

## 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%

Altitude [ft]	OAT									
	-35°C -31°F	-20°C -4°F	-10°C 14°F	0°C 32°F	10°C 50°F	20°C 68°F	30°C 86°F	40°C 104°F	50°C 122°F	
0	99%					97%	96%	93%	91%	
2000						97%	96%	93%		
4000						97%	96%	93%		
6000						97%	96%	93%		
8000			98%	98%	98%	96%	95%	92%		
10000	98%	97%	97%	95%	94%	92%	89%			

6. POWER lever . . . . . IDLE
7. Engine instruments . . . . . in the green
8. Fuel pumps . . . . . ON

## BEFORE TAKEOFF

- Flaps . . . . . as required
- Lights . . . . . landing lights on
- Air Conditioner . . . . . off
- Pumps . . . . . on

**Note Time – REC Track Log**

## AFTER TAKEOFF

- Gear . . . . . up, no red
- Flaps . . . . . up
- Lights . . . . . off
- Air Conditioner . . . . . as required
- Alternate Air . . . . . as required
- Pitot Heat . . . . . as required
- Pumps . . . . . off
- Power . . . . . 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
- Gear . . . . . down, 3 green, no red
- Flaps . . . . . LDG
- Lights . . . . . landing lights on
- Air Conditioner . . . . . off
- Pumps . . . . . 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

### 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: \_\_\_\_\_  
\_\_\_ Souls on board  
Color: white

### KCCO -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
(850) 283-3353	
KAAF ASOS	119.92
KAAF CTAF	122.8
Crystal Air (850) 653-1366	