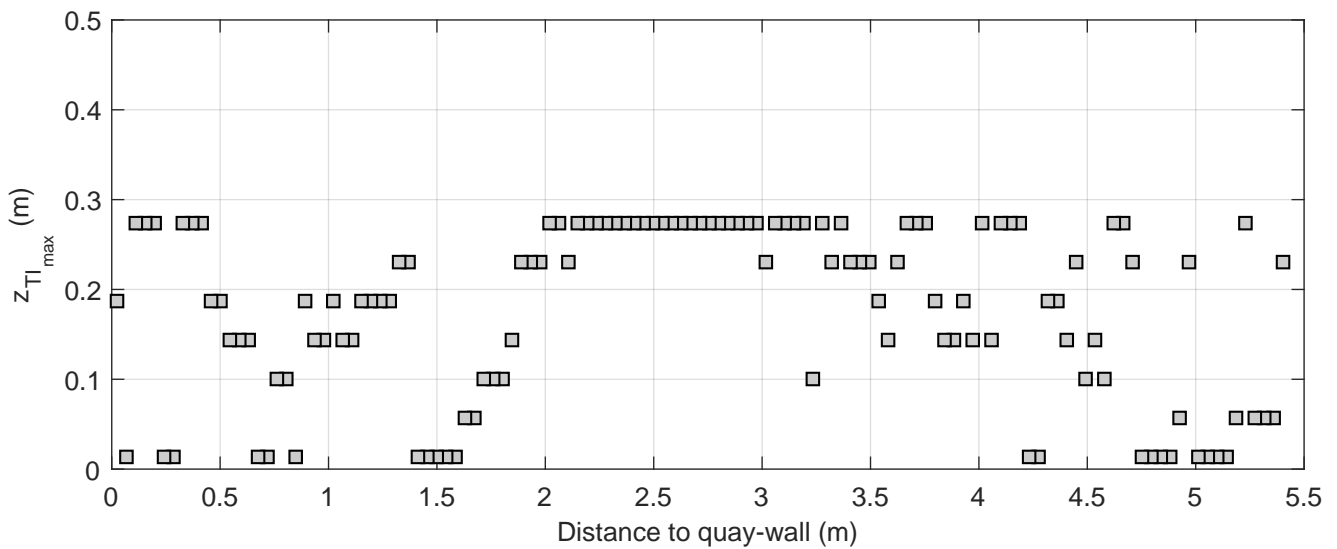
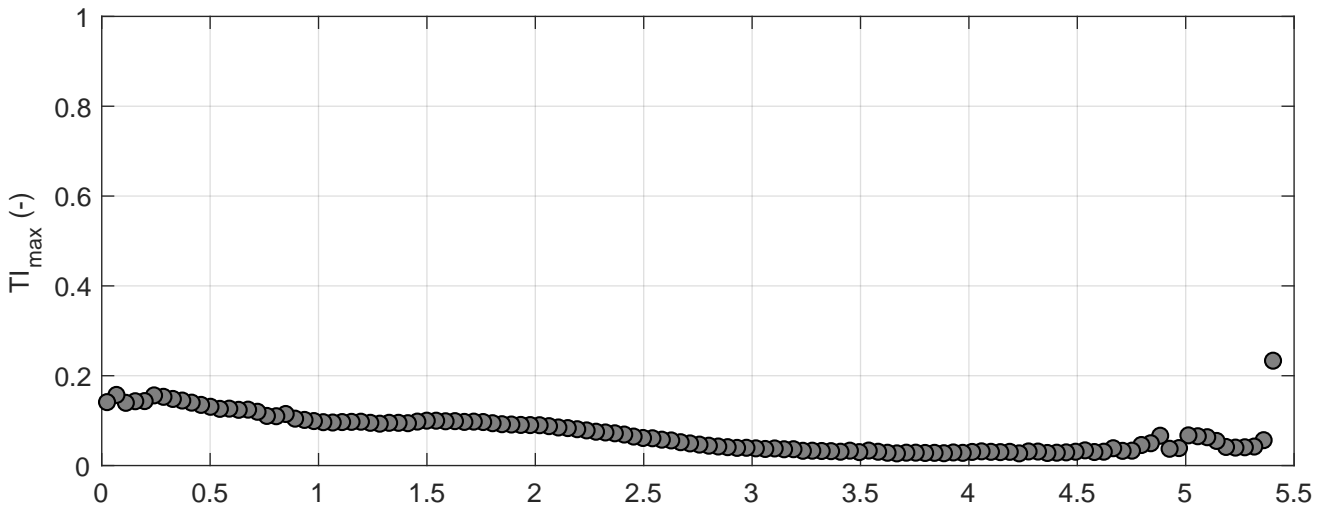
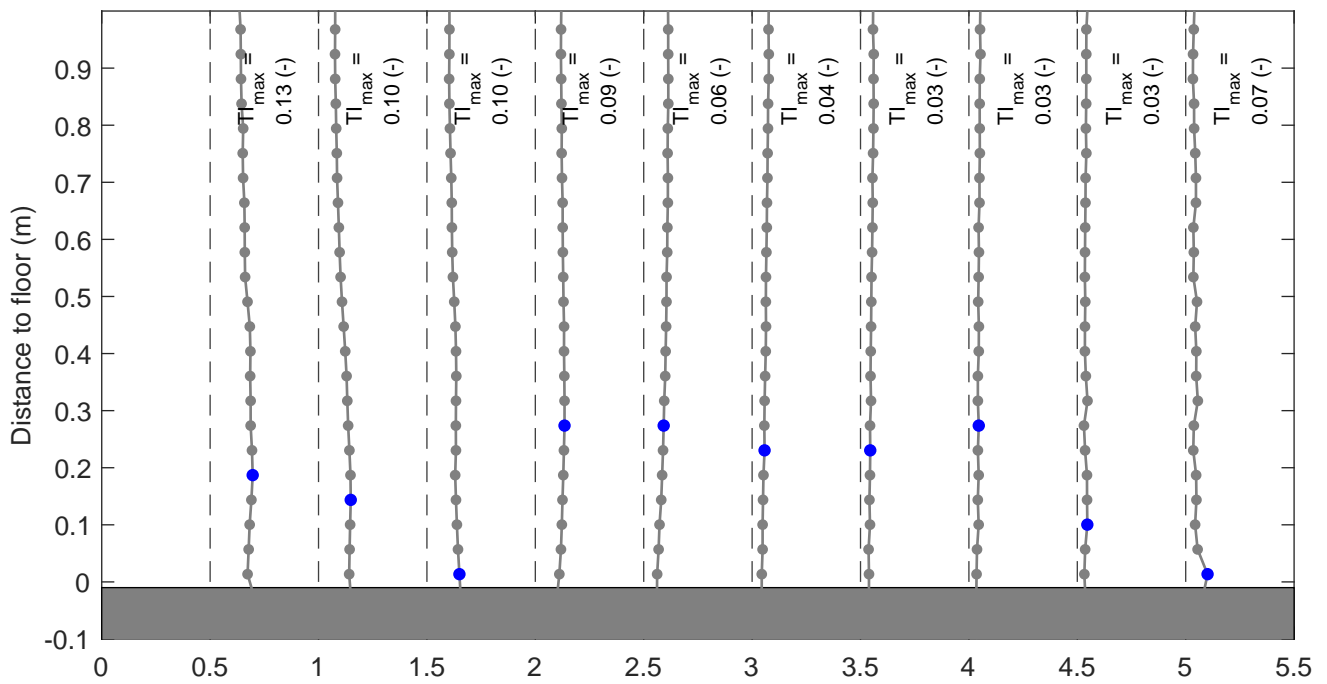
TKI-SOP

PIVSOP300

Deltares

11206641

Fig. J



Turbulence intensity profiles | Active thruster: BT2
 Maximum TI near bed and location in the vertical
 $\Delta x = 0.8 \text{ m}$, $\Delta y = 2.0 \text{ m}$, $UKC = 2.5 \text{ m}$, $U_{BT2} = 4.7 \text{ m/s}$

PIV, FOV1

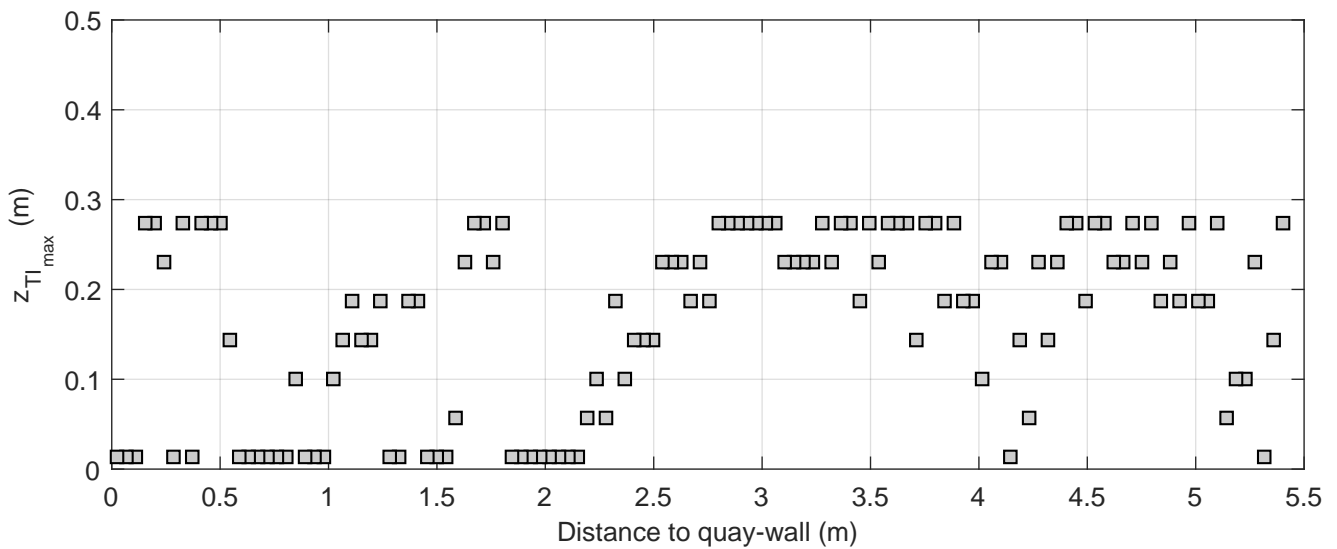
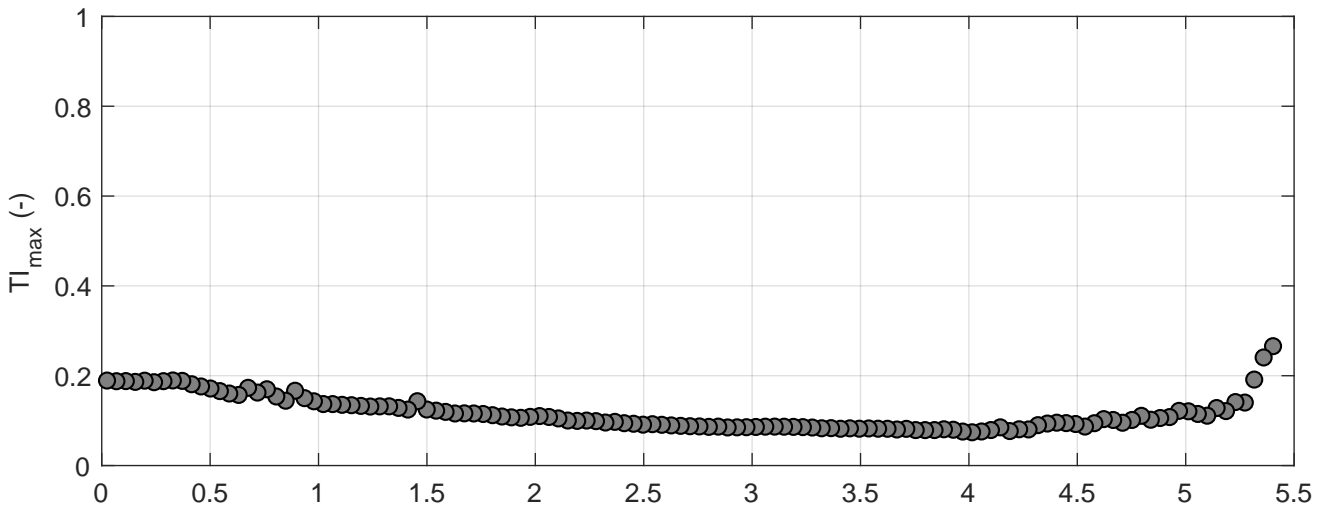
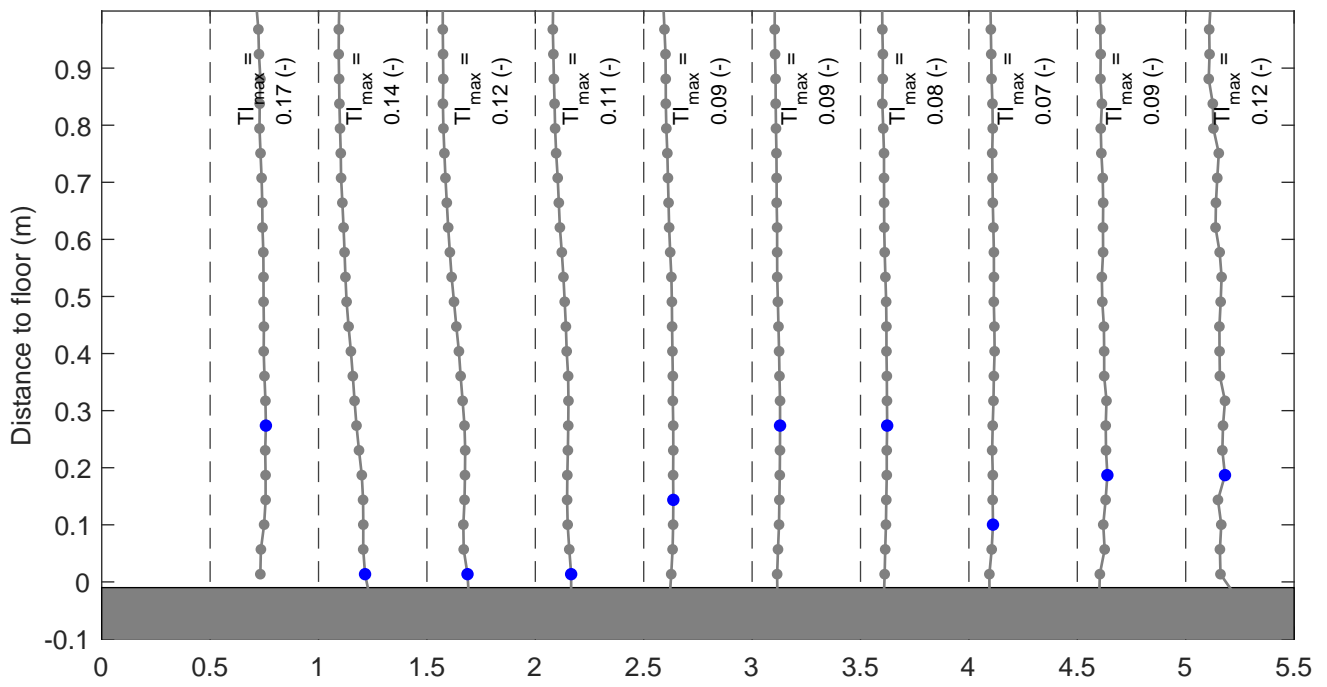
TKI-SOP

PIVSOP303

Deltares

11206641

Fig. J



Turbulence intensity profiles | Active thruster: BT2
 Maximum TI near bed and location in the vertical
 $\Delta x = 0.8 \text{ m}$, $\Delta y = -2.0 \text{ m}$, UKC = 2.5 m, $U_{BT2} = 4.7 \text{ m/s}$

PIV, FOV1

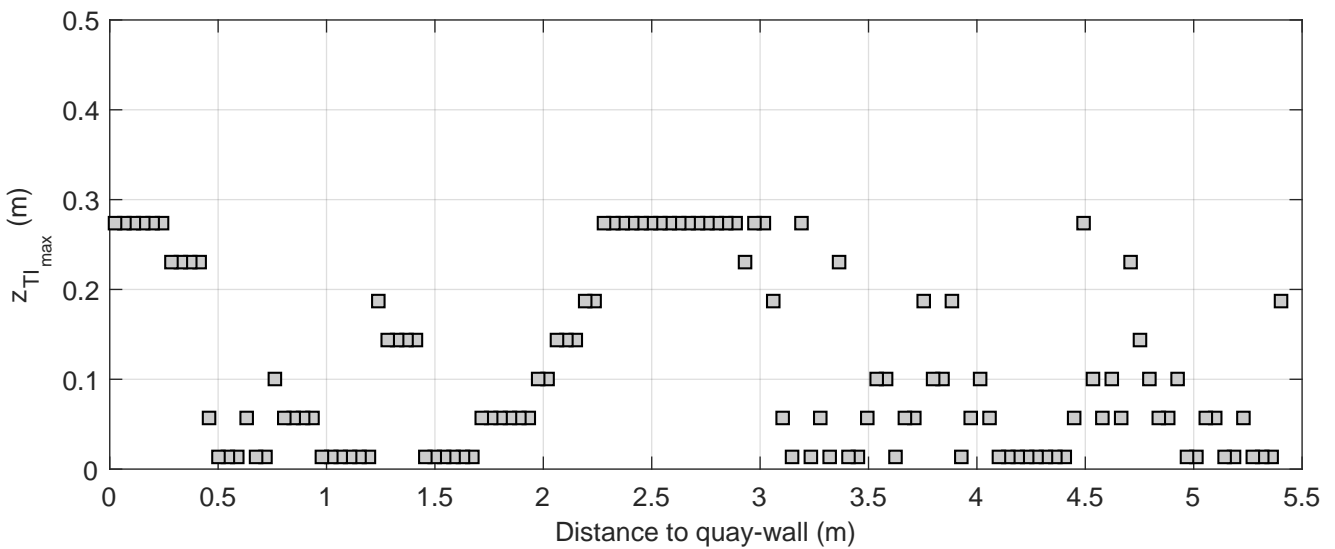
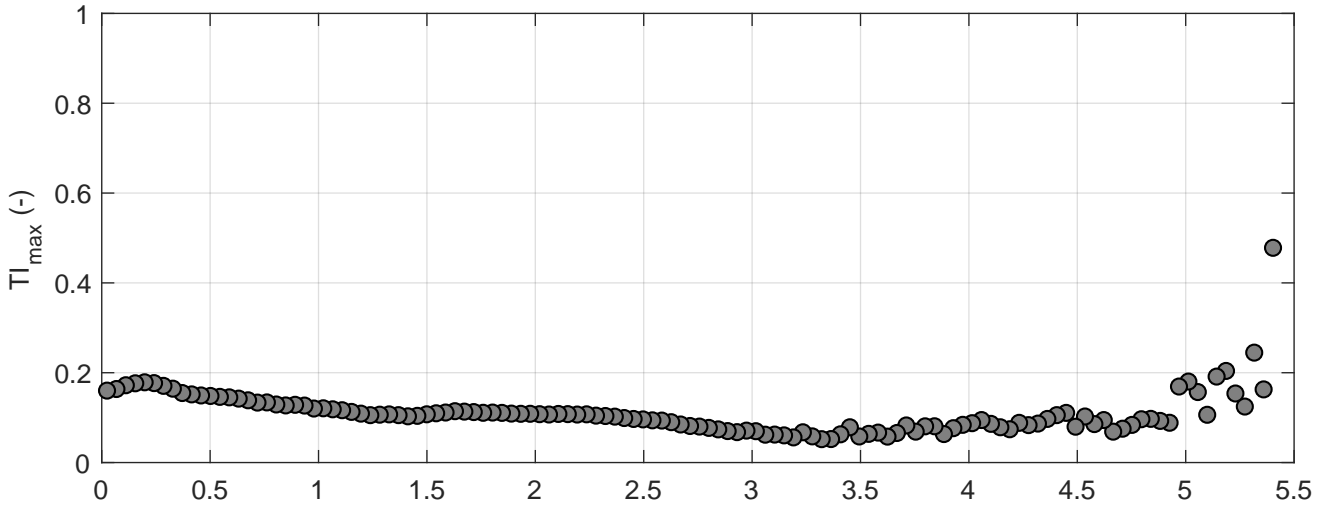
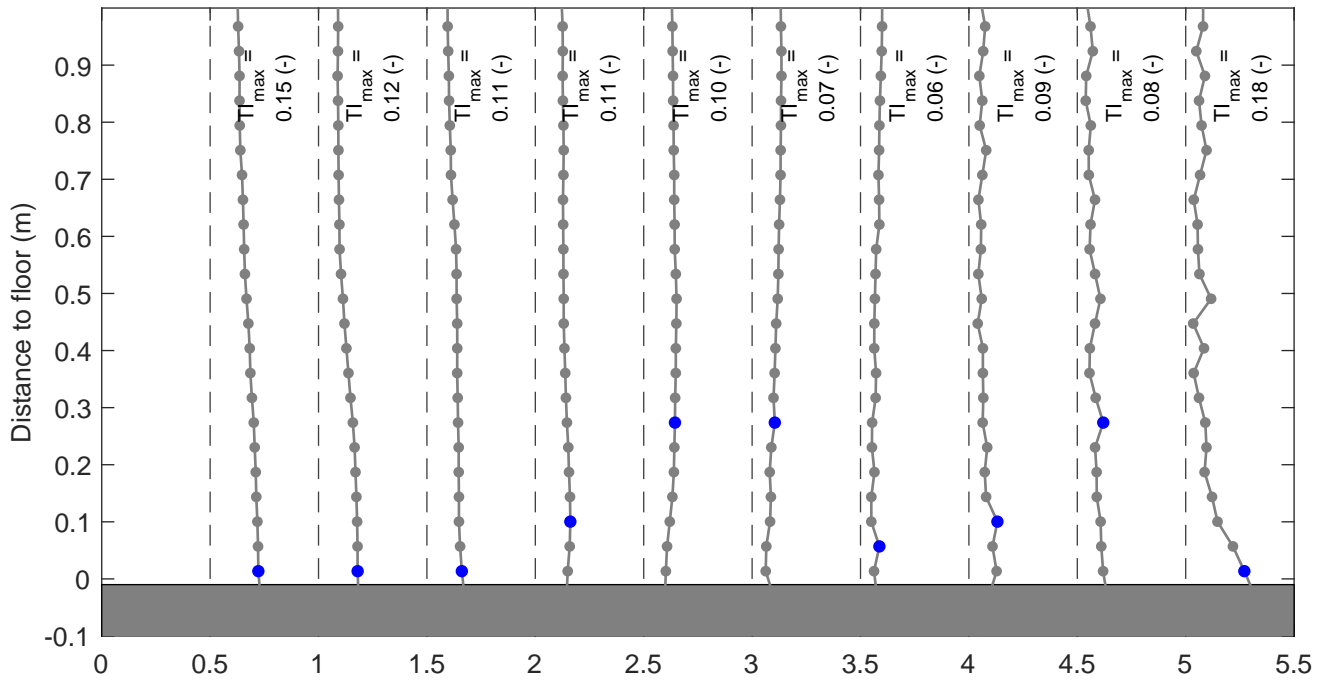
TKI-SOP

PIVSOP306

Deltares

11206641

Fig. J



Turbulence intensity profiles | Active thruster: BT2
 Maximum TI near bed and location in the vertical
 $\Delta x = 0.8 \text{ m}$, $\Delta y = 0.0 \text{ m}$, $UKC = 2.5 \text{ m}$, $U_{BT2} = 4.7 \text{ m/s}$

PIV, FOV1

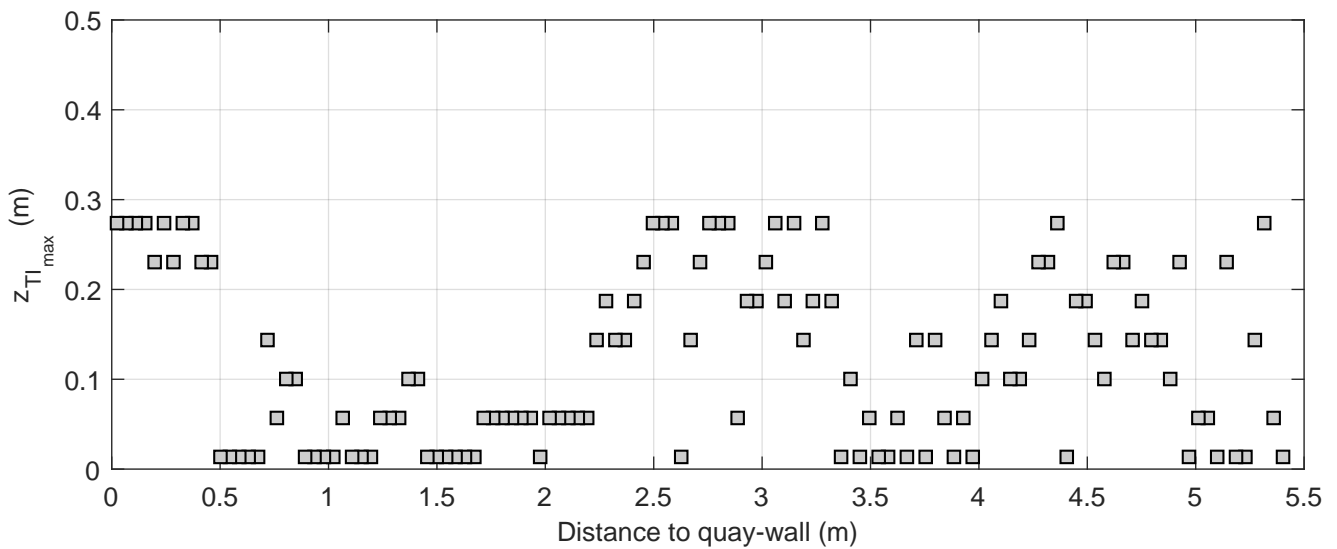
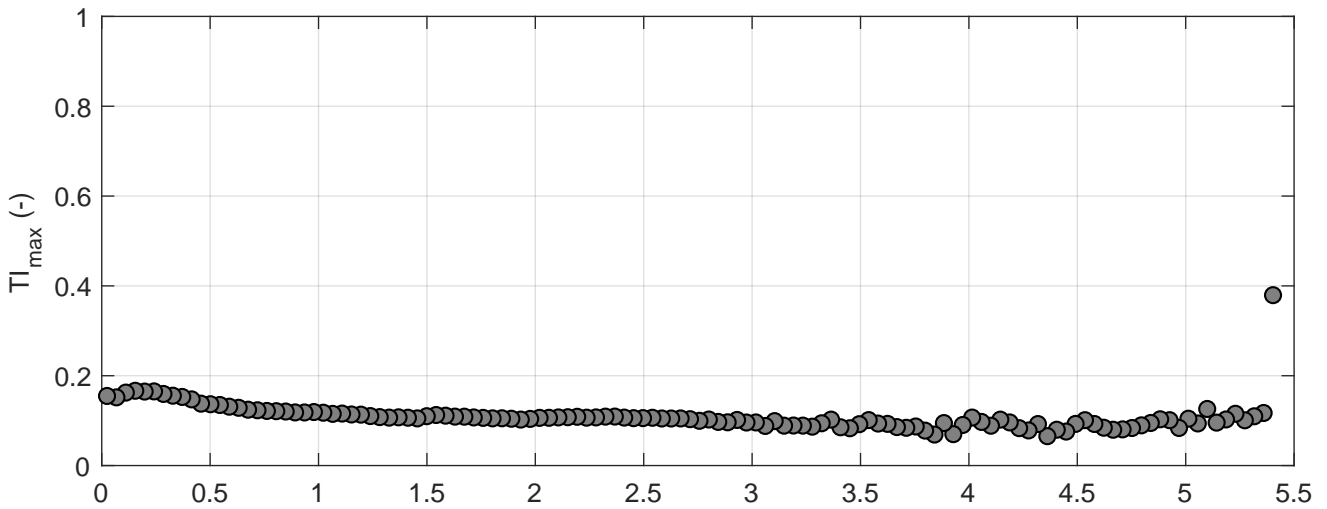
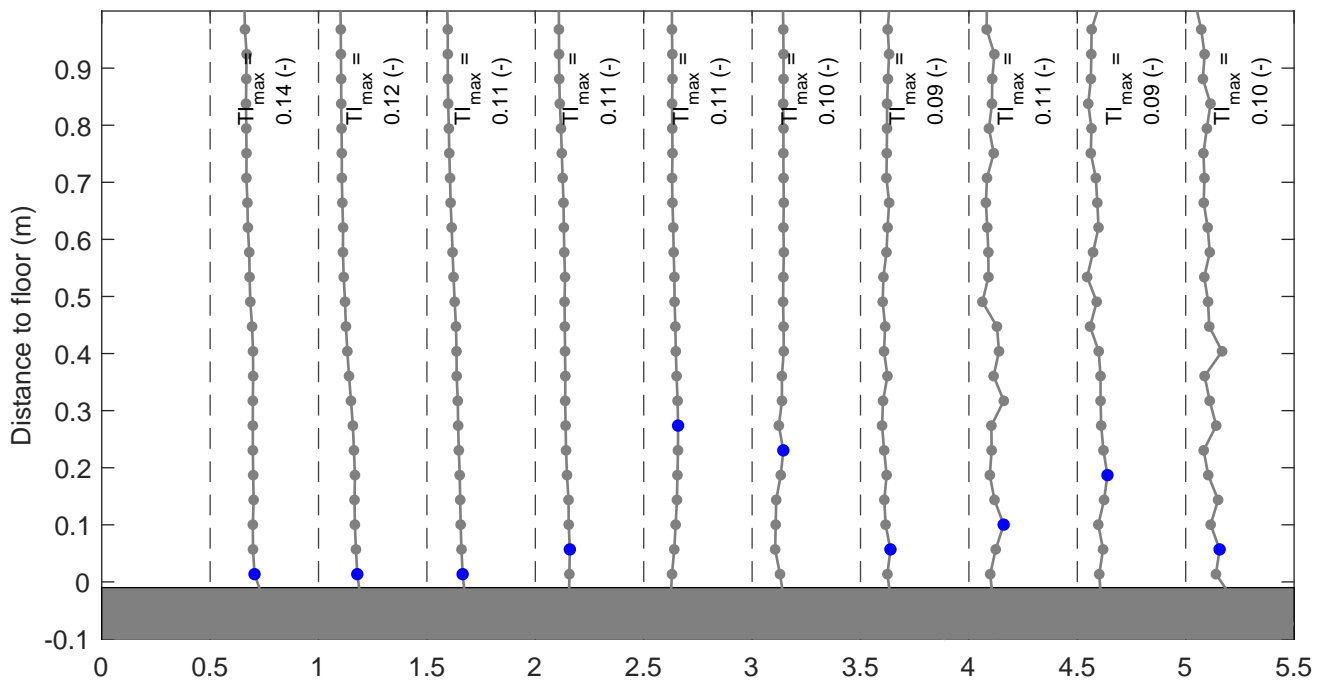
TKI-SOP

PIVSOP308

Deltares

11206641

Fig. J



Turbulence intensity profiles | Active thruster: BT2
 Maximum TI near bed and location in the vertical
 $\Delta x = 3.0$ m, $\Delta y = 0.0$ m, UKC = 2.5 m, $U_{BT2} = 4.7$ m/s

PIV, FOV1

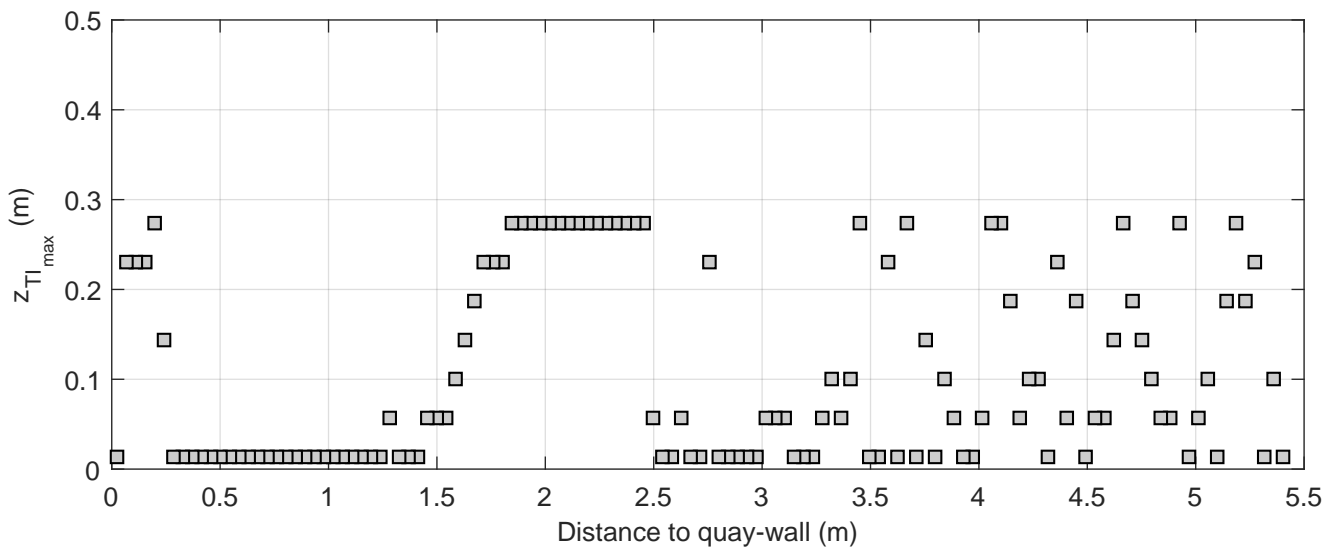
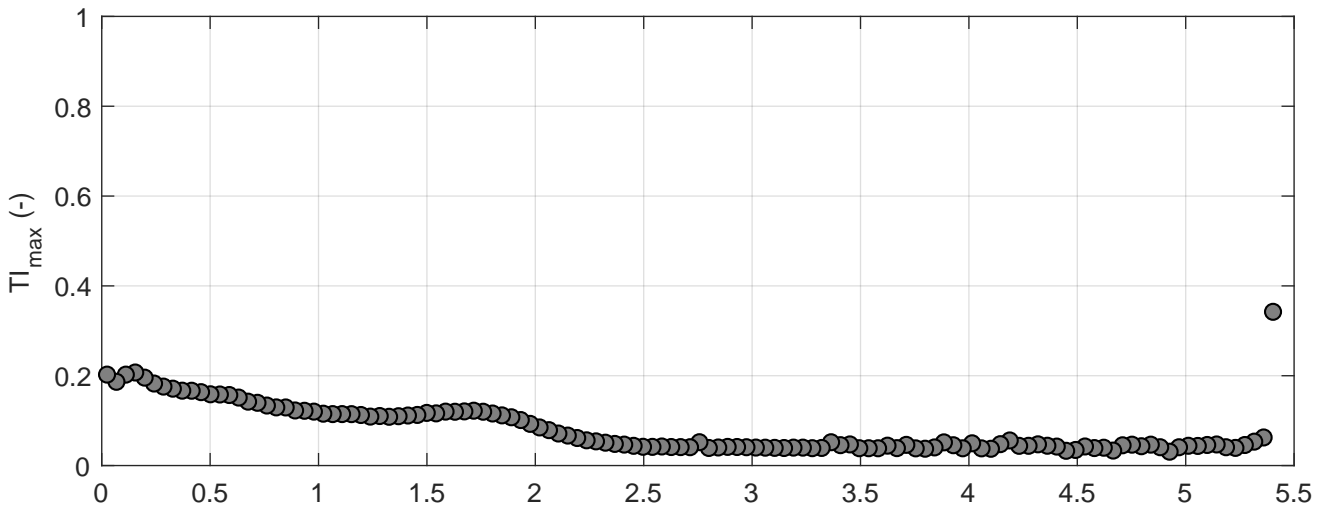
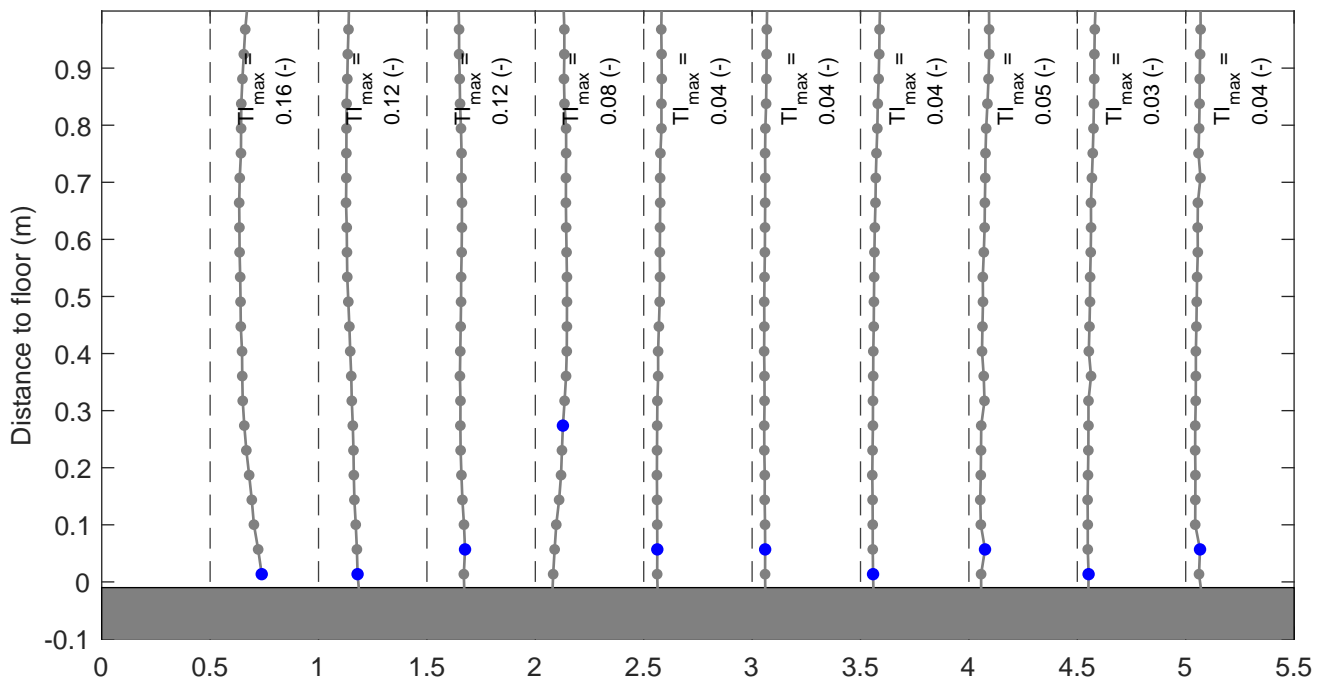
TKI-SOP

PIVSOP310

Deltares

11206641

Fig. J



Turbulence intensity profiles | Active thruster: BT2
 Maximum TI near bed and location in the vertical
 $\Delta x = 0.8 \text{ m}$, $\Delta y = 0.0 \text{ m}$, $UKC = 1.4 \text{ m}$, $U_{BT2} = 4.6 \text{ m/s}$

PIV, FOV1

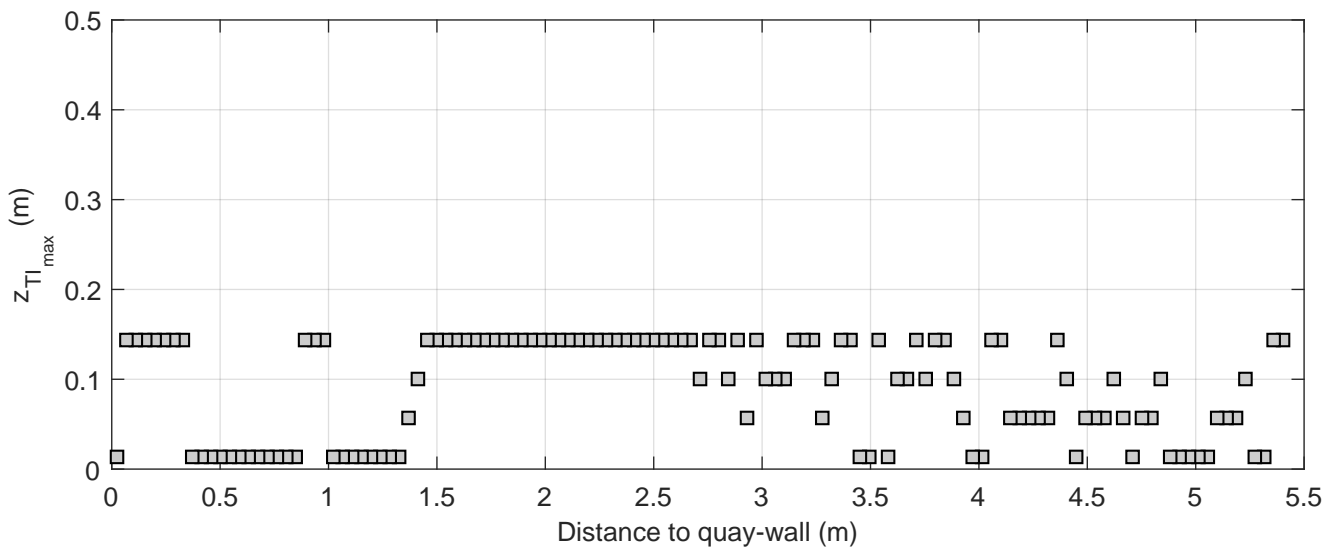
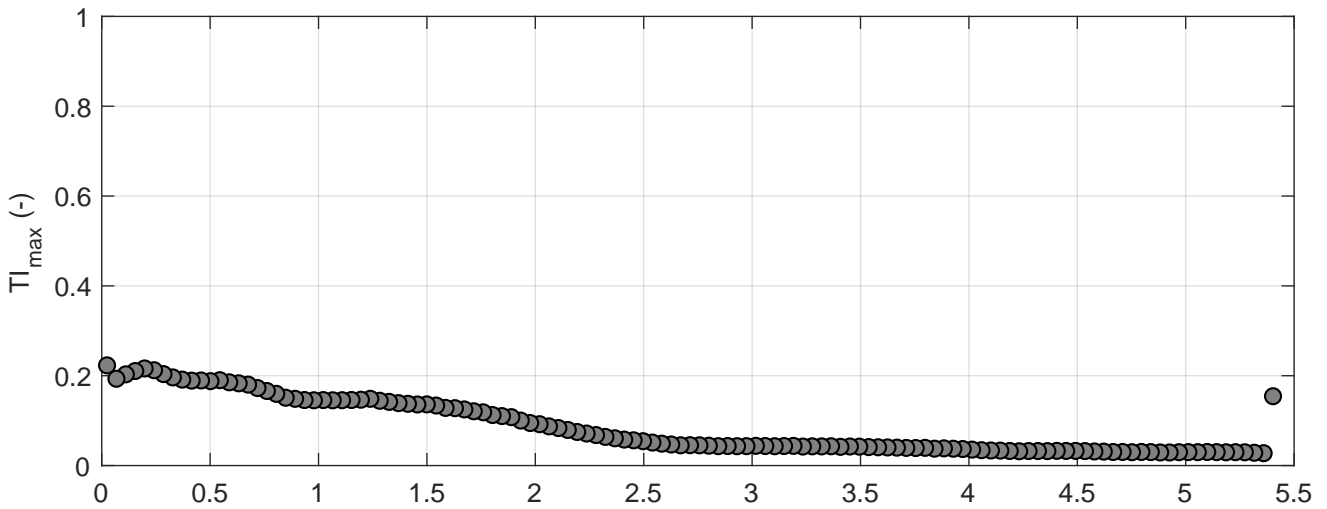
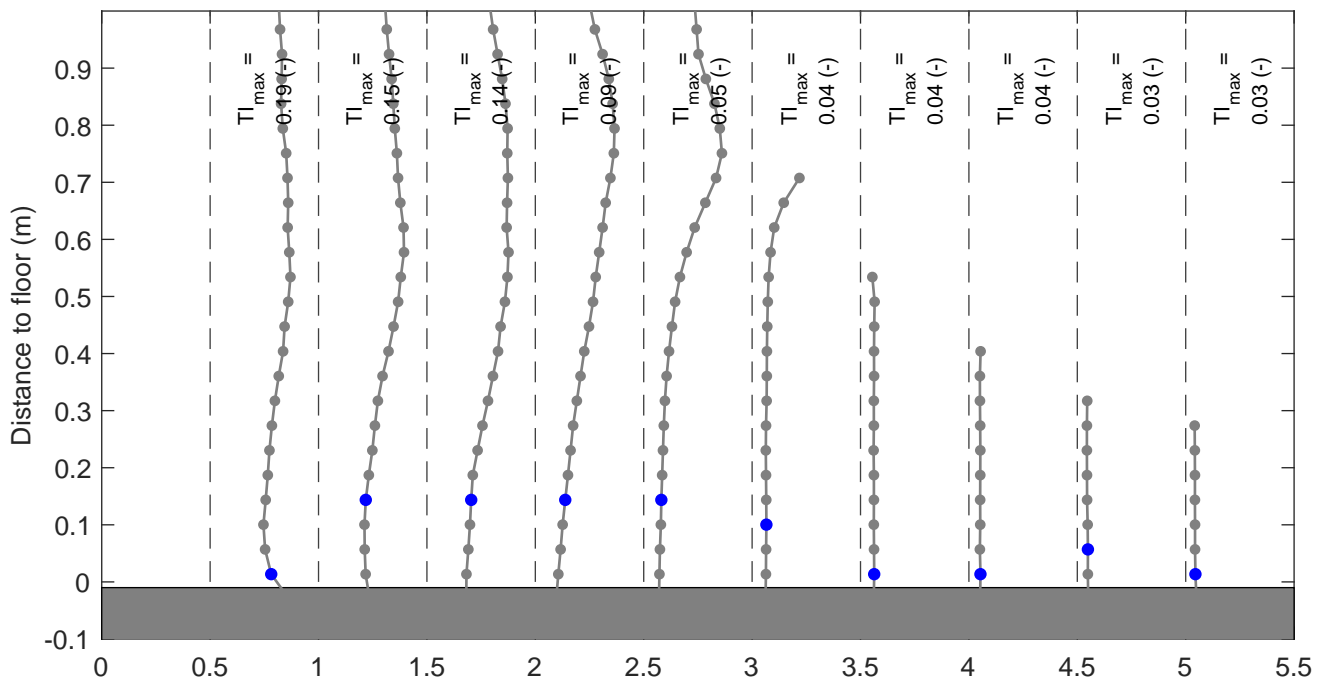
TKI-SOP

PIVSOP313

Deltares

11206641

Fig. J



Turbulence intensity profiles | Active thruster: BT2
 Maximum TI near bed and location in the vertical
 $\Delta x = 0.8 \text{ m}$, $\Delta y = 0.0 \text{ m}$, $UKC = 0.4 \text{ m}$, $U_{BT2} = 4.5 \text{ m/s}$

PIV, FOV1

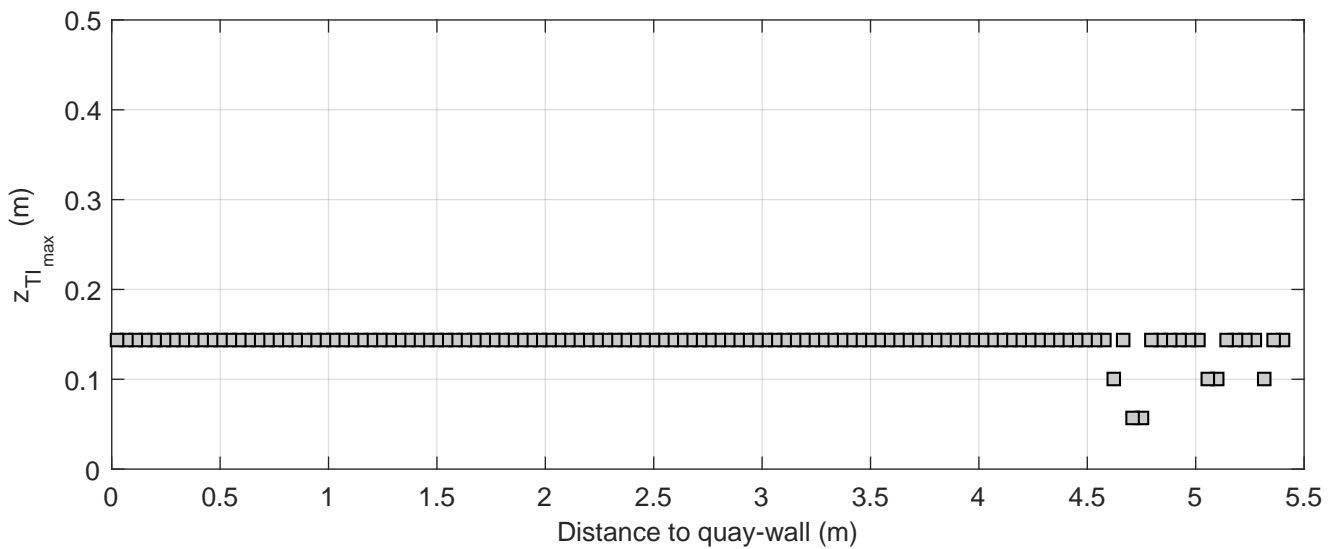
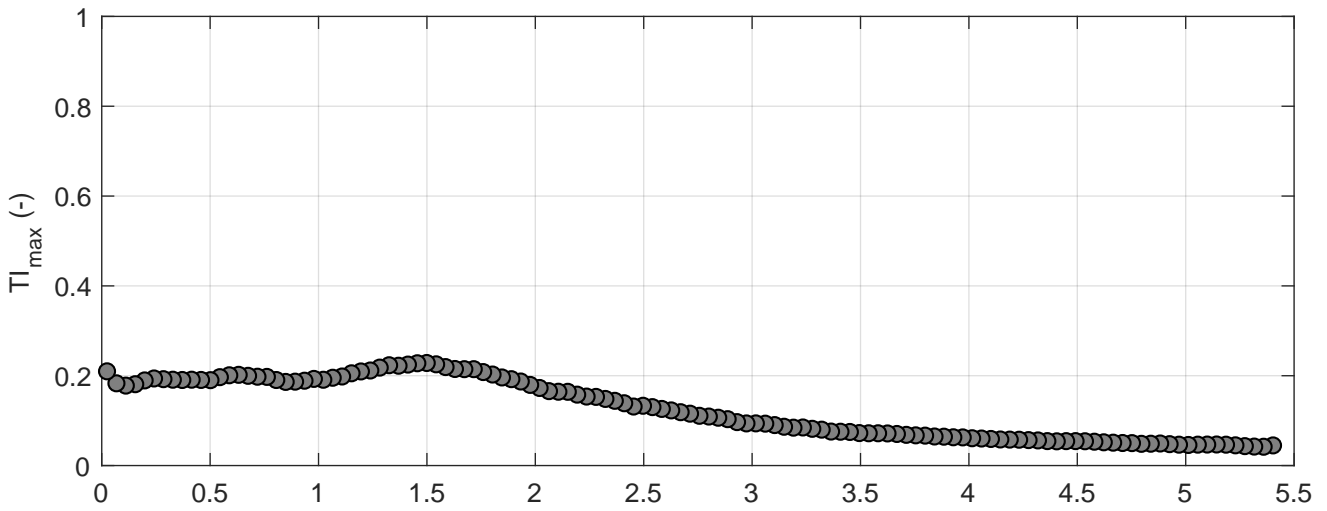
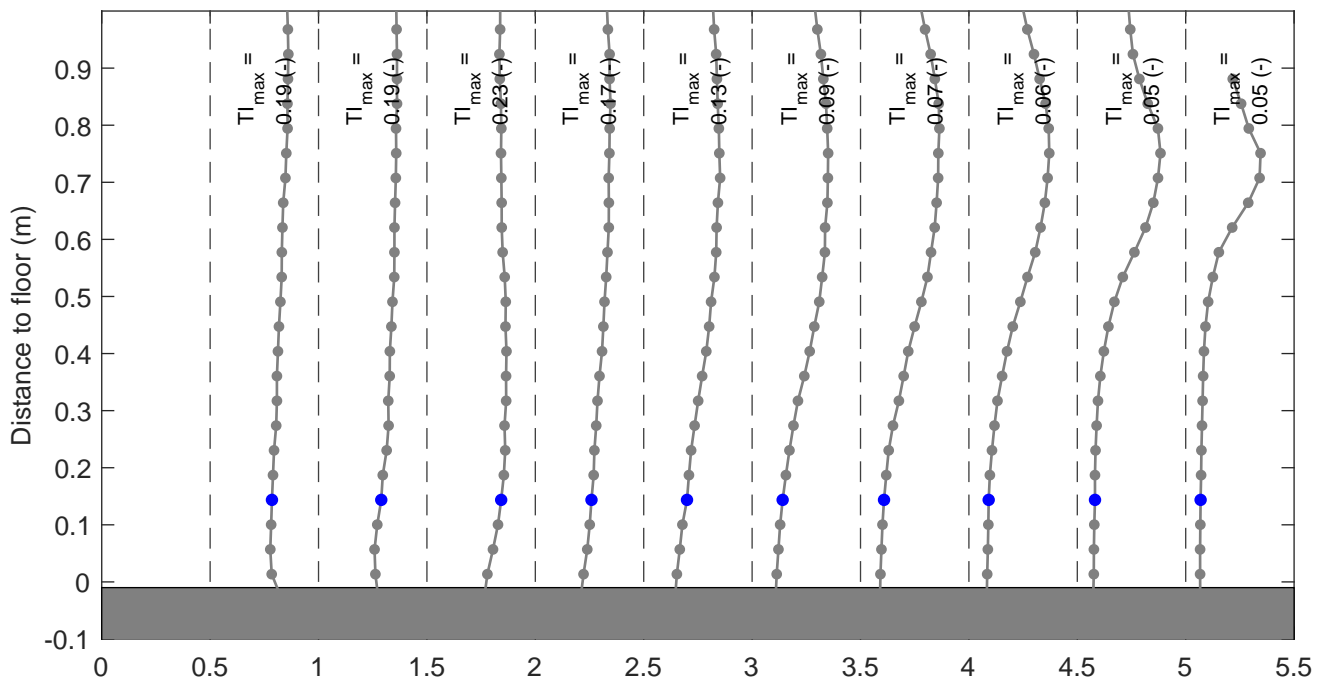
TKI-SOP

PIVSOP316

Deltares

11206641

Fig. J



Turbulence intensity profiles | Active thruster: BT2
 Maximum TI near bed and location in the vertical
 $\Delta x = 3.0$ m, $\Delta y = 0.0$ m, UKC = 0.4 m, $U_{BT2} = 4.6$ m/s

PIV, FOV1

TKI-SOP

PIVSOP318

Deltares

11206641

Fig. J