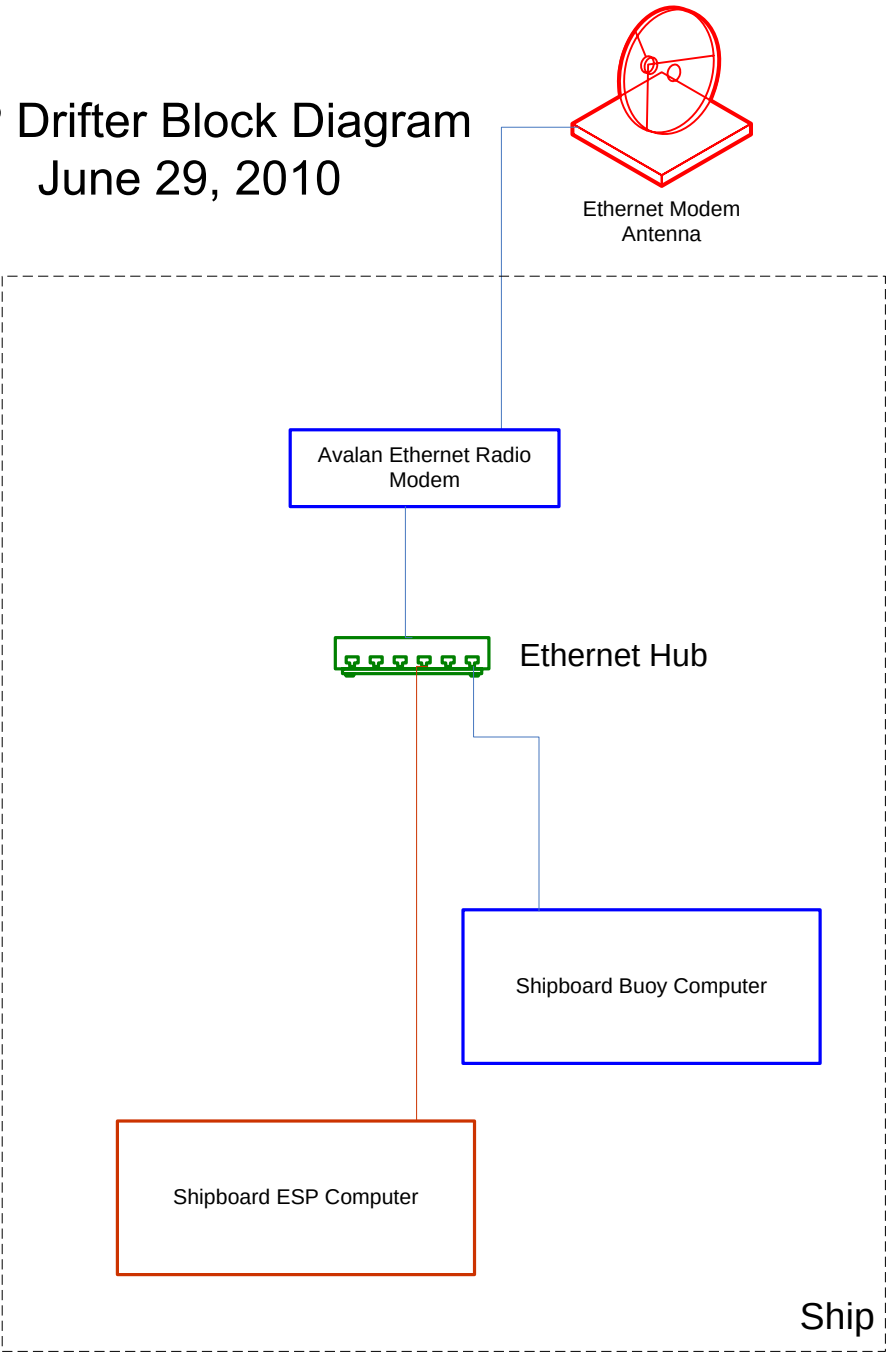
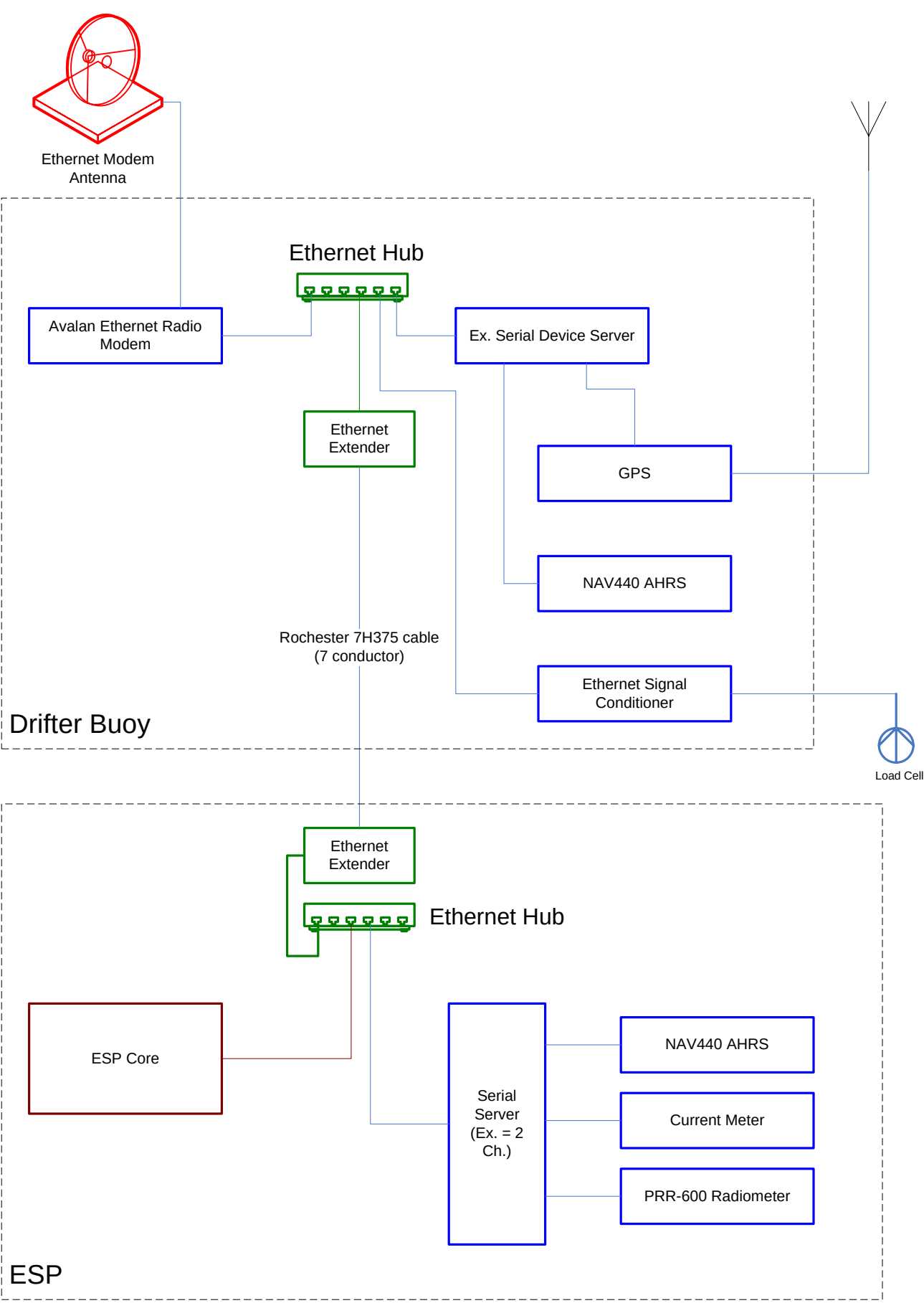


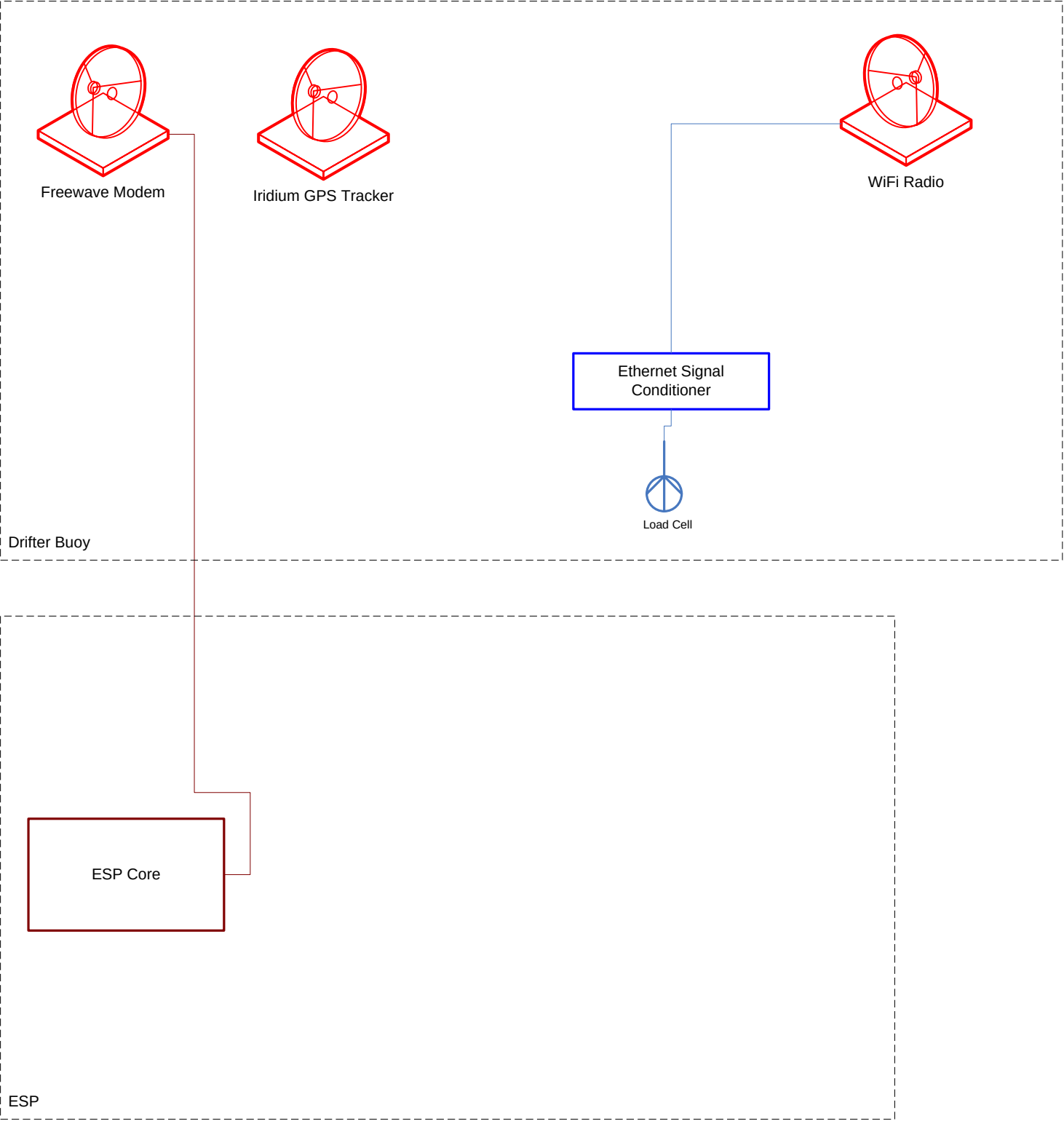
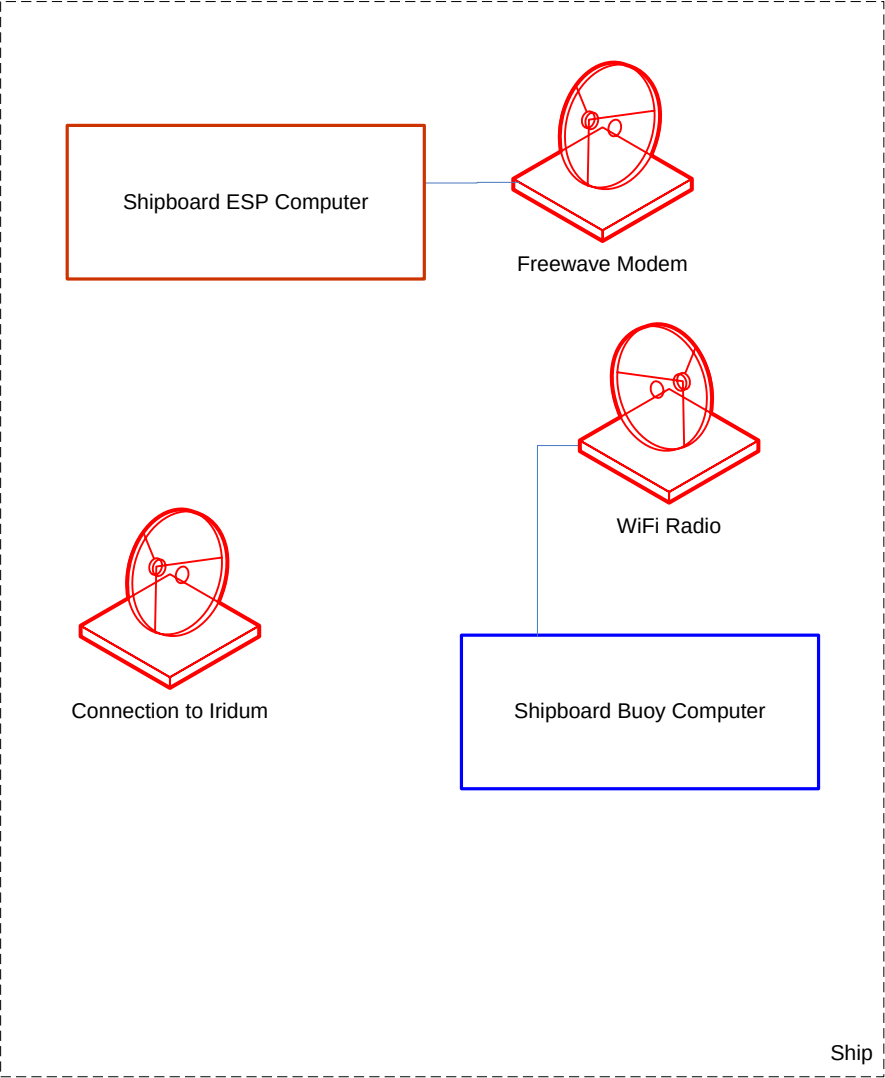
ESP Drifter Block Diagram
June 29, 2010



Question: Can we have a second ship passively receiving the data packets from the instruments on the Drifter Buoy and the ESP?



ESP Drifter Block Diagram
Mar 19, 2010



Instrument	Sample size (Bytes/S)	Sample Rate (S/sec)	Bit Rate (b/sec 10b/B)
Accelerometer	100	10	10000
Depth	2	10	200
ESP Image	93750	6.94E-05	65
CTD			
TOTAL			10265

Module	Voltage (VDC)	Current (A)
Winch Motor Controller	75	5 (7.5 desirable)
Level Wind Motor Controller	75	2
Proximity Switches	10-30	0.20
Winch Controller	5-7.5	2.00
Depth Sensor	6-30	0.03
Accelerometer	5.2-9.0	0.09
Load cells	11.0-28	0.04
Winch motor brake	24.00	
Device Server	3.30	0.25
Ethernet Extender		
Ethernet Hub		