

Arrival Date and Time: _____ GMT/LT
Departure Time: _____ GMT/LT

SEIS-UK Taurus and CMG-3T Servicing Sheet

Site Name: _____ Site Code: _____ Network Code: _____
Servicing Team: _____
Latitude (WGS84): _____ Longitude: _____ Altitude: _____
(UTM, _____ co-ordinates: _____)
Weather: _____

Battery Type: _____ Battery Voltage: _____ Charging: Solar / Mains
Taurus serial No.: _____ Sensor serial No.: _____

Arrival comments (e.g. what state are the LEDS? Slow flash? Fast flash? Any sign of water penetration or cable damage?):

Status screen: Mode: _____ Store Time Left: _____ Store Size: _____
IP Address: _____ Time: _____ Voltage: _____ Power: _____
Following the Status OK link: Store Recording Door Closed Time OK Sensor Power
 Firmware OK Control Lines Power: OK? Config: Committed?

Ensure all the status boxes are green. Follow the links to verify configuration.

Sensor screen: Mass voltages: _____ Sensor Power _____

Issue a centre command if any mass positions are above 2V. If any masses are stuck at a high voltage (near 8v) issue a 'lock' command followed by an 'unlock' command and then a 'center' command if necessary. This should kick the motors into action and will hopefully resolve the problem. Note down any action taken below.

Further comments on mass positions:

Timing screen: Report Time: _____ PLL State: _____
Uncertainty: _____ Time Error: _____ DAC Count: _____
Status: _____ Satellites Used: _____ PDOP: _____ TDOP: _____
Location: _____

If the gps lock is bad, check the 'GPS Map' and see if satellites in any one direction are worse. If so, try to reposition the antenna to improve sky visibility.

Comments on GPS state/any adjustments required:

Data Availability: Data available for today? List dates with available data. Note any gaps.

P.T.O.

DISK SWAP - Shutdown: *In order to change the disk the Taurus unit must be shut down. Select the 'Shutdown' option on the 'shutdown' page.*

Allow the unit to shutdown - the status lights will go into a slow flash pattern (once every 5 or 10 seconds) and the screen will turn off. When the unit is shutdown open the media door and check the colour of the media status LED - Media status LED green?

If the LED is green, remove the CF card - Old CF Serial No.: _____

If the LED is red, do not remove the card. Wait until the LED is green. Removing media when the LED is red may corrupt it

Insert the new CF Card and close the door - New CF card Serial No.: _____

The Taurus should restart when the new disk is inserted. If it doesn't, press and hold the centre button for a few seconds until the Taurus lights start to flash in the fast pattern (once per second).

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Check that the Taurus is still functioning properly:

Status screen: Mode: _____ Store Time Left: _____ Store Size: _____

IP Address: _____ Time: _____ Voltage: _____ Power: _____

Following the Status OK link: Store Recording Door Closed Time OK Sensor Power Firmware OK Control Lines Power: OK? Config: Committed?

Ensure all the status boxes are green.

Assuming all LEDs are green there is no need to recheck the mass positions or the gps lock - changing the disk should not have changed any of these things. However, we do need to check the store and data availability.

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Data Availability: Data available for today? Any other data on the disk? List all dates with available data.

If the CF card has not recently been cleared then the user must log in as tech, proceed to the 'Store Tools' and select 'Delete Store' then 'Destroy and Recreate Store' with the store size set to 'Full'. This takes a few seconds. All existing data on the CF card will be lost. When you return to the status page a store of around 20MB of 13GB will exist.

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Final Checks:

Any cable damage? _____ Solar panels clean? _____

Any sign of water penetration? _____

Security adequate? _____ Battery ok? _____

Any further comments?