

changed serial cards at upwind, downwind2

The serial card problem is a bit mystifying. It didn't happen in CHATS, and we had about the same or more load on the data system.

Systems with the Emerald 8P cards seem to be the ones that are failing. I don't believe we had those at CHATS. So I'm removing them from our systems.

upwind: had 1 8P card and 1 8M. It was only using 7 ports on the 8P and none on the 8M, so I removed the 8P and cabled the 8M as the first and only card. There is still an available port for the 15th pressure system.

downwind2: removed 8P W274177, installed 8M W240036, which is a spare card. This board has a dead port #1 (numbered from 0) which is /dev/ttyS6 when it is installed as the first card. To minimize the cabling changes. I installed W240036 as the second card, and so W249924 is now the first card. This means that port /dev/ttyS14 is now dead, and the last sonic was switched to /dev/ttyS15.

Currently the profile tower has the only remaining 8P card (and it has been working quite well since we improved the voltage level).

Later noticed that port ttyS7 on upwind was not working. Seems that W240025 also has a bad port. Since we want all ports to work on upwind in order to have one available for the 15 pressure system, I did another swap on Jul 8. At 10:20am removed the first emerald card, W249924, from downwind2, installed it on upwind. Took W240025 from upwind and installed it as the first serial board on downwind2.

The data system configuration is now:

name	viper #	box	tower	net link	serial #0	serial #1
profile	3	6	profile	eantg	8P W274095	8M 240017
downwind 1	6	14	d4	hub in profile	8M W249918	8M 250043
downwind 2	1	13	d10	eanth	8M W240025	8M W240036
upwind	2	1	u7	hub in downwind2	8M W249924	
pressure1	10	small	d4	hub in profile		
pressure2	11	large	d10	hub in downwind2		

These serial cards have bad ports

SN	bad ports
W240025	2(ttyS7)
W240036	1(ttyS6)

W240025 and W240036 are on downwind2. The configuration on downwind2 skips ports ttyS7 and ttyS14.