

PSXseecon Release Notes

July 6, 2025, version 3.43

- Added 4 SIOC variables:

Qs448, EfisActLBaro	, 5686,	, Qcode value
Qs448, EfisActLhPa	, 5685,	, Qcode value
Qs449, EfisActRBaro	, 5688,	, Qcode value
Qs449, EfisActRhPa	, 5687,	, Qcode value

April 29, 2025, version 3.42

- Fixed a **bug** in the coding of SIOC variables for the **Yaw damper lights** (they did not work!):

YawDamperUpr = **3294** (not 3292)

YawDamperLwr = **3295** (not 3293)

Jan 22, 2025, version 3.41

- Updated Manual and copyright info to 2025

Sep 19, 2024, version 3.40

- Added SIOC variable for Qi274.

June 10, 2024, version 3.39

- Added SIOC variables for Qi269, Qi270, Qi271 and Qi273.
- Var Qs321 made available with 3 new SIOC vars:
 - Qs321, pitchErrorAdd , 4997, , Qcode value
 - Qs483, bankErrorAdd , 4998, , Qcode value
 - Qs483, gyroRpm , 4999, , Qcode value

May 24, 2024, version 3.38

- Var Qs483 made available with 6 new SIOC vars:
 - Qs483, PhysIAS , 4990, , Qcode value
 - Qs483, PhysOAT , 4991, , Qcode value
 - Qs483, PhysTAT , 4992, , Qcode value
 - Qs483, CompWndDir , 4993, , Qcode value
 - Qs483, CompWndSpd , 4994, , Qcode value
 - Qs483, MagVar , 4995, , Qcode value

July 23, 2023, version 3.37

- New var: Qs118 **XprdFail** 3055 (integer 0/1)

April 22, 2023, version 3.36

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- Made all values of Qs106 *MemRcpL*, Qs107 *MemRcpC* and Qs108 *MemRcpR* available in 42 SIOC variables:

Qs106 starts at 5631, Qs107 starts at 5651 and Qs108 starts at 5671
See the list of SIOC variables.

- Added configuration parameter **SQUAWK_AS_INT**, see the Manual section 2.2.23

March 27, 2023, version 3.35

- Fixed a nasty bug in the implementation of the **DUAL_ENCODER_RCPL**, **DUAL_ENCODER_RCPC** and **DUAL_ENCODER_RCPR** parameters.

Jan 10, 2023, version 3.34

- Updated copyright statement to 2023
- Checked my C++ code with static analyzer clang-tidy, resulting in a few small changes.

Dec 17, 2022, version 3.33

Upon request:

- Added:
Qh397, ParkBrkLevVirtual , 4748, , Qh value (Virtual Switch position)
- Added the following configuration parameters (see Manual chapter 2):
 - **PARKBRKLEV_DOMINANT**
 - **GEARLOCK_OVERRIDE_DOMINANT**
 - **FIRE_ENG1_DOMINANT**
 - **FIRE_ENG2_DOMINANT**
 - **FIRE_ENG3_DOMINANT**
 - **FIRE_ENG4_DOMINANT**
 - **FIRE_APU_DOMINANT**

Dec 15, 2022, version 3.32

- *Upon request:* added a SIOC variable for **Qs457 CallPanelDisp**.
It is -1 if panel is the display panel is blanked, other values are the index to the message. Read further in the Manual section 3.23.

Dec 12, 2022, version 3.31

- *Upon request:* added SIOC variables for **single encoder with push button** implementation of the rotaries of **ACP Left, Centre and Right**, and three configuration parameters to switch between a dual (default) or single rotary implementation.
See Manual sections 2.2.11, 2.2.12 and 2.2.13.
- Fixed bugs in the MIC Lights variables 2109, 2110 and 2111
Do note that the values in these variables are integers (-1 ... 9) not bits, only one led can be active at a time

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Dec 8, 2022, version 3.30

- *Upon request:* added a parameter **PTT_SWITCHES_DOMINANT**, see Manual 2.2.11

Dec 4, 2021, version 3.29

- *Upon request:* re-defined **Qs21** “PiBaHeAlTas” : PSXseecon now offers 7 SIOC vars with the (raw) data from PSX:

Qs121, Altitude	, 4883,	, Qcode value
Qs121, BankRad	, 4881,	, Qcode value
Qs121, Latitude	, 4885,	, Qcode value
Qs121, Longitude	, 4886,	, Qcode value
Qs121, PitchRad	, 4880,	, Qcode value
Qs121, TAS	, 4884,	, Qcode value
Qs121, TrueHeading	, 4882,	, Qcode value

Note that the 64 bit floats are 32 bit in SIOC.

- Upon request: added 7 SIOC variables for **Qs429** “Icing” :

Qs429, IceWingL	, 5624,	, Qcode value
Qs429, IceWingR	, 5625,	, Qcode value
Qs429, IceNac1	, 5626,	, Qcode value
Qs429, IceNac2	, 5627,	, Qcode value
Qs429, IceNac3	, 5628,	, Qcode value
Qs429, IceNac4	, 5629,	, Qcode value
Qs429, Iced	, 5630,	, Qcode value

[See Hardy's forum](#)

Oct 8, 2021, version 3.28

- Upon request: added a SIOC ctrl variable for the Refueling Qi220 var:

Qi220, RefuelingCtrl	, 5220, A
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- Tested under Windows 11, all works fine.

Sep 30, 2021, version 3.27

- Re-implemented the **Version check** parameter (2.2.8) (was gone).
- Fixed a bug that slipped in, “string” parameters such as WHITELIST, BLACKLIST, Qs_VarList were no longer read...
- Added support for the **NG FMC**, just add

LCD_CDU=1

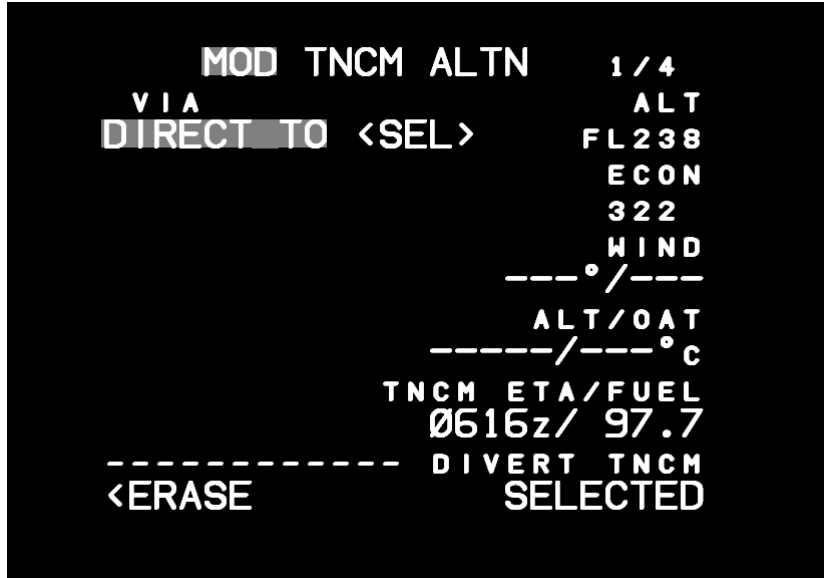
to the psxseecon.cfg file.

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```
      ACT RTE 1 LEGS      1 / 2
      314°      2NM      GP 3.00°
      RW31L      155 / 70
      314°      1NM
      ( 500)      --- / 500A
      144° HDG      6NM
      (INTC)      --- / 1000
      189°      16NM
      CHANT      --- / 3000
      HOLD AT
      CHANT      --- / 3000
      -----
      <RTE 2      RTE DATA>
```

```
      NAV RADIO      1 / 2
      VOR L      VOR R
      113.00° A P J M      STT A 108.60
      CRS      RADIAL      CRS
      029
      ADF L      ADF R
      309.0      331.0
      ILS
      PARK
      PRESELECT
      -----
```

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Sep 21, 2021 version 3.26

- Upon special request, added 11 SIOC variables for Qs438:

Qs438, FuelTemp	, 5623,	, Qcode value
Qs438, RefgPres	, 5622,	, Qcode value
Qs438, TankAux	, 5621,	, Qcode value
Qs438, TankCenter	, 5619,	, Qcode value
Qs438, TankMain1	, 5613,	, Qcode value
Qs438, TankMain2	, 5614,	, Qcode value
Qs438, TankMain3	, 5615,	, Qcode value
Qs438, TankMain4	, 5616,	, Qcode value
Qs438, TankReserve2	, 5617,	, Qcode value
Qs438, TankReserve3	, 5618,	, Qcode value
Qs438, TankStab	, 5620,	, Qcode value.

All fuel quantities in LBS x 10.
Fuel temperature Celsius x 100.

Aug 2, 2021 version 3.25

- Redesigned the **HydDem1** (Qh184) selector while it is also one with a variable number of terminals (AUX or not), see version 3.24.
- After adding this parameter to your PSXseecon.cfg file

ENG_STARTERS_DOMINANT=0

the SIOC variables for the Engine Start Switches Q267 .. Q270 are no longer dominant over the start switches in PSX, which makes it easier if you are using a solenoid to reset your hardware switch based on info from the Virtual start switch vars. See Manual 2.2.10.

July 26, 2021, version 3.24

- Redesigned the implementation of rotary switches with variable terminals, such as the Source selector switches **SrceIrsCp** (Qh119), **SrceIrsFo** (Qh124), **SrceAdcCp** (Qh120) and **SrceAdcFo**, because in certain

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configurations the old solution was not correct.
Read more in the new section 3.22 of the Manual.

- Fixed labelling bugs: SrceNavCpCR renamed to SrceNavCpCC, SrceNavFoCL renamed to SrceNavFoCC.
- Relabeled/re-numbered the terminals of the FO source selector switches such that everything reads clockwise.

IMPORTANT: You may need to update the SIOC variable numbers in your SIOC scripts for the Source Selectors! Seen clockwise the first terminal of a rotary switch always has the lowest SIOC variable number, the next one 1 higher and so on.

July 19, 2021, version 3.23

- The indicator lights for the BigActionSwitches AltnFlap (3162), AltnGearNsBd (3163), AltnGearWing (3164), FlapOvrd (3166) , GearOvrd (3167) and TerrOvrd (3168) are now powered with the **gT102** bus instead of gR7736 (which was wrong).
- All indicator lights SIOC variables for BigActionSwitches can now **also** be used in a SIOC program **without** the corresponding SIOC variable for the controlling the switch.
- Added SIOC variables for **Qi259** up/to **Qi268** and cleaned up some other Qi variables that were not relevant.

Skipping ancient history ...

November 14, 2014: First official Release (version **1.1.0**)