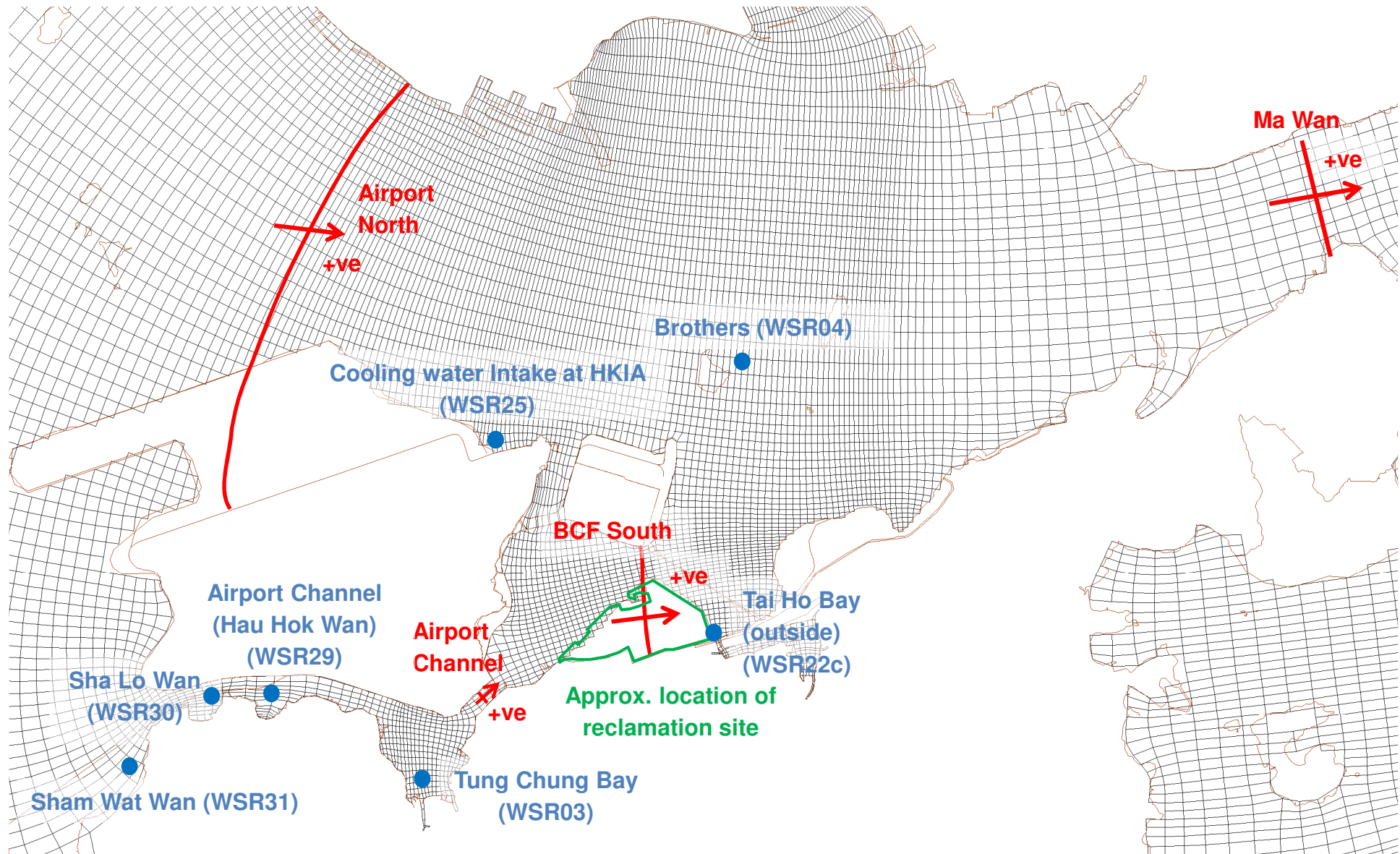


## Appendix 5.6

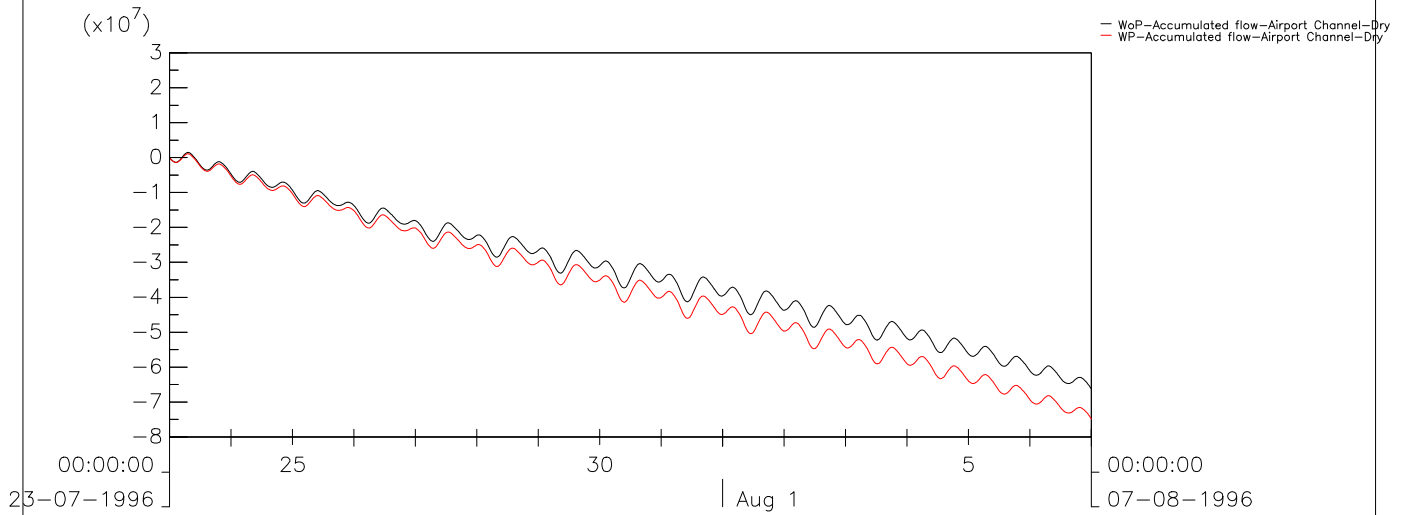
### Hydrodynamic Modeling Results (Operational Phase)



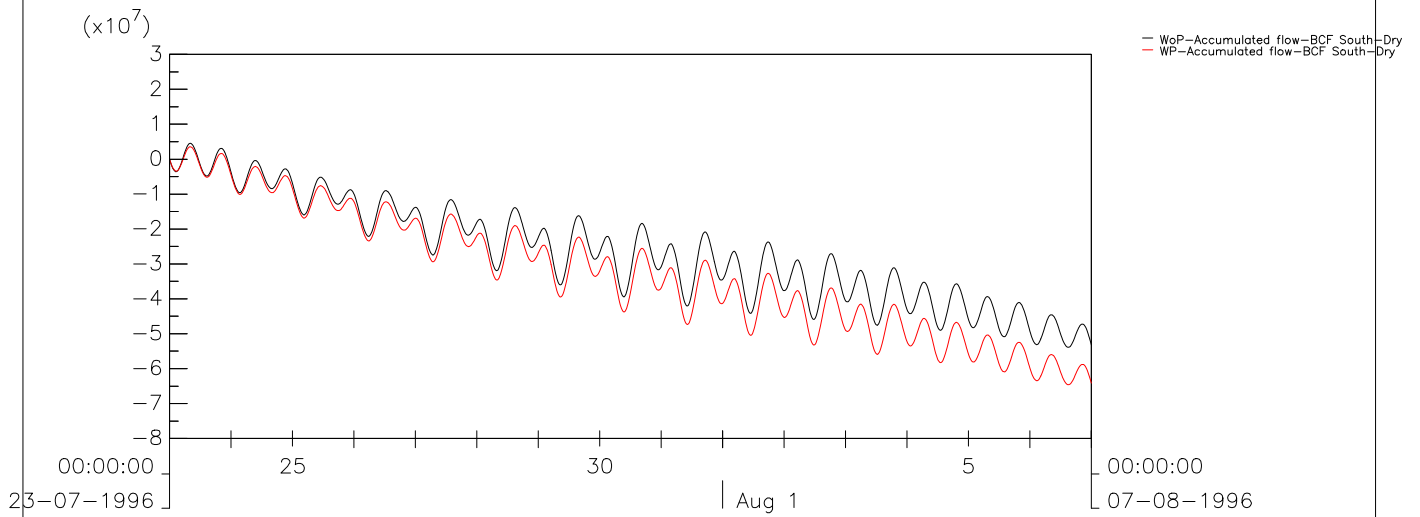
# Cross-Sections and Observation Points



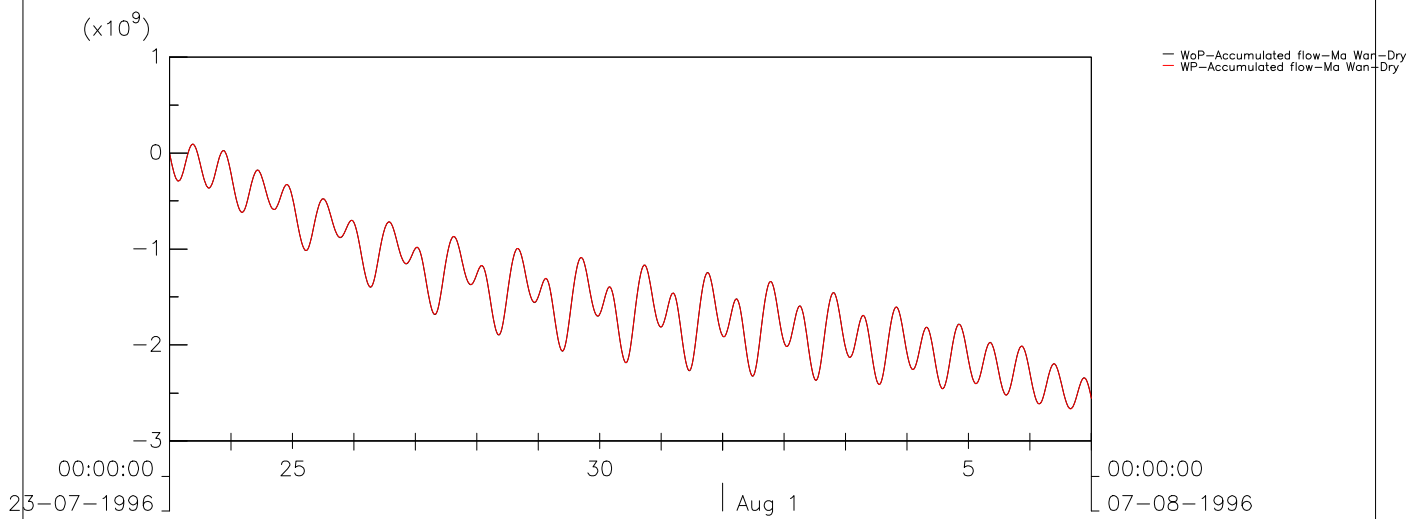
Airport Channel



BCF South



Ma Wan



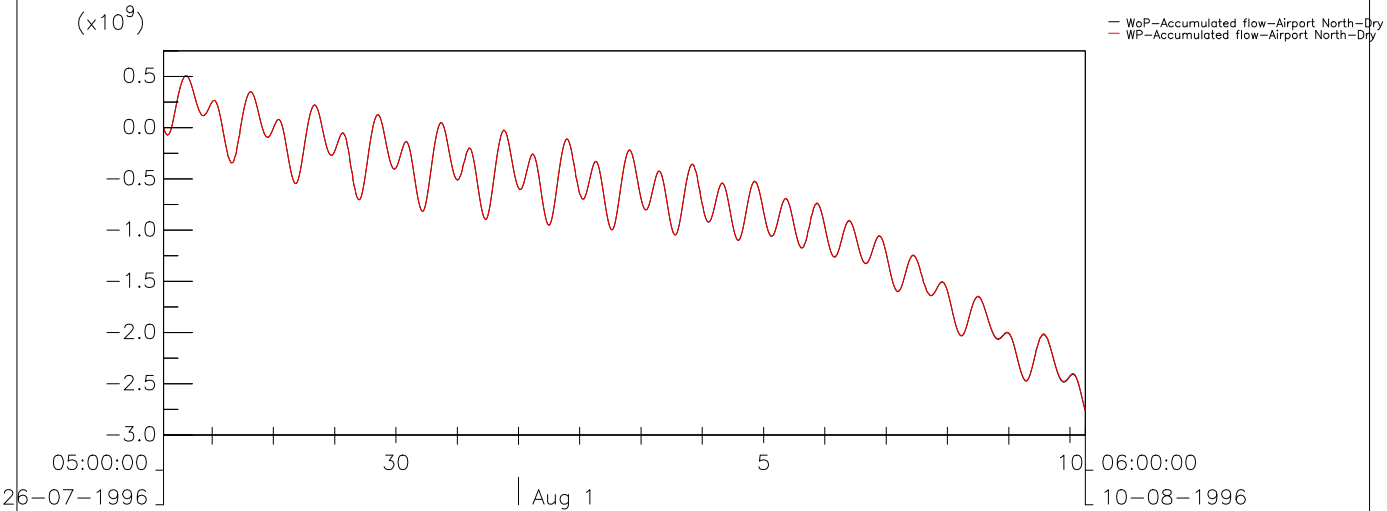
Accumulated Flow (m3)  
Black – Without Project Scenario; Red – With Project Scenario

Dry Season

AF—Dry

Arup

Airport North

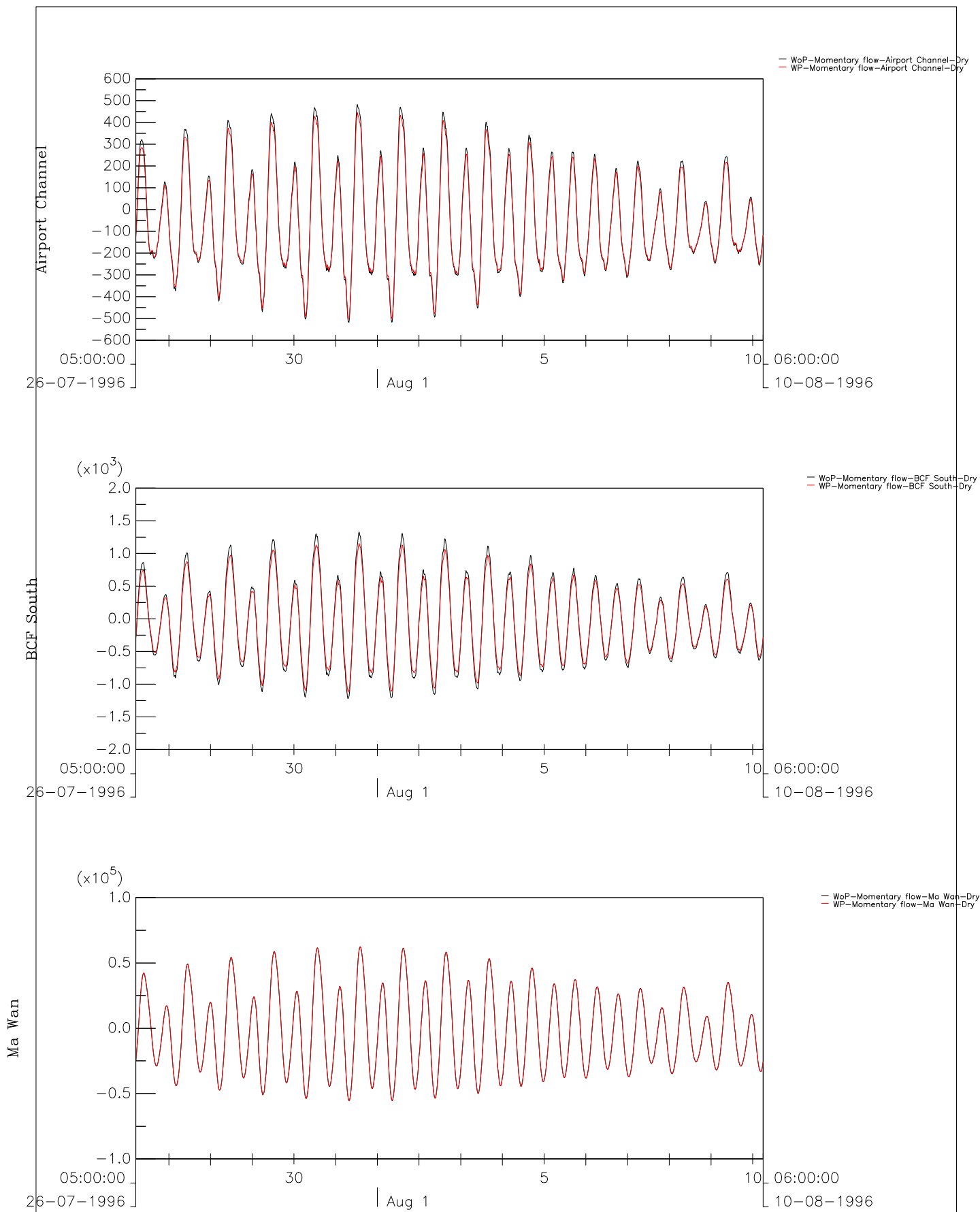


Accumulated Flow (m3)  
Black – Without Project Scenario; Red – With Project Scenario

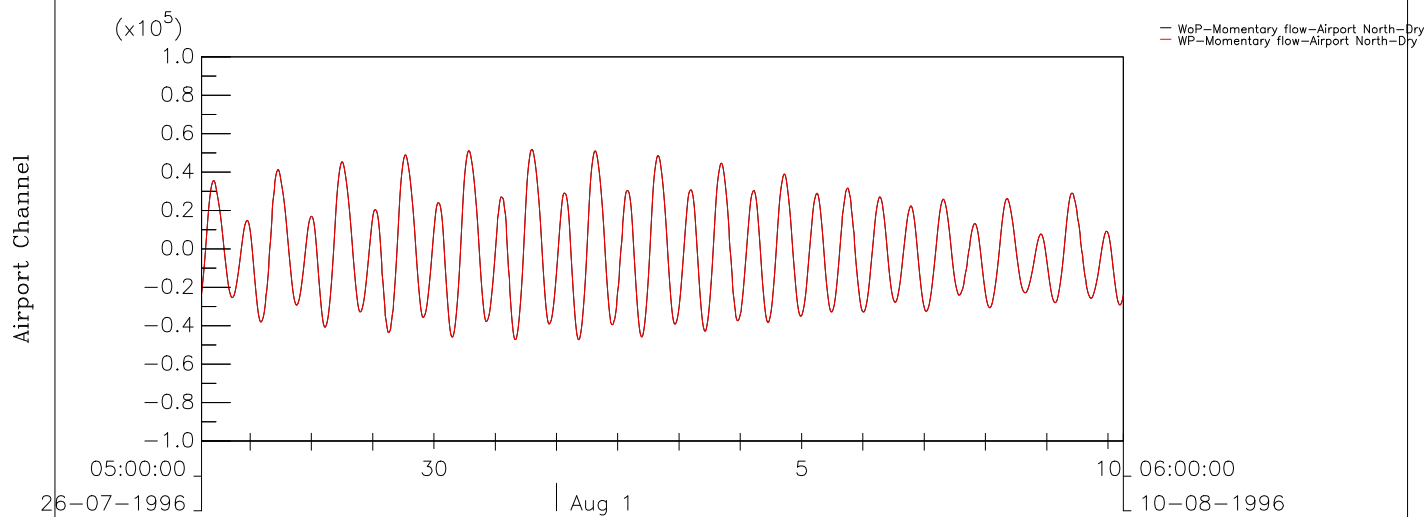
Dry Season

AF-Dry

Arup



Momentary Flow (m <sup>3</sup> /s) Black – Without Project Scenario; Red – With Project Scenario	Dry Season	
	MF—Dry	
Arup		



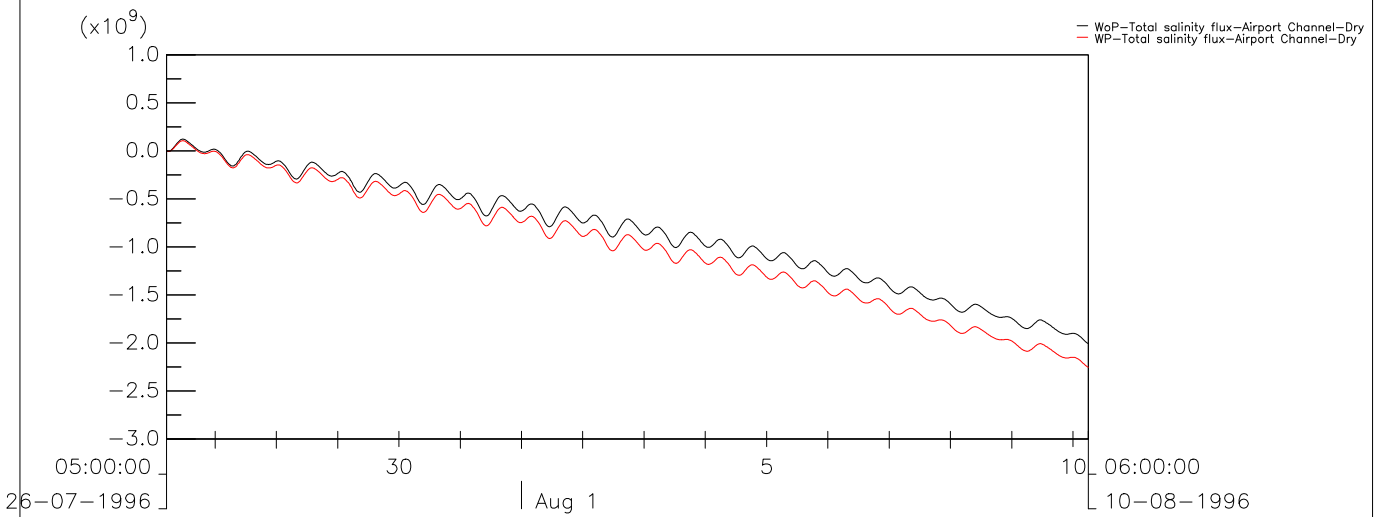
Momentary Flow (m<sup>3</sup>/s)  
 Black – Without Project Scenario; Red – With Project Scenario

Dry Season

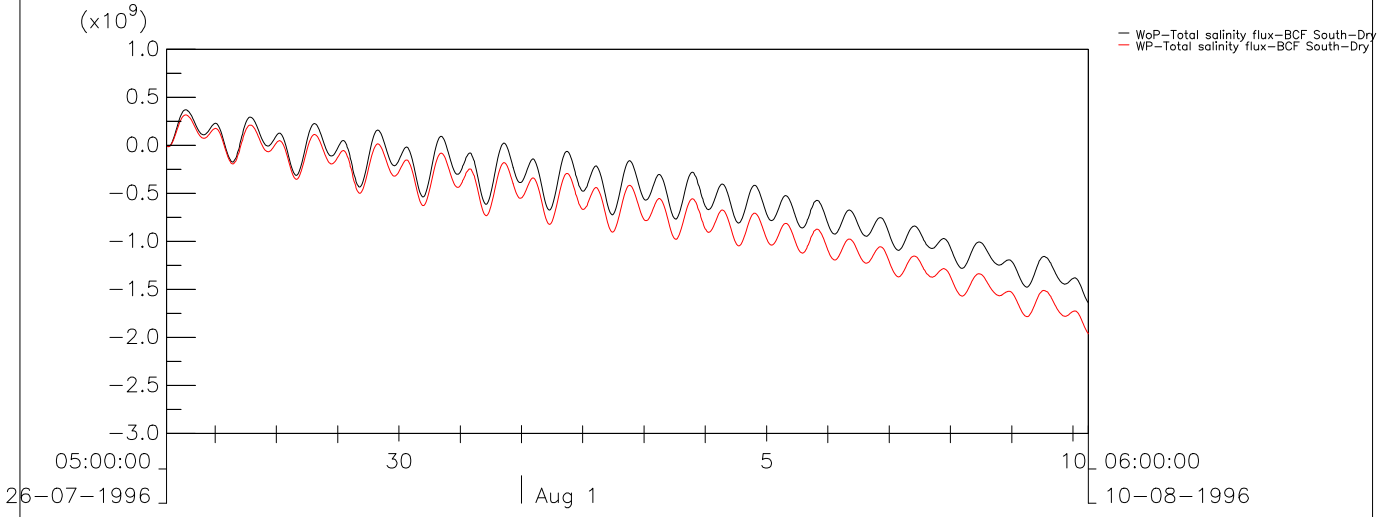
MF–Dry

Arup

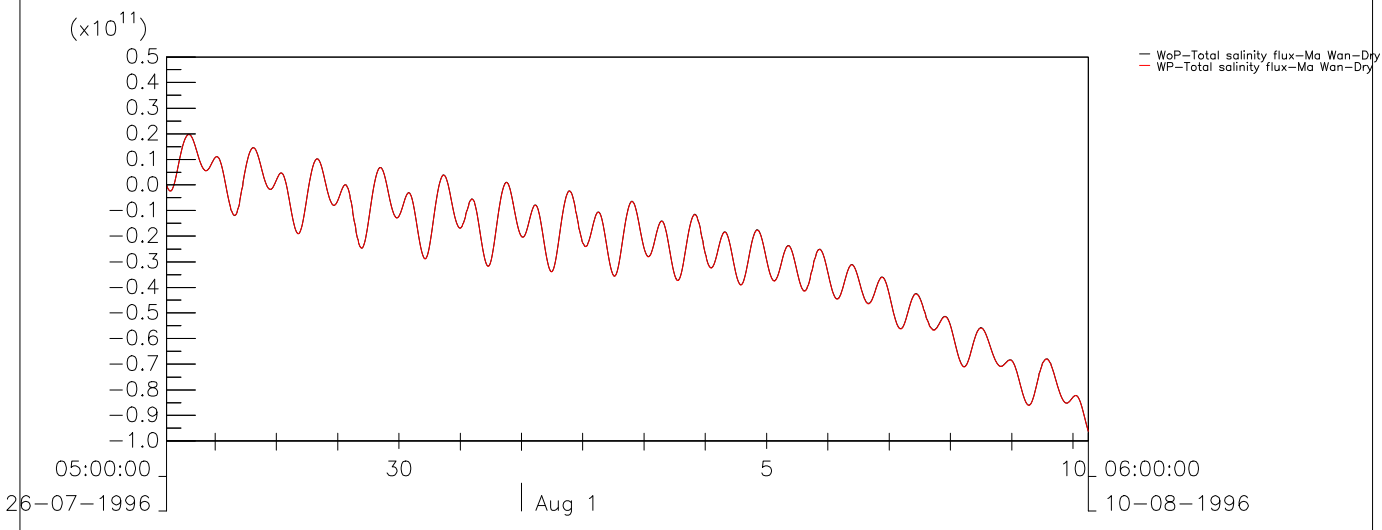
Airport Channel



BCF South



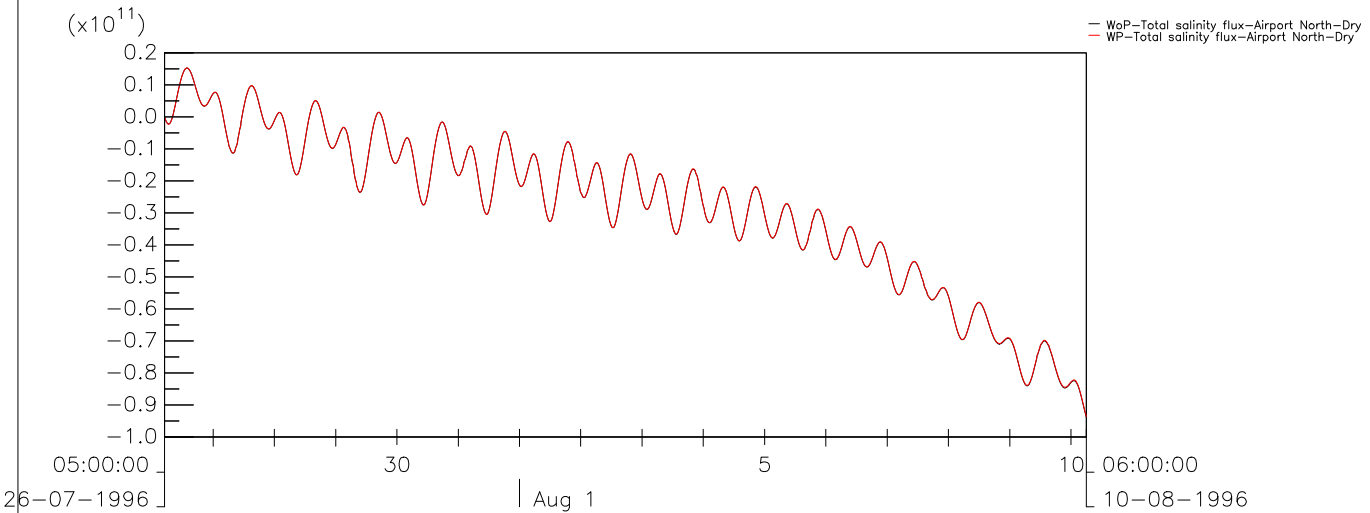
Ma Wan



Total Salinity Flux (kg/s) Black – Without Project Scenario; Red – With Project Scenario	Dry Season	
	SF-Dry	
Arup		



Airport North

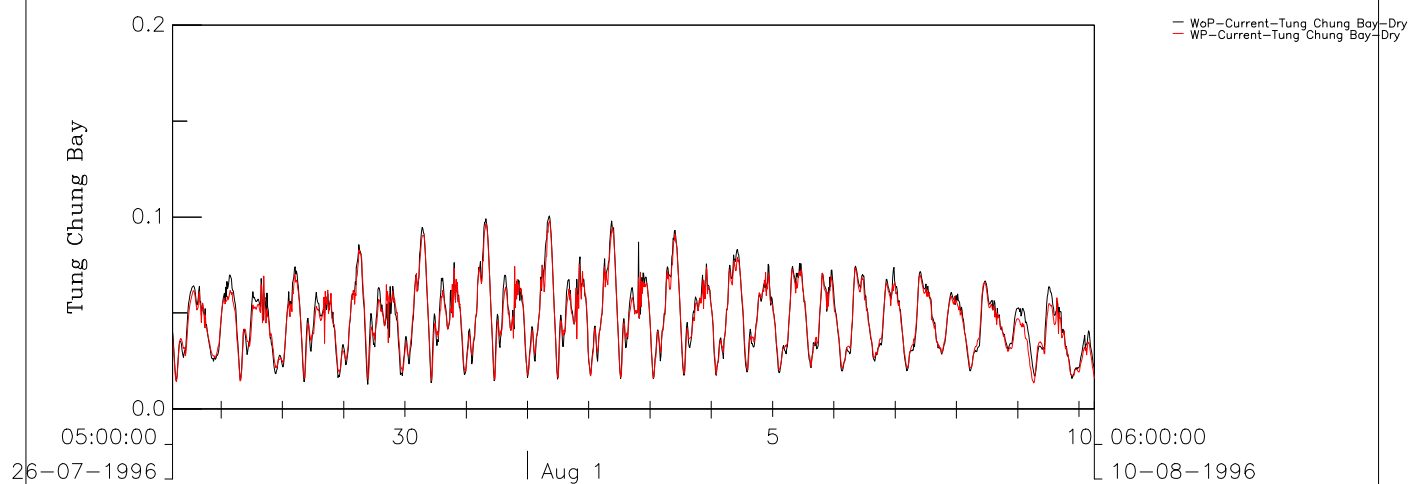
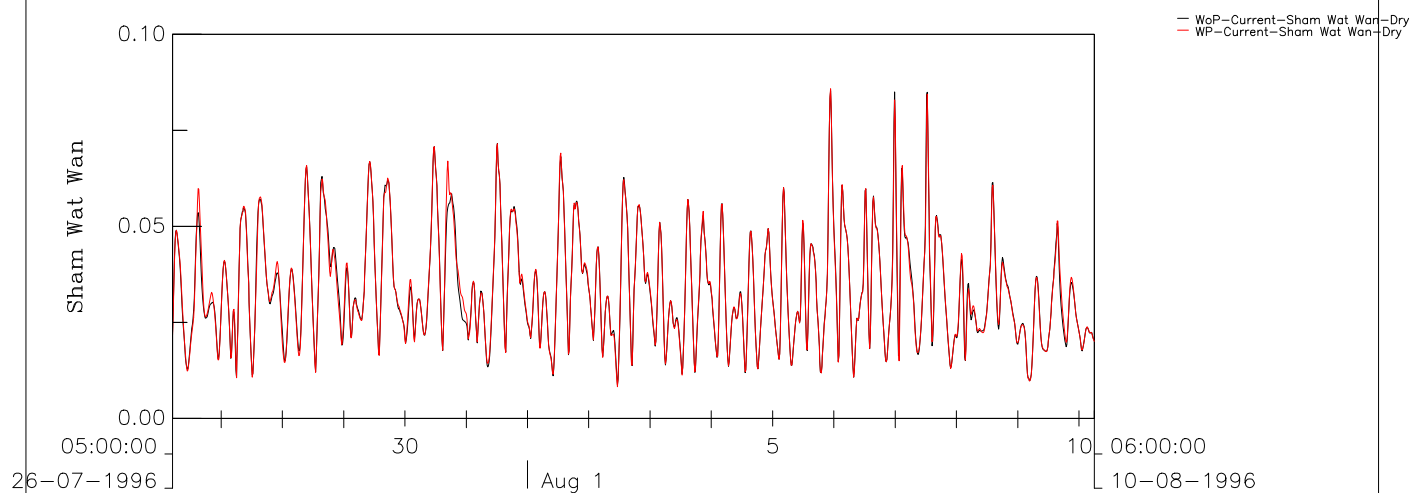
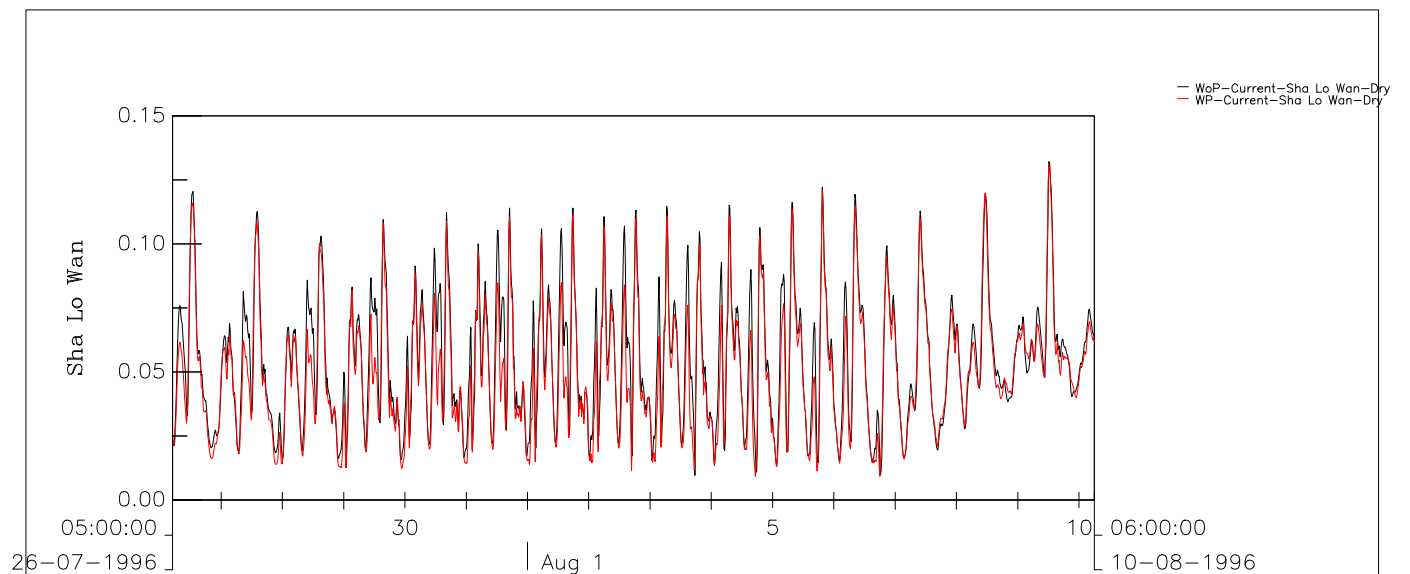


Total Salinity Flux (kg/s)  
Black – Without Project Scenario; Red – With Project Scenario

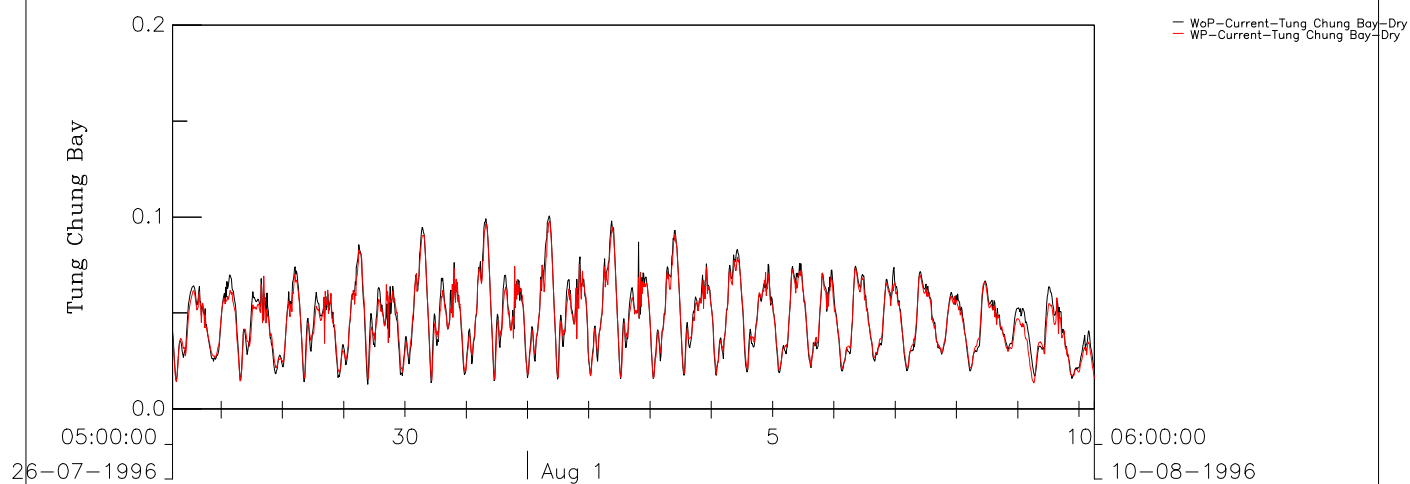
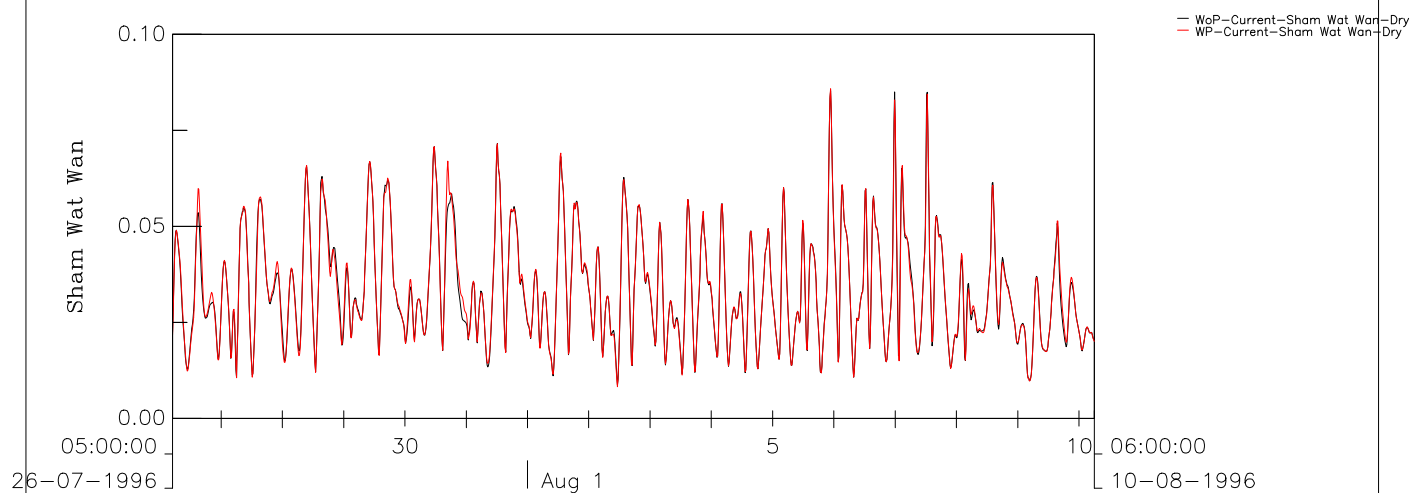
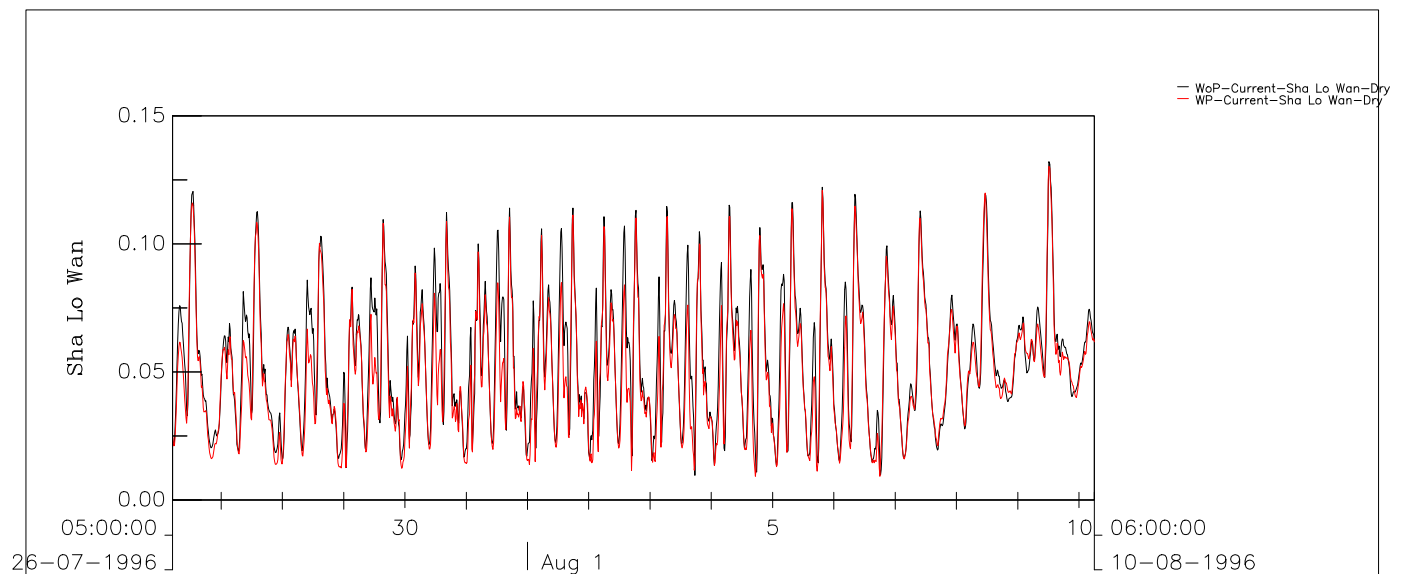
Dry Season

SF-Dry

Arup



Current (m/s) Black – Without Project Scenario; Red – With Project Scenario	Dry Season	
	Cur-Dry	
Arup		



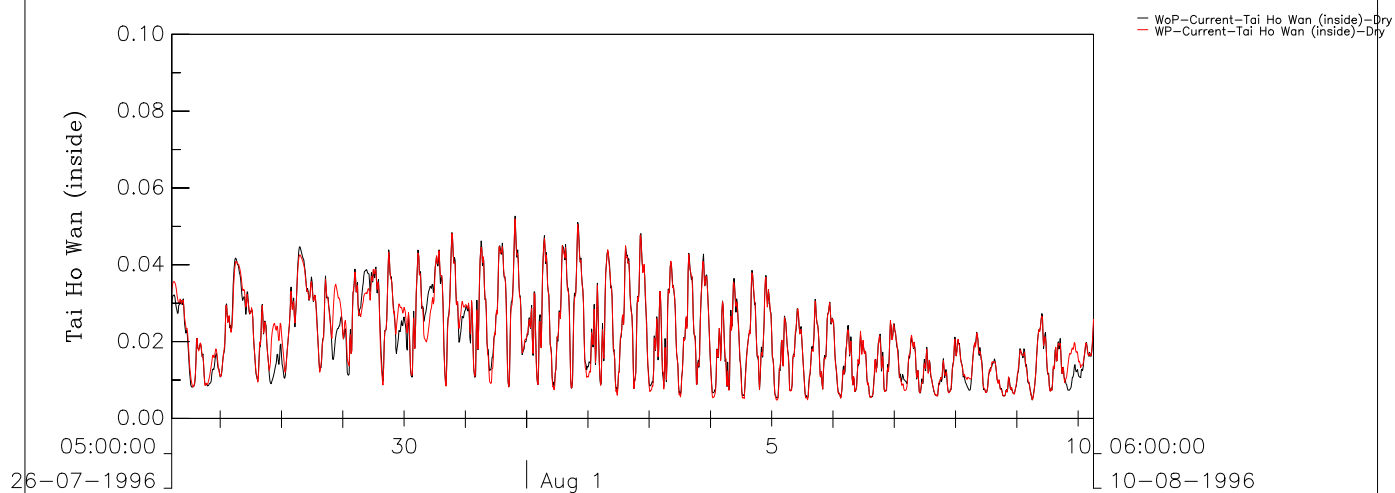
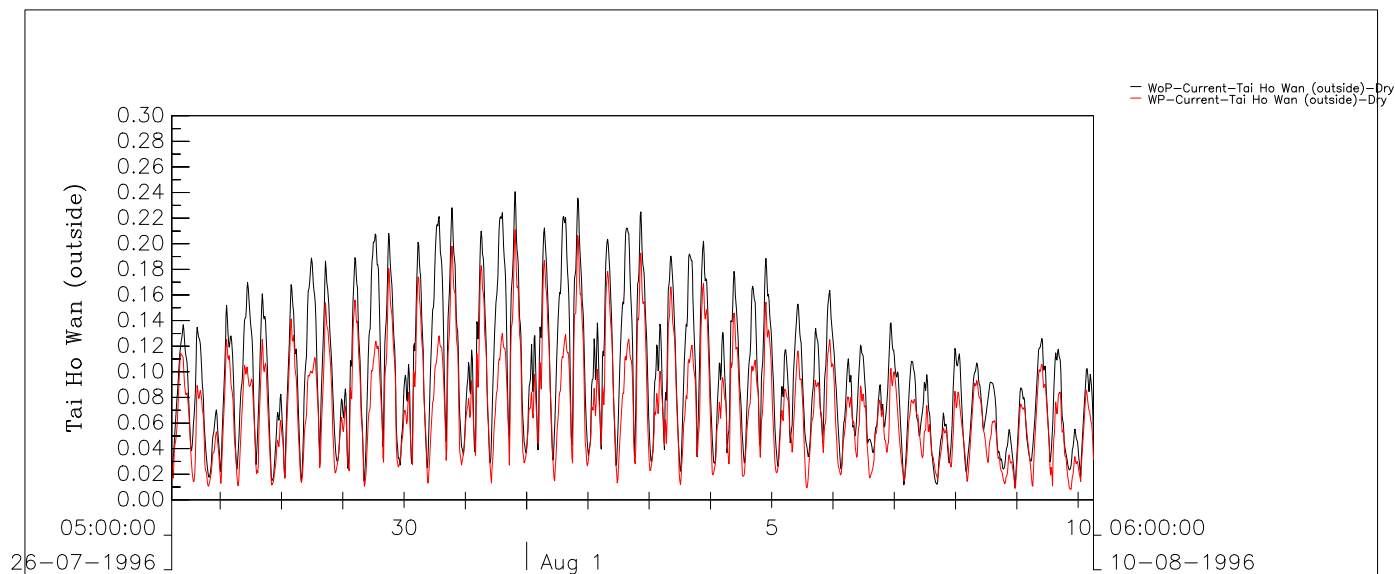
Current (m/s)

Black – Without Project Scenario; Red – With Project Scenario

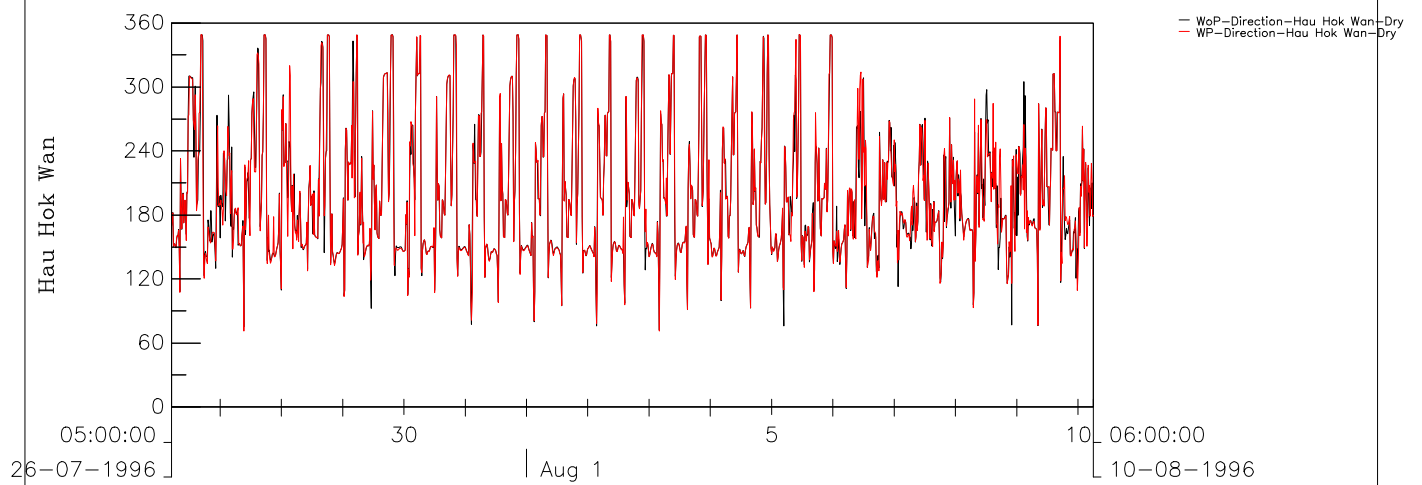
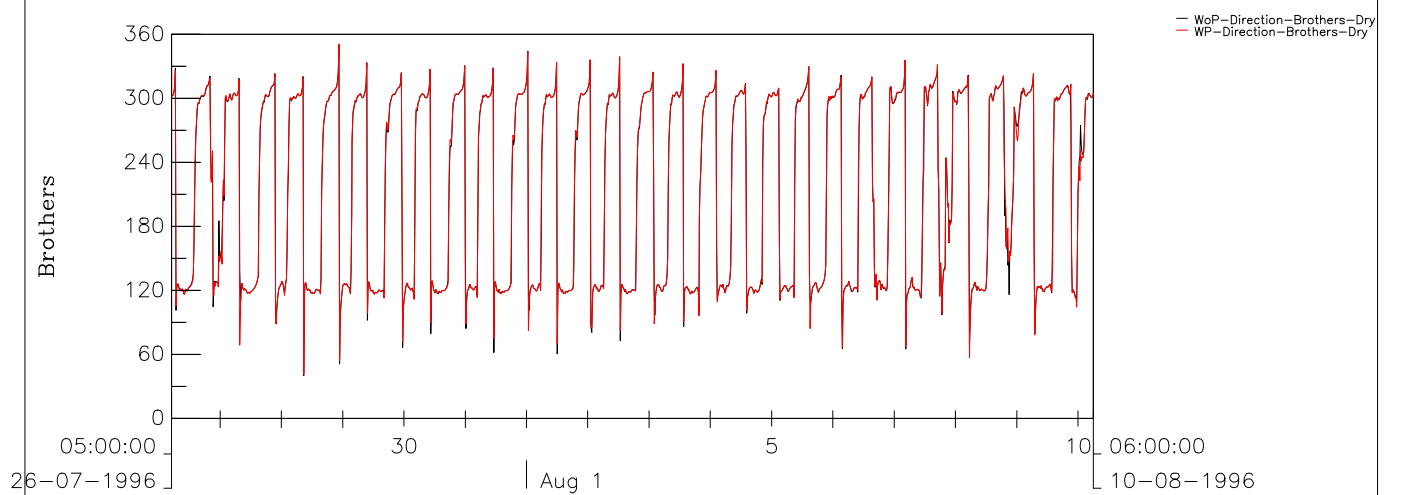
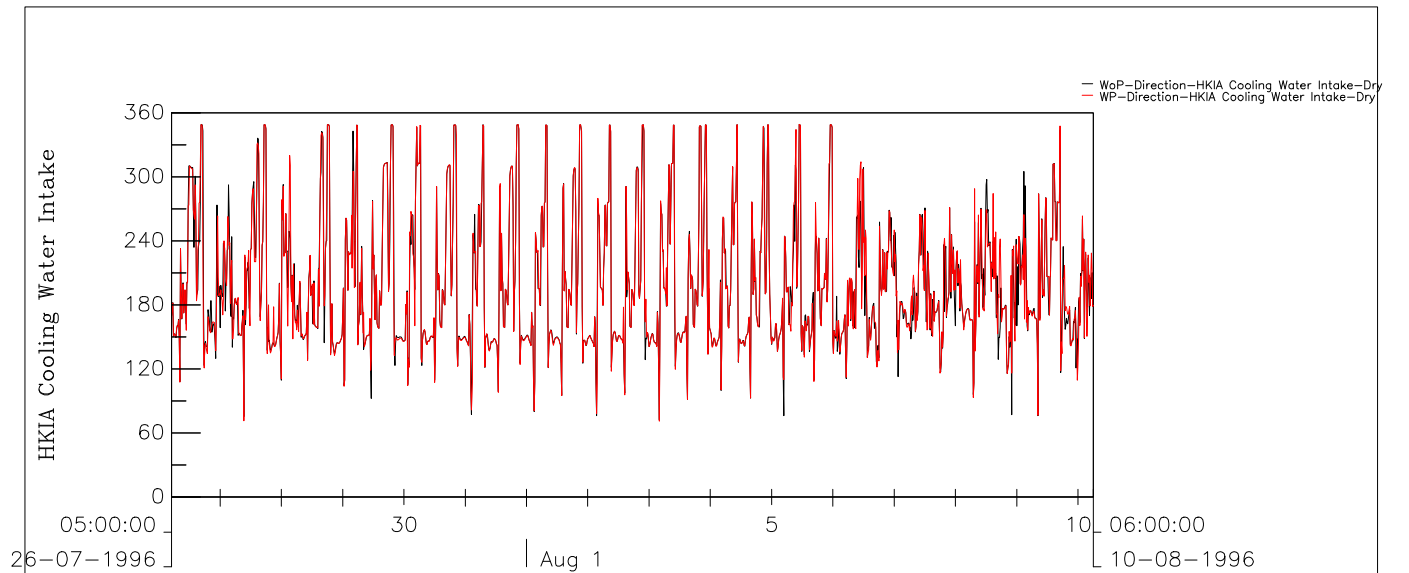
Dry Season

Cur-Dry

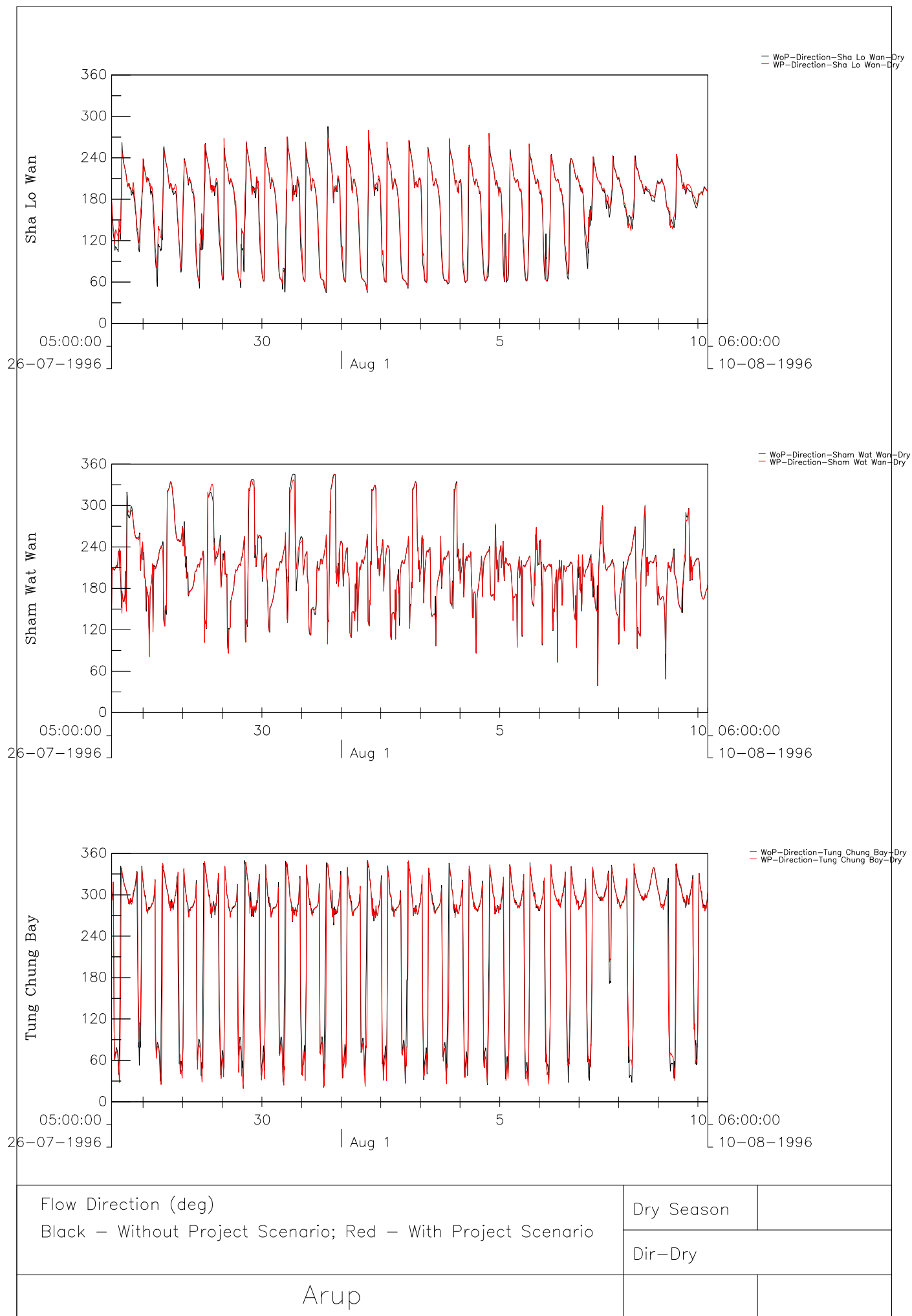
Arup

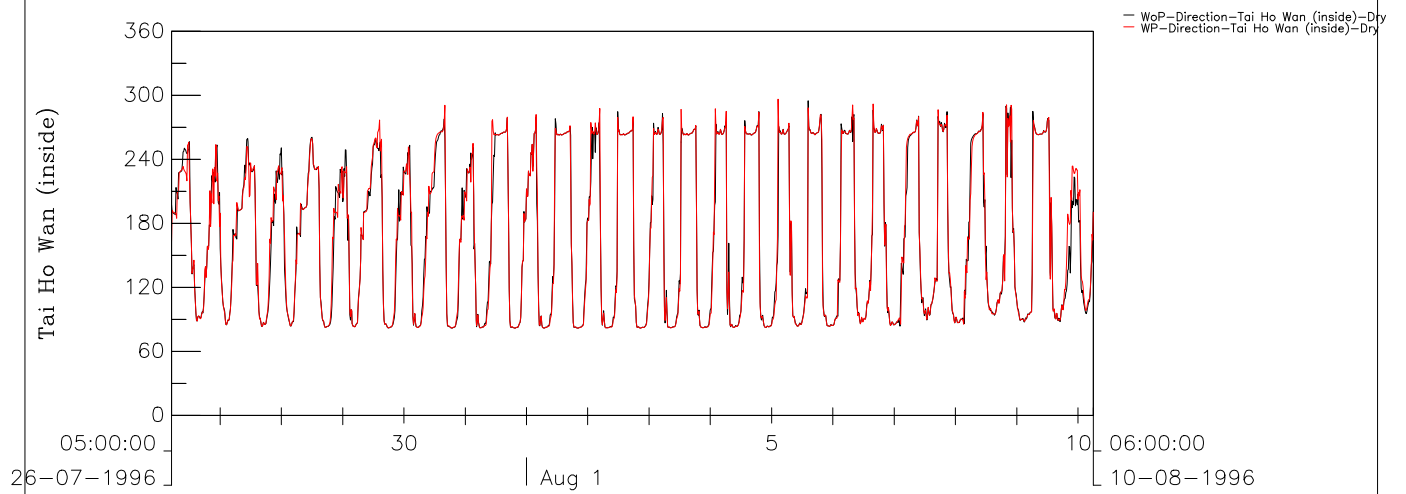
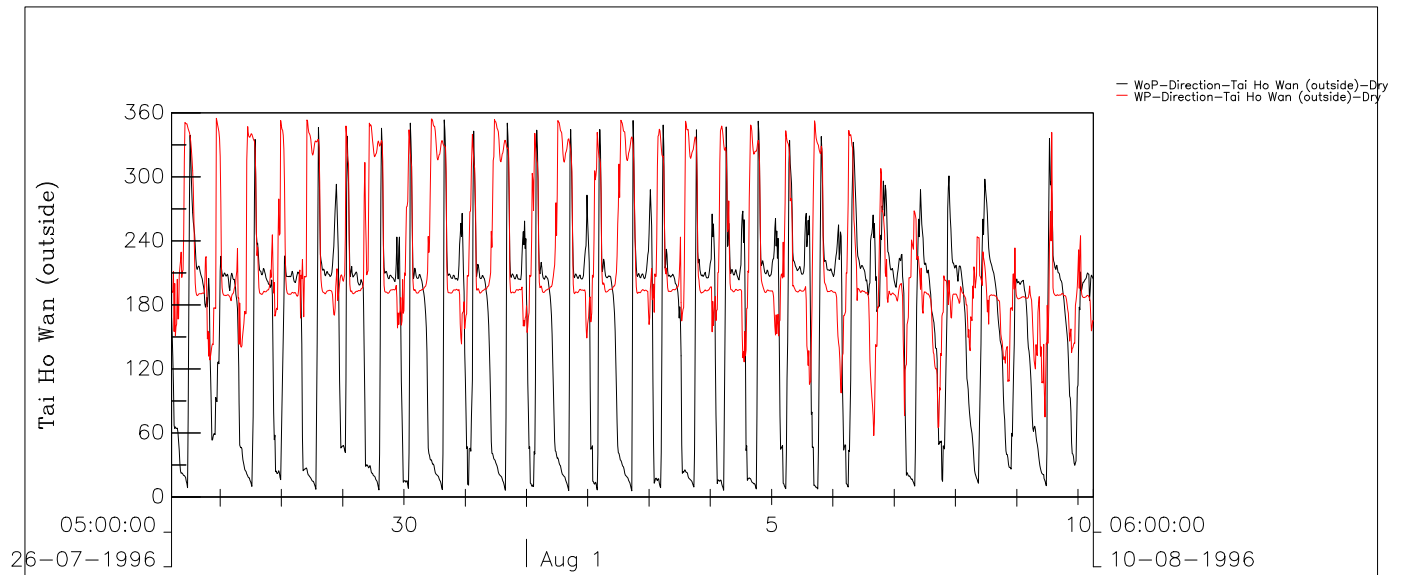


Current (m/s) Black – Without Project Scenario; Red – With Project Scenario	Dry Season	
	Cur-Dry	
Arup		



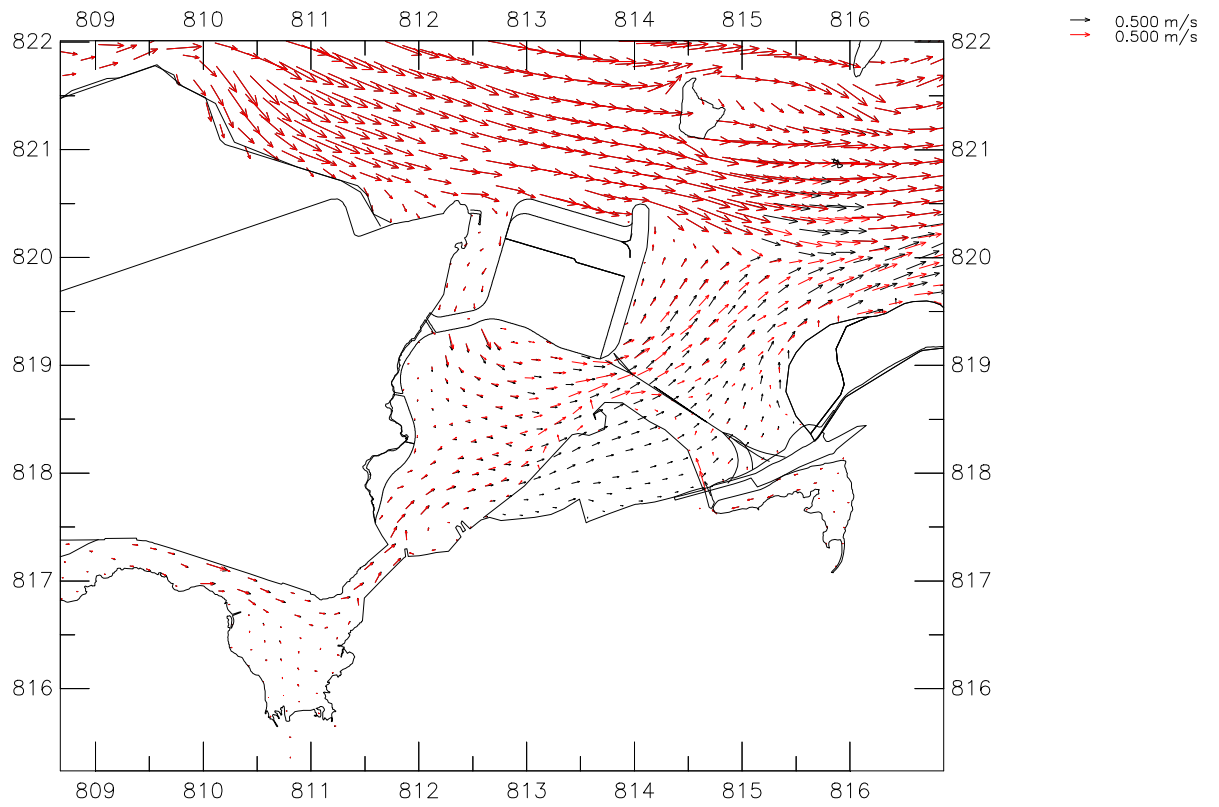
Flow Direction (deg) Black – Without Project Scenario; Red – With Project Scenario	Dry Season	
	Dir-Dry	
Arup		



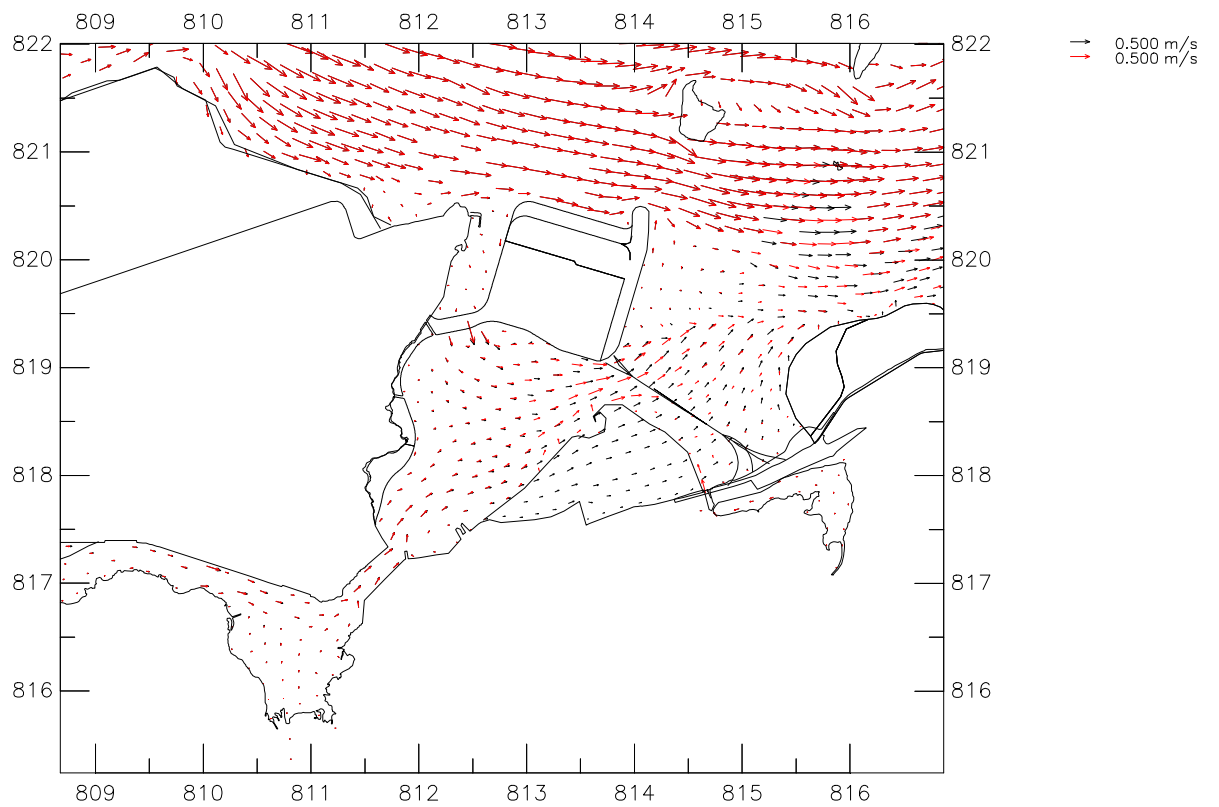


Flow Direction (deg) Black – Without Project Scenario; Red – With Project Scenario	Dry Season	
	Dir-Dry	
Arup		

Surface Layer



Bottom Layer



Velocity Vectors during Ebb Tide  
Black – Without Project Scenario; Red – With Project Scenario

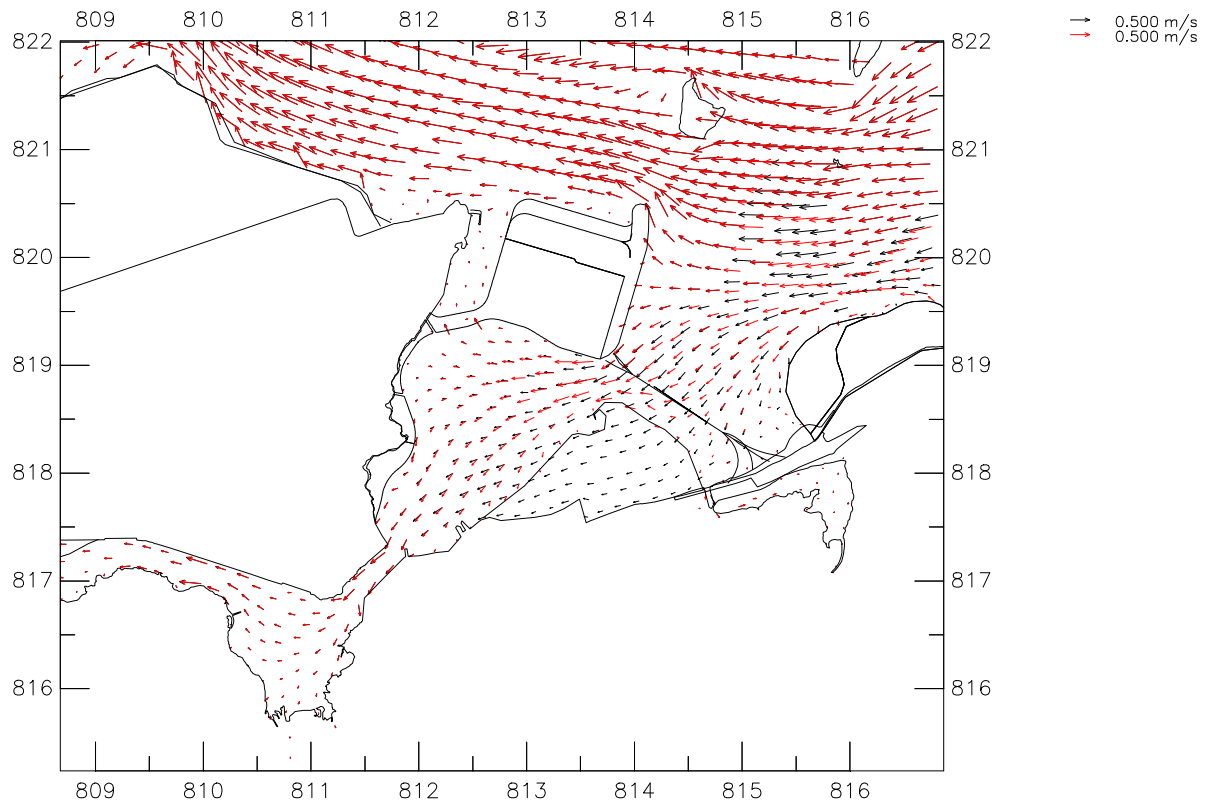
Dry Season

VE–Dry

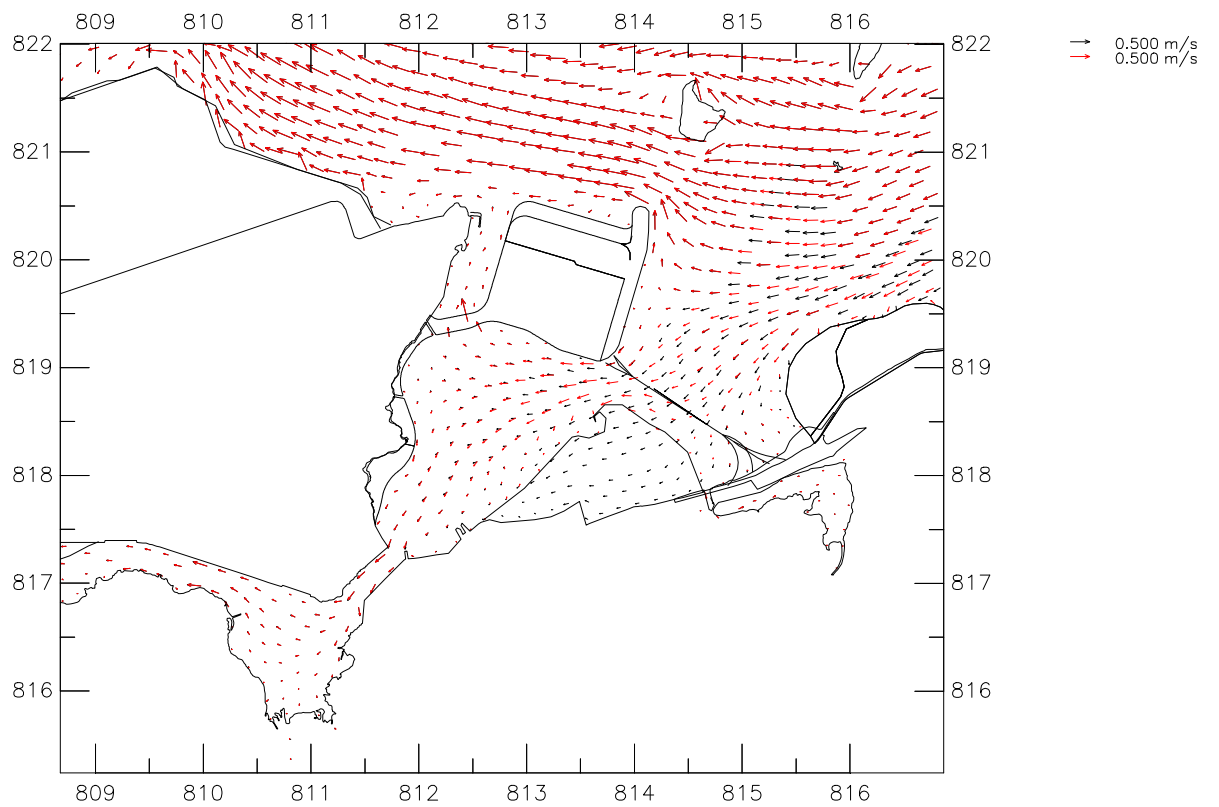
Arup



Surface Layer



Bottom Layer



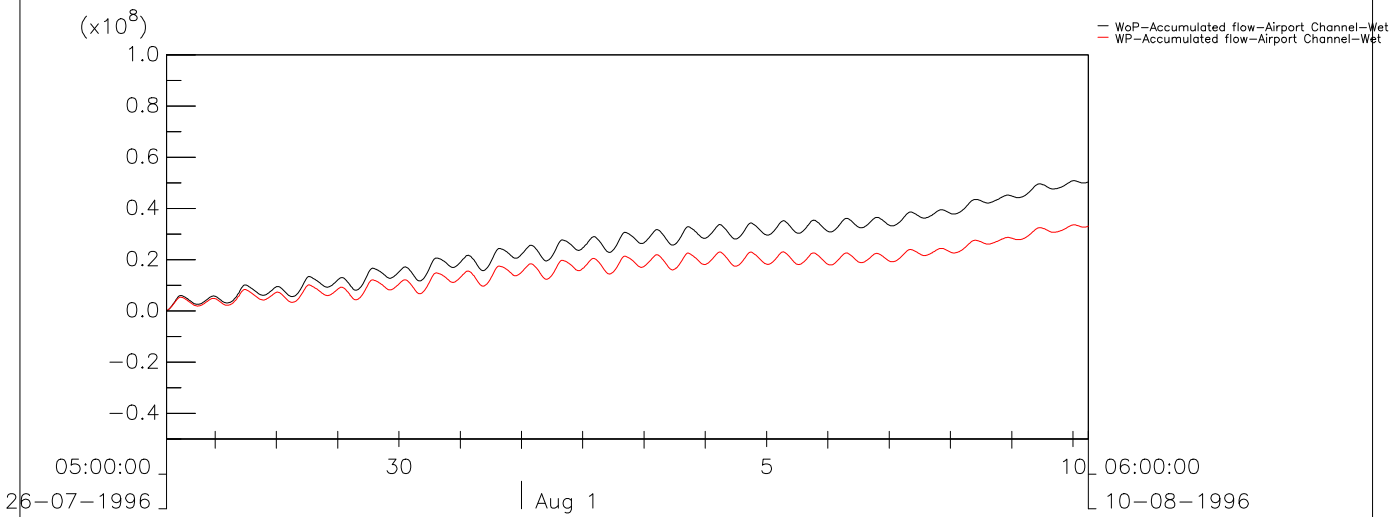
Velocity Vectors during Flood Tide  
Black – Without Project Scenario; Red – With Project Scenario

Dry Season

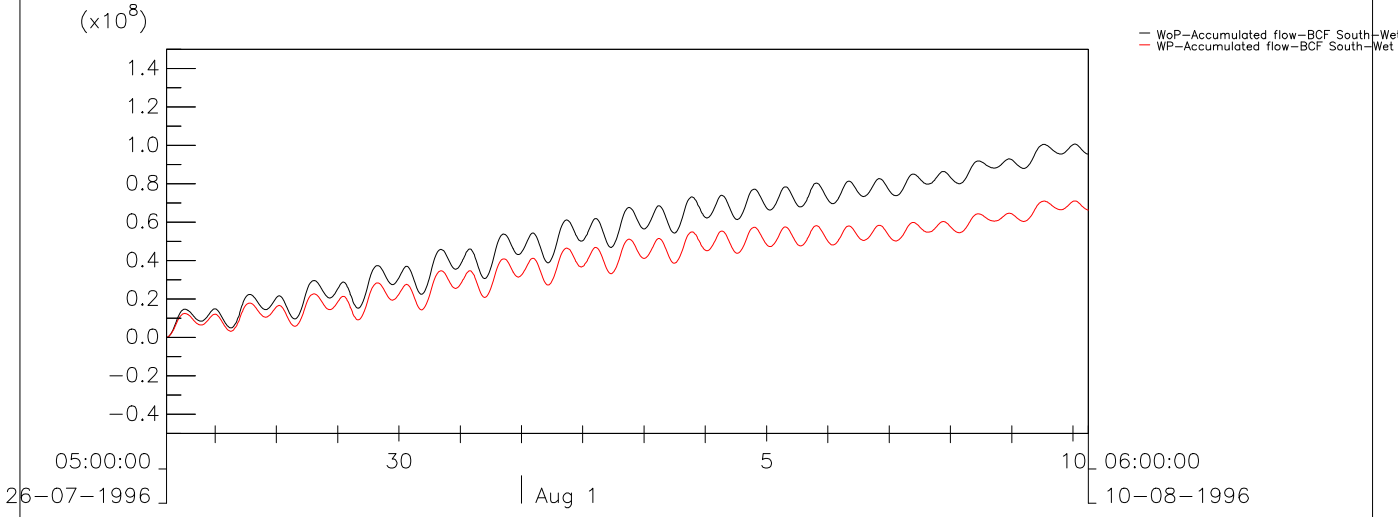
VF–Dry

Arup

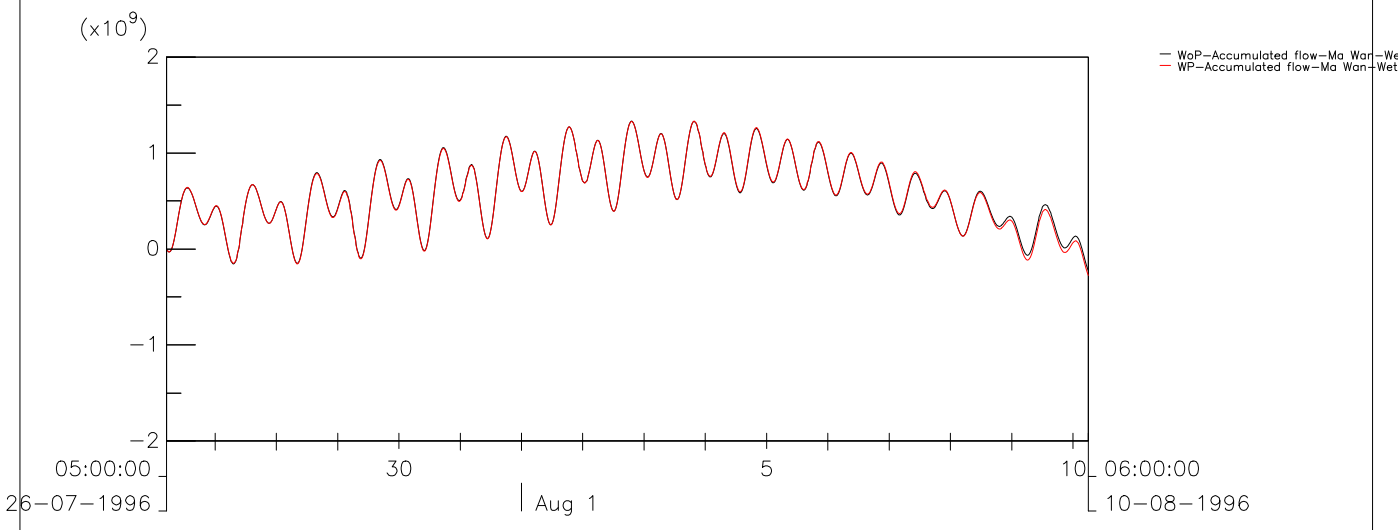
Airport Channel



BCF South



Ma Wan

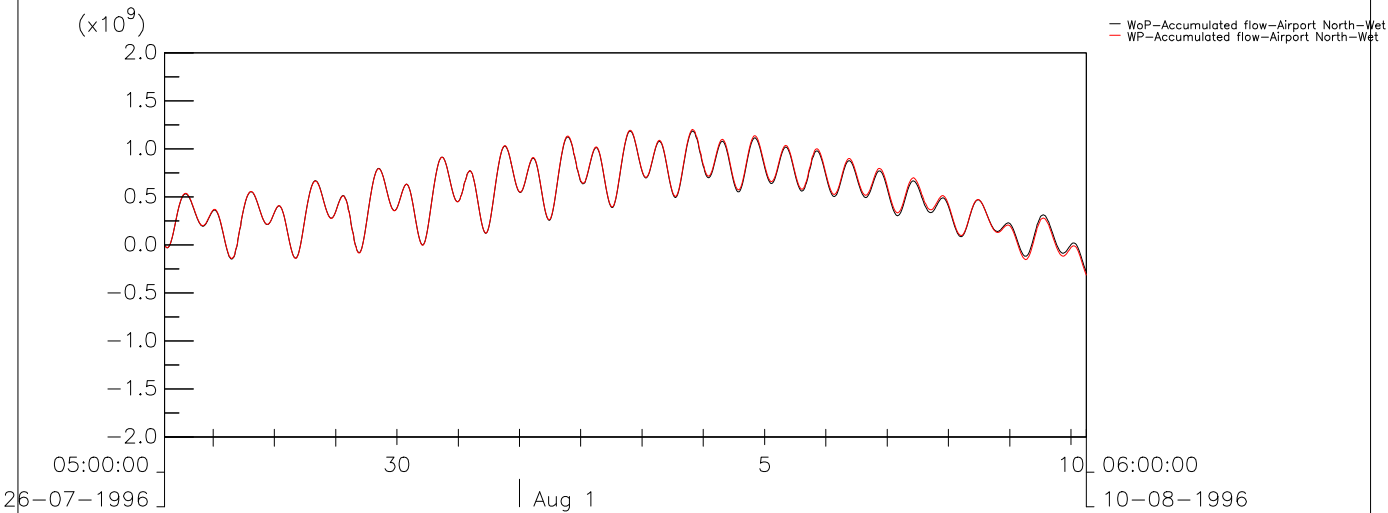


Accumulated Flow (m3)  
Black – Without Project Scenario; Red – With Project Scenario

Wet Season	
AF—Wet	

Arup

Airport North

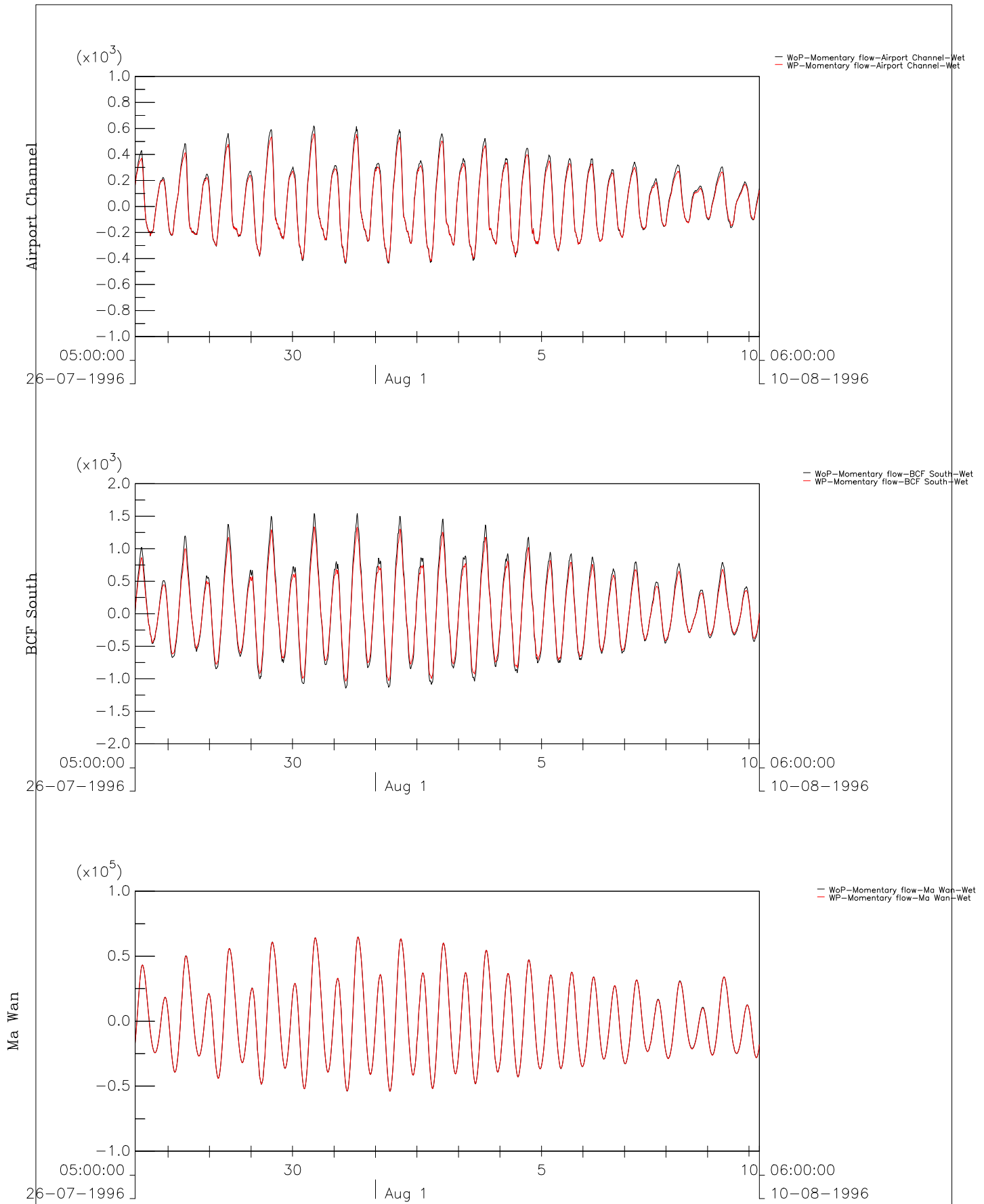


Accumulated Flow (m3)  
Black – Without Project Scenario; Red – With Project Scenario

Wet Season

AF—Wet

Arup

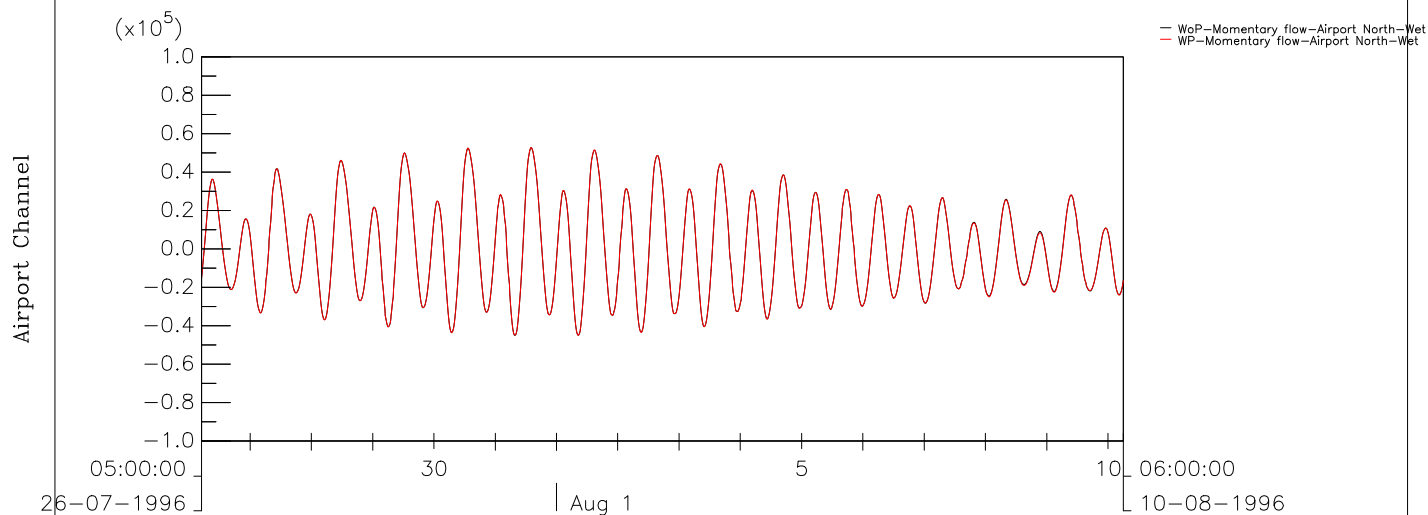


Momentary Flow (m<sup>3</sup>/s)  
Black – Without Project Scenario; Red – With Project Scenario

Wet Season

MF–Wet

Arup



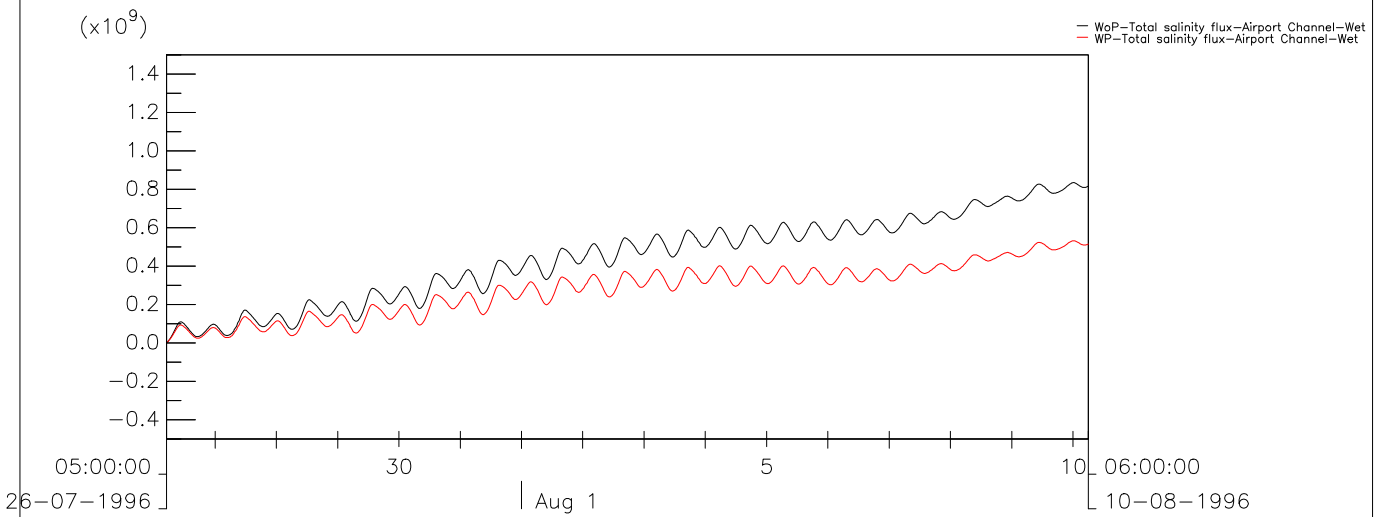
Momentary Flow (m<sup>3</sup>/s)  
 Black – Without Project Scenario; Red – With Project Scenario

Wet Season

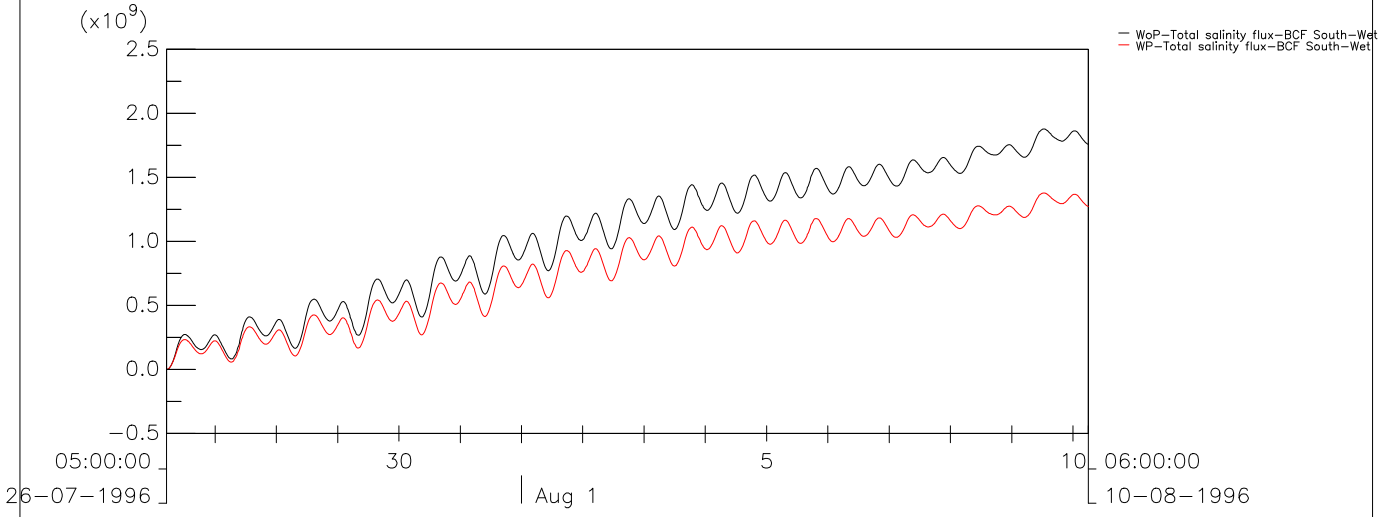
MF–Wet

Arup

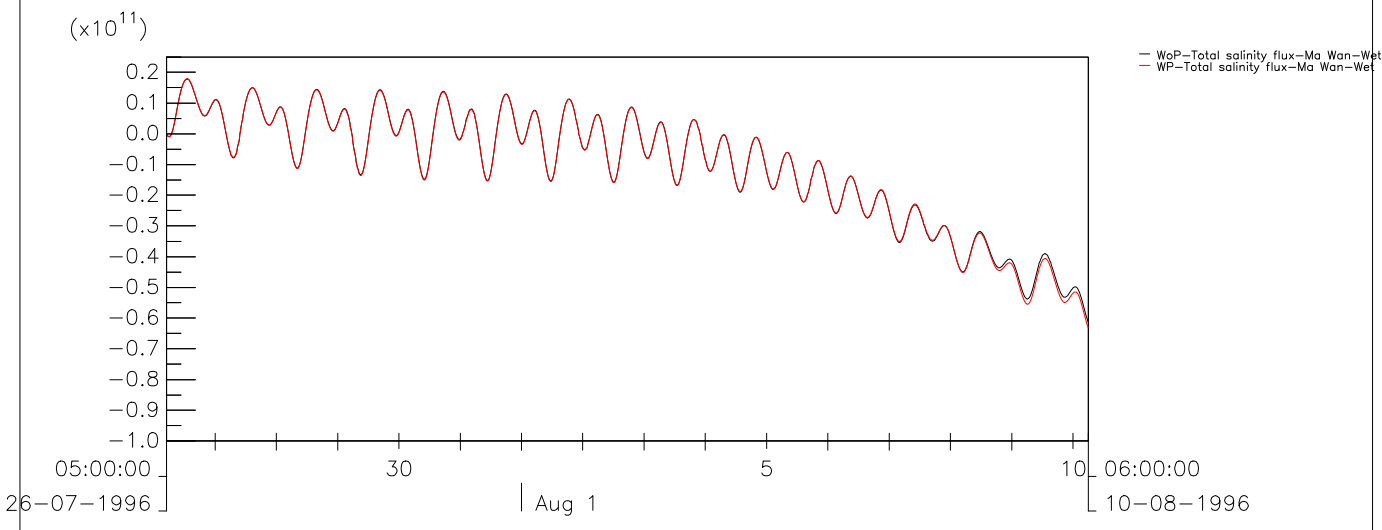
Airport Channel



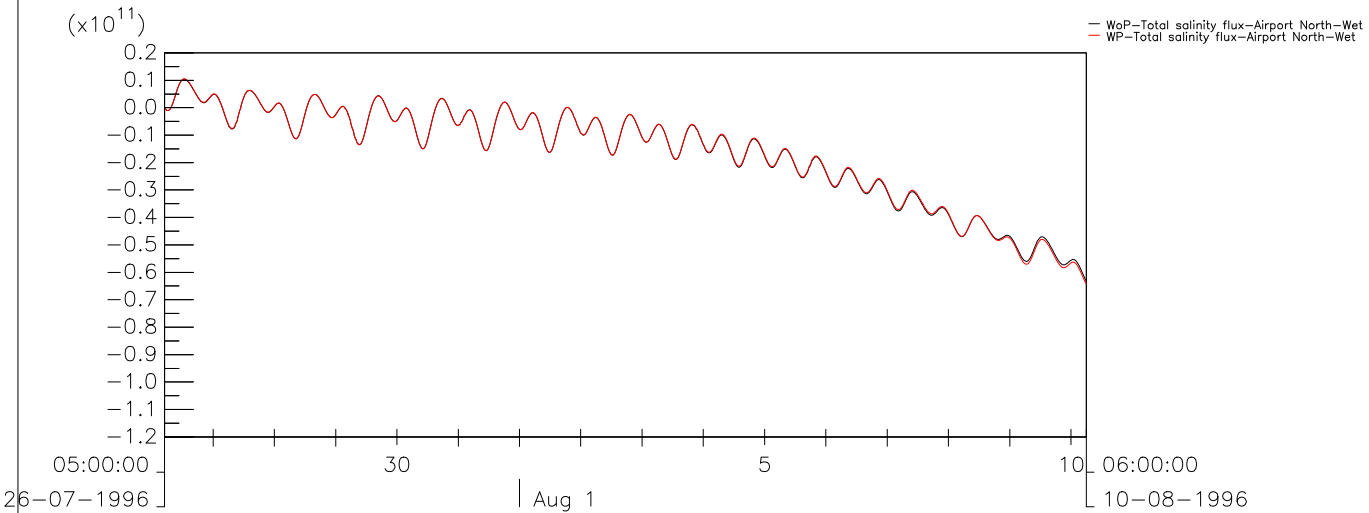
BCF South



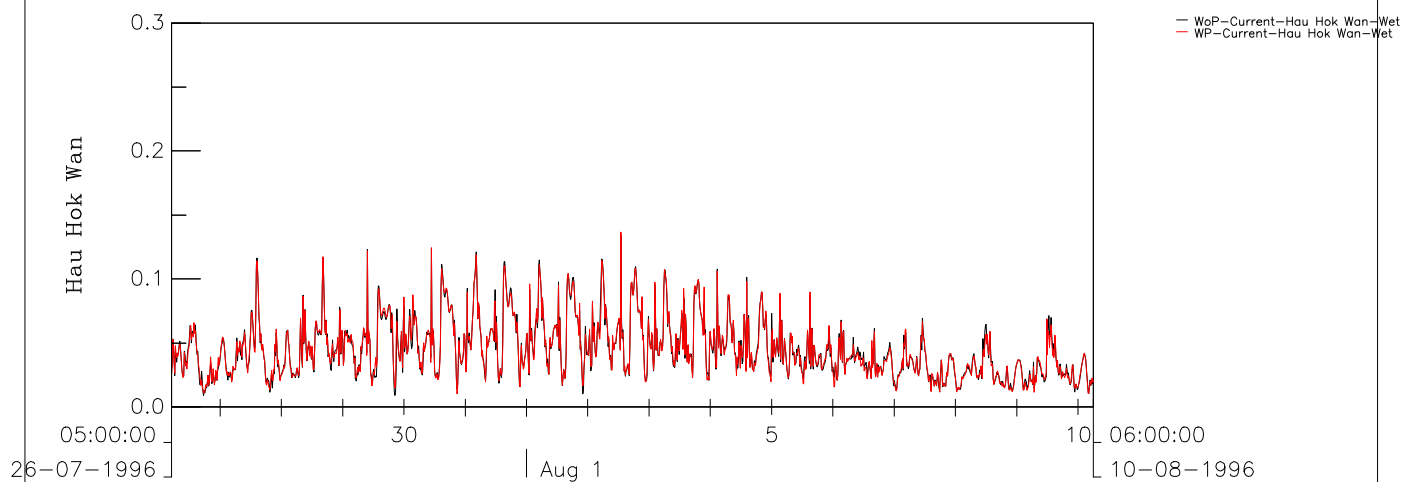
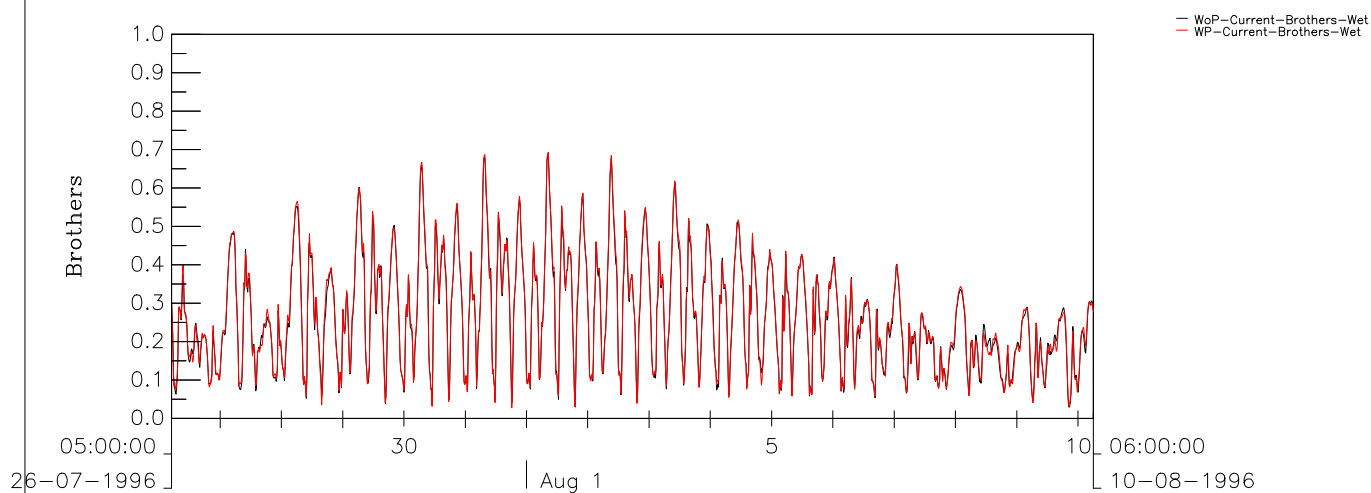
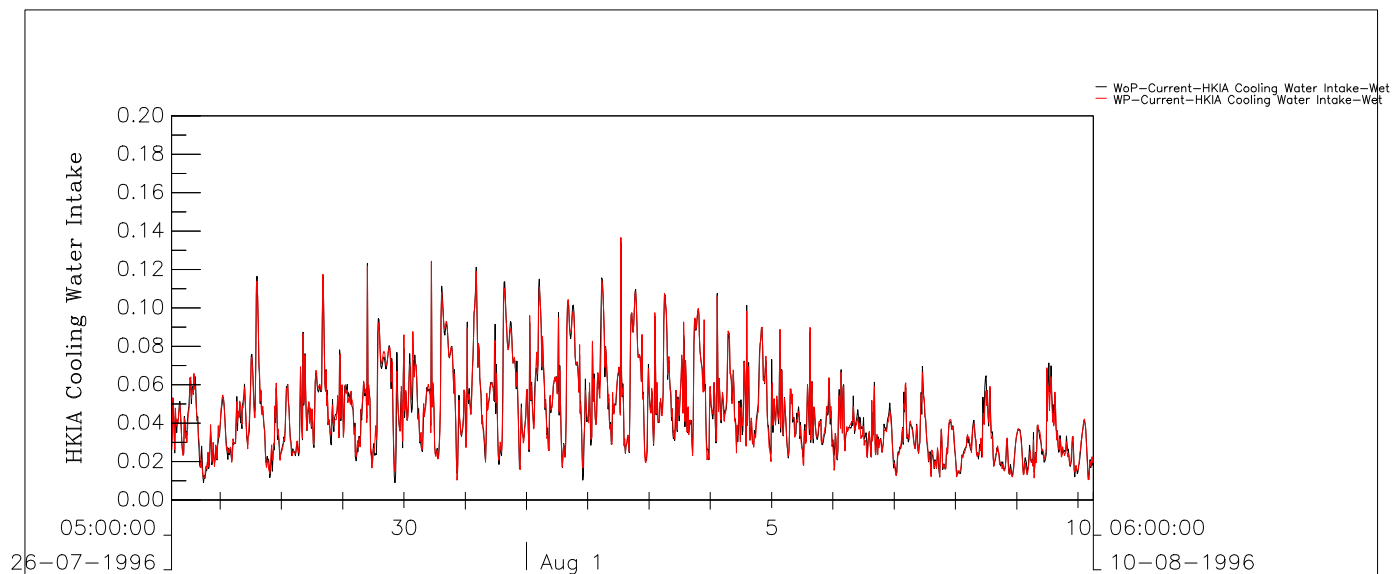
Ma Wan



Total Salinity Flux (kg/s) Black – Without Project Scenario; Red – With Project Scenario	Wet Season	
	SF—Wet	
Arup		

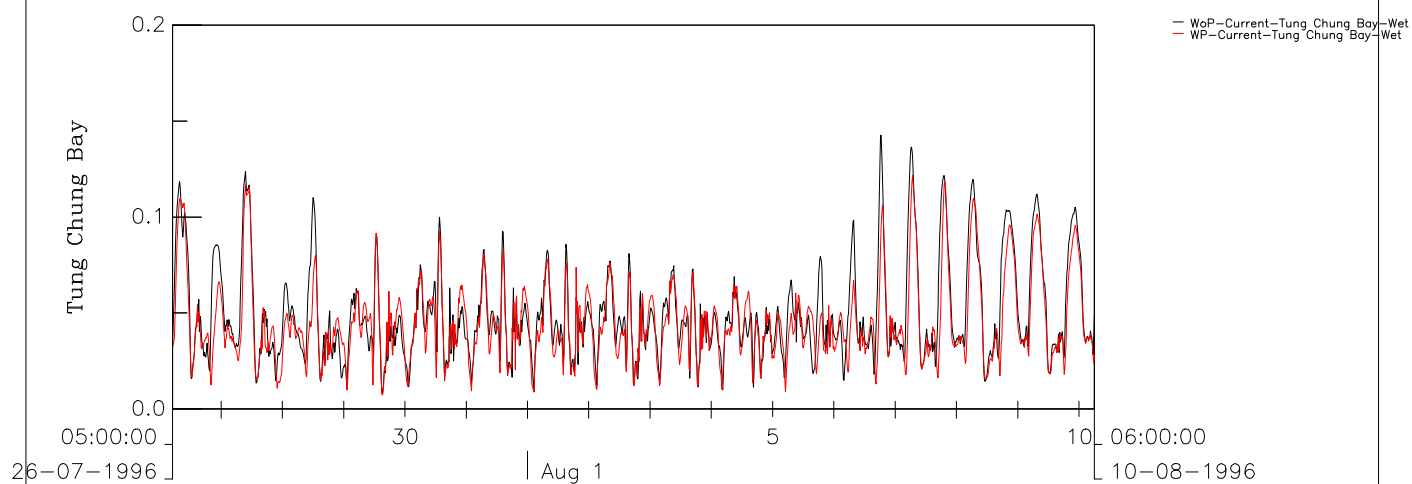
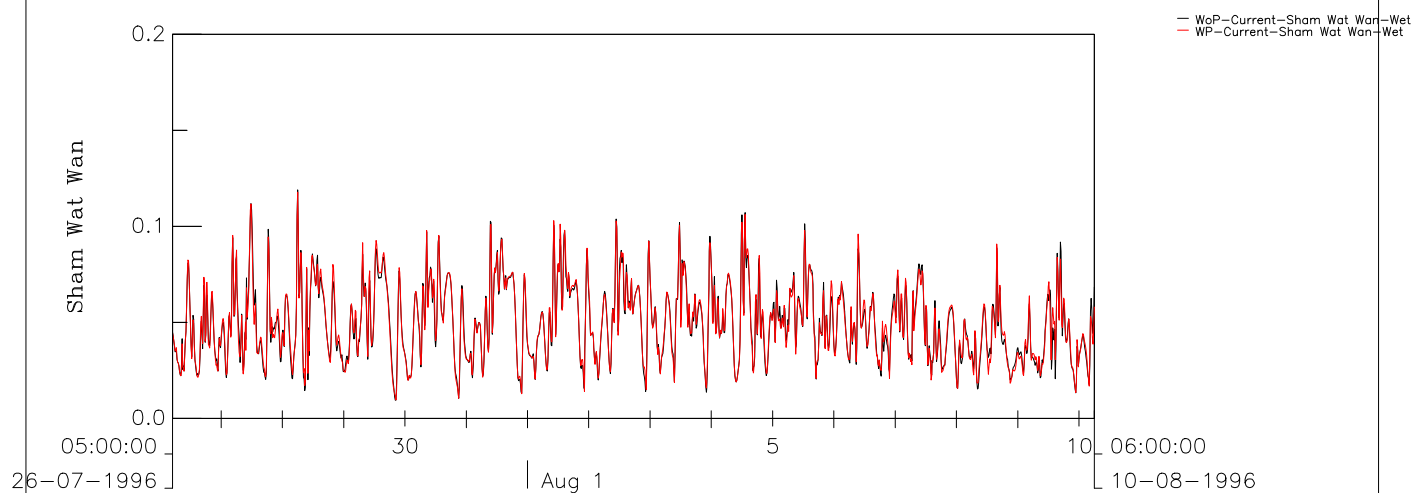
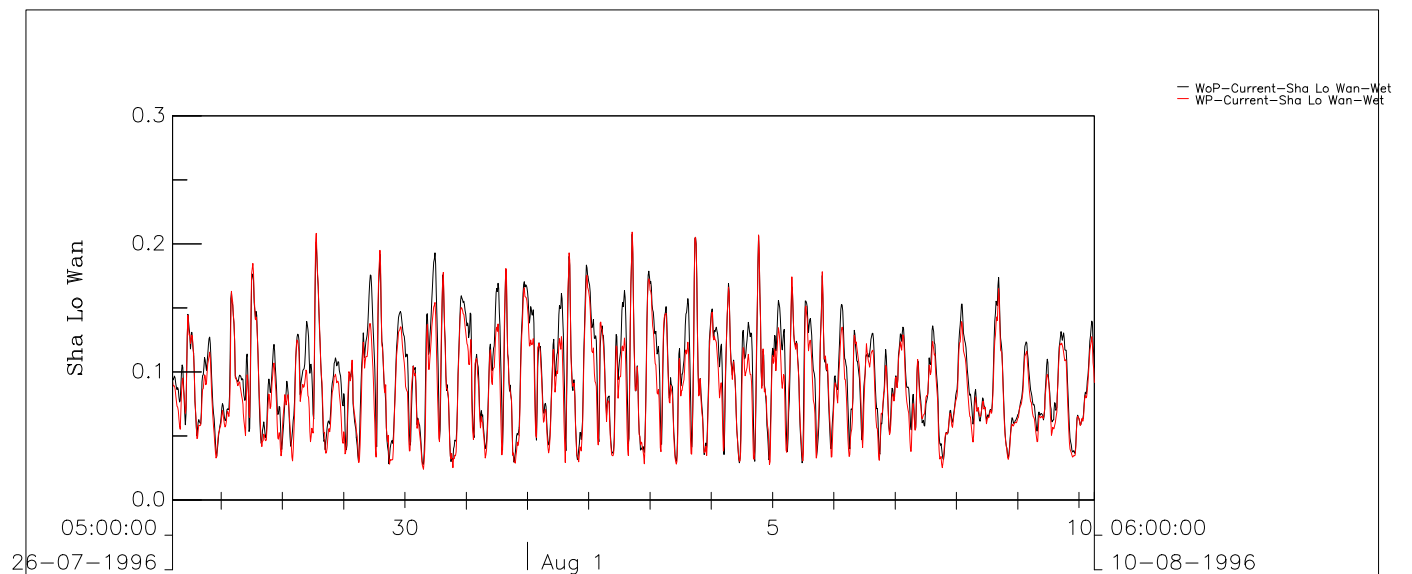


Total Salinity Flux (kg/s) Black – Without Project Scenario; Red – With Project Scenario	Wet Season	
	SF-Wet	
Arup		

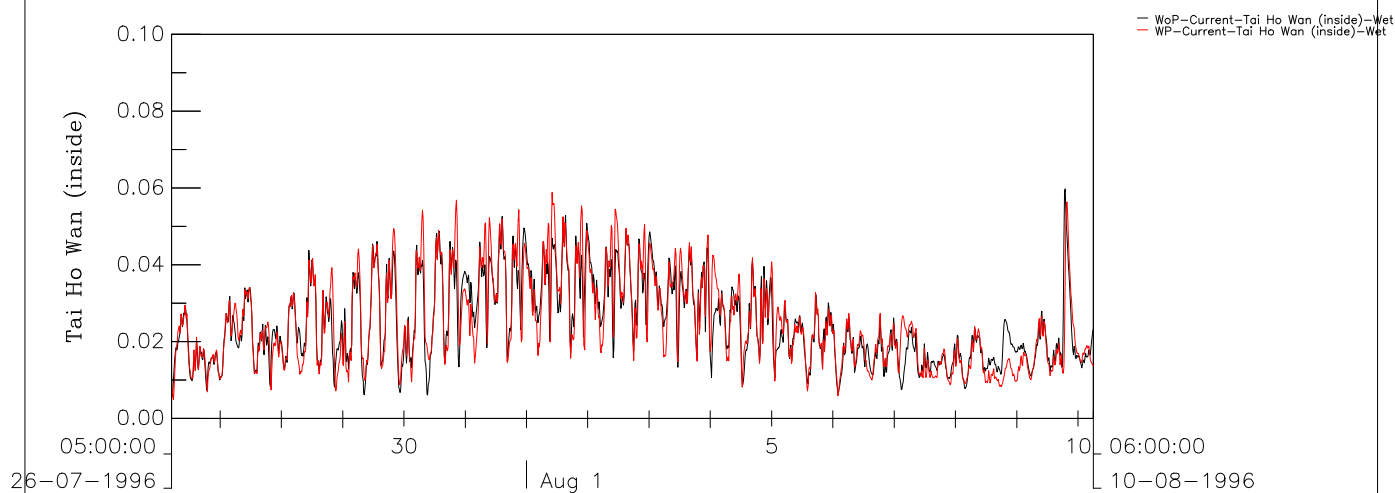
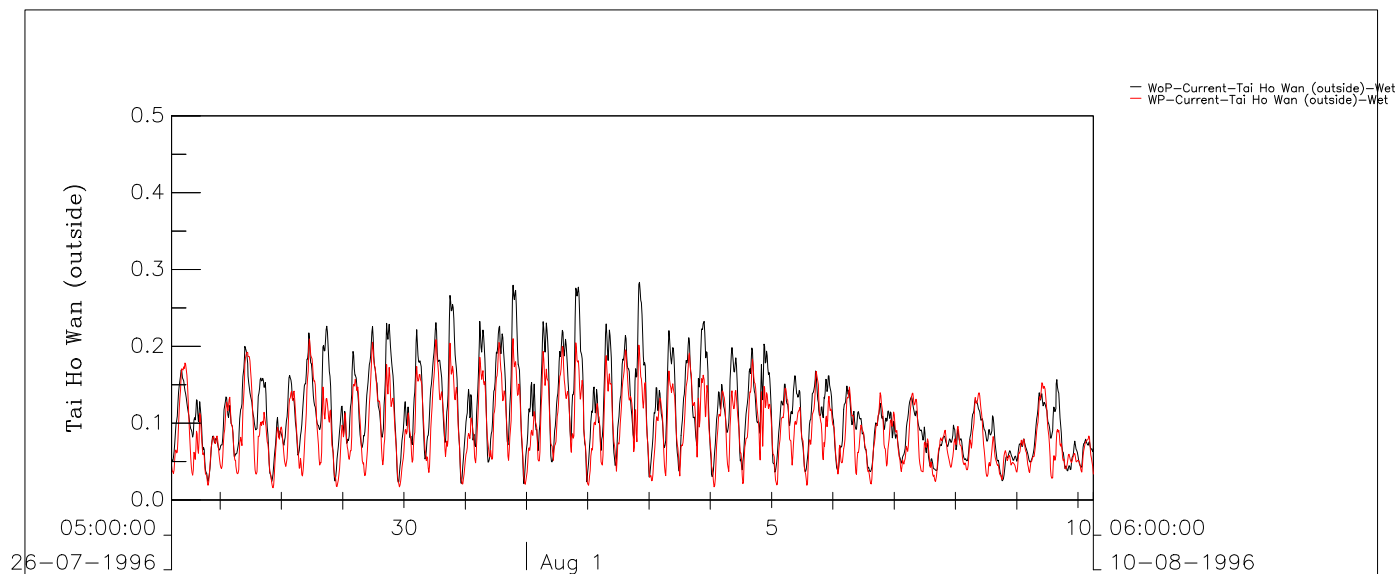


Current (m/s) Black – Without Project Scenario; Red – With Project Scenario	Wet Season	
	Cur-Wet	
Arup		

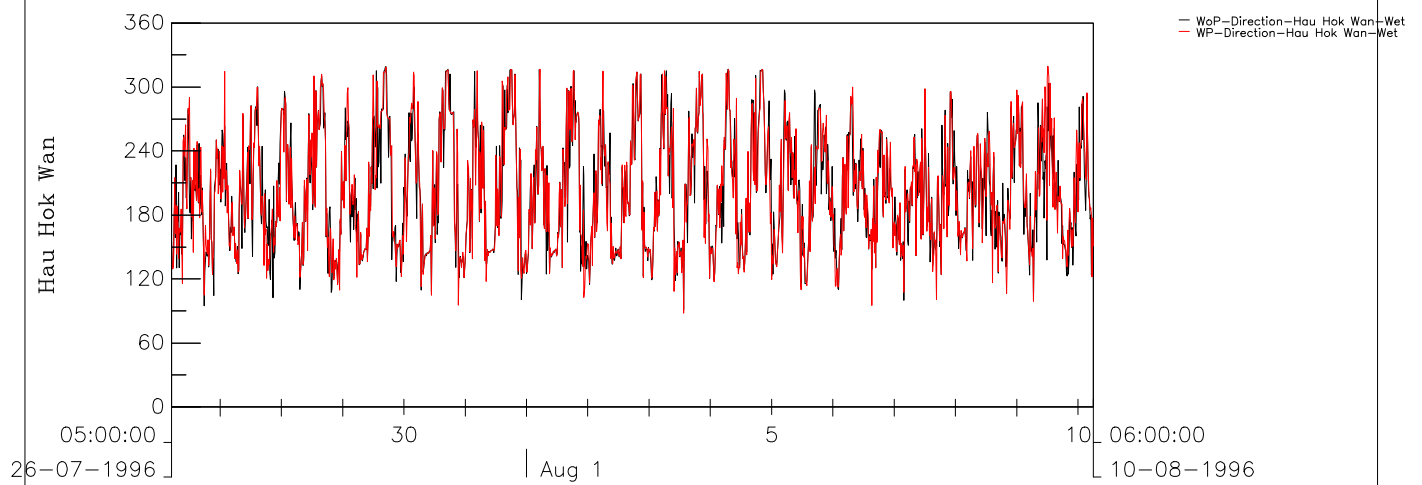
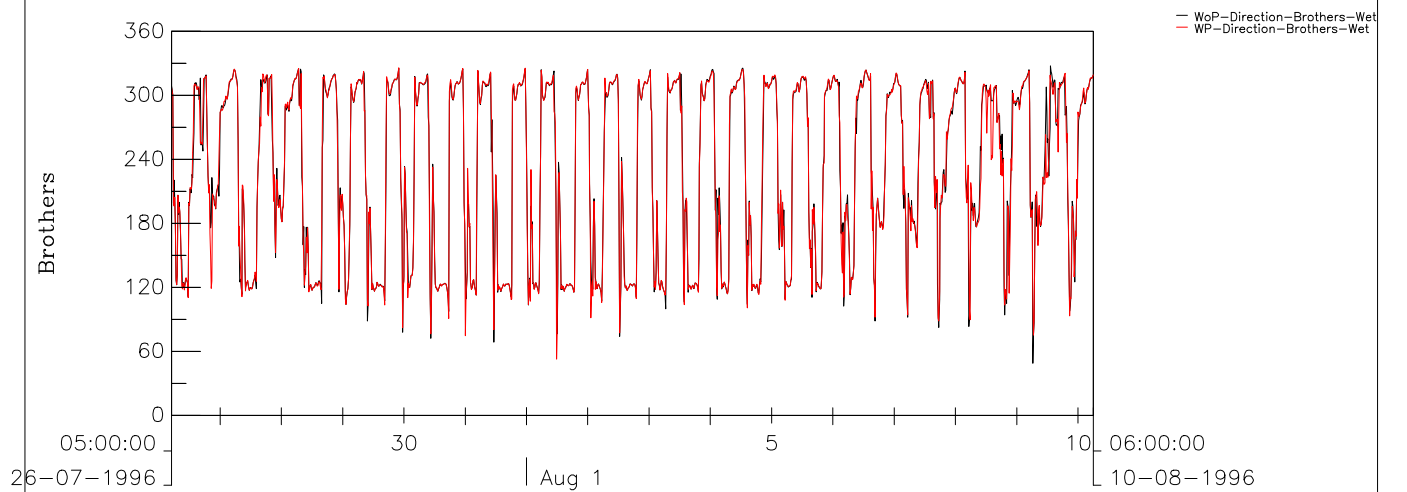
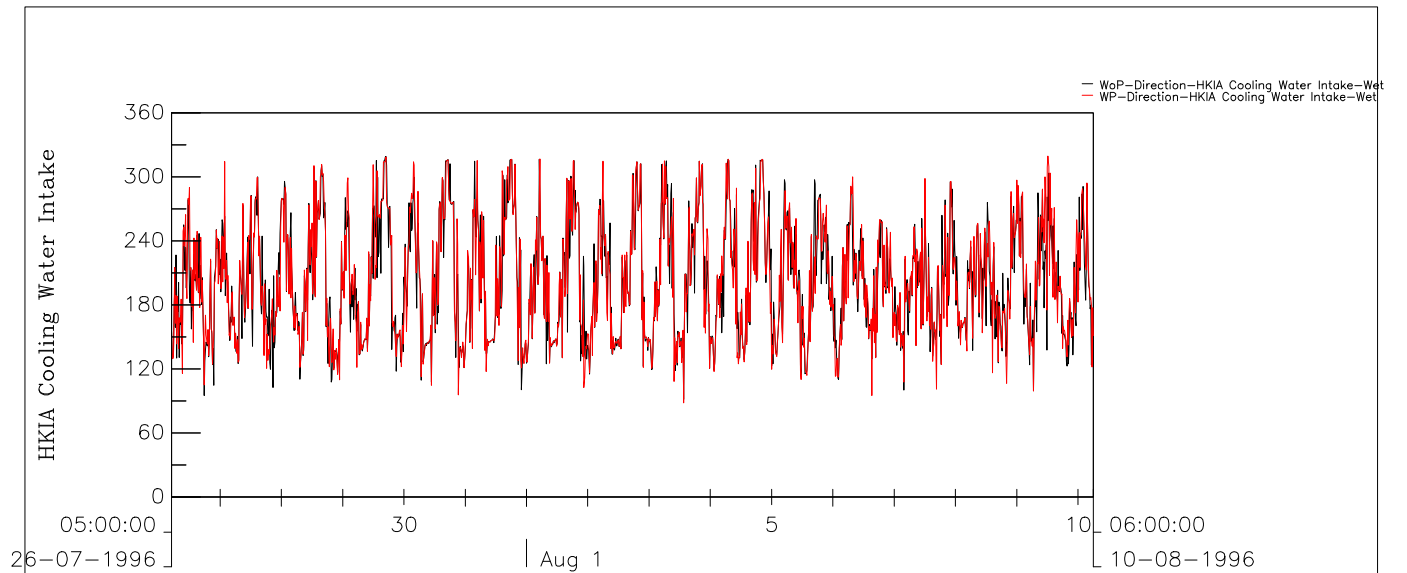




Current (m/s) Black – Without Project Scenario; Red – With Project Scenario	Wet Season	
	Cur-Wet	
Arup		



Current (m/s) Black – Without Project Scenario; Red – With Project Scenario	Wet Season	
	Cur-Wet	
Arup		

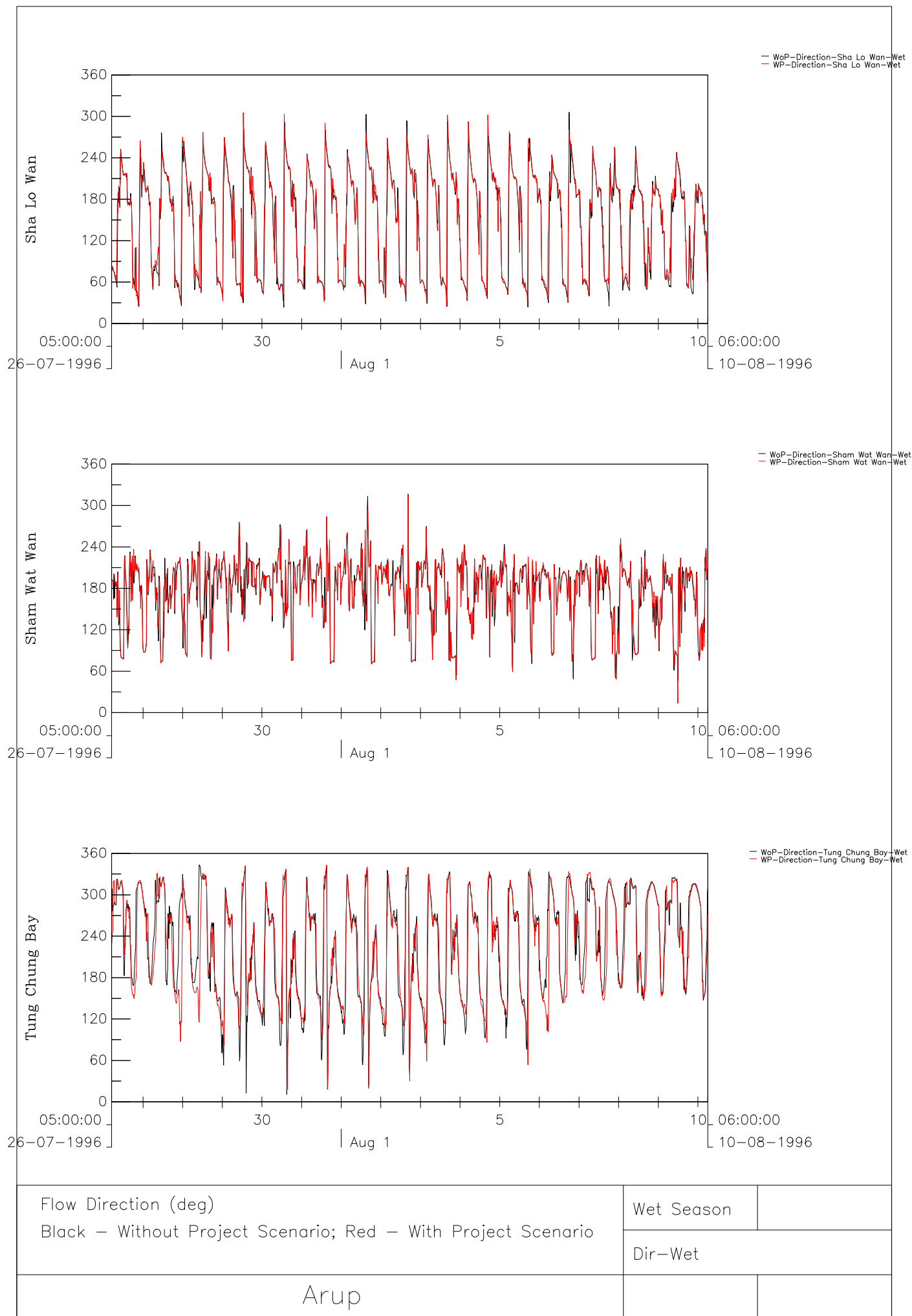


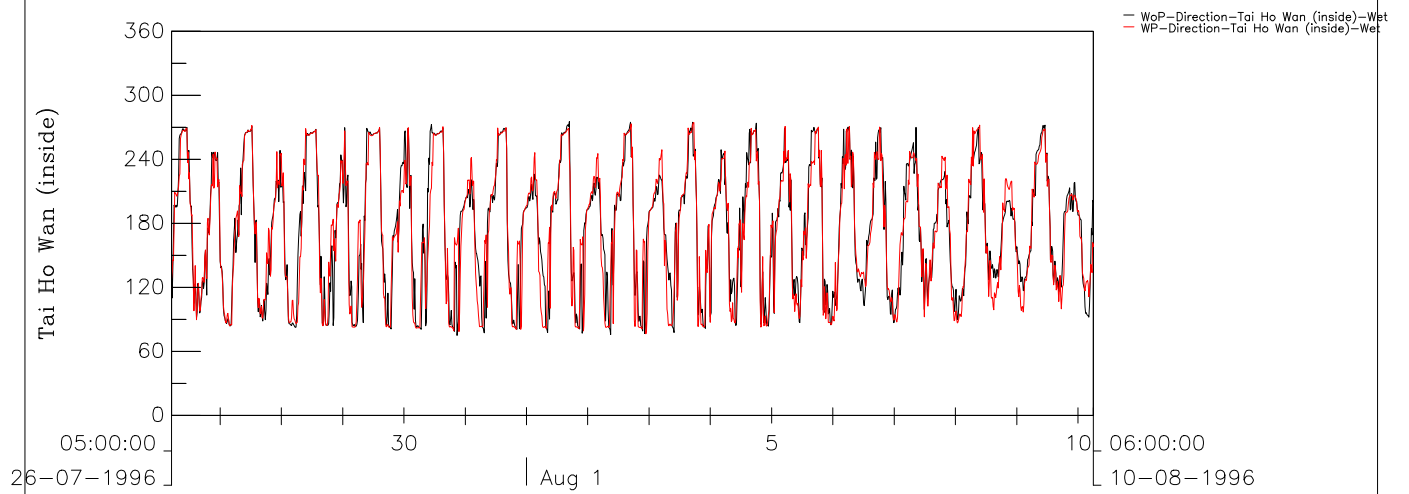
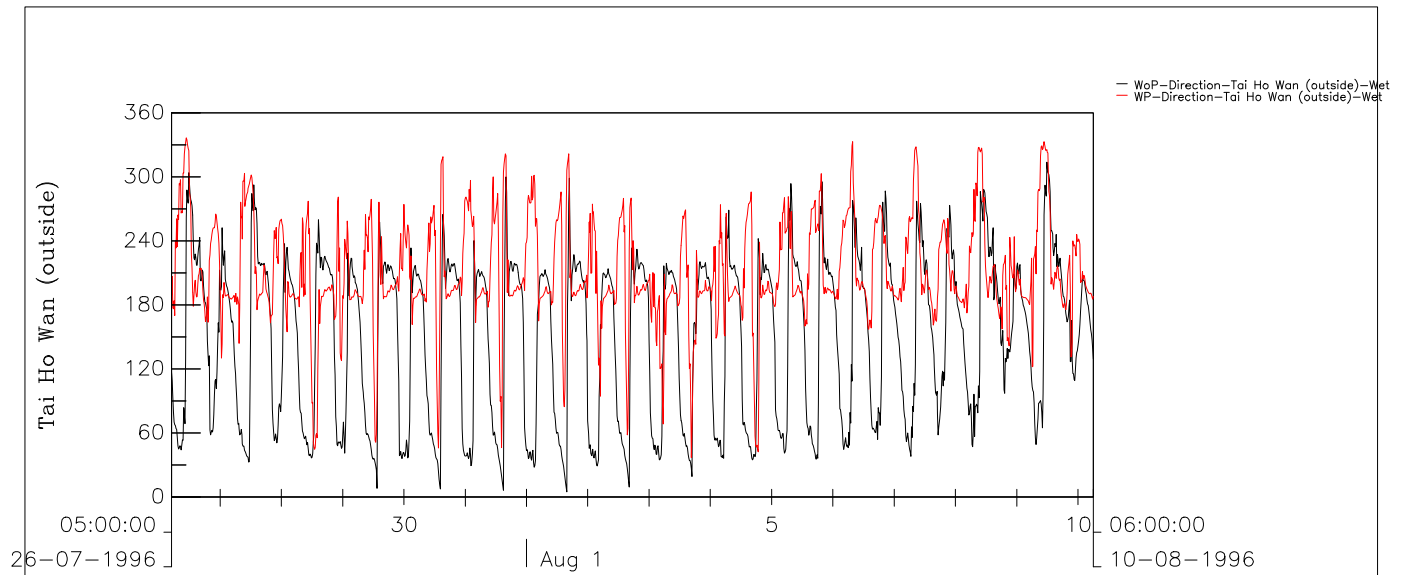
Flow Direction (deg)  
Black – Without Project Scenario; Red – With Project Scenario

Wet Season

Dir-Wet

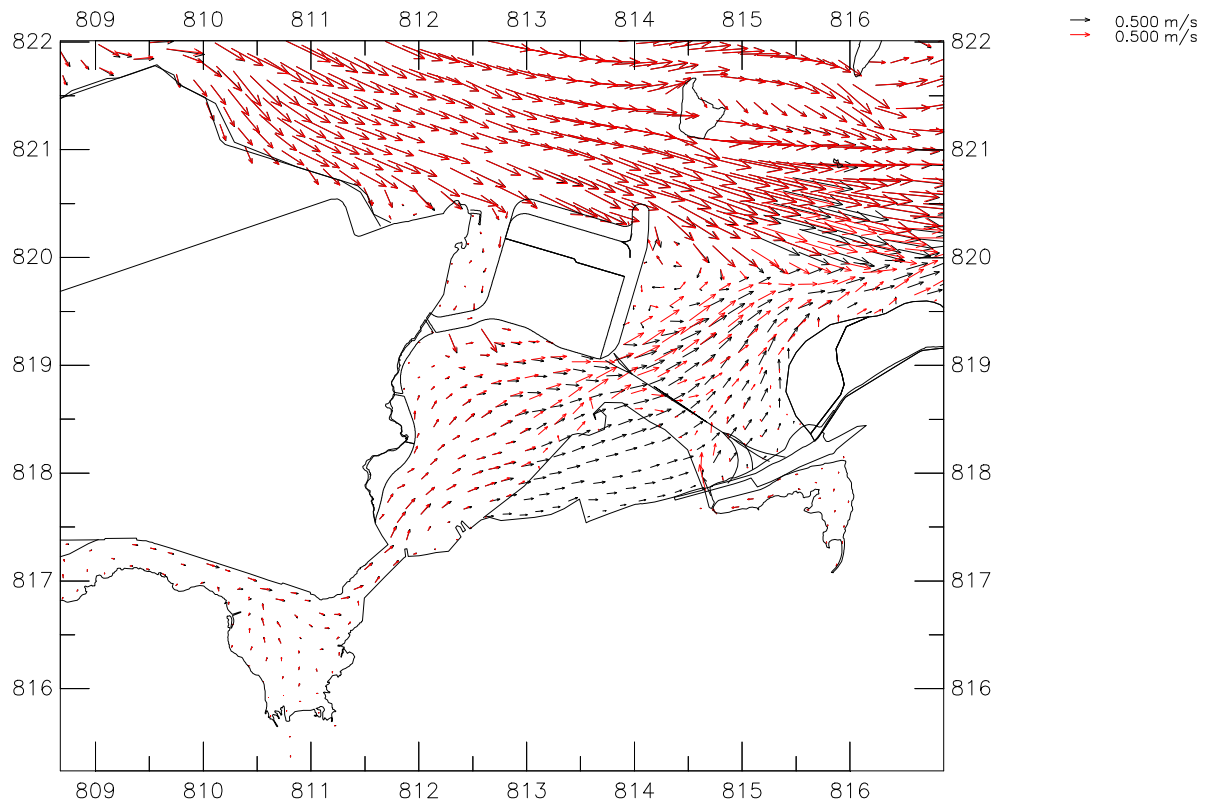
Arup



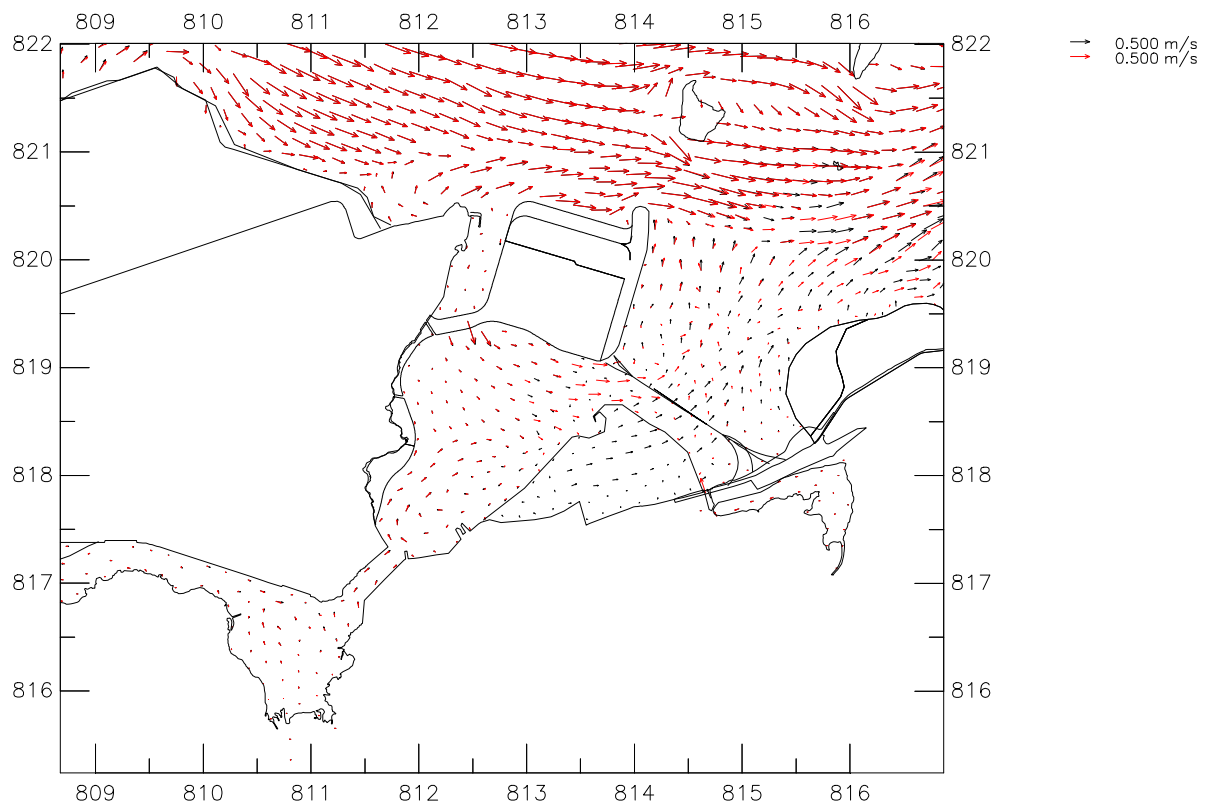


Flow Direction (deg) Black – Without Project Scenario; Red – With Project Scenario	Wet Season	
	Dir-Wet	
Arup		

Surface Layer



Bottom Layer



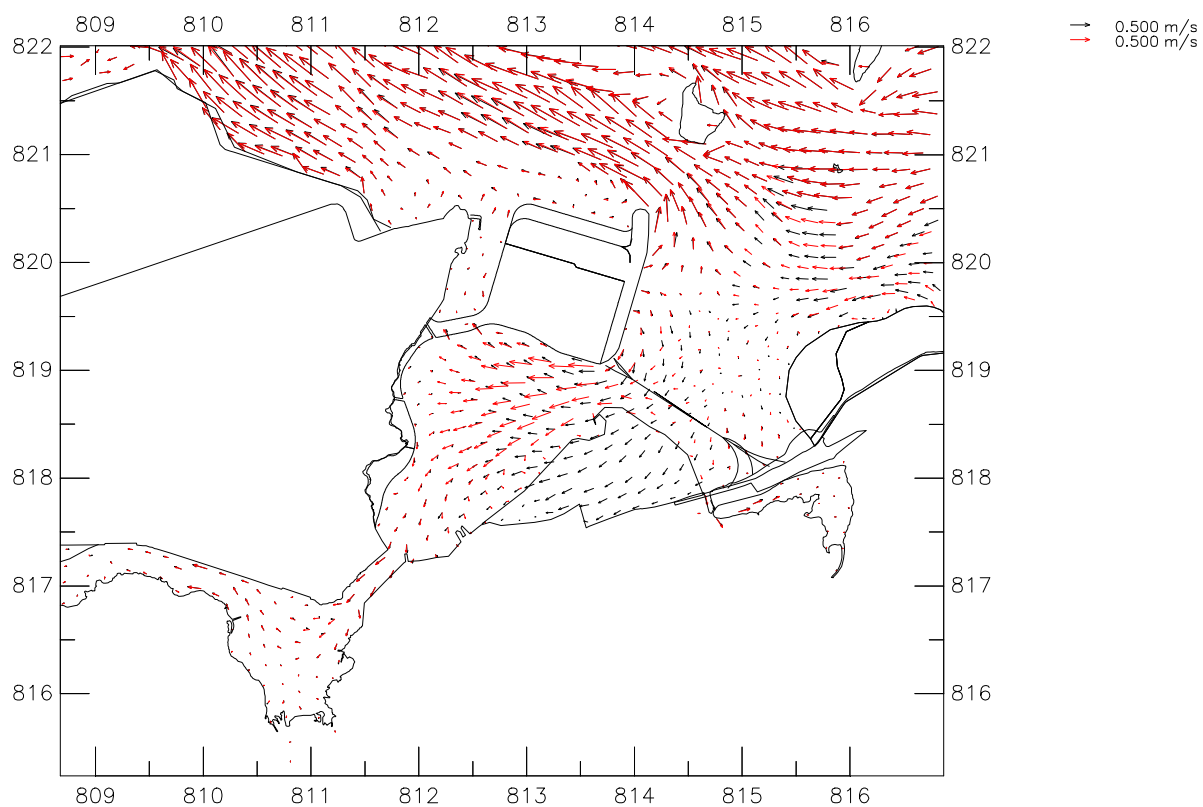
Velocity Vectors during Ebb Tide  
Black – Without Project Scenario; Red – With Project Scenario

Wet Season

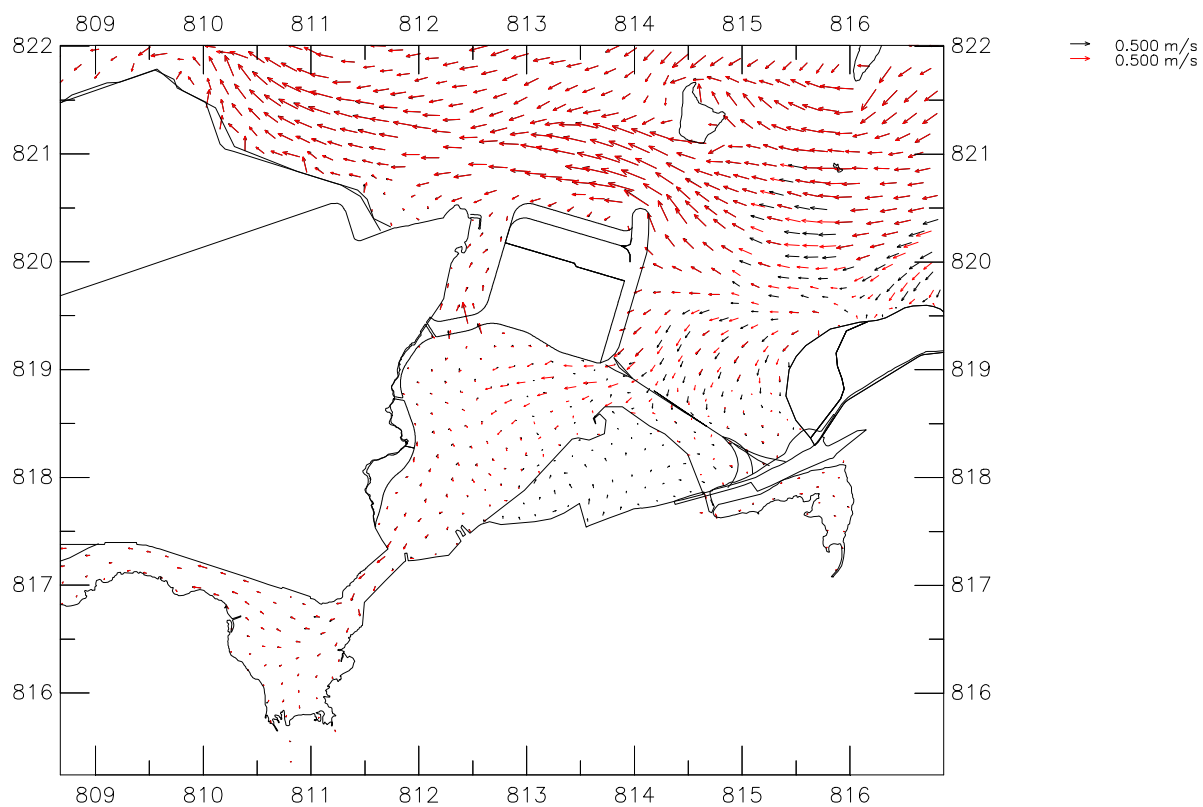
VE–Wet

Arup

Surface Layer



Bottom Layer



Velocity Vectors during Flood Tide  
Black – Without Project Scenario; Red – With Project Scenario

Wet Season

VF–Wet

Arup