

## **GBNY CHECKLIST**

### **BEFORE ENGINE START**

Preflight inspection..... Complete  
Baggage.....Secure  
PAX Briefing..... Complete  
Seatbelts.....Secure  
Door and Baggage Door...Closed & latched  
Flaps..... Up  
Electrics/Radios..... Off  
Circuit breakers..... In  
Hobbs..... Note time  
SPOT Tracker ..... ON

### **ENGINE START**

Brakes..... Set  
Fuel selector..... Fullest Tank  
Throttle..... Open 1/4 inch  
Mixture..... Rich  
Carb Heat..... Cold  
Prime.....As required (No prime when hot)  
Prop area..... Clear  
Master..... On  
Fuel Pump..... On  
Beacon..... On  
Magnetos..... Start, 800 RPM  
Oil pressure..... Green, 1000 RPM

## **PRE TAXI**

Lights..... As required  
Radio Master..... On  
Intercom..... Set  
Transponder..... Standby, 1200  
Avionics..... On, set, Radio Call  
Altimeter / Heading..... Set  
Brakes..... Check  
Flight instruments..... Taxi check

## **RUN-UP**

Aircraft..... Clear behind/Into wind Park  
Brakes..... Set  
Throttle..... 2000 RPM  
Magnetos.....Max drop 175 RPM / Max diff. 50 RPM  
Fuel Pump..... Off  
Fuel Pressure..... Check  
Oil Pressure and Temp... Green  
Annunciator Pannel ..... Press Test  
Ammeter..... Check  
Suction Gauge..... Check 5HG +\ - 1  
Mixture..... Check  
Carb Heat..... On  
Min. Idle ..... Smooth  
Carb Heat ..... Off  
Throttle..... 1000 RPM

### **PRE TAKE-OFF**

Door/window/..... Closed/Locked  
Seatbelts..... Secure  
Fuel selector..... Fullest Tank  
Auto Pilot..... Off  
Magnetos..... Both  
Primer..... Locked  
Mixture..... Rich below 5000'  
Throttle friction..... Set  
Carb heat..... Cold  
Controls..... Full, free & correct  
Electric Trim..... Check  
Elevator Trim..... Set for T/O  
Rudder Trim..... Set for T/O  
Flaps..... Zero for normal/25' For short  
Master..... On  
Fuel Pump..... On  
Lights..... As required  
Flight Instruments..... Set  
Avionics..... As required  
PAX safety review..... Complete  
Crew T/O Briefing..... Complete

### **AT HOLD LINE**

Time..... Note time on take-off  
Radio..... Radio Call  
Transponder..... ALT

### **TAKE OFF – Normal**

RPM, Oil pres., Airspeed. Check  
Rotate..... 45-55Kts  
Climb..... VX 63knts  
Vy 79knts  
Cruise Climb..... 87knts  
Max EGT full power..... 1400'

### **CRUISE**

Fuel pump..... Off  
Fuel Pressure..... Check  
Power..... 2200 – 2700 RPM  
Mixture..... Lean to max 1350'  
Oil Temp / Pressure..... Check

### **PRE LANDING**

PAX Briefing..... Complete  
Master..... On  
Fuel Pump..... On  
Lights..... As required  
Engine Instruments..... Check  
Fuel..... Fullest tank  
Magnetos.....Both  
Primer..... Locked  
Mixture..... Rich  
Carb Heat..... As Required  
Belts/Doors..... Secure  
Brakes..... Check pressure  
Flaps (Below 103 KIAS)... Normal 25'-40'  
Normal Airspeed..... 80 KIAS Downwind  
70 KIAS Base/Final  
65 KIAS Final  
63 KIAS Full Flap

### **POST LANDING**

Transponder..... Off  
Flaps..... Up  
Carb Heat..... Cold  
Landing light..... Off  
Radio..... Radio Call  
Time..... Note landing time  
Fuel Pump..... Off

### **SHUT DOWN**

ELT light ..... Off  
Avionics / Electrics..... All off  
Throttle..... 800 rpm  
Magnetos..... Live mag check  
Mixture..... Idle cut-off  
Magnetos..... Off, key out  
Master..... Off  
Hobbs..... Note time  
Spot Tracker..... Off

### **CLOSE YOUR FLIGHT PLAN**

### **OPERATING SPEEDS**

Vr (Flaps Up) 45-55 KIAS  
Vr (Flaps 25) 40-53  
Vx..... 63  
Vy..... 79  
Va..... 111  
(Approx 104 with 2 persons and 34gal fuel)  
Vs..... 50  
Vso..... 44  
Best Glide... 73  
Vfe..... 103  
Vno..... 126  
Vne..... 160  
Approach... 63 (Full Flap)