
Delco Carousel IV-A Inertial Navigation System for *Microsoft Flight Simulator*

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Situation Save/Reload Procedures

Gauges version 1.50 introduce the possibility to save INS "state" during a flight, and reload it at a later time. This makes possible to split very long flights into two or more Flight Simulator sessions.

When saving INS data, the user will be automatically asked to also save current FS situation. This is done in order to obtain an FS Situation corresponding with the data the INS has saved. When restoring saved data the user will have to first reload saved FS situation and then restore INS data.

INS data is saved into a file with same name as the .ISD file, but .IRD extension, into the /Civa subfolder. In this way it is possible to have one saved situation for each .ISD (so aircraft or, better, panel). Note that only one situation could be saved for a given ISD, so the last saved will overwrite the previous one.

Remember the .ISD file (so also the .IRD file) gets its name from what has been specified in the panel.cfg (associated with the aircraft used in the flight) on the "ins!config" gauge definition row. Having, for example, the gauge defined as "gaugexx=../civa/ins!config, 0, 0, 0, 0, LearJet", we would get Learjet.isd and Learjet.iss.

To save current situation it is sufficient to press the upper right screw of just one MSU, even when there are 2 or 3 units installed.

Situation SAVE

To save the situation the user does not only have to precisely follow given procedure (see below). It is also important to make sure that:

- a) INS is disconnected from the autopilot
- b) The aircraft is not near a turning point (or waypoint)
- c) DME Updating is NOT in progress

Situation Save Checklist

All INS Units in NAV Mode	_____	CHECK
INS NAV Mode Selector	_____	DISCONNECT
A/P Heading Mode	_____	CHECK ON
MSU Upper Right Screw	_____	CLICK ONCE
FS Situation Save	_____	Enter a name and SAVE
		current FS Situation
Situation Save Checklist	_____	COMPLETE

Situation Load Checklist

FS Situation _____	LOAD
As soon as loaded _____	PAUSE FS
FS State _____	CHECK PAUSED
All INS Units _____	CHECK OFF
MSU Upper Right Screw _____	CLICK ONCE
All Systems _____	CHECK/SET AS REQUIRED
INS Status _____	CHECK CODES (if any)
FS State _____	RESUME
Autopilot _____	CHECK
INS Nav Mode Selector _____	AS REQUIRED
Situation Load Checklist _____	COMPLETE