

NOAA Ship *Oscar Elton Sette*



Hull Number	R335
Call Sign	WTEE
Home Port	
	Ford Island, HI
Marine Operations Center	
	Pacific Islands (MOC-PI)
Port Office	
	None
	Pacific Islands (MOC-PI)
Regular Area of Operations	
	Pacific
General Classification	
	Fishery Research Vessel
Mailing Address	
	NOAA Ship Oscar Elton Sette Marine Operations Center, PI 1897 Ranger Loop, Bldg 184 Honolulu, HI 96818-5072

Contact Information	
IN PORT	AT SEA
Cellular	VoIP
808-469-0074 (Ship Cell)	N/A
808-306-8550 (CO)	Iridium
808-306-3438 (XO)	808-434-9588
808-306-9456(OOD)	
808-352-7466 (EOW)	
Land Line (Home Port)	
808-725-5790 (VC)	Inmarsat Mini-M:
808-725-5791 (VC)	N/A
808-725-5792 (VC)	Fax or E-Fax
808-725-5793 (Fax)	N/A
	Inmarsat B
Ship's Email	011-870-763-644-039 (Voice 1)
Noaa.Ship.Oscar.Elton.Sette@noaa.gov	011-870-763-644-042 (Voice 2)

Design		Speed & Endurance	
Designer:	Halter Marine	Emergency Speed (KTS):	11
Builder:	Halter Marine, Inc., Moss Point, MS	Cruising Speed (KTS):	10
Launched:	Sep 23, 1987	Range (nm):	17,487
Delivered:	June 5, 1992	Endurance (days):	60
Commissioned:	Jan 23, 2003	Endurance Constraint:	Food
Length (LOA - ft.):	224		
Breadth (moulded - ft.):	43	Compliment - Maximum	
Draft, Maximum (ft.):	16.6	Commissioned Officers/Mates	5
Depth to Main Deck (ft.):	22	Engineers, Licensed	3
Hull Description:	Welded steel	Engineer, Unlicensed	2
Displacement:	2,014 tons	Deck	6
		Survey	1
		Stewards	3
		Electronic Technicians	1
		USPHS Medical Officer	1
		Total Crew	22
		Scientists	20
Berthing			
Single Staterooms:	12		
Double Staterooms:	10		
Other Staterooms:	1 four, 1 six		
Total Berths:	42		

Medical Facilities:	Food Service Seating Capacity	
One medical treatment room containing one berth for patients. Emergency and first-aid equipment aboard, administered by designated vessel personnel. USPHS medical officer onboard.	Forward Mess Room:	6
	Aft Mess Room:	24

Navigational Equipment (Ship's Use)	Type (Make/Model/Amount/Location)
Radars (X and S Band)	Furuno / MU-231CR / 2 / Bridge
GPS and DGPS	Furuno / GP-90 / 2 / Bridge Northstar / 951x / 1 / Bridge
Gyro Compass	Meridian Standard / 2 / Bridge
Deepwater and Shallow Navigational echosounders	Simrad / EK-60, ES-60 / Bridge Furuno / FE-700 / 1 / Bridge
ECDIS	Transas / ES 4 / 2 / Bridge
Other	Coastal Explorer / 1 / Bridge

Navigational Equipment (Access to onboard Scientists)	Type (Make/Model/Amount/Location)
GPS and DGPS	Furuno / GP-90 / 2 / Bridge Northstar / 951x / 1 / Bridge
Gyro Compass	Meridian Standard / 2 / Bridge
Deepwater and Shallow Navigational echosounders	EK-60: 38 kHz, 70 kHz, 120 kHz, 200 kHz / 1 / Scientific Computer Lab ES-60 70Khz, 200Khz / 1 / Scientific Computer Lab
Charting Program with Ship's Position	Nobletech / 1 / Scientific Computer Lab

Laboratory Spaces and other Scientific Spaces			
Type	Location	ft.²	Description: (Available Services and/or Connections, counter space, etc.)
Dry Lab	01 Deck Aft	100	Computer Lab, Counter Space
Electronics/Computer Lab	01 Deck	100	Location of data acquisition computers
Hydro Lab	01 Deck Aft	50	Flammable Locker, Acids Locker, Storage Closet
Scientific Freezer	Wet Lab/ Bio Chem Lab	50	-20 Deg. Large area for biologic specimens -20 Deg. Small area for chemicals in Hydro-Chem Lab
Store Room	01 Deck STBD Side	50	Scientific Storage Locker, Shelf Space
Wet Lab	Main Deck Aft	150	Sink, Stainless Steel Cutting Table

DATA COLLECTED BY THE SHIP'S SCIENTIFIC COMPUTER SYSTEM (SCS) IN THE STANDARD CONFIGURATION		
Description	Units	Data Source
DPT - Depth of Water with transducer offset	meters	5m offset. EK-60, ES-60
GLL - Geographic Position (Lat/Lon)	Deg.	Northstar GPS
HDG - Heading (Deviation and Variation)	Deg.	Gyro
HDT - Heading (True)	Deg.	Gyro
VTG - Track made good and ground speed	KTS	Northstar GPS
VTG Version 1 (TC, MC, SOG, STW, etc)	KTS	Northstar GPS
VWR - Relative wind speed and angle	KTS, Deg.	RM Young Windbird
ZDA - Time and Date (UTC. d. m, yr, TZ)	hh: m m: ss	Symmetricom time server
Z--DBS - Depth below Surface DBS tag fields	meters	ES-60, EK-60

Scientific Data Collection Systems and Supportable Operations	
Type	Brief Description (location, type)
Acoustic Current Doppler Profiler (ADCP)	38 kHz Transducer located on the Transducer Pod located on the hull. Deck unit located in the E-lab.
Automated Underwater Vehicles (AUV) Support	Yes. Wet Lab, Scientific Computer Lab
Conductivity, Temp., Depth (CTD) With Water Samples	Seabird 9-11+. 12 10L bottles for sampling Dual Seabird DO sensors. Seapoint fluorometer. Wet Lab fluorometer
Conductivity, Temp., Depth (CTD) Without Water Samples	Seabird 9-11+. Dual Seabird DO sensors. Seapoint fluorometer. Wet Lab fluorometer
Dive Team Equipped	Yes. 4 NOAA Working Divers
Expendable BathyThermographs (XBT) Capable	Sippican XBT. Launcher on Trawl Deck. Deck unit and data acquisition computer in Wet Lab
Mooring Deployment/Recovery Capable	Yes
Plankton Gear Deployment	Yes. Deployed from Starboard Side J frame
Remote Operated Vehicles (ROVs) Support	Yes. Wet Lab, Scientific Computer Lab
Scientific Computer System Equipped	SCS 4.7.0 Two servers
Scientific Diver Support	Yes
Thermosalinograph	SBE 45 and SBE 21 both installed in the Scientific Seawater System.
Trawl Fishing Capable	Yes. Two trawl winches located on 01 Deck, and net reel located on Trawl Deck
Trawl Sensor Equipped	Netmind system. Temperature and Depth transmitted acoustically during trawl

DECK EQUIPMENT:			
Winch – CTD (J-Frame)		Winch – Trawl	
Quantity:	1	Quantity:	2
Manufacturer:	Markey	Manufacturer:	Marco
Model	DESH-5	Model	Wt202
Drive:	Hydraulic	Drive:	Hydraulic
Max. Pull (lbs.):	14,700	Max. Pull (lbs.):	57,300
Max. Depth (m)	2000	Max. Depth (m)	5000
Drum Capacity:	2000m	Drum Capacity:	5,000m of 5/8" steel wire
Type of Cable Installed:	3/8" conductor cable	Type of Cable Installed:	5/8" steel wire
Length of Cable on the drum (m)	2000	Length of Cable on the drum (m)	5000
Location:	01 Deck, Starboard Side, Amidships	Location:	01 Deck, Port and Starboard Side, Amidships

Winch – Oceanographic (J-Frame)		Crane, Articulating	
Quantity:	1	Quantity:	1
Manufacturer:	Markey	Manufacturer:	Alaska Marine Crane
Model:	DESH-3	Model:	MCK-1846
Drive:	Hydraulic	Boom Length (ft.):	46
Max. Pull (lbs.):	15,380	Lifting Cap. (lbs.):	24,000 max – 6600 at full extension
Max. Depth (m)	8000	Location:	Fantail, Starboard Side
Drum Capacity:	8,000m	Crane, Articulating	
Type of Cable Installed:	3/8" conductor cable	Quantity:	1
Length of Cable on the drum (m)	8000	Manufacturer:	Alaska Marine Crane
Location:	Main Deck, Port Side, Amidships	Model:	MCK-1250
		Boom Length (ft.):	50
		Lifting Cap. (lbs.):	20,000 max – 2100 at full extension
		Location:	O2 Deck, Port Side, Amidships

A Frame		J Frame	
Quantity:	1	Quantity:	2
Type:	Movable	Type:	Movable
Clearance over the side (ft.):	10	Clearance over the side (ft.):	10
Horizontal Clearance (ft.):	8	Horizontal Clearance (ft.):	6
Safe Working Load (lbs.)	10,000	Safe Working Load (lbs.)	3,500
Location:	Trawl Deck, Aft	Location:	Starboard side O1 Deck Amidships, Port side Main Deck Amidships

Boat Davit		Anchor - Bow	
Quantity:	1	Quantity:	2
Manufacturer:	Schat-Harding	Type:	Stockless
Model:	Gravity	Weight (lbs.):	3,500
Hoisting Capacity Location	8360 lbs. 02 Deck, Starboard Side	Port Anchor Chain Length (fathoms)	120
Boat type used	22' Zodiac	Starboard Anchor Chain Length (ftm)	105

BOATS (Normally Equipped)				
	Type	Horsepower	Length Over All (ft.)	Max. Persons
1	Rescue Boat (SOLAS Approved)	315	22	6
	Data collection equipment and/or special features.	N/A		
2	Rigid Hull Inflatable Boat (RHIB)	115	17	7
	Data collection equipment and/or special features.	N/A		
3	Inflatable (non RHIB) Boat	50	18	11
	Data collection equipment and/or special features.	N/A		

Additional Capabilities (not previously stated)	
Type	Description
Access to Clean Electrical Power	Yes, Clean Power Generator
Compressed Air	Yes