

# Airbus A330

## Atlantic Sun Airways CAT C Pilot Procedures



This is the second of a series of Atlantic Sun Airways CAT C pilot procedures and checklists for our fleet. Use them with good judgment. Note, the start procedures may vary from FS9 Panel to Panel. However the “V” speeds are appropriate for our ASA FS9 A330.

### General Characteristics

#### Dimensions:

Wing Span: 197 ft 10 in  
Length: 210 ft  
Height: 55 ft 2 in  
Wing Area: 3908.4 sq ft

#### Engines:

Choice of two 67,000 lb General electric Cg6-80E1A2s, 64,000 lb Pratt & Whitney PW-4164s, or 68,000 lb Rolls-Royce Trent 768 or Trent 772 turbofans.

#### Weight and Capacities

Operating Empty: 268,675 lb with CF6 engines, 269,975 with PW-4000s, and 268,900 lb with Trents.  
Basic Max. Takeoff: 467,380 lb  
Passenger seating arrangements for 295 in three classes or 335 in two classes (30 first Class at 2+3+2 and 305 Coach Class at 2+4+2). Max passengers in high-density configuration: 440.  
Crew: 2 + 5

#### Performance:

Max Cruising Speed: 475 kts at 33,000 ft  
Economical Cruising Speed: 464 kts  
Range with 335 passengers and reserves: 4,500 nm with CF6s, or 4,550 nm with P&W engines, or 4,640 with Trents.



## THE CHECKLISTS

### PRESTART CHECKLIST

Parking Brake  
 Throttle  
 Fuel Flow  
 BATT Master Switch  
 Panel Light  
 Avionics  
 Landing Gear Lever  
 Flaps  
 Spoiler  
 Fuel Quantity  
 Engine Instruments  
 Pitot Heat/Anti-ice  
 Flight Controls  
 Fasten Seat Belts  
 No Smoking  
 Check Weather  
 Elevator Trim  
 De-ice

SET  
 IDLE  
 CUTOFF  
 ON  
 AS REQUIRED  
 ON  
 CHECK DOWN  
 UP  
 RETRACTED  
 CHECK  
 CHECK  
 OFF  
 FREE AND CORRECT  
 ON  
 ON  
 (ATIS, Flight Service)  
 TAKEOFF SETTING  
 TEST/CHECK

**PRESTART CHECKLIST contd.**

*Request Clearance*

Transponder STANDBY  
Beacon ON

**STARTUP CHECKLIST**

Engine/Throttle Panel ACTIVATE  
Thrust Levers IDLE  
Engine Area CLEAR  
Mode Selector IGN/START  
ENG 1 starts immediately at N2 = 20% Fuel Flow ON  
Fuel flow CHECK  
N1 increasing as N@ incr CHECK  
Eng 2 starts after Eng 1 is running at N2 = 20% fuel flow ON  
Fuel Flow CHECK  
N1 increasing as N2 incr CHECK  
Mode Selector NORMAL

**BEFORE TAXI CHECKLIST**

Nav Lights ON  
Taxi Lights / Runway Turnoff Lights ON  
Heading Indicator/Altimeters SET  
Radios and Avionics SET FOR DEPARTURE  
Autopilot SET, ARM don't activate  
Autothrottle SET, ARM, don't activate  
F/D ON  
Yaw Damper ON  
Autobrake RTO

*Request Taxi Clearance*

**TAXI CHECKLIST**

Parking Brake RELEASE  
Taxi to assigned runway SPEED Max. 20 knots  
Brakes/Gyro/Turn Coordinator CHECK during taxi/turns  
Artificial Horizon ERECT during turns

**BEFORE TAKEOFF CHECKLIST**

Parking Brake SET  
Throttle IDLE  
Elevator Trim SET for takeoff  
Flap Position Lever FLAPS 10 deg.  
Spoilers RETRACTED  
Flight Instruments CHECKED  
Engine Instruments CHECK  
Takeoff Data (V1, Vr, V2) CHECK  
Nav Equipment CHECK  
Landing Lights ON  
Taxi Lights / Runway Turnoff Lights OFF  
Strobe Lights ON  
Pitot Heat ON  
De-ice AS REQUIRED

**BEFORE TAKEOFF CHECKLIST cont.**

Transponder

ON

*Request Takeoff Clearance*

**TAKEOFF CHECKLIST**

Smoothly increase thrust to

40% N1 let spool up

Takeoff Thrust

FULL or TO/GA

Brakes

RELEASE

V1=

140 KIAS (decision)

Vr=

145 KIAS (rotate)

Pitch

10 deg. nose up

V2=

150 KIAS (safety speed)

At Positive Climb Rate

Touch Brakes

Landing Gear

RETRACT

At 180 KIAS

RETRACT flaps to 5 deg.

At 210 KIAS

RETRACT flaps up

**CLIMBOUT CHECKLIST**

Throttle

AS REQUIRED

Trim for

250 KIAS / 1800 fpm

Autopilot/Autothrottle

CHECK and ACTIVATE

Below 10,000' max. speed

250KIAS

*ATC*

*AS REQUIRED*

Fasten Seatbelts

OFF

No Smoking

OFF

Landing Lights

OFF

Above 10,000' speed

300 KIAS

**CRUISE CHECKLIST (above FL 180)**

At Transition Altitude (FL180) set Altimeter to  
Accelerate to cruise speed

29.92 (1013 mb)  
FL180 0.68 mach (332KIAS)  
FL240 0.75 mach (330KIAS)  
FL280 0.80 mach (325KIAS)  
FL330 0.80 mach (292KIAS)

Engine+ Instruments  
Fuel Quantity  
Radios  
Autopilot  
Lights

CHECK  
CHECK  
TUNED and SET  
CHECK and SET  
AS REQUIRED

**DESCENT CHECKLIST**

ATIS /Airport Information  
Altimeter  
Radios  
De-ice

CHECK  
CHECK  
CHECK  
AS REQUIRED

Descent Speed

to FL240 0.78 mach  
to FL180 0.68 mach

At Transition Altitude (FL180) reset Altimeters to local

to 12,000' 300 KIAS  
Below 10,000' 250 KIAS

Fuel Quantities and Balance  
Flaps /Landing Gear  
Check Weather

CHECK  
CHECK UP  
(ATIS, Flight Service)

### **APPROACH CHECKLIST**

On Localizer Level flight:	
Fasten Seat Belts	ON
No Smoking	ON
Avionics + Radios	SET
Speed: Establish	220 KIAS
Landing Lights	ON
Auto Spoilers	ARM
Autobrake	SET
Flap Lever Position	5 deg.
Speed: Establish	200 KIAS
Flap Lever Position	10 - 15 deg.
Speed: Establish	180 KIAS
Flaps Lever Position	20 deg.
Speed: Establish	165 KIAS
Landing Gear	DOWN
Set Flap Lever Position	25 deg. or FULL

### *Final glide Slope Descent:*

Speed Establish	155 KIAS
Elevator Trim	AS DESIRED
Parking Brake	VERIFY OFF
De-ice	AS REQUIRED

### **LANDING CHECKLIST**

Landing Gear	CHECK DOWN
Autopilot	OFF
Landing Speed	145 KIAS
After Touchdown	Apply Reverse Thrust
	60KIAS: Cancel Reverse Thrust
	VERIFY EXTENDED
	AS REQUIRED

Spoilers  
Brakes

### **TAXI TO RAMP CHECKLIST**

Strobe Light	OFF
Flaps	UP
Spoilers	RETRACTED
Taxi Lights /Runway Turnoff Lights	ON
Landing Lights	OFF
Speed	Max. 20 knots
Transponder	1200 / OFF
Elevator Trim	TAKEOFF SETTING

## SHUTDOWN CHECKLIST

Parking Brake	SET
Throttles	IDLE
Passenger Signs	OFF
Air-conditioning Fan	OFF
Pitot Heat	OFF
De-ice	OFF
Taxi Lights / Runway turnoff Lights	OFF
Nav Lights	OFF
F/D	OFF
Avionics	OFF
Fuel flow	OFF
Eng Start Switches 1 – 2	OFF
Beacon	OFF
Panel Lights	OFF
Passenger Door	OPEN
BATT Master Switch	OFF

## SECURING AIRCRAFT

Parking Brake	VERIFY SET
Throttles	VERIFY IDLE
All Switches	VERIFY OFF
Passenger Door	CLOSED

Good Luck and enjoy using these procedures, I have flight tested and verified them on FS9. Of course if you have a real A330 use the Operating Procedures in your AFM!

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