iRIS Serial Servers

TRACER_PUMP			
IP	**192.168.1.25**		
Location	**Mud pump room in tracer pump cabinet**		
Serial 1	**4000**		
Protocol	RS-232	**Baud**	9600
Bits	8	**Stop - Bit**	1
Parity	none	**RS485/422**	n/a
Desc	Used by the iRIS program to control the tracer pump.		
Serial 2	**4001**		
Protocol	RS-232	**Baud**	9600
Bits	8	**Stop - Bit**	1
Parity	none	**RS485/422**	n/a
Desc	Used by the RigWatch program to control the tracer pump.		
Special Note	*Only one system can run the pump and only one pump can run. Requires that you choose the correct serial port and pump with the serial cable*		

DRILLFLOOR_XBOB			
IP	**192.168.1.27**		
Location	**Core Deck network closet**		
Serial 1	**4000**		
Protocol	RS-232	**Baud**	9600
Bits	8	**Stop - Bit**	1
Parity	none	**RS485/422**	n/a
Desc	iRIS sends the overlay information for the Drill Floor TV channel to the XBOB device.		
Serial 2	**4001**		
Protocol	RS-232	**Baud**	9600
Bits	8	**Stop - Bit**	1
Parity	none	**RS485/422**	n/a
Desc	unused		
Special Note	*Must configure for 2 simultaneous connections in the web interface. Why? No clue but necessary for operations.*		

RW_WITTS

IP	192.168.1.27		
Location	**Core Deck network closet**		
Serial 1	**4000**		
Protocol	RS-232	**Baud**	9600
Bits	8	**Stop - Bit**	1
Parity	none	**RS485/422**	n/a
Desc	iRIS send the winch data (WITS format) to the laptop running RigWATCH as remote 3.		
Serial 2	**4001**		
Protocol	RS-232	**Baud**	9600
Bits	8	**Stop - Bit**	1
Parity	none	**RS485/422**	
Desc	unused		

CORELINE_WINCH

IP	192.168.1.27		
Location	**Sub-sea shop inside the RigWATCH box**		
Serial 1	**4000**		
Protocol	RS-422	**Baud**	2400
Bits	7	**Stop - Bit**	1
Parity	even	**RS485/422**	2-wire
Desc	Winch depth data from SIEM's Veeder-Root meter is sent to iRIS from this port.		
Serial 2	**4001**		
Protocol	RS-232	**Baud**	9600
Bits	8	**Stop - Bit**	1
Parity	none	**RS485/422**	n/a
Desc	unused		

VIT-SUBC_DVR

IP	192.168.1.28		
Location	**DP room inside the electronics rack for VIT**		
Serial 1	**4000**		
Protocol	RS-232	**Baud**	9600
Bits	8	**Stop - Bit**	1
Parity	none	**RS485/422**	n/a
Desc	iRIS send the VIT winch data to the SUBC workstation for the re-entry cameras overlay.		
Serial 2	**4001**		
Protocol	RS-232	**Baud**	9600
Bits	8	**Stop - Bit**	1
Parity	none	**RS485/422**	n/a
Desc	unused		

BATHY_MRU

IP	192.168.1.34		
Location	**U/W Geophysics**		
Serial 1	**4000**		
Protocol	RS-232	**Baud**	9600
Bits	8	**Stop - Bit**	1
Parity	none	**RS485/422**	n/a
Desc	iRIS send the MRU data to the Knudsen bathy program.		
Serial 2	**4001**		
Protocol	RS-232	**Baud**	9600
Bits	8	**Stop - Bit**	1
Parity	none	**RS485/422**	n/a
Desc	unused		

SLB_LOGGING

IP	192.168.1.11		
Location	**Logging Office inside the rack as you enter.**		
Serial 1	**4000**		
Protocol	RS-485	**Baud**	19200
Bits	8	**Stop - Bit**	1
Parity	none	**RS485/422**	4-wire w/bias
Desc	Schlumberger send the logging winch data to iRIS. Needs a RS-485 to RS-232 converter		
Serial 2	**4001**		
Protocol	RS-232	**Baud**	9600
Bits	8	**Stop - Bit**	1
Parity	none	**RS485/422**	n/a
Desc	unused		

iRIS IOT Devices

FWD_GPS	
IP	**165.91.72.118 : 5071**
Location	**LO Office, shelf forward and port corner**
Protocol	TCP
Desc	iRIS gets GPS data from the forward receiver

AFT_GPS	
IP	**165.91.72.116 : 5071**
Location	**U/W Geophysics Lab**
Protocol	TCP
Desc	iRIS gets GPS data from the aft receiver

GYRO	
IP	**165.91.72.118 : 10001**
Location	**DP room inside their cabinet as you come in the side door,**
Protocol	TCP
Desc	iRIS gets the ship's gyro data

LCI 90i	
IP	**192.168.1.30 : 7010**
Location	**Subsea shop at VIT control station**
Protocol	UDP broadcast
Desc	iRIS gets the VIT winch data