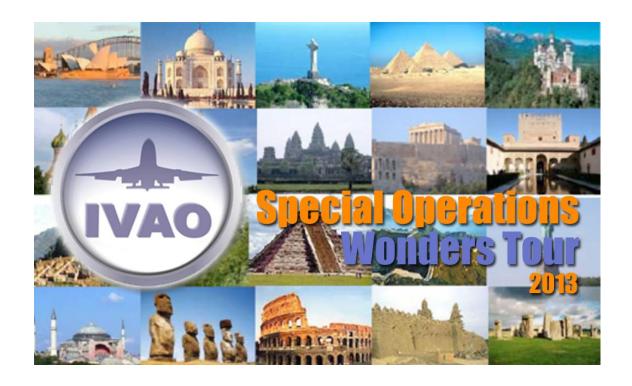
IVAO



Special Operations Wonders Tour

2013

IVAO Special Operations Headquarters

Welcome pilot! The Special Operations HQ would like to invite you for a new exciting tour which includes both touristic and operational tasks, and over the major FS landmarks sceneries such as the Colosseum, Niagara Falls, the Pyramids, etc. Welcome to the IVAO Special Operations Wonders Tour 2013!

Read the manual carefully, as it will give all the information you need to complete this tour. Some legs will bring you through active divisions, some of them won't. Always be aware about the civilian traffic! Do not forget: the active ATC is always the boss, so inform him about your mission in your flight plan and via (non)verbal communication. In most cases, you'll only receive the departure and arrival airports. Route planning and such is entirely up to you.

Take care about the route planning: in case of active division's area, you have to choose from the existing STAR and SID procedures to avoid any interference with the civilian traffic. The good SO pilots always have charts on board and prepare themselves properly for the flight.

Please remind, IVAO is mostly a civilian network, we should apply the general IVAO rules. Nonetheless, each leg has its own special rules. These shall define the flight level, speed, aircraft type, weather conditions, preferred time settings etc. If there are no restrictions (e.g.: for supersonic flights) keep to the general rules. For any deviation from the general rules, under active ATC, ask his permission.

Obs.: Adjust the Scenery Complexity, at least, as Normal in FS Display settings.

General rules:

You are free to choose your military aircraft: fighter, heavylift and light transport, and helis. Do not use uniquely civil aircrafts.

Max. speed limit for military a/c is 350 IAS below FL100.

Max. speed limit for civilian a/c is 250 IAS below FL100.

Max. speed is Mach 0.97 above FL420, except where supersonic flight is approved.

Max. supersonic speed allowed: MACH 2.00

Military callsign is required.

Additional sceneries required.

Charts should always be on board.

Flight Plan should always be filled in correctly.

You have to fly these legs in sequence presented here.

Real (IvAp) weather and 1x sim rate required.

IVAO SO Wonders Tour 2013 Leglist

LEG #	DEPARTURE DEPARTURE	ARRIVAL
1	FVFA	FVFA
2	FVFA	YPPH
3	YPPH	YAYE
4	YAYE	YAYE
5	YAYE	YBAS
6	YBAS	WIII
7	WIII	ZULS
8	ZULS	ZULS
9	ZULS	VIDP
10	VIDP	VIDP
11	VIDP	HECA
12	HECA	HECA
13	HECA	URWW
14	URWW	URWW
15	URWW	ULLI
16	ULLI	ULLI
17	ULLI	LIRA
18	LIRA	LIRA
19	LIRA	EGHI
20	EGHI	EGHI
21	EGHI	LPMR
22	LPMR	LPMR
23	LPMR	GOOY
24	GOOY	SBGL
25	SBGL	SBGL
26	SBGL	SPIM
27	SPIM	SCIP
28	SCIP	SCIP
29	SCIP	SEST
30	SEST	MMCT
31	MMCT	KGCN
32	KGCN	KRCA
33	KRCA	KRCA
34	KRCA	KIAG
35	KIAG	KIAG

^{*}Special missions in blue.

DOWNLOAD AND FOLLOW THE INSTRUCTIONS TO INSTALL

These files need to be installed in order to see the sceneries developed for this tour.

- Pack 1 (Basic Pack Library) www.ivao.aero/SpecOps/SOWT12/ezlibfabv.zip 155Mb Install: Open the compressed file and execute the Ez Scenery Library.exe. Activate it at the FS Scenery Library.
- Pack 2 (MCD Mil Library) www.ivao.aero/SpecOps/SOWT12/mcdmil.zip 8,5Mb Install: Open the compressed file and you will find the folder MCDMil. Inside it you will find two folders: MCDMil Scenery and Effect BACKUP the ORIGINAL first. Install and activate the first one (MCDMil Scenery) in the FS Scenery Library. The second folder (Effect BACKUP the ORIGINAL first) have only the file fx_dirtcrash.fx inside it. Make a backup of the former file, at you FS/Effects folder, and overwrite it with the one you found inside the Effect BACKUP the ORIGINAL first folder.

Obs.: If you've downloaded the libraries for the SOWT2012 and still have them installed, you do not need to download and install them again.

- Pack 2.1 (AB Libs) www.ivao.aero/SpecOps/downloads/ABLIBS.zip 3,2Mb Install: Install at Addon Scenery and activate it at the FS Scenery Library.
- Pack 3 (Victoria Falls) www.ivao.aero/SpecOps/SOWT13/vicfalls.zip 3,5Mb Installation: Placement of the gorge and bridge are optimized for TERRAIN MAX VERTEX LEVEL=20.
- 1) Extract vicfalls.zip to a temporary directory, making sure that the "use folder names" option is enabled.
- 2) Move the four .fx files from the "effects" folder into your "FS..\Effects" folder.
- 3) Move the "Africa Victoria Falls scenery" and "Africa Victoria Falls bridge" folders into your "FS..\Addon Scenery" folder.
- 4) Start up FS and add/activate the "Africa Victoria Falls scenery" and "Africa Victoria Falls bridge" folders with the Settings > Scenery Library > Add Scenery function. Level of priority is not important as long as it is above (in the Scenery Library window) the default Africa scenery. Shut down FS and restart to rebuild the Scenery Library (only necessary with FS2004).
- Pack 4 (Rio de Janeiro v9) <u>www.ivao.aero/SpecOps/SOWT13/rio.zip</u> 69,5Mb To install the RioDeJaneiroV9.0:

If you already have the installed older versions: unistall scenery and / or another scenery who occupies the same area.

1 - Unzip RioDejaneiroV9.0 to any folder of your choice.

- 1 Explore RioDejaneiroV9.0; copy the folder "Flight simulator 9" with the whole his content and paste in your folder Flight Simulator 9.
- 2 Open the FS9, go to settings / scenery and add and check the new area RioDeJaneiroV9.1 in addon scenery. Quit FS9 and restart it.
- Pack 5 (Tibet Potala Palace) <u>www.ivao.aero/SpecOps/SOWT13/tibet 93.zip</u> 424Kb

Installation:

- delete all previous versions of this scenery completely
- unzip the ZIP-file into your Microsoft Games\FS2004\ADDON SCENERY -folder
- you get 2 new folders:

"Tibet" (folder of scenery)

"Landclass" (do not add a "texture" folder!)

- open FS2004, install and activate the scenery in the scenery library
- Pack 6 (Tibet Lhasa Gongar ZULS) www.ivao.aero/SpecOps/SOWT13/zuls.zip 6,4Mb

Install: Extract the ZULS folder to you FS/Addon scenery folder, and activate it at the FS scenery library.

Please seperate HL972210.bgl RD972210.bgl and ST972210.bgl from your <FS9 main folder>/scenery/asia/scenery folder and copy the BGL file HP972210.bgl (found inside your new ZULS folder) to the folder <FS9 main folder>/scenery/asia/scenery. Remember to make a backup of the original HP972210.bgl first.

• Pack 7 (Wonder Scenery Package) - <u>www.ivao.aero/SpecOps/SOWT13/wonder.zip</u> e www.ivao.aero/SpecOps/SOWT13/fire.zip

Install: Extract the folder WONDER, to your FS/Addon Scenery folder and activate it at the FS scenery library.

Pack 8 - Russian Sceneries

URWW for FS2004

http://ivaoru.org/sites/default/files/scenery files/URWW fs2004.zip

URWW for FSX: http://www.avsim.su/f/fs2004-scenarii-44/aeroport-gumrak-urww-g-volgograd-7393.html

Scenery of ULLI for FS2004:

http://ivaoru.org/sites/default/files/scenery_files/ULLI_fs2004.zip

Scenery of ULLI for FSX: http://ivaoru.org/sites/default/files/scenery files/ULLI fsx.zip

Scenery of Valaam for FS2004: http://ulll.avsim.su/download/Valaam-53A.zip Scenery of Valaam for FSX: www.ivao.aero/SpecOps/SOWT13/Valaamfsx.rar

Welcome Pilot! Follow the rules and the sequence and have a nice tour!

Leg #1 - MISSION 1

DEP	ARR	DIST NM	ACFT TYPE	TRANSONIC ALLOWED
FVFA	FVFA	-	HELI/LIGHT	NO

Mission: Victoria Falls - Boat crash Rescue. You are the unique SAR unit in the area and 8 guys are on the water right now. 2 of them were reported near the Victoria Falls Bridge. Go there and rescue the first two and follow along the river do the East and search for the last 6 survivors.

Leg #2

DEP	ARR	DIST NM	ACFT TYPE	TRANSONIC ALLOWED
FVFA	YPPH	4893	FREE	YES ABOVE FL420

Leg #3

DEP	ARR	DIST NM	ACFT TYPE	TRANSONIC ALLOWED
YPPH	YAYE	887	FREE	NO

Leg #4 - MISSION 2

DEP	ARR	DIST NM	ACFT TYPE	TRANSONIC ALLOWED
YAYE	YAYE	-	HELI/LIGHT	NO

Mission: Takeoff from YAYE and proceed to YYND, make a short land (5 minutes) to get the VIP for a sightseeing at Ayers Rock (Uluru), and proceed do your final land at YAYE.

Leg #5

DEP	ARR	DIST NM	ACFT TYPE	TRANSONIC ALLOWED
YAYE	YBAS	180	HELI/LIGHT	NO

Leg #6

DEP	ARR	DIST NM	ACFT TYPE	TRANSONIC ALLOWED
YBAS	WIII	1895	FREE	YES ABOVE FL420

Leg #7

DEP	ARR	DIST NM	ACFT TYPE	TRANSONIC ALLOWED
WIII	ZULS	2326	FREE	YES ABOVE FL420

Leg #8 - MISSION 3

DEP	ARR	DIST NM	ACFT TYPE	TRANSONIC ALLOWED
ZULS	ZULS	-	HELI/LIGHT	NO

Mission: You are in charge of a cargo flight to the Potala Palace. Takeoff from Lhasa and proceed to west till you find the first valley to your right (North). Follow it till you find the Lhasa city and lake at your right (about 5 minutes flying). You will see the Potala Palace also at your right. Unload your cargo in a hoist operation over the Palace or make some cargo drops over it.

Leg #9

DEP	ARR	DIST NM	ACFT TYPE	TRANSONIC ALLOWED
ZULS	VIDP	736	FREE	NO

Leg #10 - MISSION 4

DEP	ARR	DIST NM	ACFT TYPE	TRANSONIC ALLOWED
VIDP	VIDP	_	FREE	NO

Mission: You are invited to the annual Air Show which takes place near the Taj Mahal. Takeoff and execute a 10 minutes flight over the Taj Mahal, performing some low-level maneuvers to the crowd watching you, and 5 touch and goes (TGLs) at VIAG between your low-level passages over the monument.

Leg #11

DEP	ARR	DIST NM	ACFT TYPE	TRANSONIC ALLOWED
VIDP	HECA	2445	FREE	YES ABOVE FL420

Leg #12 - MISSION 5

DEP	ARR	DIST NM	ACFT TYPE	TRANSONIC ALLOWED
HECA	HECA	-	HELI/LIGHT ACFT	NO

Mission: You are called to transport some scientists which are located near the Pyramids, and to unload them at the Origin GAS ship, located at North from HEAX, after unload them you should return to HECA.

Leg #13

DEP	ARR	DIST NM	ACFT TYPE	TRANSONIC ALLOWED
HECA	URWW	1266	FREE	YES ABOVE FL420

Leg #14 – MISSION 6

DEP	ARR	DIST NM	ACFT TYPE	TRANSONIC ALLOWED
URWW	URWW	_	HELI/LIGHT	NO

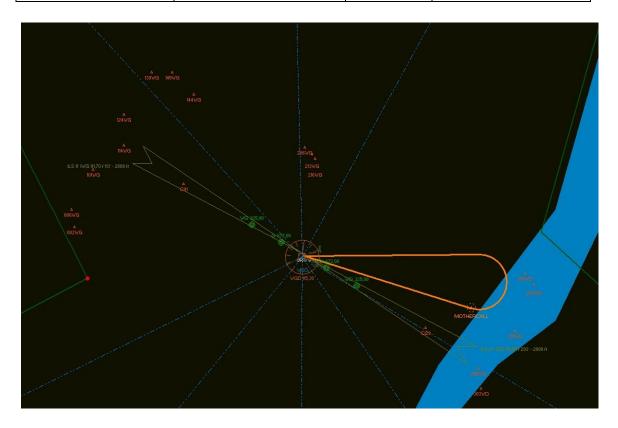
Mission: Welcome on Russia land. Today we will fly a short observing flight. The main showplaces of Volvograd are Mamayev Kurgan and a huge monument named "The Mothrland Calls", commemorating the Battle of Stalingrad in WWII. Declared the largest statue in the world in 1967, it is significantly more complex from an engineering point of view due to its characteristic posture with a sword raised high in the right hand and the left hand extended in a calling gesture. It is really majestic structure, but with some problems. The main problem is statue is currently leaning due to groundwater level changes causing movement of the foundations; the leaning is rapidly getting worse. The statue is not fixed to its foundations and is held in place only by its weight. It has bank 22 centimetres to the Volga river and is not expected to be able to move much farther without collapsing. The critical bank is 27 centimeters. Also some cracks were spotted near right arm of the sculpture. So, we need to check it's position time to time. Take your helicopter or any small prop aircraft and take some photos of monument. Its height is 90 meters, so be careful near it.

Obs.: In Russia above Transition Flight Level use feets, but below Transition Altitude use meters!

You start in Gumrak – main airport of Volgograd. Here is your flightplan:

ROUTE: URWW MOTHERLAND CALLS MONUMENT URWW

Code	Coordinates	Course	Distance
URWW	N48°46'53" E044°20'48"		
The Motherland Calls	N48°44'31" E044°32'13"	107°/099°	008 NM
monument			
URWW	N48°46'53" E044°20'48"	288°/280°	008 NM



After taking photo go back to Gumrak via it aerodrome circuit and share photos somewhere, so we can look at it and analyze position of monument.

Leg #15

DEP	ARR	DIST NM	ACFT TYPE	TRANSONIC ALLOWED
URWW	ULLI	864	FREE	no

Leg #16 – MISSION 7

DEP	ARR	DIST NM	ACFT TYPE	TRANSONIC ALLOWED
ULLI	ULLI	-	HELI/LIGHT	NO

Mission: Your next mission will be delivery cargo and people to the Valaam archipelago, which is situated in north part of Lake Ladozhskoe. I made some history tips for you. Take it and read.

Historical data:

The total area of its more than 50 islands is 36 km². The largest island is also called Valaam. It is best known as the site of the 14th century Valaam Monastery and for its natural beauty. In the 12th century, the islands were a part of the Novgorod Republic. In the 17th century, they were captured by Sweden during the Time of Troubles, but Russia reconquered them less than a century later. When the Grand Duchy of Finland was set up in the early 19th century as an autonomous part of the Russian Empire, Alexander I of Russia made Valaam a part of Finland. In 1917, Valaam became a part of newly independent Finland, but it was acquired by the USSR after the Winter War and Continuation War.

The island is permanently inhabited by monks and families. In 1999, there were about 600 residents on the main island; including army service personnel, restoration workers, guides and monks. There is a kindergarten, an arts and sports venue, a school and a medical center.

During the summer, the main island can be reached by tour boats which leave St. Petersburg at night and arrive at the island the following morning. But the boat is too slow and time to time we use aviation for fast deliveries. You are lucky: we have some staff to deliver right now. So, you can help us and see one of the most beautiful place in the world. Here your flight briefing, read it carefully.

There is no any runway or helipad to land on Valaam archipelago. So, you need to fly couple circuits over main island and choose place to land. Be careful during approach! After unload go back to St. Petersburg via intersection AGBON and join STAR. Total distance is 221 NM.

Flight briefing

ROUTE: ULLI DCT SEGON DCT TOKSO DCT 6131E DCT VALAAM DCT AGBON ULLI

Obs.: In Russia above Transition Flight Level use feets, but below Transition Altitude use meters! You can fly any helicopter or small proper aircraft like An-2 or even any turboprop like Beechcraft King Air 350. So, choose your wings and go to hangar. We must deliver cargo and people in 2 hours. Go!

Code	Coordinates	Course	Distance
ULLI	N59°47'59" E030°15'53"		
SEGON	N59°58'47" E030°29'52"	033°/024°	013 NM
TOKSO	N60°09'06" E030°30'59"	003°/354°	010 NM
6131E (GPS Fix)	N61°00'00" E031°00'00"	015°/005°	053 NM
VALAAM	N61°21'59" E030°55'59"	355°/345°	022 NM
AGBON	N60°01'58" E031°32'51"	167°/157°	082 NM
ULLI	N59°47'59" E030°15'53"	251°/241°	041 NM



Leg #17

DEP	ARR	DIST NM	ACFT TYPE	TRANSONIC ALLOWED
ULLI	LIRA	1262	FREE	YES ABOVE FL420

Leg #18 - MISSION 8

DEP	ARR	DIST NM	ACFT TYPE	TRANSONIC ALLOWED
LIRA	LIRA	_	HELI/LIGHT	NO

Mission: You are now working in Italy. Get the VIPs at the Costa Brava Ship, located west of Rome (RDL231 21NM OST VOR 114.90), and go for sightseeing the Colosseum (5 mins flight over the region).

Leg #19

DEP	ARR	DIST NM	ACFT TYPE	TRANSONIC ALLOWED
LIRA	EGHI	786	FREE	YES ABOVE FL420

Leg #20 - MISSION 9

DEP	ARR	DIST NM	ACFT TYPE	TRANSONIC ALLOWED
EGHI	EGHI	-	HELI/LIGHT	NO

Mission: Take off to support the battleships at the channel (RDL187 43NM SAM VOR 113.35) and take advantage for sightseeing the famous Stonehenge.

Leg #21

DEP	ARR	DIST NM	ACFT TYPE	TRANSONIC ALLOWED
EGHI	LPMR	738	FREE	NO

Leg #22 - MISSION 10

DEP	ARR	DIST NM	ACFT TYPE	TRANSONIC ALLOWED
LPMR	LPMR	-	SAR ACFT	NO

Mission: Ship Rescue – Search Area between RDL 280-290 OVAR VOR 110.60, 50-60nm – N40° 59.92′ W009° 51.19′, Bring the survivors to LPMR or drop some life rafts.

Leg #23

DEP	ARR	DIST NM	ACFT TYPE	TRANSONIC ALLOWED
LPMR	GOOY	1571	FREE	YES ABOVE FL420

Leg #24

DEP	ARR	DIST NM	ACFT TYPE	TRANSONIC ALLOWED
GOOY	SBGL	2714	HELI/LIGHT ACFT	NO

Leg #25 – MISSION 11

DEP	ARR	DIST NM	ACFT TYPE	TRANSONIC ALLOWED
SBGL	SBGL	-	HELI/LIGHT	NO

Mission: Rio de Janeiro is the place of the FIFA 2014 World Cup and the 2016 Olympic Games and this is your time to see what Rio de Janeiro is all about. Take off and make a 10 min sightseeing in Rio de Janeiro and understand why it is called as the Wonderful City.

Leg #26

DEP	ARR	DIST NM	ACFT TYPE	TRANSONIC ALLOWED
SBGL	SPIM	2038	FREE	YES ABOVE FL420

Leg #27

DEP	ARR	DIST NM	ACFT TYPE	TRANSONIC ALLOWED
SPIM	SCIP	2027	FREE	NO

Leg #28 – MISSION 12

DEP	ARR	DIST NM	ACFT TYPE	TRANSONIC ALLOWED
SCIP	SCIP	-	HELI/LIGHT	NO

Mission: Easter Island Quest - How many Moais do we have in Easter Island? It is your task to find this answer. Report it for us at the Comments field of your Tour report.

Leg #29

DEP	ARR	DIST NM	ACFT TYPE	TRANSONIC ALLOWED
SCIP	SEST	1943	FREE	YES ABOVE FL420

Leg #30

DEP	ARR	DIST NM	ACFT TYPE	TRANSONIC ALLOWED
SEST	MMCT	1269	FREE	YES ABOVE FL420

Leg #31

DEP	ARR	DIST NM	ACFT TYPE	TRANSONIC ALLOWED
MMCT	KGCN	1546	FREE	YES ABOVE FL420

Leg #32 - MISSION 13

DEP	ARR	DIST NM	ACFT TYPE	TRANSONIC ALLOWED
KGCN	KRCA	617	FREE	NO

Mission: Low Level inside the Canyon - Flying through the canyon, proceed in a low level flight (lower than 300ft AGL) to KRCA.

Leg #33 - MISSION 14

DEP	ARR	DIST NM	ACFT TYPE	TRANSONIC ALLOWED
KRCA	KRCA	-	HELI/LIGHT	NO

Mission: Rescue at the Mount Rushmore – We have 3 lost guys needing your SAR assistance. Their last contact was near the basis of the Mount Rushmore. Move! They need your help.

Leg #34

DEP	ARR	DIST NM	ACFT TYPE	TRANSONIC ALLOWED
KRCA	KIAG	1062	FREE	YES ABOVE FL420

Leg #35 – MISSION 15

DEP	ARR	DIST NM	ACFT TYPE	TRANSONIC ALLOWED
KIAG	KIAG	-	HELI/LIGHT	NO

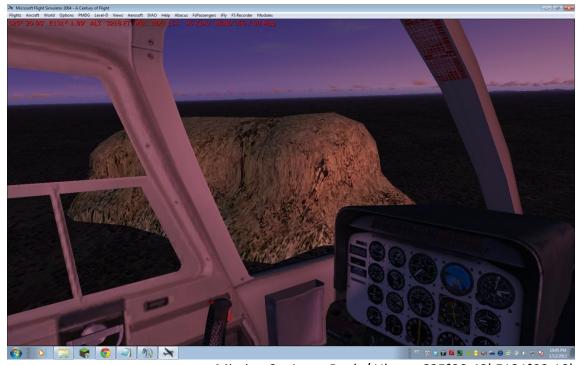
Mission: This is the end of this tour. Take off from KIAG and follow to Niagara Falls. This is your last sightseeing flight. Let's make some pictures (and if you takeoff between 8-9PM local, you will have a small surprise). Enjoy it!

Emergency Section

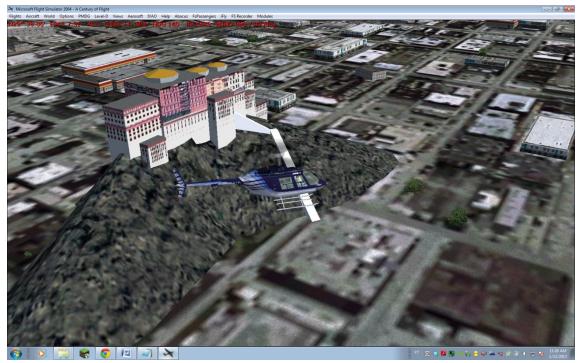
Be careful! The information of the next lines could act as spoilers. Use the contents of this section at your own.



Mission 1 - Victoria Falls - S17°53.32' E025°47.99'



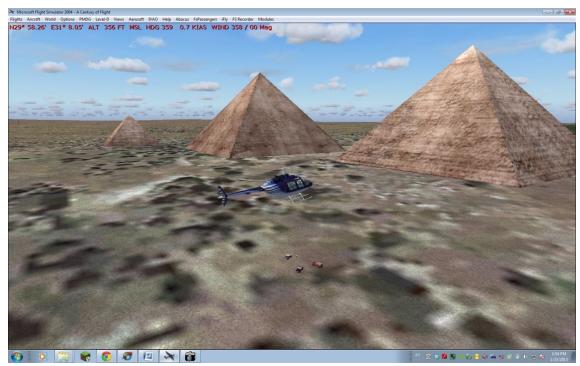
Mission 2 - Ayers Rock / Uluru - S25°20.42' E131°02.10'



Mission 3 - Potala Palace - N29°38.85' E091°06.43'



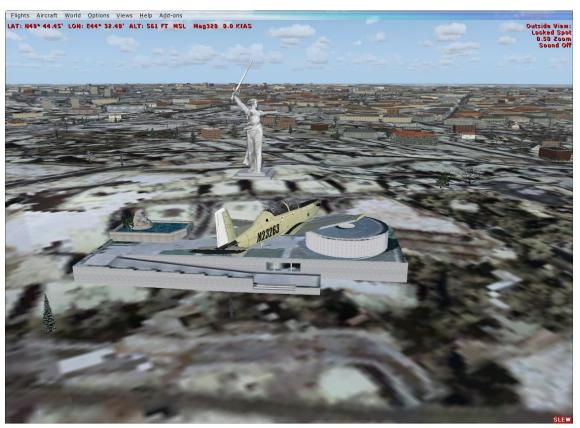
Mission 4 - Taj Mahal - N27°10.91' E078°02.98'



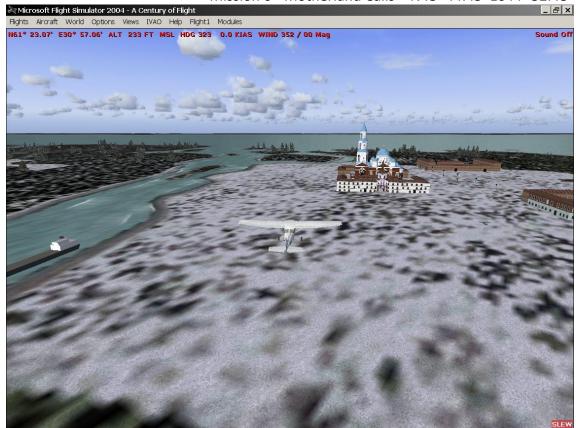
Mission 5 - Pyramids - Scientists - N29°58.18' E031°08.64'



Mission 5 - Boat - N31°15.39' E029°56.59'



Mission 6 - Motherland Calls - N48° 44.45′ E044° 32.48′



Mission 7 - Valaam N61° 23.07' E030° 57.06'



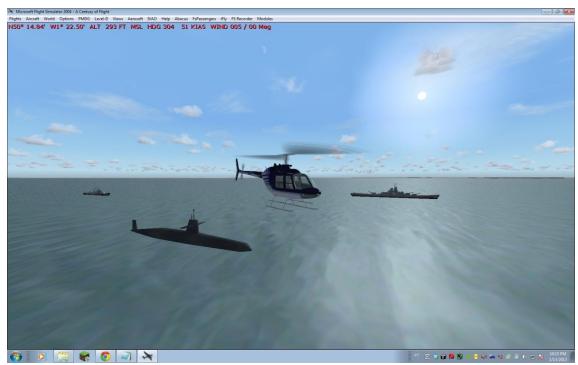
Mission 8 - Colosseum - Boat - N41°35.12' E011°52.65'



Mission 8 - Colosseum - N41°53.95' E012°29.12'



Mission 9 - Stonehenge - Stonehenge - N51°11.12' W001°50.94'



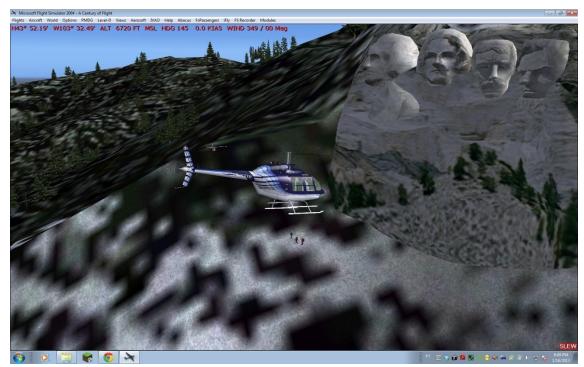
Mission 9 - Battleships - N50°14.44' W001°22.72'



Mission 10 - Ship Rescue - N40° 59.91′ W009° 50.85′



Mission 12 - Moais - S27°09.96' W109°21.19'



Mission 14 - Mount Rushmore - N43°52.18' W103°32.46'



Mission 15 - Niagara Falls - N43°05.96' W079°04.04'



Mission 15 - Niagara Falls if you arrive between 8-9PM local

Special thanks to:

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