

Offset Mapping for PMDG 747QOTSII

[Applicable to FSUIPC 5.156 and later, includes CDU screen data]

PLEASE READ THIS FIRST:

Developers using FSUIPC to interface with the PMDG line of products must be aware of and comply with certain restrictions designed to prevent the use of PMDG products in a for-hire or pilot training environment. Please see the PMDG EULA that accompanies the 747 line of products for details.

Subject to the above condition, the facilities for reading the PMDG 737NGX data direct from FSUIPC4 offsets are included with kind permission of PMDG.

To enable the data communication output from the PMDG aircraft, you will need to open the file **747QOTSII options ini** file (which will be located in the FSX/P3D **PMDG** folder for the 747, and add the following lines to the end of the file:

[SDK]

EnableDataBroadcast=1

For CDU screen data you also need one or more of these lines:

EnableCDUBroadcast.0=1

EnableCDUBroadcast.1=1

EnableCDUBroadcast.2=1

Which enable the contents of the corresponding CDU screen to be sent to FSUIPC.

Please also note that the offsets are only populated with data whilst the PMDG 747 is running *and* SimConnect is supplying the "Client Data".

As with the 737NGX, if there is a problem, either with SimConnect or with the 747, which stops the flow of data for either all re-loads of the 747 after the first, or every alternate load. It may be that re-connecting with SimConnect fixes it. If you want to try this you can assign a button or keypress to FSUIPC's special re-connection control:

Re-simconnect

and use this after reloading the 747.

Notes for programmers

All offsets are READ ONLY. To change values please use the Events (known as "controls" in FSUIPC) as listed in the "**PMDG_747QOTSII_SDK.h**" file which you can find in the PMDG 747 SDK. The numerical values of those controls can be used directly in button and key assignments in the FSUIPC4.INI file, or from Lua plug-ins using the **ipc.control** function.

The list here is simply a version of the full list in the PMDG_747QOTSII_SDK.h file with the hexadecimal offset, size in bytes, and type of value added. Programmers using C/C++ would be better off using the original header file directly and simply mapping the PMDG_747QOTSII_Data structure direct to an offset area, but do note that the reserved area of 160 bytes at the end are NOT mapped to offsets.

The data is provided exactly as provided by the PMDG code

CDU Screen Data

This is provided the raw matrix form provided by PMDG, in offsets **0x5400-0x57FF** (for CDU 0), **0x5800-0x5BFF** (for CDU1) and **0x5C00-0x5FFF** (for CDU2).

NOTE that these offsets are also used by Project Magenta. You cannot use the PMDG and PM at the same time if you want to read this data!

Offset	Size	Data type	Name	Notes
Overhead maintenance panel				
Electrical				
6420	4	BYTE x 4	ELEC_GenFieldReset	
6424	1	BYTE x 2	ELEC_APUFieldReset	
6426	1	BYTE	ELEC_SplitSystemBreaker	
6427	4	BYTE x 4	ELEC_annunGen_FIELD_OFF	
642B	2	BYTE x 2	ELEC_annunAPU_FIELD_OFF	
642D	1	BYTE	ELEC_annunSplitSystemBreaker_OPEN	
Fuel				
642E	1	BYTE	FUEL_CWTScavengePump_Sw_ON	
642F	1	BYTE	FUEL_Reserve23Xfer_Sw_OPEN	
EEC Maint				
6430	4	BYTE x 4	ENG_EECPower_Sw_TEST[4]	
Flight Controls Hydraulic Valve Power				
6434	4	BYTE x 4	FCTL_WingHydValve_Sw_SHUT_OFF	
6438	4	BYTE x 4	FCTL_TailHydValve_Sw_SHUT_OFF	
643C	4	BYTE x 4	FCTL_annunTailHydVALVE_CLOSED	
6440	4	BYTE x 4	FCTL_annunWingHydVALVE_CLOSED	
Air Conditioning				
6444	1	BYTE	AIR_LowerLobeFlowRate_Selector	Freighter only
6445	1	BYTE	AIR_LowerLobeAftCargoHt_Selector	748 only
Overhead panel				
IRS				
6446	3	BYTE x 3	IRS_Selector	
6449	1	BYTE	IRS_annunON_BAT	
Electrical				
644A	2	BYTE x 2	ELEC_annunUtilOFF	
644C	1	BYTE	ELEC_Battery_Sw_ON	
644D	1	BYTE	ELEC_APU_Selector	
644E	1	BYTE	ELEC_StandbyPowerSw	
644F	2	BYTE x 2	ELEC_APUGen_Sw_ON	
6451	2	BYTE x 2	ELEC_UtilSw	
6453	4	BYTE x 4	ELEC_BusTie_Sw_AUTO	
6457	4	BYTE x 4	ELEC_annunBusTieISLN	
645B	4	BYTE x 4	ELEC_Gen_Sw_ON	
645F	4	BYTE x 4	ELEC_IDGDiscSw	
6463	2	BYTE x 2	ELEC_ExtPwrSw	
6465	2	BYTE x 2	ELEC_annunExtPowr_ON	
6467	2	BYTE x 2	ELEC_annunExtPowr_AVAIL	
6469	2	BYTE x 2	ELEC_annunAPUGen_ON	
646B	2	BYTE x 2	ELEC_annunAPUGen_AVAIL	
646D	4	BYTE x 4	ELEC_annunGenOFF	
6471	4	BYTE x 4	ELEC_annunIDGDiscDRIVE	
Hydraulics				
6475	4	BYTE x 4	HYD_EnginePump_Sw_ON	
6479	4	BYTE x 4	HYD_DemandPump_Selector	
647D	4	BYTE x 4	HYD_annunSYS_FAULT	

6481	4	BYTE x 4	HYD_annunEnginePumpPRESS	
6485	4	BYTE x 4	HYD_annunDemandPumpPRESS	
6489	1	BYTE	HYD_RamAirTurbineSw	
648A	1	BYTE	HYD_annunRamAirTurbinePRESS	
648B	1	BYTE	HYD_annunRamAirTurbineUNLKD	
Fire Protection				
648C	4	BYTE x 4	FIRE_EngineHandle	
6490	4	BYTE x 4	FIRE_EngineHandleUnlock_Sw	
6494	4	BYTE x 4	FIRE_annunENG_BTL_DISCH	
6498	2	BYTE x 2	FIRE_CargoFire_Sw_Arm	
649A	2	BYTE x 2	FIRE_annunCargoFire	
649C	1	BYTE	FIRE_MainDeckFire_Sw_Arm	
649D	1	BYTE	FIRE_annunMainDeckFire	
649E	1	BYTE	FIRE_CargoFireDisch_Sw	
649F	1	BYTE	FIRE_annunCargoDISCH	
64A0	1	BYTE	FIRE_FireOvhtTest_Sw	
64A1	1	BYTE	FIRE_APUHandle	
64A2	1	BYTE	FIRE_APUHandleUnlock_Sw	
64A3	1	BYTE	FIRE_annunAPU_BTL_DISCH	
Engine Control				
64A4	4	BYTE x 4	ENG_EECMode_Sw_NORM	
64A8	4	BYTE x 4	ENG_Start_Sw_Pulled	
64AC	1	BYTE	ENG_Conlginition_Sw_ON	
64AD	1	BYTE	ENG_StbyIginition_Selector	
64AE	4	DWORD	ENG_AutoIginition_Selector	
64B2	1	BYTE	ENG_Autostart_Sw_ON	
64B3	4	BYTE x 4	ENG_Start_Light	
64B7	4	BYTE x 4	ENG_annunALTN	
Fuel				
64BB	4	BYTE x 4	FUEL_CrossFeed_Sw	
64BF	4	BYTE x 4	FUEL_MainPumpFwd_Sw	
64C3	4	BYTE x 4	FUEL_MainPumpAft_Sw	
64C7	2	BYTE x 2	FUEL_OvrdPumpFwd_Sw	
64C9	2	BYTE x 2	FUEL_OvrdPumpAft_Sw	
64CB	2	BYTE x 2	FUEL_PumpStab_Sw	
64CD	2	BYTE x 2	FUEL_PumpCtr_Sw	
64CF	1	BYTE	FUEL_XferMain14_Sw	
64D0	2	BYTE x 2	FUEL_JettisonNozle_Sw	
64D2	1	BYTE	FUEL_JettisonArm_Selector	
64D3	1	BYTE	FUEL_FuelToRemain_Selector	
64D4	4	BYTE x 4	FUEL_annunXFEED_VALVE	
64D8	4	BYTE x 4	FUEL_annunPRESS_MainFwd	
64DC	4	BYTE x 4	FUEL_annunPRESS_MainAft	
64E0	2	BYTE x 2	FUEL_annunPRESS_OvrdFwd	
64E2	2	BYTE x 2	FUEL_annunPRESS_OvrdAft	
64E4	2	BYTE x 2	FUEL_annunPRESS_Stab	
64E6	2	BYTE x 2	FUEL_annunPRESS_Ctr	
64E8	2	BYTE x 2	FUEL_annunJettisonNozleVALVE	
Anti-Ice, Window Heat				
64EA	1	BYTE	ICE_WingAntilceSw	
64EB	4	BYTE x 4	ICE_EngAntilceSw	
64EF	4	BYTE x 4	ICE_annunEngAntilceVALVE	
64F3	1	BYTE	ICE_annunWingAntilceVALVE	

64F4	2	BYTE x 2	ICE_WindowHeat_Sw_ON	
64F6	2	BYTE x 2	ICE_annunWindowHeatINOP	
Rain Protection				
64F8	2	BYTE x 2	APU_annunLOW_OIL_PRESSURE	
64FA	2	BYTE x 2	APU_annunFAULT	
64FC	2	BYTE x 2	APU_annunOVERSPEED	
Flight Deck Lights				
64FE	1	BYTE	LTS_DomeLightKnob	
64FF	1	BYTE	LTS_CktBkrOverheadKnob	
6500	1	BYTE	LTS_GlareshieldPNLIKnob	
6501	1	BYTE	LTS_GlareshieldFLOODKnob	
6502	1	BYTE	LTS_AisleStandPNLKnob	
6503	1	BYTE	LTS_AisleStandFLOODKnob	
6504	1	BYTE	LTS_Storm_Sw_ON	
6505	1	BYTE	LTS_IndLightsTestSw	
Exterior Lights				
6506	4	BYTE x 4	LTS_LandingLights_Sw_ON	
650A	1	BYTE	LTS_Beacon_Sw	
650B	1	BYTE	LTS_NAV_Sw_ON	
650C	1	BYTE	LTS_Logo_Sw_ON	
650D	1	BYTE	LTS_Wing_Sw_ON	
650E	2	BYTE x 2	LTS_RunwayTurnoff_Sw_ON	
6510	1	BYTE	LTS_Taxi_Sw_ON	
6511	1	BYTE	LTS_Strobe_Sw_ON	
Air Systems - Pressurization				
6512	1	BYTE	AIR_LdgAlt_PushOn_Sw	
6513	1	BYTE	AIR_LdgAlt_Selector	
6514	2	BYTE x 2	AIR_OutflowValveMan_Sw	
6516	8	DWORD x 2	AIR_OutflowValveNeedle	
651E	1	BYTE	AIR_OutflowValves_Selector	
651F	1	BYTE	AIR_CabinAltAuto_Selector	
6520	1	BYTE	AIR_SmokeEvacHandle_Pulled	
Air Systems - Air Conditioning				
6521	3	BYTE x 3	AIR_Pack_Selector	
6524	2	BYTE x 2	AIR_TrimAir_Sw_On	
6526	2	BYTE x 2	AIR_RecircFan_Sw_On	
6528	6	BYTE x 6	AIR_TempSelector	
652E	1	BYTE	AIR_PackReset_Sw_Pushed	
652F	1	BYTE	AIR_EquipCooling_Selector	
6530	1	BYTE	AIR_HighFlow_Sw_On	
6531	1	BYTE	AIR_Gasper_Sw_On	
6532	1	BYTE	AIR_FltDeckFan_Sw_On	
6533	1	BYTE	AIR_AftCargoHeat_Sw_On	
6534	1	BYTE	AIR_ZoneReset_Sw_Pushed	
6535	1	BYTE	AIR_AltnVent_Sw_On	
6536	1	BYTE	AIR_AltnVent_Selector	
6537	3	BYTE x 3	AIR_annunPackOFF	
653A	1	BYTE	AIR_annunPack_SYS_FAIL	
653B	1	BYTE	AIR_annunZone_SYS_FAIL	
653C	1	BYTE	AIR_annunAftCragoHeat_TEMP	
Air Systems - Bleed Air				
653D	4	BYTE x 4	AIR_EngBleedAir_Sw_ON	
6541	1	BYTE	AIR_APUBleedAir_Sw_ON	

6542	2	BYTE x 2	AIR_IsolationValve_Sw	
6544	4	BYTE x 4	AIR_annunEngBleedAirOFF	
6548	1	BYTE	AIR_annunAPUBleedAirVALVE	
6549	2	BYTE x 2	AIR_annunIsolationVALVE	
654B	4	BYTE x 4	AIR_annun_SYS_FAULT	
Miscellaneous, top of overhead				
654F	1	BYTE	LTS_EmerLightsSelector	
6550	1	BYTE	COMM_CAPTAudio_Selector	
6551	1	BYTE	COMM_OBSAudio_Selector	
6552	1	BYTE	COMM_ServiceInterphoneSw	
6553	1	BYTE	COMM_CargoCabinInterphoneSw	
6554	1	BYTE	OXY_Oxygen_Sw_On	
6555	2	BYTE x 2	FCTL_YawDamper_Sw	
6557	2	BYTE x 2	FCTL_annunYawDamperINOP	
Glareshield				
Master Warning/Caution				
6559	2	BYTE x 2	WARN_Reset_Sw_Pushed	
655B	2	BYTE x 2	WARN_annunMASTER_WARNING	
655D	2	BYTE x 2	WARN_annunMASTER_CAUTION	
EFIS switches (left / right)				
655F	2	BYTE x 2	EFIS_MinsSelBARO	
6561	2	BYTE x 2	EFIS_BaroSelHPA	
6563	2	BYTE x 2	EFIS_VORADFSel1	
6565	2	BYTE x 2	EFIS_VORADFSel2	
6567	2	BYTE x 2	EFIS_ModeSel	
6569	2	BYTE x 2	EFIS_RangeSel	
656B	2	BYTE x 2	EFIS_MinsKnob	
656D	2	BYTE x 2	EFIS_BaroKnob	
EFIS MOMENTARY action (left / right)				
656F	2	BYTE x 2	EFIS_MinsRST_Sw_Pushed	
6571	2	BYTE x 2	EFIS_BaroSTD_Sw_Pushed	
6573	2	BYTE x 2	EFIS_ModeCTR_Sw_Pushed	
6575	2	BYTE x 2	EFIS_RangeTFC_Sw_Pushed	
6577	2	BYTE x 2	EFIS_WXR_Sw_Pushed	
6579	2	BYTE x 2	EFIS_STA_Sw_Pushed	
657B	2	BYTE x 2	EFIS_WPT_Sw_Pushed	
657D	2	BYTE x 2	EFIS_ARPT_Sw_Pushed	
657F	2	BYTE x 2	EFIS_DATA_Sw_Pushed	
6581	2	BYTE x 2	EFIS_POS_Sw_Pushed	
6583	2	BYTE x 2	EFIS_TERR_Sw_Pushed	
Display Select Panel				
6585	1	BYTE	DSP_L_INBD_Sw	
6586	1	BYTE	DSP_R_INBD_Sw	
6587	1	BYTE	DSP_LWR_CTR_Sw	
6588	1	BYTE	DSP_ENG_Sw	
6589	1	BYTE	DSP_STAT_Sw	
658A	1	BYTE	DSP_ELEC_Sw	
658B	1	BYTE	DSP_HYD_Sw	
658C	1	BYTE	DSP_FUEL_Sw	
658D	1	BYTE	DSP_ECS_Sw	
658E	1	BYTE	DSP_DRS_Sw	

658F	1	BYTE	DSP_GEAR_Sw	
6590	1	BYTE	DSP_FCTL_Sw	
6591	1	BYTE	DSP_INFO_Sw	
6592	1	BYTE	DSP_CHKL_Sw	
6593	1	BYTE	DSP_NAV_Sw	
6594	1	BYTE	DSP_CANC_Sw	
6595	1	BYTE	DSP_RCL_Sw	
6596	1	BYTE	DSP_annunL_INBD	
6597	1	BYTE	DSP_annunR_INBD	
6598	1	BYTE	DSP_annunLWR_CTR	
MCP - Variables				
6599	4	FLOAT32	MCP_IASMach	
659D	1	BYTE	MCP_IASBlank	
659E	2	UWORD	MCP_Heading	
65A0	2	UWORD	MCP_Altitude	
65A2	2	SWORD	MCP_VertSpeed	
65A4	1	BYTE	MCP_VertSpeedBlank	
65A5	2	BYTE x 2	MCP_FD_Sw_On	
65A7	1	BYTE	MCP_ATArm_Sw_On	
65A8	1	BYTE	MCP_BankLimitSel	
65A9	1	BYTE	MCP_DisengageBar	
65AA	1	BYTE	MCP_Speed_Dial	
65AB	1	BYTE	MCP_Heading_Dial	
65AC	1	BYTE	MCP_Altitude_Dial	
65AD	1	BYTE	MCP_VS_Wheel	
MCP - MOMENTARY action switches				
65AE	3	BYTE x 3	MCP_AP_Sw_Pushed	
65B1	1	BYTE	MCP_THR_Sw_Pushed	
65B2	1	BYTE	MCP_SPD_Sw_Pushed	
65B3	1	BYTE	MCP_LNAV_Sw_Pushed	
65B4	1	BYTE	MCP_VNAV_Sw_Pushed	
65B5	1	BYTE	MCP_FLCH_Sw_Pushed	
65B6	1	BYTE	MCP_HDG_HOLD_Sw_Pushed	
65B7	1	BYTE	MCP_VS_Sw_Pushed	
65B8	1	BYTE	MCP_ALT_HOLD_Sw_Pushed	
65B9	1	BYTE	MCP_LOC_Sw_Pushed	
65BA	1	BYTE	MCP_APP_Sw_Pushed	
65BB	1	BYTE	MCP_Speed_Sw_Pushed	
65BC	1	BYTE	MCP_Heading_Sw_Pushed	
65BD	1	BYTE	MCP_Altitude_Sw_Pushed	
65BE	1	BYTE	MCP_IAS_MACH_Toggle_Sw_Pushed	
MCP - Annunciator lights				
65BF	3	BYTE x 3	MCP_annunAP	
65C2	1	BYTE	MCP_annunTHR	
65C3	1	BYTE	MCP_annunSPD	
65C4	1	BYTE	MCP_annunLNAV	
65C5	1	BYTE	MCP_annunVNAV	
65C6	1	BYTE	MCP_annunFLCH	
65C7	1	BYTE	MCP_annunHDG_HOLD	
65C8	1	BYTE	MCP_annunVS	
65C9	1	BYTE	MCP_annunALT_HOLD	
65CA	1	BYTE	MCP_annunLOC	
65CB	1	BYTE	MCP_annunAPP	

Left Glareshield

65CC	1	BYTE	DSP_InbdDspl_L_Selector	
65CD	1	BYTE	DSP_LwrDspl_L_Selector	

Right Glareshield

65CE	1	BYTE	DSP_InbdDspl_R_Selector	
65CF	1	BYTE	DSP_LwrDspl_R_Selector	

Forward Panel**Forward Centre**

65D0	1	BYTE	ISP_FMC_Selector	
65D1	1	BYTE	ISP_EIU_C_Selector	
65D2	1	BYTE	LTS_UpperDsplBRIGHTNESSKnob	
65D3	1	BYTE	LTS_LowerDsplBRIGHTNESSKnob	
65D4	1	BYTE	EICAS_EventRcd_Sw_Pushed	
65D5	1	BYTE	EFIS_HdgRef_Sw_Norm	
65D6	1	BYTE	FCTL_AltFlaps_Sw_ARM	
65D7	1	BYTE	FCTL_AltFlaps_Control_Sw	
65D8	1	BYTE	GEAR_Lever	
65D9	1	BYTE	GEAR_LockOvrd_Sw	
65DA	1	BYTE	GEAR_AltGearNoseBody_Sw_DPushed	
65DB	1	BYTE	GEAR_AltGearWing_Sw_DPushed	
65DC	1	BYTE	GPWS_GSInhibit_Sw	
65DD	1	BYTE	GPWS_annunGND_PROX_top	
65DE	1	BYTE	GPWS_annunGND_PROX_bottom	
65DF	1	BYTE	GPWS_FlapInhibitSw_OVRD	
65E0	1	BYTE	GPWS_GearInhibitSw_OVRD	
65E1	1	BYTE	GPWS_TerrInhibitSw_OVRD	

Standby – IFSD

65E2	1	BYTE	ISFD_Baro_Sw_Pushed	
65E3	1	BYTE	ISFD_RST_Sw_Pushed	
65E4	1	BYTE	ISFD_Minus_Sw_Pushed	
65E5	1	BYTE	ISFD_Plus_Sw_Pushed	
65E6	1	BYTE	ISFD_APP_Sw_Pushed	
65E7	1	BYTE	ISFD_HP_IN_Sw_Pushed	

Forward Left

65E8	1	BYTE	ISP_FltDir_L_Selector	
65E9	1	BYTE	ISP_Nav_L_Selector	
65EA	1	BYTE	ISP_EIU_L_Selector	
65EB	1	BYTE	ISP_IRS_L_Selector	
65EC	1	BYTE	ISP_AirData_L_Selector	
65ED	4	INT32	BRAKES_BrakePressNeedle	
65F1	1	BYTE	BRAKES_annunBRAKE_SOURCE	

Forward Right

65F2	1	BYTE	ISP_FltDir_R_Selector	
65F3	1	BYTE	ISP_Nav_R_Selector	
65F4	1	BYTE	ISP_EIU_R_Selector	
65F5	1	BYTE	ISP_IRS_R_Selector	
65F6	1	BYTE	ISP_AirData_R_Selector	

Left Sidewall				
65F7	1	BYTE	LTS_LeftFwdPanelPNLKnob	
65F8	1	BYTE	LTS_LeftFwdPanelFLOODKnob	
65F9	1	BYTE	LTS_LeftOutbdDsplBRIGHTNESSKnob	
65FA	1	BYTE	LTS_LeftInbdDsplBRIGHTNESSKnob	
Right Sidewall				
65FB	1	BYTE	LTS_RightFwdPanelPNLKnob	
65FC	1	BYTE	LTS_RightFwdPanelFLOODKnob	
65FD	1	BYTE	LTS_RightInbdDsplBRIGHTNESSKnob	
65FE	1	BYTE	LTS_RightOutbdDsplBRIGHTNESSKnob	
Left & Right Sidewalls				
65FF	2	BYTE x 2	AIR_ShoulderHeaterKnob	
6501	2	BYTE x 2	AIR_FootHeaterSelector	
6603	2	BYTE x 2	AIR_WShldAirSelector	
Chronometers				
6605	2	BYTE x 2	CHR_Chtr_Sw_Pushed	
6607	2	BYTE x 2	CHR_Date_Sw_Pushed	
6609	2	BYTE x 2	CHR_Set_Selector	
660B	2	BYTE x 2	CHR_ET_Selector	
Control Stand				
660D	1	BYTE	FCTL_StabCutOutSw_2_NORMAL	
660E	1	BYTE	FCTL_StabCutOutSw_3_NORMAL	
660F	1	BYTE	FCTL_AltPitch_Switches	
6610	1	BYTE	FCTL_Speedbrake_Lever	
6611	1	BYTE	FCTL_Flaps_Lever	
6612	4	BYTE x 4	ENG_FuelControl_Sw_RUN	
6616	1	BYTE	BRAKES_ParkingBrakeLeverOn	
6616			Last byte of first reserved area for PMDG 747QOTSII	
SECOND AREA				
Forward Aisle Stand Panel				
CDU (Left/Right/Center)				
6C00	3	BYTE x 3	CDU_annunEXEC	
6C03	3	BYTE x 3	CDU_annunDSPY	
6C06	3	BYTE x 3	CDU_annunFAIL	
6C09	3	BYTE x 3	CDU_annunMSG	
6C0C	3	BYTE x 3	CDU_annunOFST	
6C0F	3	BYTE x 3	CDU_BrtKnob	
Aft Aisle Stand Panel				
Audio Control Panels				
6C12	3	BYTE x 3	COMM_SelectedMic	
6C15	3	BYTE x 3	COMM_ReceiverSwitches	
Radio Control Panels				

6C18	3	BYTE x 3	COMM_SelectedRadio	
6C1B	3	BYTE x 3	COMM_RadioTransfer_Sw_Pushed	
6C1E	3	BYTE x 3	COMM_RadioPanelOff	
6C21	3	BYTE x 3	COMM_annunAM	
TCAS Panel				
6C24	1	BYTE	XPDR_XpndrSelector_R	
6C25	1	BYTE	XPDR_ModeSel	
6C26	1	BYTE	XPDR_Ident_Sw_Pushed	
6C27	1	BYTE	BRAKES_AutobrakeSelector	
Aileron & Rudder Trim				
6C28	1	BYTE	FCTL_AileronTrim_Switches	
6C29	1	BYTE	FCTL_RudderTrim_Knob	
Cabin Signs				
6C2A	1	BYTE	SIGNS_NoSmokingSelector	
6C2B	1	BYTE	SIGNS_SeatBeltsSelector	
Evacuation Panel				
6C2C	1	BYTE	EVAC_Command_Sw_ON	
6C2D	1	BYTE	EVAC_PressToTest_Sw_Pressed	
6C2E	1	BYTE	EVAC_HornSutOff_Sw_Pulled	
6C2F	1	BYTE	EVAC_LightIlluminated	
Additional variables				
6C30	20	BYTE x 20	DOOR_state	
6C44	4	BYTE x 4	ENG_StartValve	
6C48	12	FLOAT32 x 3	AIR_DuctPress	
6C54	36	FLOAT32 x 9	FUEL_TankQty	
6C78	1	BYTE	IRS_aligned	
6C79	1	BYTE	AircraftModel	
6C7A	1	BYTE	WeightInKg	
6C7B	1	BYTE	GPWS_V1CallEnabled	
6C7C	1	BYTE	GroundConnAvailable	
6C7D	1	BYTE	FMC_TakeoffFlaps	
6C7E	1	BYTE	FMC_V1	
6C7F	1	BYTE	FMC_VR	
6C80	1	BYTE	FMC_V2	
6C81	1	BYTE	FMC_LandingFlaps	
6C82	1	BYTE	FMC_LandingVREF	
6C83	2	WORD	FMC_CruiseAlt	
6C85	2	WORD	FMC_LandingAltitude	
6C87	2	WORD	FMC_TransitionAlt	
6C89	2	WORD	FMC_TransitionLevel	
6C8B	1	BYTE	FMC_PerfInputComplete	
6C8C	4	FLOAT32	FMC_DistanceToTOD	
6C90	4	FLOAT32	FMC_DistanceToDest	
6C94	9	STR [9]	FMC_flightNumber	
6C9D	1	BYTE	ELEC_annunBatteryOFF	
6C9E	1	BYTE	FIRE_annunCargoDEPRESS	
6C9F	1	BYTE	MCP_panelPowered	
6CA0	3	BYTE x 3	COMM_RadioPanelPowered	
6CA3	3	BYTE x 3	COMM_AudioControlPanelPowered	
6CA6	1	BYTE	TCAS_ATC_panelPowered	
6CA7	5	BYTE x 5	FIRE_HandleIllumination	

6CAC	1	BYTE	WheelChocksSet	
6CAD			Last byte of second reserved area for PMDG 747QOTSII	

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