**BEFORE START**

1. Preflight inspection . . . . . . . . . . . . . . . . complete

2. Passenger harnesses, doors & egress . . . . briefed

3. Rear door . . . . . . . . . . . . . . . . . closed and locked

4. Front canopy . . . . . . . . . . . . . . . . . position 1 or 2

5. Adjustable backrests . . . . . . . . . . . . . . . . . upright

6. Rudder pedals . . . . . . . . . . . . . . . . . . . . . adjusted

7. Safety harnesses . . . . . . . . . . . . . . . . . . . fastened

8. POWER levers . . . . . . . . . . . . . . . . . . . . . . IDLE

9. Parking brake . . . . . . . . . . . . . . . . . . . . . . . . . . set

10. AVIONIC MASTER . . . . . . . . . . . . . . . . OFF

11. GEAR selector . . . . . . . . . . . . . . . . . . . DOWN

12. VOTER switch . . . . . . . . . . . . . . . . . . . . AUTO

13. ALTERNATORS . . . . . . . . . . . . . . . . . . . . . ON

14. Fuel pumps . . . . . . . . . . . . . . . . . . . . . . . . OFF

15. ELECT. MASTER . . . . . . . .. . . . . . . . . . . . ON

16. G1000, after power-up . . . . . . . . . . . . . . . ENT

17. Fuel temperature . . . . . . . . . . . . . . . . . checked

**ENGINE START**

1. Strobe lights (ACL) . . . . . . . . . . . . . . . . . . . . ON

2. ENGINE MASTER . . . . . . . . . . . . . . . . . . . . ON

3. Annunciations. . . . . . . "L ENGINE GLOW" ON

4. Annunciations / Engine / System Page . .checked

*After the L ENGINE GLOW extinguishes:*

5. START KEY . . . . . . . . . . . . . . . START / release

6. Annunciations / Engine / System Page . . checked

7. Annunciations / Starter . . . . . . . . . . . . . . . . . OFF

8. Annunciations / Oil pressure . . . . . . . . . . . . . OK

*If oil pressure in red > 3 seconds . . . ENGINE MASTER to OFF*

9. Circuit breakers . . . . . . . . . . . . . . . . . . . . checked

10. Idle RPM . . . . . . . . . . . . . . . . . . 710 ± 30 RPM

*Repeat for right engine*

**BEFORE TAXI**

0. FUEL SELECTORS . . . . . . . . . . . CROSSFEED

1. Power lever . . . max 50% if engine temp < green

2. AVIONIC MASTER . . . . . . . . . . . . . . . . . . . .ON

3. Air conditioning & electrical eqp . . . . as required

a. Stratus 2S . . . . . . . . . . . . . . . . . . . . . . . . . . ON

b. iPad WiFi . . . . . . . . . . . . . . Link to Stratus 2S

4. Flight instruments and avionics . . . . . . . . . . . . set

5. Flood light . . . . . . . . . . . . . . . . . . . . . . . ON, test

6. Pitot and stall warn heating . . . ON, annunciated

7. Pitot and stall warn heating . . . . . . . . . . . . . .OFF

8. Strobe lights (ACL) . . . . . . . . . . . . . checked ON

9. Position, landing, and taxi lights . . . . as required

10. PFD . . . NO AUTOPILOT ANNUNCIATIONS

11. Autopilot disconnect tone . . . . . . . . . . . . noted

12. MANUAL ELECTRIC TRIM . . . . . . . . . tested

13. AUTOPILOT . . . . . . . . . . . . . . . . . . . . engaged

14. AP DISC switch . . . . . . . . . . . . . . . . . . . pressed

15. TRIM . . . . . . . . . . . . . . . . . . . . . . . . . . . take-off

**TAXI**

1. Parking brake . . . . . . . . . . . . . . . . . . . . . released

2. Brakes . . . . . . . . . . . . . . . . . . . . . . . . . . . . . tested

3. Nose wheel steering . . . . . . . . . . . . . . . . checked

4. Flight instrumentation and avionics . . . . checked

5. Fuel pumps LH/RH . . . . . . . . . . . . checked OFF

6. FUEL SELECTORS . . . CROSSFEED for 30 sec

7. FUEL SELECTORS . . . . . . . . . . . . . . . . . . . ON

**BEFORE TAKE-OFF**

1. Airplane position . . . . . . . . . into wind if possible

2. Parking brake . . . . . . . . . . . . . . . . . . . . . . . . . . set

3. Adjustable backrests . . . . . . . . . . . . . . . . . upright

4. Safety harnesses . . . . . . . . . . . . . . . . . . . fastened

5. Rear door . . . . . . . . . . . . . . . . closed and locked

6. Front canopy . . . . . . . . . . . . . . closed and locked

7. Front baggage doors . . . . . . . . . . . . . . . . . closed

8. Door warning (DOOR) . . . . . . . . . . no indication

9. Annunciations / Engine / System Page . . checked

*oil pressure may be in the yellow with a warm engine at idle*

10. Circuit breakers . . . . . . . . . . . . . . . . . . . checked

11. Longitudinal trim . . . . . . . . . . . . . . . . . . . . . T/O

12. FUEL SELECTORS . . . . . . . . . . . checked ON

13. Rudder trim . . . . . . . . . . . . . . . . . . . . . . . neutral

14. FLAPS . . . . . . . . . . . . . . . . . . . . checked & UP

15. Flight controls . . . . . . . . . . . . . . . . . . . . checked

16. Pitot heat . . . . . . . . . . . . . . . . . . .ON, if required

17. Landing light . . . . . . . . . . . . . . . ON, if required

**ECU / FUEL PUMPS TEST**

1. Power lever . . . . . . . . . . . . . . . . . . . . . . . . . IDLE

2. Propeller RPM . . . . . . . . . . . . . below 1000 RPM

3. Fuel pumps . . . . . . . . . . . . . . . . . . . checked OFF

4. VOTER switch . . . . . . . . . . . . . . checked AUTO

5. Engine oil/gearbox temperature . . . . in the green

6. Parking brake . . . . . . . . . . . . . . . . . . checked set

7. ECU TEST button . . . . . . . . . . . . . press and hold

8. ECU TEST button . . . . . . . . . . . . . . . . . . . release

9. VOTER switch . . . . . . . . . . . . . . . . . . . . . ECU A

10. Engine . . . . . . . . . . . . . . . . . . . . . . . . . . checked

11. VOTER switch . . . . . . . . . . . . . . . . . . . . AUTO

12. Engine . . . . . . . . . . . . . . . . . . . . . . . . . . checked

13. VOTER switch . . . . . . . . . . . . . . . . . . . . ECU B

14. Engine . . . . . . . . . . . . . . . . . . . . . . . . . . checked

15. VOTER switch . . . . . . . . . . . . . . . . . . . . AUTO

16. Parking brake . . . . . . . . . . . . . . . . . . . . released

**AVAILABLE POWER CHECK**

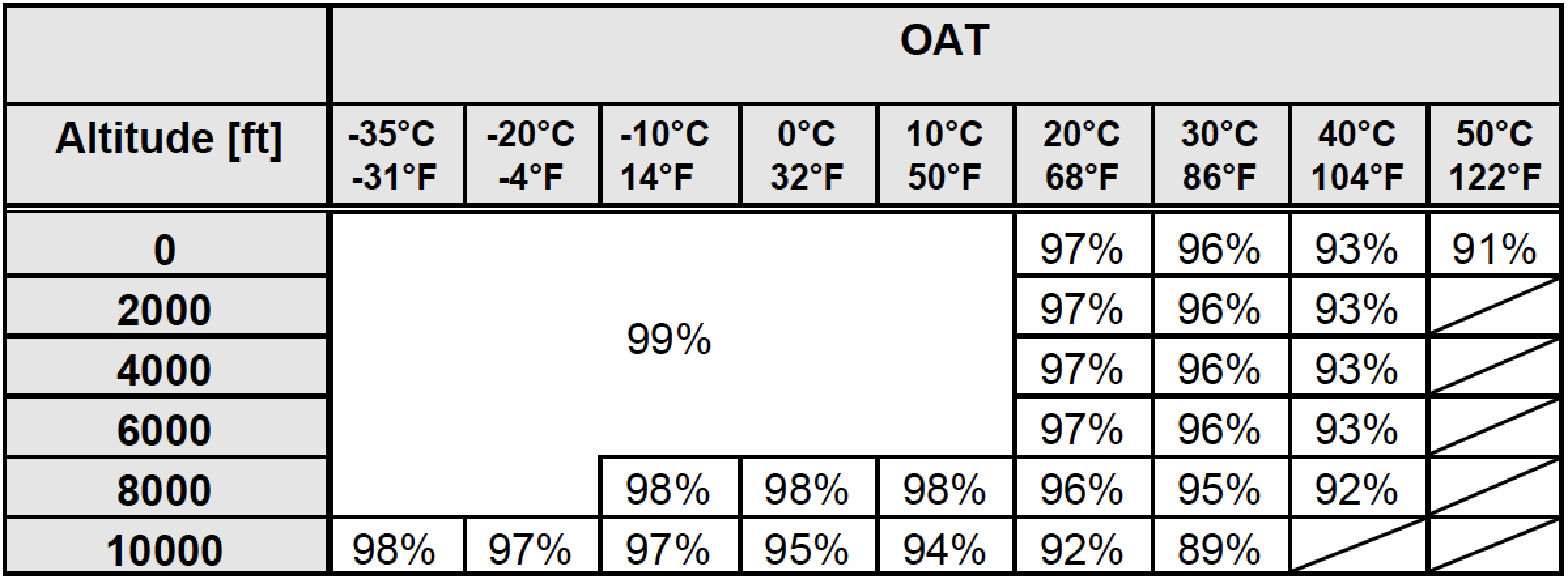
1. POWER lever . . . . . . . . . . . . . . MAX for 10 sec

2. Annunciations . . . . . . . . . . . . OK / normal range

3. Instruments . . . . . . . . . . . . . . . . . . . . . . . checked

4. RPM . . . . . . . . . stabilized at 2250 to 2300 RPM

5. LOAD indication . . . . stabilizes at 89% to 100%



6. POWER lever . . . . . . . . . . . . . . . . . . . . . . . IDLE

7. Engine instruments . . . . . . . . . . . . . . in the green

8. Fuel pumps . . . . . . . . . . . . . . . . . . . . . . . . . . . ON

**BEFORE TAKEOFF**

**F**laps . . . . . . . . . . . . . . . . . . . . . . . . . . . . as required

**L**ights . . . . . . . . . . . . . . . . . . . . . . landing lights on

**A**ir Conditioner . . . . . . . . . . . . . . . . . . . . . . . . . . off

**P**umps . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . on

**Note Time – REC Track Log**

**AFTER TAKEOFF**

**G**ear . . . . . . . . . . . . . . . . . . . . . . . . . . . . up, no red

**F**laps . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . up

**L**ights . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . off

**A**ir Conditioner . . . . . . . . . . . . . . . . . . . as required

**A**lternate Air . . . . . . . . . . . . . . . . . . . . . as required

**P**itot Heat . . . . . . . . . . . . . . . . . . . . . . . . as required

|  |  |
| --- | --- |
| **KCC0 -KAAF** | |
| CCO Airport Services  (770) 254-8102 | |
| KCCO AWOS | 118.97 |
| KCCO CTAF | 122.7 |
| ATL Appch | 119.8 |
| (678) 364-6131 | |
| ATL Appch | 125.5 |
| Cairns Appch | 125.4 |
| Cairns Appch | 133.75 |
| JAX Center | 134.3 |
| Tyndall Appch | 125.2 |
| Tyndall Appch | 124.15 |
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**IFR FLIGHT PLAN**

800 992-7433

N42DX

DA42/G

\_\_\_\_ Knots

Departing \_\_\_\_\_\_\_

At \_\_\_\_\_\_\_ Z

\_\_\_\_\_\_\_\_ thousand

Direct \_\_\_\_\_\_\_\_

Direct \_\_\_\_\_\_\_\_

Landing \_\_\_\_\_\_

\_\_\_\_\_ time enroute

\_\_\_\_\_ hours fuel

(Alternate \_\_\_\_\_\_ )

Robert Kasper

Based KAAF

Phone:678 438-4322

\_\_ Souls on board

Color: white

**P**umps . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . off

**P**ower . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 92%

**APPROACH & LANDING**

1. Adjustable backrests . . . . . . . . . . . . . . . . . upright

2. Safety harnesses . . . . . . . . . . . . . . . . . . . fastened

3. Yaw damper . . . . . . . . . . . . . . . . . . . . . . . . . OFF

4. Controls . . . . . . . . . . . . . . . . . . . . no interference

6. Gear warning horn . . . . . . . . . . . . . . . . . checked

7. FUEL SELECTORS . . . . . . . . . . . . . . . . . . . ON

10. Parking brake . . . . . . . . . . . . . . . . . . . . released

11. Rudder trim . . . . . . . . . . . . . . . . . . . . . . . neutral

**G**ear . . . . . . . . . . . . . . . . . . . down, 3 green, no red

**F**laps . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . LDG

**L**ights . . . . . . . . . . . . . . . . . . . . . . landing lights on

**A**ir Conditioner . . . . . . . . . . . . . . . . . . . . . . . . . . off

**P**umps . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . on

**GO AROUND**

1. POWER lever . . . . . . . . . . . . . . . . . . . . . . . MAX

2. FLAPS . . . . . . . . . . . . . . . . . . . . . . . . . . . . . APP

3. Airspeed . . . . . . . . . . . . . . . . . . . . . 92 KIAS min

*positive rate:*

4. Landing gear . . . . . . . . . . . . . . . . . . . . . . . . . . UP

5. FLAPS . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . UP

*safe climb established:*

6. Fuel pumps . . . . . . . . . . . . . . . . . . . . . . . . . . OFF

**AFTER LANDING**

**Note Time – End REC Track Log**

1. POWER lever . . . . . . . . . . . . . . . . . . . . . . . IDLE

2. Brakes . . . . . . . . . . . . . . . . . . . . . . . . . as required

3. ALTERNATE AIR . . . . . . . . . . . . . . . . CLOSED

4. Transponder . . . . . . . . . . . . . . . . . . . OFF / STBY

5. Pitot heat . . . . . . . . . . . . . . . . . . . . . . . . . . . . OFF

6. Avionics . . . . . . . . . . . . . . . . . . . . . . . as required

7. Lights . . . . . . . . . . . . . . . . . . . . . . . . . as required

8. FLAPS . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . UP

9. Fuel pumps . . . . . . . . . . . . . . . . . . . . . . . . . . OFF

**SHUT-DOWN**

1. Parking brake . . . . . . . . . . . . . . . . . . . . . . . . . . set

2. POWER lever . . . . . . 1 minute at 10 % load max

3. Engine/System Page . . . . . . . . . . . . . . . . checked

4. ELT . . . . . . . . . . . . . . . . . . . . . . . not transmitting

5. AVIONIC MASTER . . . . . . . . . . . . . . . . . . OFF

6. Electrical consumers . . . . . . . . . . . . . . . . . . . OFF

7. ENGINE MASTER . . . . . . . . . . . . . . . . . . . OFF

8. Anti collision lights (ACL) . . . . . . . . . . . . . . OFF

*after engine indications are red X'd:*

9. ELECT. MASTER . . . . . . . . . . . . . . . . . . . . OFF