

South Carolina Coastal Erosion Study Instrument Sampling Schemes

Site	Platform	Instrument	Observations	Interval	Sampling Scheme
1	minipod frame	ADCP	water flow	900 s	5 min every 15 min
			wave characteristics	3600 s	20 min every 1 hr
			pressure	900 s	5 min every 15 min
2	minipod frame	ADCP	water flow	900 s	5 min every 15 min
			wave characteristics	3600 s	20 min every 1 hr
			pressure	900 s	5 min every 15 min
		CT	conductivity, temperature	300 s	5 min
	Pressure Sensor	pressure	300 s	5 min	
USGS surface buoy	CT	conductivity, temperature	300 s	5 min	
3	minipod frame	ADCP	water flow	900 s	5 min every 15 min
			wave characteristics	3600 s	20 min every 1 hr
			pressure	900 s	5 min every 15 min
		CT	conductivity, temperature	300 s	5 min
	Pressure Sensor	pressure	300 s	5 min	
USGS surface buoy	CT	conductivity, temperature	300 s	5 min	
4	TRBM	ADCP	water flow	900 s	5 min every 15 min
			wave characteristics	3600 s	20 min every 1 hr
			pressure	900 s	5 min every 15 min
5	TRBM	ADCP	water flow	900 s	5 min every 15 min
			wave characteristics	3600 s	20 min every 1 hr
			pressure	900 s	5 min every 15 min
6	large flow tripod frame	ADP	water flow	900 s	5 min every 15 min
			wave characteristics	3600 s	20 min every 1 hr
			pressure	900 s	5 min every 15 min
		ADV	near-bed water flow	3600 s	11 min every 1 hr
		ABS	suspended sediment concentration	3600 s	13 min every 1 hr
		OBS	suspended sediment concentration	3600 s	11 min every 1 hr
		CT	conductivity, temperature	300 s	5 min
		Pressure Sensor	pressure	3600 s	11 min every 1 hr
Rotating Sonar	sea floor bedforms (ripples)	3600 s	1 cycle every 1 hr		

7A	large flow tripod frame	ADV	near-bed water flow	3600 s	20 min every 1 hr
		PCADP	near-bed water flow	3600 s	20 min every 1 hr
		OBS	suspended sediment concentration	3600 s	20 min every 1 hr
		ABS	suspended sediment concentration	3600 s	22 min every 1 hr
		CT	conductivity, temperature	300 s	5 min
		Pressure sensor	pressure	3600 s	20 min every 1 hr
	USGS surface buoy	CT	conductivity, temperature	300 s	5 min
7B	small tripod frame	ADCP	water flow	900 s	5 min every 15 min
			wave characteristics	3600 s	20 min every 1 hr
			pressure	900 s	5 min every 15 min
		ABS	suspended sediment concentration	3600 s	22 min every 1 hr
		Rotating Sonar	sea floor bedforms (ripples)	5 hr	3 images every 5 hr
8	miniature tripod frame	AP	water flow	900 s	5 min every 15 min
			wave characteristics	3600 s	20 min every 1 hr
			pressure	900 s	5 min every 15 min