

# DHC-6 Twin Otter (wheel)

Microsoft Flightsimulator 2002

Aircraft and Panel : by Barry Blaisdell



Werner Schott  
Switzerland  
[w.schott@abts.ch](mailto:w.schott@abts.ch)

## Pre-Start Checklist

|                          |                             |
|--------------------------|-----------------------------|
| Parking Brakes           | SET                         |
| Throttle                 | IDLE                        |
| Flaps                    | UP                          |
| Propeller                | HIGH RPM                    |
| Fuel Cond. Lever         | FUEL CUTOFF (Ctrl-Shift-F1) |
| Battery Switch           | ON                          |
| Panel Lights             | ON if required              |
| Fuel Quantity            | CHECK                       |
| Flight controls          | CHECK                       |
| Avionics Master Switch   | ON                          |
| Check Weather            | (ATIS, Flight Services)     |
| Anti-ice Switch          | ON                          |
| Anti-ice Annunciators    | ILLUMINATED                 |
| <b>Request Clearance</b> |                             |
| Transponder              | SET                         |
| Beacon                   | ON                          |

## Startup Checklist

|  |                               |
|--|-------------------------------|
| Engine and Propeller Area              | CLEAR                         |
| Throttle                               | IDLE                          |
| Fuel Flow                              | ON (Ctrl-Shift-F4)            |
| Right Ignition and Engine Start Switch | ON (hold until engine starts) |
| Right ITT and N1 Turbine RPM           | MONITOR                       |
| Right FUEL PRESS LO Annunciator        | EXTINGUISHED                  |
| Right OIL PRESS LO Annunciator         | EXTINGUISHED                  |
| Right Oil Pressure                     | CHECK                         |
| Right Generator                        | ON                            |
| Left Ignition and Engine Start Switch  | ON (hold until engine starts) |
| Left ITT and N1 Turbine RPM            | MONITOR                       |
| Left FUEL PRESS LO Annunciator         | EXTINGUISHED                  |
| Left OIL PRESS LO Annunciator          | EXTINGUISHED                  |
| Left Oil Pressure                      | CHECK                         |
| Left Generator                         | ON                            |
| Feather/Unfeather Props                | CHECK once                    |
| Engine Instruments                     | CHECK                         |



## Taxi To Ramp

|                         |                 |
|-------------------------|-----------------|
| Flaps                   | RETRACT         |
| Taxi Lights             | ON              |
| Landing Lights          | OFF             |
| Anti-ice                | OFF             |
| Propeller Synchrophaser | ON              |
| Speed                   | Max. 20 knots   |
| Elevator Trim           | TAKEOFF SETTING |
| Avionics/Radios         | AS REQUIRED     |
| Transponder             | 1200            |

## Shutdown Checklist

|                    |                        |
|--------------------|------------------------|
| Parking Brake      | SET                    |
| Throttle           | IDLE                   |
| Autofeather        | OFF                    |
| Avionics Switch    | OFF                    |
| Taxi Lights        | OFF                    |
| Nav Lights         | OFF                    |
| Strobes            | OFF                    |
| Pitot Heat         | OFF                    |
| Fuel Cond. Lever   | CUTOFF (Ctrl-Shift-F1) |
| Propeller          | FEATHER                |
| Beacon             | OFF                    |
| Panel Light        | OFF                    |
| Battery Switch     | OFF when N1<15%        |
| Generator Switches | OFF                    |

## Securing Aircraft

|               |             |
|---------------|-------------|
| Parking Brake | Verify SET  |
| Throttle      | Verify IDLE |
| All Switches  | Verify OFF  |

## Before Taxi Checklist

|                               |                  |
|-------------------------------|------------------|
| Strobe Light                  | ON               |
| Nav Lights                    | ON               |
| Taxi Lights                   | ON               |
| Heading Indicator / Altimeter | SET              |
| Instruments                   | NORMAL OPERATION |
| Radios and Avionics           | CHECKED and SET  |
| Autopilot                     | SET and OFF      |
| Autofeather                   | ARM              |
| Anti-ice                      | AS REQUIRED      |

*Request Taxi Clearance*

## Taxi Checklist

|                         |                          |
|-------------------------|--------------------------|
| Parking Brake           | RELEASE                  |
| Brakes                  | CHECK during taxi        |
| Directional Gyro        | PROPER IND. during turns |
| Turn Coordinator        | PROPER IND. during turns |
| Artificial Horizon      | ERECT during turns       |
| Taxi to assigned runway | SPEED Max. 20 knots      |

## Before Take-off Checklist

|                     |                  |
|---------------------|------------------|
| Parking Brake       | SET              |
| Pitot Heat          | ON               |
| Landing Lights      | ON               |
| Fuel Quantity       | CHECK            |
| Throttle            | IDLE             |
| Propeller           | HIGH RPM         |
| Elevator Trim       | SET for takeoff  |
| Flaps               | SET 5-15 deg     |
| Flight Controls     | FREE AND CORRECT |
| Engine Instruments  | CHECK            |
| Annunciator Lights  | CHECK            |
| Radios and Avionics | SET              |

*Request Takeoff Clearance*

## Take-off Checklist

|                             |                        |
|-----------------------------|------------------------|
| Smoothly increase thrust to | FULL                   |
| Brakes                      | RELEASE                |
| V1 =                        | 80 KIAS (descision)    |
| Vr =                        | 85 KIAS (rotate)       |
| Pitch                       | 10-15 degrees          |
| V2                          | 90 KIAS (safety speed) |
| At Positive Climb Rate      | Touch Brakes           |
| Trim for climb to maintain  | 95 KIAS Torque 70      |
| At 500' AGL                 | RETRACT FLAPS          |
| Annunciator Lights          | CHECK                  |
| Engine Instruments          | CHECK                  |

## Climb-out Checklist

|   |                    |
|---|--------------------|
| Propeller Synchrophaser   | ON                 |
| Autopilot   | CHECK and SET      |
| Taxi Lights   | OFF                |
| Landing Lights  | OFF                |
| Airspeed  | 110 KIAS Torque 75 |
| Climb Rate  | approx. 1200 fpm   |
| Engine Instruments  | MONITOR            |
| <b>ATC</b>  | <b>AS REQUIRED</b> |
| At Transition Altitude (FL180) set Altimeter to 29,92" (1013mb) |                    |

## Cruise Checklist

|                            |                           |
|----------------------------|---------------------------|
| Accelerate to cruise speed | 170 KIAS Torque 90        |
| Autofeather                | OFF                       |
| Service Ceiling            | 20-25'000 ft              |
| Engine+Instruments         | CHECK                     |
| Engine Temperatures        | STABILIZE at cruise cond. |
| Fuel Quantity              | CHECK                     |
| Radios                     | TUNED and SET             |
| Autopilot                  | CHECK and SET             |
| Lights                     | as required               |
| Engine Instruments         | CHECK                     |

## Descent Checklist

|   |                         |
|---|-------------------------|
| Atis/Airport Information                                | CHECK                   |
| Altimeter   | CHECK                   |
| Radios  | SET                     |
| Autofeather   | ARM                     |
| Descent Speed   | 140 KIAS Torque 25      |
| Flaps   | CHECK UP                |
| Fuel Balance  | CHECK                   |
| At Transition Altitude (FL180) reset Altimeter to local |                         |
| Check Weather   | (ATIS, Flight Services) |

## Approach Checklist

### Localizer Level Flight :

|                                  |                       |
|----------------------------------|-----------------------|
| Autofeather                      | VERIFY ARMED          |
| Propeller                        | HIGH RPM              |
| Fuel Cond. Lever                 | FULL                  |
| Speed: Establish                 | 120 KIAS Torque 40    |
| Flaps                            | SET 5 deg             |
| Speed: Establish                 | 100 KIAS Torque 40-50 |
| Flaps                            | SET 15 deg            |
| Landing Lights                   | ON                    |
| Turning toward runway: set flaps | 35 deg                |

### Final Glideslope Descent :

|                  |                      |
|------------------|----------------------|
| Speed: Establish | 90 KIAS Torque 30-40 |
| Elevator Trim    | AS DESIRED           |
| Parking Brake    | VERIFY OFF           |
| Anti-ice         | AS REQUIRED          |

## Landing Checklist

|                    |  |
|--------------------|--|
| Autopilot          | OFF  |
| Autothrottle (IAS) | OFF  |
| Landing Speed      | 80 KIAS  |
| Touchdown          | MAIN WHEELS FIRST                                      |
| Landing Roll       | LOWER NOSE WHEEL                                       |
| After touchdown    | Apply Reverse Thrust, at 50 kts: Cancel Reverse Thrust |