

## 2018 PTAR

### IMPORTANT NOTICE

Since the introduction of the Data Logger SAPFA has gathered a large amount of race data on about 340 aircraft.

We have been hard at work developing the Formula that will;

- use the available data,
- level the playing field so that each competitor has a reasonable chance of winning,
- be applied consistently and fairly, without fear or favour.

The Formula to be used this year is detailed below and we invite competitors to use it to calculate their own handicaps either before or at any time during the weekend.

$$X=k(k.y^{-1}(1+(y.10^{-4}-0.01))+0.04)^{-1}$$

Where:

X = your Handicap in knots

k = the provisional course distance in nautical miles.

y = your best recorded 3D speed in knots

The 3D speed in the column listed below has come from historical data gathered by SAPFA and is your input (y) in the above formula, and is used to calculate your handicap.

The following adjustment will be made in terms of the **PTAR Race Rules and Regulations**.

If you exceed your 3D speed after a day's racing, the new 3D speed will automatically be entered into the Formula and it will calculate a revised handicap.

Any competitor whose handicap has been revised will be notified by the Race Director.

The Formula is designed to reward competitors who give it their best shot, and will frustrate competitors, who try to outsmart the system.

| Aircraft |                        | Tempe<br>3D<br>Speed | 588.522<br>H/cap<br>2018 |
|----------|------------------------|----------------------|--------------------------|
| A2-CVS   | Beech 55               | 190.90               | 186.78                   |
| A2-UFO   | Jabiru J430            | 119.70               | 118.5                    |
| N108JH   | Beech B55              | 185.30               | 181.47                   |
| N4217P   | Piper PA 23 160 Apache | 147.30               | 145.16                   |
| ZS-AAS   | Beech 58               | 195.60               | 191.23                   |
| ZS-ABC   | Piper PA 32 300C       | 141.60               | 139.67                   |
| ZS-ACA   | Cirrus SR 22           | 179.11               | 175.58                   |
| ZS-AFO   | Cessna 182T            | 145.30               | 143.24                   |
| ZS-ALE   | Cessna T182T           | 155.09               | 152.64                   |

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|--------|------------------------|--------|--------|
| ZS-ALS | Cessna 182T            | 144.30 | 142.27 |
| ZS-ALZ | Beech G36              | 175.10 | 171.77 |
| ZS-BAA | Socata TB 20           | 155.00 | 152.55 |
| ZS-BAI | Cessna 172S            | 128.90 | 127.42 |
| ZS-BJR | Beech A36              | 173.27 | 170.02 |
| ZS-BNA | Beech F33A             | 177.37 | 173.93 |
| ZS-BPD | Beech 58               | 200.50 | 195.86 |
| ZS-BPN | Cessna 210L            | 169.00 | 165.95 |
| ZS-CAP | Cirrus SR 20           | 153.70 | 151.31 |
| ZS-CBB | Piper PA 28 180E       | 124.81 | 123.46 |
| ZS-CBF | Mooney M20 C Mk 21     | 143.05 | 141.07 |
| ZS-CBJ | Mooney M20C            | 143.00 | 141.02 |
| ZS-CHL | Beech 58               | 199.74 | 195.14 |
| ZS-CHO | Beech J35              | 159.70 | 157.06 |
| ZS-CIR | Cessna 175             | 115.90 | 114.81 |
| ZS-CLP | Cirrus SR 22 T         | 177.52 | 174.07 |
| ZS-CNM | Cirrus SR22 Turbo      | 178.00 | 174.53 |
| ZS-CNY | Cessna 210 260hp       | 155.23 | 152.77 |
| ZS-CNZ | Cessna 172A            | 113.60 | 112.58 |
| ZS-COB | Cessna 206H            | 151.90 | 149.58 |
| ZS-CPB | Cirrus SR 22 G3        | 179.00 | 175.48 |
| ZS-CTP | Cirrus SR 20           | 151.48 | 149.18 |
| ZS-CTY | Cessna 172C            | 102.80 | 102.06 |
| ZS-CXY | Cessna 172D STOL       | 109.90 | 108.98 |
| ZS-DAM | Piper PA 28 235F       | 144.86 | 142.81 |
| ZS-DBP | Cessna 182P            | 130.69 | 129.15 |
| ZS-DOL | Cirrus SR 22 GTS       | 179.01 | 175.49 |
| ZS-DOT | Cirrus SR 22 G2        | 182.20 | 178.52 |
| ZS-DSU | Cessna 182G            | 134.60 | 132.92 |
| ZS-DVK | Beech S33              | 178.00 | 174.53 |
| ZS-DVN | Beech E55              | 199.50 | 194.92 |
| ZS-DVZ | Cessna 172E            | 105.73 | 104.92 |
| ZS-DWJ | Piper PA 28 235        | 136.40 | 134.66 |
| ZS-DYD | Mooney M20E            | 155.34 | 152.88 |
| ZS-DZZ | Piper PA 24 400        | 200.45 | 195.82 |
| ZS-EAY | Piper PA 28 235        | 140.50 | 138.61 |
| ZS-EBT | Piper PA 32 235        | 133.71 | 132.06 |
| ZS-ECK | Cessna 182H            | 137.20 | 135.43 |
| ZS-EFH | Piper PA 28 235        | 147.50 | 145.35 |
| ZS-EJS | Cessna 182H            | 136.48 | 134.74 |
| ZS-ELN | Piper PA 28 180        | 126.15 | 124.75 |
| ZS-EOI | Piper PA 28 180        | 125.81 | 124.42 |
| ZS-EOZ | Piper PA 28 140        | 123.33 | 122.02 |
| ZS-EPR | Cessna 182K            | 135.07 | 133.38 |
| ZS-ESP | Piper PA 34 220T Turbo | 185.60 | 181.75 |
| ZS-ETT | Cessna 182             | 135.63 | 133.92 |
| ZS-EUB | Mooney M20F            | 145.82 | 143.74 |
| ZS-EVB | Piper PA 30B           | 162.10 | 159.35 |
| ZS-EWA | Cessna 172M            | 117.30 | 116.17 |
| ZS-EXD | Mooney M20C Mk 21      | 139.40 | 137.55 |
| ZS-EXV | Piper PA 28 140        | 114.60 | 113.55 |
| ZS-EXY | Piper PA-32-300        | 146.00 | 143.91 |

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|--------|-------------------------|--------|--------|
| ZS-FDZ | Piper PA 28 235B        | 145.38 | 143.31 |
| ZS-FHM | Mooney M20G             | 147.70 | 145.54 |
| ZS-FIF | Cessna 172L             | 116.90 | 115.78 |
| ZS-FIW | Cessna 182 L            | 133.20 | 131.57 |
| ZS-FIY | Cessna 182L             | 134.60 | 132.92 |
| ZS-FJU | Cessna 172K             | 115.29 | 114.22 |
| ZS-FJV | Cessna 172K             | 116.40 | 115.3  |
| ZS-FMO | Piper PA 28 180D        | 125.40 | 124.03 |
| ZS-FOH | Piper PA 28 140         | 115.70 | 114.62 |
| ZS-FPI | Cessna 182M             | 138.00 | 136.2  |
| ZS-FSI | Cessna 182T             | 143.89 | 141.88 |
| ZS-FSR | Beech A36               | 175.10 | 171.77 |
| ZS-FVB | Piper PA-28 180R        | 140.00 | 138.13 |
| ZS-FVV | Piper PA 28 235C        | 138.89 | 137.06 |
| ZS-FWK | Piper PA 28R 200        | 141.95 | 140.01 |
| ZS-FYR | Piper PA 32 300C        | 145.38 | 143.31 |
| ZS-HJF | Piper PA 24 260C        | 166.16 | 163.24 |
| ZS-HME | Beech C33A              | 167.97 | 164.97 |
| ZS-HWW | Beech 58                | 200.20 | 195.58 |
| ZS-IAE | Cessna 182M             | 135.50 | 133.79 |
| ZS-IAG | Cessna 182N             | 138.00 | 136.2  |
| ZS-IBX | Beech E33               | 173.78 | 170.51 |
| ZS-IDX | Cessna 182K             | 134.10 | 132.44 |
| ZS-IEI | Piper PA 28 140C        | 118.24 | 117.09 |
| ZS-IFY | Cessna 177B             | 127.00 | 125.58 |
| ZS-IGY | Beagle B121             | 119.20 | 118.02 |
| ZS-IJL | Beech K35               | 173.32 | 170.07 |
| ZS-ILM | CessnaT210K             | 176.00 | 172.62 |
| ZS-IMX | Beech A 24 R            | 135.30 | 133.6  |
| ZS-IRL | Cessna 172N II          | 115.80 | 114.72 |
| ZS-ISP | Cirrus SR 22            | 179.27 | 175.74 |
| ZS-ISW | Piper PA 28R 200        | 138.90 | 137.07 |
| ZS-ITU | Beech C23               | 115.28 | 114.21 |
| ZS-IVD | Cessna 182P             | 137.16 | 135.39 |
| ZS-IWK | Cessna 182P II          | 136.20 | 134.47 |
| ZS-IXL | Grumman AA 5            | 117.60 | 116.46 |
| ZS-IYC | Cessna 182P             | 138.70 | 136.88 |
| ZS-IZG | Cessna 210M             | 168.79 | 165.75 |
| ZS-JBE | Beech F33A              | 174.00 | 170.72 |
| ZS-JDF | Cessna 177RG            | 139.46 | 137.61 |
| ZS-JEF | Piper PA 28 235         | 141.80 | 139.87 |
| ZS-JHH | Socata Rallye 235E      | 131.92 | 130.34 |
| ZS-JIE | Cirrus SR 22            | 186.94 | 183.02 |
| ZS-JIM | Cessna C172B            | 114.00 | 112.97 |
| ZS-JKY | Mooney M20F             | 148.40 | 146.22 |
| ZS-JLT | Cessna 182P II          | 139.50 | 137.65 |
| ZS-JLW | Piper PA 23E 250T Turbo | 191.60 | 187.44 |
| ZS-JMV | Cessna 177 RG           | 139.00 | 137.17 |
| ZS-JTA | Cessna FR172J           | 130.80 | 129.25 |
| ZS-JTG | Cessna 182 QII          | 140.92 | 139.02 |
| ZS-JUO | Cessna 172K             | 114.40 | 113.36 |
| ZS-JWG | Cessna 182P             | 139.96 | 138.09 |

|        |                        |        |        |
|--------|------------------------|--------|--------|
| ZS-JYJ | Beech A36              | 170.67 | 167.54 |
| ZS-JZZ | Piper PA 34 200T Turbo | 168.50 | 165.47 |
| ZS-KAJ | Beech A36              | 170.13 | 167.03 |
| ZS-KCS | Beech 58               | 198.64 | 194.1  |
| ZS-KHM | Piper PA 32 300        | 138.93 | 137.1  |
| ZS-KHO | Piper PA44             | 165.00 | 162.13 |
| ZS-KHX | Piper PA 34 200T Turbo | 177.30 | 173.86 |
| ZS-KJB | Cessna 210N            | 174.41 | 171.11 |
| ZS-KJF | Cessna R182 RG II      | 157.56 | 155.01 |
| ZS-KKT | Piper PA 34 200T       | 178.70 | 175.19 |
| ZS-KLY | Beech F33A             | 174.45 | 171.15 |
| ZS-KMN | Beech 58               | 196.00 | 191.61 |
| ZS-KOB | Piper PA 28 235        | 141.59 | 139.67 |
| ZS-KOV | Cessna 182Q II         | 139.20 | 137.36 |
| ZS-KPU | Aero Comm 500B         | 179.60 | 176.05 |
| ZS-KSO | Cessna 182Q II         | 138.90 | 137.07 |
| ZS-KSW | Cessna 182R II         | 141.46 | 139.54 |
| ZS-KSZ | Cessna R182 RG II      | 155.80 | 153.32 |
| ZS-KTN | Piper PA 28RT 201T     | 154.57 | 152.14 |
| ZS-KTO | Aerostar 600A          | 214.60 | 209.15 |
| ZS-KUT | Cessna 210N            | 165.07 | 162.19 |
| ZS-KVT | Cessna 172 RG II       | 129.20 | 127.71 |
| ZS-KYK | Cessna 172 RG II       | 131.00 | 129.45 |
| ZS-LAI | Cessna R182 RG II      | 152.20 | 149.87 |
| ZS-LCP | Piper PA 34 200T       | 167.70 | 164.71 |
| ZS-LGZ | Cessna TR182           | 160.00 | 157.34 |
| ZS-LIX | Beech B55              | 189.80 | 185.74 |
| ZS-LLH | Cessna 182B            | 136.16 | 134.43 |
| ZS-LLX | Piper PA 28R 201T      | 158.80 | 156.2  |
| ZS-LML | Cessna 182T            | 147.76 | 145.6  |
| ZS-LOM | Cessna 210N STO        | 171.67 | 168.5  |
| ZS-LON | Piper PA28-181         | 133.30 | 131.67 |
| ZS-LPA | Mooney M20F            | 150.30 | 148.04 |
| ZS-LVU | Cessna T210N           | 175.00 | 171.67 |
| ZS-LXJ | Beech F33 A            | 170.50 | 167.38 |
| ZS-LXO | Beech 58               | 196.64 | 192.21 |
| ZS-LXU | Beech F33A             | 173.01 | 169.77 |
| ZS-LYD | Cessna T210 M          | 179.30 | 175.76 |
| ZS-LYE | Cessna 210M STOL       | 180.00 | 176.43 |
| ZS-LYY | Piper PA 34 200T Turbo | 172.80 | 169.57 |
| ZS-MDE | Piper PA 28R 180       | 140.03 | 138.16 |
| ZS-MDK | Piper PA 34 200T       | 179.16 | 175.63 |
| ZS-MEA | Piper PA 28R 201T      | 162.41 | 159.65 |
| ZS-MEJ | Cessna T210M Turbo     | 182.78 | 179.07 |
| ZS-MEW | Piper PA 32 300        | 141.40 | 139.48 |
| ZS-MFD | Beech E55              | 196.19 | 191.79 |
| ZS-MFG | Beech 58               | 206.30 | 201.34 |
| ZS-MIA | Cessna 210L            | 162.80 | 160.02 |
| ZS-MJN | Cessna 210M            | 166.24 | 163.31 |
| ZS-MJR | Navion H               | 154.60 | 152.17 |
| ZS-MKB | Cessna T210M Turbo     | 181.85 | 178.19 |
| ZS-MLC | Cessna 210L            | 166.90 | 163.94 |

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|--------|----------------------------|--------|--------|
| ZS-MLE | C172                       | 127.90 | 126.45 |
| ZS-MOR | Cessna 210N                | 168.50 | 165.47 |
| ZS-MRF | Cessna 177 RG II           | 139.70 | 137.84 |
| ZS-MSP | Cessna 172R                | 124.00 | 122.67 |
| ZS-MST | Piper PA 28 180 C          | 128.80 | 127.32 |
| ZS-MSW | Cessna 182F                | 137.80 | 136.01 |
| ZS-MTR | Cessna 210M*               | 165.00 | 162.13 |
| ZS-MUH | Piper PA 34 200T           | 174.20 | 170.91 |
| ZS-MVH | Cessna 210N                | 166.60 | 163.66 |
| ZS-MWO | Mooney M20J                | 162.05 | 159.31 |
| ZS-MYB | Beech BE33                 | 174.35 | 171.05 |
| ZS-MYN | Beech V35A                 | 177.00 | 173.58 |
| ZS-MYT | Cessna 172RK               | 125.99 | 124.6  |
| ZS-NAB | RV 8                       | 178.26 | 174.77 |
| ZS-NBT | Cessna A150M               | 109.60 | 108.69 |
| ZS-NDO | Cessna 177RG               | 136.52 | 134.78 |
| ZS-NEH | Cessna 180H                | 136.02 | 134.29 |
| ZS-NEW | Piper PA32-300R            | 160.00 | 157.34 |
| ZS-NFI | Beech A36                  | 178.70 | 175.19 |
| ZS-NHR | Piaggio P166S Super/Charge | 178.50 | 175    |
| ZS-NJC | Grumman AG 5B              | 132.10 | 130.51 |
| ZS-NOI | Cessna 182 L               | 138.50 | 136.69 |
| ZS-NOY | Cessna 182P II             | 133.40 | 131.77 |
| ZS-NPB | Cessna 177B                | 118.00 | 116.85 |
| ZS-NSL | Cessna U206 D              | 141.85 | 139.92 |
| ZS-NSM | Cessna U206D               | 136.80 | 135.05 |
| ZS-NUL | Cessna T210 L* T/Stop      | 165.49 | 162.6  |
| ZS-NXE | Piper PA 28RT 201T         | 161.50 | 158.78 |
| ZS-NYU | Mooney M20C                | 145.56 | 143.49 |
| ZS-NZL | Beech 58                   | 197.00 | 192.55 |
| ZS-OBC | Cessna 210                 | 176.14 | 172.76 |
| ZS-OFH | Piper PA 32R 301T          | 177.05 | 173.62 |
| ZS-OMJ | Piper PA 32 260            | 140.20 | 138.33 |
| ZS-OOG | Beech B55                  | 196.00 | 191.61 |
| ZS-ORZ | Cessna 182 A               | 128.20 | 126.74 |
| ZS-OSM | Cessna 340A II             | 193.30 | 189.05 |
| ZS-OSV | Piper PA 34 220T Turbo     | 178.40 | 174.91 |
| ZS-OXZ | Cessna 182T                | 149.37 | 147.15 |
| ZS-PAS | Beech B55                  | 193.20 | 188.96 |
| ZS-PBK | Beech 58                   | 198.10 | 193.59 |
| ZS-PBX | Mooney M20F                | 148.00 | 145.83 |
| ZS-PDN | Aerostar 600               | 208.80 | 203.69 |
| ZS-PFD | Cirrus SR22 T              | 184.26 | 180.48 |
| ZS-PFN | Beech H35                  | 162.08 | 159.34 |
| ZS-PFO | Cessna 182K                | 142.60 | 140.64 |
| ZS-PJK | Beech F33A                 | 177.10 | 173.67 |
| ZS-PJP | Christen A 1B              | 122.00 | 120.73 |
| ZS-PKI | Cessna 210L                | 167.10 | 164.13 |
| ZS-PKL | Cessna T 337H P II         | 171.30 | 168.14 |
| ZS-PLE | Cirrus SR 22               | 181.86 | 178.2  |
| ZS-PPE | Alpha Robin R2160i         | 132.00 | 130.41 |
| ZS-PTC | Beech E55                  | 207.90 | 202.85 |

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|--------|-----------------------|--------|--------|
| ZS-PUP | Christian A-1         | 117.64 | 116.5  |
| ZS-PWC | Cessna C182P          | 139.50 | 137.65 |
| ZS-PWO | Cirrus SR 22          | 180.25 | 176.67 |
| ZS-PYI | Cessna 210L           | 166.33 | 163.4  |
| ZS-PYK | Beech C33A            | 171.50 | 168.33 |
| ZS-PZG | Beech A36             | 170.70 | 167.57 |
| ZS-RIO | Cessna 182P*          | 134.20 | 132.54 |
| ZS-RMA | Beech F33A            | 175.30 | 171.96 |
| ZS-RTB | Piper PA 28R 200      | 140.75 | 138.86 |
| ZS-SCY | Cirrus SR 22 G3       | 181.00 | 177.38 |
| ZS-SDR | Piper PA 28 181       | 131.90 | 130.32 |
| ZS-SDW | Diamond DA 42 Tdi     | 169.41 | 166.34 |
| ZS-SGK | Bellanca 8KCAB        | 109.07 | 108.17 |
| ZS-SHV | Cessna 172N II        | 118.30 | 117.14 |
| ZS-SNS | Cessna 172M           | 117.00 | 115.88 |
| ZS-SPO | Cessna 172M           | 115.40 | 114.33 |
| ZS-SRC | Cirrus SR 22 G2       | 175.00 | 171.67 |
| ZS-SVW | Cessna T210L          | 178.00 | 174.53 |
| ZS-TCC | Cirrus SR 22 T        | 178.04 | 174.57 |
| ZS-TDI | Diamond DA42          | 169.41 | 166.34 |
| ZS-TMT | Cessna 182P II        | 135.30 | 133.6  |
| ZS-TZN | Cessna 182S           | 144.30 | 142.27 |
| ZS-VIS | Cessna T210R          | 187.12 | 183.19 |
| ZS-VSA | Cessna 402B           | 204.00 | 199.17 |
| ZS-WAP | Piper PA 28R 200      | 141.80 | 139.87 |
| ZS-WBT | Glasair III           | 222.35 | 216.43 |
| ZS-WZU | Lancair 360           | 202.00 | 197.28 |
| ZU-ACY | Bosbok                | 126.69 | 125.28 |
| ZU-AFP | Cessna 172D           | 127.96 | 126.51 |
| ZU-BHX | Piper PA 22 150       | 114.59 | 113.54 |
| ZU-BYS | RV 4                  | 167.00 | 164.04 |
| ZU-CCO | Samba UFM 10          | 124.30 | 122.96 |
| ZU-CHI | RV 8                  | 179.80 | 176.24 |
| ZU-CMJ | Jabiru SP             | 107.60 | 106.74 |
| ZU-DCB | Lancair Legacy        | 224.78 | 218.71 |
| ZU-DIY | Kappa 2U Sabre        | 110.00 | 109.08 |
| ZU-DJC | RV 8                  | 185.40 | 181.56 |
| ZU-DRF | Van's RV9A            | 165.00 | 162.13 |
| ZU-DTB | Dyn Aero MCR 4S Turbo | 135.30 | 133.6  |
| ZU-DUU | jabiru J400           | 122.57 | 121.29 |
| ZU-DWS | Dynamic WT 9          | 135.70 | 133.99 |
| ZU-DZB | Jabiru J160           | 101.50 | 100.79 |
| ZU-EAR | RV 7                  | 165.99 | 163.07 |
| ZU-EEI | Tecnam P2002 Sierra   | 114.50 | 113.45 |
| ZU-EIE | Jabiru J430           | 125.68 | 124.3  |
| ZU-EKR | Tecnam P2002 Sierra   | 107.60 | 106.74 |
| ZU-ESS | Jabiru J430           | 124.10 | 122.77 |
| ZU-EYP | RV 7                  | 175.93 | 172.56 |
| ZU-EYZ | Alpi P200S            | 115.80 | 114.72 |
| ZU-EZL | Samba XL              | 125.20 | 123.83 |
| ZU-EZX | Jabiru J430           | 117.69 | 116.55 |
| ZU-FBJ | Sportstar             | 115.00 | 113.94 |

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|--------|------------------------------|--------|--------|
| ZU-FBX | Jabiru J430                  | 118.40 | 117.24 |
| ZU-FCE | RV 8                         | 184.68 | 180.88 |
| ZU-FHM | RV 8                         | 183.73 | 179.98 |
| ZU-FHZ | Vans RV6A                    | 177.04 | 173.61 |
| ZU-FND | RV 9A                        | 156.40 | 153.9  |
| ZU-FNI | RV 10                        | 179.00 | 175.48 |
| ZU-FNN | Sling                        | 108.40 | 107.52 |
| ZU-FNV | Pipistrel Virus SW 100 Turbo | 137.20 | 135.43 |
| ZU-FRX | Sling F D 6 Turbo            | 127.72 | 126.27 |
| ZU-FSP | Sling 2                      | 122.94 | 121.64 |
| ZU-FUB | Sling 2 100                  | 110.77 | 109.82 |
| ZU-FUM | Pipistrel Virus SW 100       | 138.26 | 136.46 |
| ZU-FVA | Jabiru J430                  | 120.51 | 119.29 |
| ZU-FWA | RV 7                         | 177.19 | 173.76 |
| ZU-FWB | RV 10                        | 176.42 | 173.02 |
| ZU-FWY | Sling 2                      | 117.59 | 116.45 |
| ZU-FZJ | RV 6A                        | 170.44 | 167.32 |
| ZU-IBM | Sling 4                      | 123.00 | 121.7  |
| ZU-IFY | Sling                        | 113.59 | 112.57 |
| ZU-IHH | RV 7A                        | 171.83 | 168.65 |
| ZU-IHI | RV 7                         | 176.81 | 173.39 |
| ZU-IHK | Sling 2                      | 115.00 | 113.94 |
| ZU-IMA | RV 7                         | 180.10 | 176.53 |
| ZU-ISC | RV 7A                        | 176.71 | 173.3  |
| ZU-JAD | RV 7A                        | 168.00 | 164.99 |
| ZU-JHA | RV 6                         | 175.30 | 171.96 |
| ZU-JMO | Glasair III                  | 220.00 | 214.23 |
| ZU-JTX | RV 10                        | 177.51 | 174.06 |
| ZU-JUR | RV 7                         | 176.80 | 173.38 |
| ZU-JVZ | Jabiru J400                  | 125.53 | 124.15 |
| ZU-KAI | Flight Design CT SW          | 123.08 | 121.78 |
| ZU-KIS | TR 4 KIS                     | 139.92 | 138.06 |
| ZU-KKL | Jabiru                       | 126.00 | 124.61 |
| ZU-KLC | TR 4 KIS                     | 139.70 | 137.84 |
| ZU-KLT | RV 7                         | 176.00 | 172.62 |
| ZU-LAX | RV 7A                        | 176.92 | 173.5  |
| ZU-LEB | Lancair 360                  | 201.20 | 196.52 |
| ZU-LEG | lancair 2000                 | 228.70 | 222.38 |
| ZU-LHD | RV 8                         | 178.95 | 175.43 |
| ZU-LNI | Dyn Aero MCR 4S              | 135.30 | 133.6  |
| ZU-MBD | BD 4C                        | 163.70 | 160.89 |
| ZU-MDB | RV 8                         | 181.60 | 177.95 |
| ZU-MEL | jabiru J430                  | 125.48 | 124.11 |
| ZU-MER | RV 7A T/Stop                 | 166.20 | 163.27 |
| ZU-MGB | Sling 2 100                  | 115.10 | 114.04 |
| ZU-MIF | Tecnam P92 S Echo            | 102.20 | 101.47 |
| ZU-MJB | Alpi P300S Std               | 136.60 | 134.85 |
| ZU-MPH | RV 8                         | 176.72 | 173.31 |
| ZU-NAT | Alpi 300 Hawk                | 136.20 | 134.47 |
| ZU-NIK | RV 7                         | 176.80 | 173.38 |
| ZU-NRC | Sling F D 6                  | 116.00 | 114.91 |
| ZU-NRV | RV 8                         | 171.20 | 168.05 |

|               |                 |        |        |
|---------------|-----------------|--------|--------|
| <b>ZU-NTC</b> | RV 7A           | 170.50 | 167.38 |
| <b>ZU-ORV</b> | RV 7A           | 169.87 | 166.78 |
| <b>ZU-PWH</b> | Sling 4         | 125.61 | 124.23 |
| <b>ZU-RVF</b> | RV 4            | 177.50 | 174.05 |
| <b>ZU-RVI</b> | RV 10           | 177.65 | 174.19 |
| <b>ZU-RVP</b> | RV 4            | 177.00 | 173.58 |
| <b>ZU-SAX</b> | Van's RV10      | 177.00 | 173.58 |
| <b>ZU-SFA</b> | RV 7A           | 173.13 | 169.89 |
| <b>ZU-SLF</b> | Sling 4         | 125.00 | 123.64 |
| <b>ZU-SNG</b> | Sling 2 914T    | 125.81 | 124.42 |
| <b>ZU-TAE</b> | Sling F D 6     | 110.90 | 109.95 |
| <b>ZU-TAF</b> | Sling F 4 Turbo | 118.40 | 117.24 |
| <b>ZU-TCD</b> | RV 10 * T/Stop  | 174.62 | 171.31 |
| <b>ZU-VNE</b> | RV 7            | 181.70 | 178.05 |
| <b>ZU-VON</b> | Glasair GS 2    | 139.80 | 137.94 |
| <b>ZU-VRV</b> | RV 7            | 171.01 | 167.87 |
| <b>ZU-WIN</b> | RV 7            | 177.40 | 173.96 |
| <b>ZU-WRJ</b> | Sling F D Turbo | 126.00 | 124.61 |
| <b>ZU-XML</b> | SA Ravin 500    | 182.45 | 178.76 |
| <b>ZU-YUM</b> | Lancair 360     | 195.80 | 191.42 |