Quilt Troubleshooting Guide

Hardware Setup Checklist

- Taxi cable connected between PC and ST133A controller.
- Timer dongle plugged into parallel port.
- Coax connected between Timer dongle 'Out" and ST133A
   Controller Ext. Sync connector."
- Coax cable terminated at controller with 50 ohm resistor.
- Coax from GPS (1pps output) to 'In' connector of Timer dongle.
- Analog cable between CCD camera and ST133A controller.
- RS232 flat cable (9 pin) connected between GPS and PC serial port.
- Power cords to opus, GPS, ST133A controller and UPS.
* See Argos-q13.pdf for wiring diagrams and more setup info.

Problem	Cause
"Can't find a working timer card"	1 Parallel port drivers not loaded or activated. 2. Dongle not connected to parallel port.
"WARNING: GPS time codes not detectd using system check"	1. GPS receiver not powered-up. 2. RS232 cable disconected from GPS to PC 3. Not locking on satellite.
"WARNING" NTP daemon not running system clock not regulated"	1. NTP daemon not loaded. See system administrator to start NTP daemon..

Problem	Cause
"Please fill in the system profile"	1. One or more fields in file 'profile' are missing.
"Camera rspci0 didn't open" <Message appears in terminal window where quilt was launched>.	1. ST133A not powered-on. 2. TAXI serial cable disconnected.
"Can't find file .Arun run name controlled disabled."	1. In /Root, create file by typing: "cat A1234>/.Arun"
"Can't isolate the stars"	1. Lights on in Dome area. 2. Bright object nearby. 3. Seeing is bad. 4. Controller was reset. If you dismiss warning pop-up window, the camera will be automatically re-intialized and continue collecting data or you can stop and restart taking data manually.
"TIMING ERROR" <n>s exposure"	1. Bad GPS packet, dismiss pop-up screen and continue taking data or stop and restart data collection.
"Can't load Video Drivers" When rebooting 'opus' or 'hoth'.	1. Call Observing support personel at 82" to load/reconfigure Video drivers.
"Can't make path: \path_name"	1.Pathname incorrect or too many characters in a path component.