

## NOAA Ship *Fairweather*



NOAA Ship *Fairweather* in the Gulf of Alaska with namesake Mt. Fairweather.

<b>Hull Number</b>	S220
<b>Call Sign</b>	WTEB
<b>Home Port</b>	
	Ketchikan, AK
<b>Marine Operations Center</b>	
	Pacific (MOC-P)
<b>Port Office</b>	
	Ketchikan, AK
<b>Regular Area of Operations</b>	
	Pacific
<b>General Classification</b>	
	Hydrographic Survey Vessel
<b>Mailing Address</b>	
	NOAA Ship <i>Fairweather</i> Marine Operations Center, Pacific 2002 SE Marine Science Dr.
	NOAA Ship <i>Fairweather</i> 1010 Stedman Street Ketchikan, AK 99901

### Contact Information

IN PORT	AT SEA
Cellular	VoIP
907-254-2842 (Ship)	301-713-7779
907-254-2836(CO)	Iridium
907-254-2837 (XO)	808-659-0054
907-254-2839 (OOD)	001-8816-7631-0054
907-617-4106 (EOW)	
Land Line (Home Port)	Inmarsat Mini-M:
541-867-8785 (VC)	
541-867-8786 (VC)	Fax or E-Fax
206-260-1400 (Fax)	
	Inmarsat B
Ship's Email	011-804-336-990-710 (Voice)
Noaa.Ship.fairweather@noaa.gov	011-870-336-9910-711 (Data)

<b>Design</b>		<b>Speed &amp; Endurance</b>	
Designer:	Maritime Administration	Emergency Speed (KTS):	13.4
Builder:	Aerojet-General Shipyards	Cruising Speed (KTS):	12.5
Launched:	March 15 <sup>th</sup> , 1967	Range (nm):	8640
Delivered:	January 1968	Endurance (days):	30
Commissioned:	April 10, 1968	Endurance Constraint:	Food/Stores
Length (LOA - ft.):	231	<b>Compliment - Maximum</b>	
Breadth (moulded - ft.):	42	Commissioned Officers/Mates	12
Draft, Maximum (ft.):	15.5	Engineers, Licensed	4
Depth to Main Deck (ft.):	8	Engineer, Unlicensed	7
Hull Description:	Welded steel/ice strengthened	Deck	13
Displacement:	1,800 tons	Survey	9
<b>Berthing</b>		Stewards	4
Single Staterooms:	25	Electronic Technicians	1
Double Staterooms:	16	USPHS Medical Officer	0
Other Staterooms:	0	<b>Total Crew</b>	<b>51</b>
<b>Total Berths:</b>	<b>57</b>	<b>Scientists</b>	<b>6</b>

<b>Medical Facilities:</b>	<b>Food Service Seating Capacity</b>	
One medical treatment room containing one berth for patients. Emergency and first-aid equipment aboard, administered by designated vessel personnel. USPHS medical officer available upon request and availability of officer.	Mess Room:	37

<b>Navigational Equipment (Ship's Use)</b>	<b>Type (Make/Model/Amount/Location)</b>
Radars (X and S Band)	Furuno, FAR/FR-2805/ 2/Bridge
GPS and DGPS	Northstar/ 951/952/ 1/Bridge
Gyro Compass	SGB/ Meridian/ 2/Athwart ship passageway
Deepwater and Shallow Navigational echosounders	Furuno/ FE-700/ 1/Bridge
ECDIS	Transis/1/Bridge

<b>Navigational Equipment (Access to onboard Scientists)</b>	<b>Type (Make/Model/Amount/Location)</b>
GPS and DGPS	None
Gyro Compass	None
Deepwater and Shallow Navigational echosounders	None
ECDIS	None
Charting Program with Ship's Position	None

<b>Laboratory Spaces and other Scientific Spaces</b>			
<b>Type</b>	<b>Location</b>	<b>ft.<sup>2</sup></b>	<b>Description: (Available Services and/or Connections, counter space, etc.)</b>
Wet Lab	Aft most lab	240	Only counter space available to scientist, fresh water sink
Dry Lab	Just Aft of mess Deck	220	Counter space, part of a computer rack.
Electronics/Computer Lab	Just Forward of the mess	140	Data Plot 2: Used for crew computers
Electronics/Computer Lab	Just Aft of the Bridge	342	Data Plot 1: Used for hydrographic mission. Not available for scientist use.

<b>Scientific Data Collection Systems and Supportable Operations</b>	
<b>Type</b>	<b>Brief Description (where equipment is involved, please state what type (i.e. ME70, EK60, ES60, Seabird, etc.)</b>
Conductivity, Temp., Depth (CTD) Without Water Samples	Seabird
Dive Team Equipped	If all divers are available
Multibeam Equipped for Hydrographic Surveys	Reson 7125 (on Launches), Reson 8160 (on ship)
Scientific Computer System Equipped	

<b>DATA COLLECTED BY THE SHIP'S SCIENTIFIC COMPUTER SYSTEM (SCS) IN THE STANDARD CONFIGURATION</b>			
<b>Description</b>	<b>Units</b>	<b>Data Source</b>	
BWR - Bearing and Distance to WPT (Rhumb Line)	XXX	XXX	
GLL - Geographic Position (Lat/Lon)	DM.M	GP150	
HDT - Heading (True)	DMS	SG Brown Meridian	
OSD - Own Ship Data (Ship course & speed)			
OSD - Own Ship Data (Ship course & speed)			
RMC - Recommended Min Nav Info RMC Tags		GP150	
VWR - Relative wind speed and angle			

**DECK EQUIPMENT:**

<b>Winch – (A-Frame)</b>		<b>Winch (J-Frame)</b>	
Quantity:	1	Quantity:	1
Manufacturer:	DWS International Inc.	Manufacturer:	Markey
Model:	5050 EHI	Model:	COM-15V
Drive:	Electro-hydraulic	Drive:	Electro-hydraulic
Max. Pull (lbs):		Max. Pull (lbs):	1,869
Max. Depth (m):		Max. Depth (m):	
Drum Capacity:		Drum Capacity:	
Type of Cable Installed:		Type of Cable Installed:	0.375
Length of Cable on the drum (m):	960	Length of Cable on the drum (m):	4000
Location:	Boat Deck	Location:	Fantail, Starboard side

<b>Crane, Telescopic Boom</b>		<b>Crane (Fixed Length)</b>	
Quantity:	2	Quantity:	1
Manufacturer:	Skagit	Manufacturer:	Skagit
Model:		Model:	
Boom Length (ft):	25	Boom Length (ft):	40
Lifting Cap. (lbs):	1,500 extended	Lifting Cap. (lbs):	5,000
Location:	Foredeck, Port and Starboard	Location:	Boat deck

<b>A Frame</b>		<b>J Frame</b>	
Quantity:	1	Quantity:	1
Type:	Movable	Type:	Movable
Clearance over the side (ft):	9	Clearance over the side (ft):	4
Horizontal Clearance (ft):		Horizontal Clearance (ft):	
Safe Working Load (lbs)	8,000	Safe Working Load (lbs)	8,000
Location:	Center fantail	Location:	Fantail, Port side

<b>Anchor - Bow</b>	
Quantity	2
Type	Stockless
Weight (lbs)	3000
Port Anchor Chain Length (fathoms)	165
Starboard Anchor Chain Length (fathoms)	165

<b>Boat Davit (Make/Model)</b>		<b>Boat Davit (Make/Model)</b>	
Quantity:	4	Quantity:	2
Manufacturer:	Vest Davit	Manufacturer:	
Model:		Model:	
Hoisting Capacity		Hoisting Capacity	6080
Location	Boat Deck- Port and Starboard	Location	"E" Deck- Port and Starboard
Boat type used	Launch	Boat type used	FRB and Ambar

<b>BOATS (Normally Equipped)</b>				
	Type	Horsepower	Length Over All (Ft)	Max. Persons
1	Survey Launch	500	28	9 rough, 13 calm
		Reson 7125		
2	Rigid Hull Inflatable Boat (RHIB)	315	23	5 rough, 7 calm
3	Rescue Boat (SOLAS Approved)	300	23	4 rough, 6 calm

<b>Additional Capabilities (not previously stated)</b>	
Type	Description
None stated	