



Model: G36

A/C Serial  
Number: E-3929

Registration  
Number: N6029V

**Subject: Federal Aviation Regulations System Checks**

I certify that the altimeter and static system test required by FAR Part 91.411 have been performed. Static System Test Date 02-26-2010.

|  |          |      |          |           |         |      |
|--|----------|------|----------|-----------|---------|------|
| ALTIMETERS:  |          |      |          |           |         |      |
| L/H S/N:   | N/A      | Date | N/A      | Tested to | N/A     | Feet |
| R/H S/N:   | N/A      | Date | N/A      | Tested to | N/A     | Feet |
| STDBY S/N:   | 472468   | Date | 12-01-09 | Tested to | 35,000  | Feet |
| AIR DATA COMPUTER:   |          |      |          |           |         |      |
| L/H S/N:   | 20607862 | Date | 02-26-10 | Tested to | 35,000  | Feet |
| R/H S/N:   | N/A      | Date | N/A      | Tested to | N/A     | Feet |
| Emergency Locator Transmitter Battery to be replaced on or before: |          |      |          |           | 12-2015 |      |

FAR 91.217 Testing of Attitude Recording Equipment complied with:

|                            |          |
|----------------------------|----------|
| LH Altimeter S/N:          | N/A      |
| RH Altimeter S/N:          | N/A      |
| Stdby Altimeter S/N:       | 472468   |
| L/H Air Data Computer S/N: | 20607862 |
| R/H Air Data Computer S/N: | N/A      |

I certify that ATC Transponder Test and Inspection required by FAR Part 91.413 has been performed.

|      |          |              |          |
|------|----------|--------------|----------|
| S/N: | 89109413 | Date Tested: | 02-26-10 |
| S/N: | N/A      | Date Tested: | N/A      |

Date: 04-07-2010

Dale W. Dodd  
For Hawker Beechcraft Corporation

This aircraft has been flown by Hawker Beechcraft Corporation (HBC) Production Flight Test and is compliant to the requirements stated in 14 CFR 91.171. The omni directional receivers were found to be accurate within:

±4 Degrees HUT Place

Production Flight Test

Date 03-29-2010



CRS# 2PJR099M

# ALTIMETER CALIBRATION RECORD

14 CFR Part 43 Appendix E

Customer RICHARD NEWMAN

W.O. No. BPI-100520

Max. Calib. Alt. 20000 FT

S/N 20607862 P/N 011-00882-10 MFG. GARMIN  
GAC74A

| Test Point | Scale Error<br>± Inst. | Encoder<br>±125 Feet | Friction Test<br>± Inst. | Hyst.<br>±75'<br>50% 40% | Baro. Set Point | Scale Equiv. | Error (±25')<br>Inst. Read |
|------------|------------------------|----------------------|--------------------------|--------------------------|-----------------|--------------|----------------------------|
| -1000      | 20 -1015               | -1000                |                          |                          | 28.10           | -1727        | -1740                      |
| 0          | 20 -15                 | 0                    |                          |                          | 28.50           | -1340        | -1355                      |
| 500        | 20 485                 | <del>4000</del>      |                          |                          | 29.00           | -863         | -875                       |
| 1000       | 20 985                 | 1000                 | 70 —                     |                          | 29.50           | -392         | -405                       |
| 1500       | 25 1485                | 1500                 |                          |                          | 29.92           | 0            | -15                        |
| 2000       | 30 1985                | 2000                 | 70 —                     |                          | 30.50           | 531          | 520                        |
| 3000       | 30 2985                | 3000                 | 70 —                     |                          | 30.90           | 893          | 880                        |
| 4000       | 35 3985                | 4000                 |                          |                          | 30.99           | 974          | 965                        |
| 5000       | - 4985                 | 5000                 | 70 —                     |                          |                 |              |                            |
| 6000       | 40 5985                | 6000                 |                          |                          |                 |              |                            |
| 8000       | 60 7985                | 8000                 |                          | 7985<br>9980             |                 |              |                            |
| 10000      | 80 9980                | 10000                | 80 —                     |                          |                 |              |                            |
| 12000      | 90 11980               | 12000                |                          |                          |                 |              |                            |
| 14000      | 100 13980              | 14000                |                          |                          |                 |              |                            |
| 15000      | - 14980                | 15000                | 90 —                     |                          |                 |              |                            |
| 16000      | 110 15980              | 16000                |                          |                          |                 |              |                            |
| 18000      | 120 17975              | 18000                |                          |                          |                 |              |                            |
| 20000      | 130 19975              | 20000                | 100 —                    |                          |                 |              |                            |
| 22000      | 140                    |                      |                          |                          |                 |              |                            |
| 25000      | 155                    |                      | 120                      |                          |                 |              |                            |
| 30000      | 180                    |                      | 140                      |                          |                 |              |                            |
| 35000      | 205                    |                      | 160                      |                          |                 |              |                            |
| 40000      | 230                    |                      | 180                      |                          |                 |              |                            |
| 45000      | 255                    |                      |                          |                          |                 |              |                            |
| 50000      | 280                    |                      | 250                      |                          |                 |              |                            |

## System Leak check:

☒ Non press. Aircraft leak: 100Ft/min @ +1K

☐ Press. Aircraft leak: 2%max alt dif.

☐ Case Leak: 100Ft/Min @ 18,000 Ft.

Inst. Change: 9 FT/MIN

After Effect ± 30": -15

## Note: Hysteresis Test Points

| Max. Cal. Alt.               | 50%        | 40%        |
|------------------------------|------------|------------|
| <del>20k</del>               | <u>10k</u> | <u>8k</u>  |
| <input type="checkbox"/> 25k | <u>12k</u> | <u>10k</u> |
| <input type="checkbox"/> 30k | <u>15k</u> | <u>12k</u> |
| <input type="checkbox"/> 35k | <u>18k</u> | <u>14k</u> |
| <input type="checkbox"/> 50k | <u>25k</u> | <u>20k</u> |

WORK REQUESTED: CHECK CAL. ☐ STATIC SYSTEM REP. ☐  
TESTED IN COMPLIANCE WITH F.A.R. 43 APP E. ☒  
MAINTENANCE RELEASE SUPPLIED ☐

Test Equipment Used:

☐ Castleberry ☒ DPS450

Serial Number: 0056 Calibration Due 31 July 2014

Date: 7 Jul 2014

Technician: [Signature]

Inspector: [Signature]



CRS# 2PJR099M

# ALTIMETER CALIBRATION RECORD

Customer RICHARD NEWMAN 14 CFR Part 43 Appendix E W.O. No BPI-100520

Max. Calib. Alt. 20000ft S/N 475820 P/N 5934-3 MFG. UNITED

| Test Point | Scale Error ± | Inst. | Encoder ±125 Feet | Friction Test ± | Inst. | Hyst. ±75' 50% 40% | Baro. Set Point | Scale Equiv. | Error (±25') Inst. Read |
|------------|---------------|-------|-------------------|-----------------|-------|--------------------|-----------------|--------------|-------------------------|
| -1000      | 20            | -1010 |                   |                 |       |                    | 28.10           | -1727        | -1705                   |
| 0          | 20            | 15    |                   |                 |       |                    | 28.50           | -1340        | -1335                   |
| 500        | 20            | 515   |                   |                 |       |                    | 29.00           | -863         | -840                    |
| 1000       | 20            | 1020  |                   | 70              | 20    |                    | 29.50           | -392         | -380                    |
| 1500       | 25            | 1520  |                   |                 |       |                    | 29.92           | 0            | 15                      |
| 2000       | 30            | 2025  |                   | 70              | 25    |                    | 30.50           | 531          | 540                     |
| 3000       | 30            | 3020  |                   | 70              | 25    |                    | 30.90           | 893          | 905                     |
| 4000       | 35            | 4020  |                   |                 |       |                    | 30.99           | 974          | 990                     |
| 5000       | -             | 5015  |                   | 70              | 30    |                    |                 |              |                         |
| 6000       | 40            | 6015  |                   |                 |       |                    |                 |              |                         |
| 8000       | 60            | 8005  |                   |                 |       | 8020               |                 |              |                         |
| 10000      | 80            | 10010 |                   | 80              | 35    | 10020              |                 |              |                         |
| 12000      | 90            | 12015 |                   |                 |       |                    |                 |              |                         |
| 14000      | 100           | 14020 |                   |                 |       |                    |                 |              |                         |
| 15000      | -             | 15020 |                   | 90              | 35    |                    |                 |              |                         |
| 16000      | 110           | 16015 |                   |                 |       |                    |                 |              |                         |
| 18000      | 120           | 18020 |                   |                 |       |                    |                 |              |                         |
| 20000      | 130           | 20030 |                   | 100             | 60    |                    |                 |              |                         |
| 22000      | 140           |       |                   |                 |       |                    |                 |              |                         |
| 25000      | 155           |       |                   | 120             |       |                    |                 |              |                         |
| 30000      | 180           |       |                   | 140             |       |                    |                 |              |                         |
| 35000      | 205           |       |                   | 160             |       |                    |                 |              |                         |
| 40000      | 230           |       |                   | 180             |       |                    |                 |              |                         |
| 45000      | 255           |       |                   |                 |       |                    |                 |              |                         |
| 50000      | 280           |       |                   | 250             |       |                    |                 |              |                         |

## System Leak check:

- ☒ Non press. Aircraft leak: 100Ft/min @ +1K
- ☐ Press. Aircraft leak: 2%max alt dif.
- ☐ Case Leak: 100Ft/Min @ 18,000 Ft.

Inst. Change: 9 FT/MIN

After Effect ± 30': 25

## Note: Hysteresis Test Points

| Max. Cal. Alt. 50%                      | 40%        |            |
|---|------------|------------|
| <input checked="" type="checkbox"/> 20k | <u>10k</u> | <u>8k</u>  |
| <input type="checkbox"/> 25k            | <u>12k</u> | <u>10k</u> |
| <input type="checkbox"/> 30k            | <u>15k</u> | <u>12k</u> |
| <input type="checkbox"/> 35k            | <u>18k</u> | <u>14k</u> |
| <input type="checkbox"/> 50k            | <u>25k</u> | <u>20k</u> |

WORK REQUESTED: CHECK CAL. ☐ STATIC SYSTEM REP. ☐  
 TESTED IN COMPLIANCE WITH F.A.R. 43 APP E. ☒  
 MAINTENANCE RELEASE SUPPLIED ☐

Test Equipment Used:

☐ Castleberry ☒ DPS450

Serial Number: 00576 Calibration Due 31 July 2014

Date: 7 Jul 2014 Technician: [Signature]

Inspector: [Signature]



CRS# 2PJR099M

NZZ9TT

ATC TRANSPONDER TEST AND INSPECTION DATA  
(FAR 43 APPENDIX F)

TRANSPONDER INFORMATION

Make: GARMIN

Model: GTX 33

Serial#: 89109413

011-00779-10  
TRANSPONDER DATA

|                           | <u>Pass/Fail</u> |                |     |
|---------------------------|------------------|----------------|-----|
| Mode A Code:              | <u>P</u>         |                |     |
| Mode C Code:              | <u>P</u>         |                |     |
| SLS Reply at 0db:         | <u>P</u>         |                |     |
| SLS Reply at 9db:         | <u>P</u>         |                |     |
| Ident Test:               | <u>P</u>         |                |     |
| Peak Power:               | <u>P</u>         | <u>251</u>     | W   |
| Frequency:                | <u>P</u>         | <u>1089.81</u> | Mhz |
| Pulse Width:              | <u>P</u>         |                |     |
| Inter Spacing:            | <u>P</u>         |                |     |
| Receiver Sensitivity MTL: | <u>P</u>         | <u>-73.3</u>   | dbm |

MODE S AUTOMATIC TESTING

PASS / FAIL / N/A

Transponder Test Set: I/R 6000

Calibration Date: 30 SEP 2013

Date: 7 July 2014

Technician: W. G. G. G.  
Inspector: G. S. S. S.

# AIRPLANE LOGBOOK

Aircraft Model G36 Serial Number E-3929  
Reg# N6029V Owner's Name \_\_\_\_\_

Cycle Aviation 1005 Sycolin Rd SE Leesburg Executive Arpt Leesburg, VA 20175 CRS# 6LVR604C  
LOG ID# 4339 23-August-2016 WO# 4513 FORM M3 HOBBS 566.5  
N229TT S/N E-3929 BEECH G36

Pg 1 / 1

> Removed the GTX 33 p/n 011-00779-10 s/n 89109413 and sent to factory for ES upgrade. Reinstalled modified GTX 33 p/n 011-00779-30 s/n 89109413. Backloaded software to version 6.11 to match manifest configuration. Loaded configuration files and tested. Modes A/C/S and ADS-B out check good using IFR 6000 and Garmin Pilot with GDL-39. The installed ADS-B OUT system was shown to meet the equipment performance requirements of 14 CFR section 91.227, and IAW 14 CFR Part 43 Appendix F. Weight and Balance change was negligible; this was a minor alteration IAW 14 CFR 21.93(a) and 14 CFR Part 1.1.

> Complied with Biennial IFR Certification in accordance with FAR Part 91.411 and Part 91.413, all parameters within limits of FAR Part 43 Appendix E & F. Data correspondence checked to 20,000' ft. Max Altitude checked to 20,000 ft. Pilot's GDC-74A ADC p/n 011-00882-10 s/n 20607862 reported by Garmin GTX-33 Transponder p/n 011-00779-30 s/n 89109413. Standby United Altimeter p/n 5934-3 s/n 475820.

The work identified above was performed in accordance with current Federal Aviation Regulations and current manufacturers manuals and is approved for return to service. Pertinent details on file at this repair station under above referenced work order.

**Signed: Thomas Herder**

# Hawker Beechcraft Corporation

## AIRPLANE LOGBOOK

### INSTRUMENT, STATIC AND AVIONICS CHECKS

Aircraft Model \_\_\_\_\_

Serial Number \_\_\_\_\_

Reg# \_\_\_\_\_

Owner's Name \_\_\_\_\_

| ITEM  | DATE | HOURS | CYCLES | INSPECTED BY | COMPLYING AGENCY | NOTATIONS | NEXT DUE |
|---|------|-------|--------|--------------|------------------|-----------|----------|
| <div> <div> SkyWorld Avionics LLC CRS 9MIR<br/>540-788-9300 </div> <div> 5083 Airport Road<br/>Midland, VA 22728 </div> </div> <p>N <u>229TT</u> Tach / Flight Hour Recorder <u>697.9</u> Test Date <u>10/10/2018</u></p> <p>I certify that the altimeter and static system tests required by 14 CFR part 91, § 91.411 and transponder tests, including data correspondence, required by § 91.413, have been performed and found to comply with 14 CFR part 43, appendices E and F.</p> <p>Altimeter #1 Make/Model <u>GARMIN GDC74A</u> Serial No. #1 <u>20607862</u><br/> Altimeter #2 Make/Model <u>UNITED 5934-3</u> Serial No. #2 <u>475820</u><br/> Transponder Make/Model #1 <u>GARMIN GTX-33ES</u> Serial No 1 <u>89109413</u><br/> Transponder Make/Model #2 <u>—</u> Serial No 2 <u>—</u><br/> Encoder Make/Model <u>GARMIN GDC74A</u> Serial No. <u>20607862</u><br/> The altimeter was tested to <u>29,000</u> feet<br/> Encoder data correspondence was Tested to <u>29,000</u> Date: <u>10/10/18</u><br/> Static system leak tested on: <u>10/10/18</u><br/> Signature <u>[Signature]</u> Certificate Number <u>CRS# 9MIR</u><br/> REV 1 SA-Form-3</p> |      |       |        |              |                  |           |          |
| <div> <div> SkyWorld Avionics LLC CRS 9MIR<br/>540-788-9300 </div> <div> 5060 Airport Road<br/>Midland, VA 22728 </div> </div> <p>N <u>229TT</u> Tach/Flight Hour Recorder: <u>808.0</u> Test Date: <u>10/6/2020</u></p> <p>I certify that the altimeter and static system tests required by 14 CFR Part 91, § 91.411, and transponder system tests including data correspondence required by §91.413 have been performed and found to comply with 14 CFR Part 43 Appendices E &amp; F.</p> <p>Altimeter #1 Make/Model <u>Garmin GTX74A</u> Serial # <u>20607862</u><br/> Altimeter #2 Make/Model <u>Unit 5934-3</u> Serial # <u>475820</u><br/> Transponder #1 Make/Model <u>Garmin GTX33ES</u> Serial # <u>89109413</u><br/> Encoder Make/Model <u>Garmin GTX74A</u> Serial # <u>20607862</u><br/> Data Correspondence and Altimeter was tested to: <u>29,000</u> ft.<br/> Signature <u>[Signature]</u> Certificate Number <u>9MIR</u><br/> Work Order No. <u>11987</u> REV 4 SA-Form-3</p>   |      |       |        |              |                  |           |          |

# AIRPLANE LOGBOOK

## Owner's Name

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# AIRPLANE LOGBOOK

## Owner's Name

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