

Tips & Tricks for Microsoft Flight Simulator 2004

by David "Opa" Marshall

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TITLE	SUBJECT	SUMMARY	RELATED DOWNLOAD	D/L FILENAME	DOWNLOAD AUTHOR	AIRCRAFT or SCENERY GENERAL NAME	AIRCRAFT or SCENERY SPECIFIC NAME	LINK	T&T ISSUE
2006 Desktop Calendars	Utility	Desktop calendars for 2006 based on FS2004 screen shots.		2006cals.zip	Capt. Wes Archibald			http://www.avsim.com/	19
3D Contrails	Aircraft tweak	Download to enable creation of realistic 3D contrails behind high-flying aircraft.	3D Contrail	fscontrail2004_v1.0.zip	Michael Thomas			http://www.avsim.com/	10
3D Contrails	Website	Link to discussion on creating aircraft contrails.			Scott Gridley			http://forums.avsim.net/dcboard.php?az=show_m	10
4th Hand Gauge	Panels and guages	A gauge which will automatically raise and lower the landing gear on any aircraft with retractable gear, which can be preset for any altitude and manually overridden.		4thhand.zip at AVSIM or Flightsim.com	Glenn Copeland			http://www.avsim.com/	22
A "Dream" setup	Systems	Illustrated description of one simmer's hardware setup for FS.							9
A "Favorites" Tip	Systems	Setting up easy access to FS files and folders by using the Windows Explorer or My Computer "favourites" option.							23

A "Must Have" on Your Favorite Web Site List	Website	Link to the FAA (Federal Aviation Administration) website, USA. Provides NOTAM information and other services.						http://www.faa.gov/	11
A "Heads Up" for Scenery Designers and/or Enhancers	Design	A flyable basic "pointer" for positioning objects in FS using programs such as RWY12.		scenery_pointer.zip	Larry Silsbee			http://www.avsim.com/	11
A Better Mousetrap?	FS performance	Tutorial on how to set up multiple, selectable configurations of FS2004.		multiple_fs9.exe_no_tool.zip	David Roch			http://www.avsim.com/	18
A Brit in Maine	Scenery	Scenery of Bangor, Maine airport (KBGR). Designed to allow easy exclusion of scenery elements for lower-end systems.		kbgr_jy3.zip	John Young	United States	Maine	http://www.avsim.com/	21
A Caution to Observe When Changing Items in the FS9.cfg file	FS performance	Caution to only edit FS9.cfg when FS2004 is NOT running.							8
A Couple of Tricks Using AFCAD	Scenery design	Using AFCAD to provide other scenery enhancements such as roads and grassed areas, inspired by Craig Swartzlander's work (see link at right).						http://it-dev-cas7.pn.buffalo.edu/fse/	5

A Fine Jet Aircraft	Aircraft	The Su-22 variable geometry fighter with sweeping wings, operating brake chute and other features.		su22m4_v1.2.zip	Jan Moravec	Sukhoi	Su-22	http://www.avsim.com/	21
A Fine Screenshot Program	Utility	Freeware screen capture program from Wisdom-soft.	ScreenHunter 4.0 Free		Wisdom-soft			http://www.wisdom-soft.com/products/screenhunter_free.htm	23
A Funny Thing Happened On The Way To The Forum	Website	Suggestion to use online FS forums as a help resource.							3
A Great Demo Program!	Aircraft	Downloadable demo of FS aircraft menu viewer; enables viewing of aircraft and liveries, including any made invisible for AI purposes. Full payware version allows liveries to be edited / repainted.	Abacus FSR (Flight Simulator Repaint)					http://www.flightsimdownloads.com/pub/AbacusFSRRepaintDemo.exe	11
A Great Site	Website	"The Pilot's Friend", a comprehensive and useful aviation website with information about locations of world airports, details of general aviation aircraft and very much more.						http://www.pilotfriend.com/	24

A Happy Ending	Panels and guages	More information about a panel guage to facilitate ATC responses (search this index for "Nick Pike" for the original reference or consult to T&T 16). Directions to a downloadable version of the guage for general use.		ATCDIGITS_Tutorial.zip at AVSIM: ATCDIGTU.zip at Flightsim.com				http://www.avsim.com/	18
A Happy Ending	Aircraft	Development of a full-featured payware F117A Nighthawk by Nick Pike.			Nick Pike	Lockheed	F117 Nighthawk	http://fs2x.com/	18
A Happy Ending	Systems	Nostromo Speedpad - a small keypad containing two rows of keys numbered 1 to 5 and 6 to 10 plus a few other programmable keys to allow some FS functions to be set on a dedicated keypad.						http://catalog.belkin.com/IWCatProductPage.process?Merchant_Id=&Section_Id=2071&pcount=&Product_Id=157024	18
Airline Mergers	Humour	A photo purporting to show a livery resulting from airline mergers!							25
A Little "Gem"	Scenery	Courtenay Airpark CAH3, Vancouver Island BC, a GA airport designed for Ultimate Terrain but works in default.		Courtenay_Airpark_V1a.ZIP	Peter Hall	Canada	British Columbia	http://www.vaniseva.com/index.php?action=scenery	18

A New Design Tool	Utility	Instant Object Maker, a payware tool to enable construction of 3D scenery objects, which may be placed directly into scenery or incorporated into a scenery library for use with other object placement programs.			Flightsim Tools			http://flightsimtools.com/iom/	25
A New Recording Enhancement	Utility	An enhancement to the FS recording program, in beta at the time of writing. A small file which enables view changes and alteration of other parameters in the resulting recording.			Matthias Neusinger			http://www.neusinger.net/recorder/index.php	18
A New Tool for Scenery Creators	Scenery design	Tool to capture values such as coordinates from FS2004 for use in various scenery creation		fs-values.zip	Wolfgang Schwarz			http://www.avsim.com/	10
A New Scenery Creator Program	Scenery design	A payware scenery enhancer (with free demonstration version available). Scenery is placed within flightsim, with the results visible as you work. Able to accept additional scenery libraries.	EZ-Scenery		Abacus			http://www.abacuspub.com/ezenery	18

A New Way to Watch AI Traffic	Utility	Microsoft Traffic Toolbox, known to AI designers, allows users to select an AI flight and follow it in spot view. It also allows users to take control of the AI aircraft and print airport lists.	Traffic Toolbox	traffictoolbox_sdk_setup.exe	Microsoft			http://www.microsoft.com/games/flightsimulator/fs2004_downloads_sdk.asp#traffic	14
A Nifty Windows XP Utility	Utility	Link to BaxBex website to obtain a utility to create an icon enabling easy creation of a new folders for use when unzipping and installing new items.	BXNewFolder	bxnewfolder_v100.exe				http://www.baxbex.com/products.html	13
Are They the Same?	Utility	ExamDiff free utility which will display any two files and highlight the differences, useful in Flight Sim as well as other applications.						http://www.prestosoft.com/ps.asp?page=edp_examdiff	23
A Second Chance	Background	The rare Martin Mars flying boat of WW2, four of which in later years continued to serve as fire-bombers.						http://www.gotofino.com/sproatlakemarsbombers.html	19
A Sound Enhancement for Helicopters	Aircraft	Guage which enables sound changes according to engine speed of helicopters.		chpsnd_04.zip	Alejandro Villa, Brian Kostick			http://www.flightsim.com/cgi/kds/main/menuchoo.htm	11

A Source for How To's	Website	Link to Flightsim.com's tutorial and how-to section.						http://www.flightsim.com/cgi/kds?\$_=main/m-	10
A Step Saver for FSNavigator Users	Aircraft	The Lockheed / Kawasaki P-3C package by FS KBT.		p-3c_.zip and p3up_kbt.zip (AVSIM)		Lockheed Kawasaki	P-3C Orion	http://www.avsim.com/	12
A Panorama View	Aircraft tweak	How to enable panning in 2D cockpit view, and reminder of keyboard							21
A Special Gaming Boot	FS performance	Summary, and link to site explaining how to set up a specialised minimal boot to run FS without unnecessary resource drains in the background.						http://support.microsoft.com/default.aspx?kbid=331796	24
A Step Saver for FSNavigator Users	Utility	Short cut to adding new aircraft profiles to the FSNavigator menu.							12
ATIS Tips	FS performance	Options to edit or turn off the ATIS messages in FS, including link to a program to hide the scrolling message bar.		AdvDisp.zip				http://www.schiratti.com/dowson.html	16
A Unique Fundraiser	Scenery	A scenery package to add the historic City Federal Building to Birmingham, Ala., with links to a fundraising site to save the		cityfederal.zip	Central Alabama Scenery Design	United States	Alabama	http://www.avsim.com/	8
A Useful Windows Utility	Utility	Windows toolbar which allows quick access to files.		find.pcworld.com/47126				Use search engine - e.g. Google - and	11

A Virtual Cockpit Just What Is It?	Aircraft	Explanation of what a virtual cockpit is and comparison with the 2-dimensional cockpit / panel.							11
A Windows Tip	Systems	How to quickly change font size in some email clients.							22
A Word Regarding Sceneries etc I	Editorial	Explanation of author's focus in US sceneries.							4
A Work In Progress	Scenery	Scenery Ottawa CYOW airport, Ontario, in production, with progress download available.		CYOWAlpha11.zip	Paul Mainville	Canada	Ontario	http://www.vnwa.com/Noramair/Projects/Ottowa.html#CYOWAlpha	12
A Work In Progress	Scenery	FS2002 scenery for Rockliffe Airport CYRO, Ontario, Canada, which works in FS2004. Also needs patch file.		rockliffe.zip rocklifpatch.zip	Jim Turner	Canada	Ontario	http://www.avsim.com/	12
A Work In Progress	Scenery	FS2002 scenery for Gatineau-Ottawa CYND airport, Quebec, Canada, works in FS2004, and an update is expected.		cynd02v1.zip	Normand Boucher	Canada	Quebec	http://www.flightsim.com/cgi/kds/main/menuchoo.htm	12
A Work In Progress	Scenery	Landclass file for Ottawa, Ontario area, including the missing in default suburb of Orleans.		ottland1.zip	Roger Wensley	Canada	Ontario	http://www.avsim.com/	12

Adding a Tower	Scenery	Adding identification, comm and nav frequencies for control towers using AFCAD.							10
Addon Mesh Resource Site	Website	Link to site with information on effective installation of terrain mesh in FS2002 and FS2004, and how to test how FS handles the mesh.	FS-Traveller					http://www.fs-traveler.com/priority.shtml	7
A Handy Tip	FS performance	How to add comment lines for recording changes when editing an FS .cfg file; and how to rem out unwanted lines to retain them as a record.							21
AI Made Easy	AI traffic	Tutorial on how to create AI traffic.		ai_made_easy.zip	Mike Stanton			http://www.avsim.com/	22
AI Orphans	Utility	A utility for listing and analysing aircraft installed to FS2004 and for identifying errors. Can be used to cull AI aircraft not assigned to flightplans. Needs .NET Framework 1.1 intalled.	Aircraft Analyzer 2005 v1.2		Peter van der Veen			http://aifs.pvdveen.net/ACA2005.htm	25
AI Smooth – Updated	Utility	Update to the AI Smooth program (T&T issue 11) with option of voice input.		aismooth_v111a.zip				http://www.avsim.com/	14

AI Sounds 101	AI traffic	Introduction to Artificial Intelligence aircraft. Download package to enhance the sounds of AI aircraft.		aisound_1.0.zip at AVSIM, aisnz.zip at Flightsim.com	Christian Neuberg, Aaron R. Swindle			http://www.avsim.com/	11
AI Sounds 101	AI traffic	Explanation of FS traffic .bgl files. Ability of FS2004 to use several traffic files.							11
AI traffic	AI traffic	Alternatives to the default AI airlines; repaints, traffic bgl, link to Project AI.						http://www.projectai.com	2
AI Traffic not Displaying?	AI traffic	Absences of some AI traffic may be due to a setting in FS9.cfg which can selectively enable IFR / VFR traffic.							21
AI Excellence	Scenery	Scenery of flotilla of Japanese aircraft carriers and support ships with many AI aircraft taking off and landing on the carriers in a fictitious setting of the World War II, Battle of Midway. Includes numerous effects.		Midway_J.zip	Yanco			http://flightinfo.eas.ne.jp/FS_KBT/Download/yanco_san/midway_j.zip	20
Aerobatics Guide	Flying	An illustrated guide that shows precisely how to perform aerobatic maneuvers properly in Flight Sim.		aerobatics.zip	Bernardo Srulzon			http://www.avsim.com/	19

Aircraft	Aircraft	Invisible "spotter's" plane for viewing scenery or aircraft spotting.		spottersplane.zip				http://www.avsim.com/	1
Aircraft	Surface vehicle	Pilotable ground vehicles, specifically Bill Lyons' classic Jaguar XK-120 sports car.	Search for this and other downloads		Bill Lyons			http://windrfters.com/	1
Aircraft Bone Yard	Website	AMARC, or the Aerospace Maintenance And Regeneration Center, near Davis-Monthan Air Force Base where large numbers of unused military aircraft are placed in open-air storage. Link to website.						http://www.amarcexperience.com/AMARCDescription.asp	19
AIS equipped aircraft	Aircraft	Aircraft with Automated Inbuilt Scenery, which produces service vehicles etc. around parked aircraft.	Baby Boeings, Airbus Twins, 767 Heaven and others		Jon Murchison and others			http://arnz.myhost.co.nz/.	2
Alias? What's this Alias thing you mentioned?	Aircraft tweak	How to edit aircraft, panel or sound cfg files to use the panel or sound from a default or other aircraft.							3
Am I Seeing Things?	FS performance	How to make triggers (e.g. fuel boxes, thermals) visible, mainly to assist in design.							25

An AI Helicopter?	Aircraft	Packaged AI version of Jordan Moore's Schweizer 300C Helicopter useful to depict a setting where sightseeing helicopter tours are offered.		ai_schweizer_300c_helicopter.zip		Schweizer	300C	http://www.avsim.com/	20
An AI Helicopter?	Scenery	Preview video of coming scenery for Bear Creek Winery and Lodging.		bcpview.zip	David "Opa" Marshall, Mike Weale			http://www.avsim.com/	20
An Alternative PDF Reader	Utility	A very compact alternative to the Adobe Acrobat PDF reader.	Foxit Reader					http://www.foxitsoftware.com	20
An Alternative to FS ?	Website	Link to a freeware, downloadable open source flight simulator.						http://www.flightgear.org/	24
An Award for Tips and Tricks!	Editorial	Award sent to T&T by a reader.							14
An Exceptional Aircraft	Aircraft	Versatile DHC-6 Super Twin Otter with "user friendly" panel and various animations and features.		dh6_n232.zip	Premier Aircraft Design	De Havilland Canada	DHC6-300 Super Twin Otter	http://www.premaircraft.com/dhc6_new/index.html	22
An Exceptional Design	Scenery	Nut Tree Airport KVCB, California, with RWY12 enhancements and including local landmarks, designed by a person with local knowledge.		nuttree_upd.zip	Daniel Cruz	United States	California	http://www.avsim.com/	22
An Eye for Detail	Scenery	Two packs of sceneries based on EZ libraries which display exceptional detail of Montana airfields.	Montana Unleashed		Lauren Robinson, Sidney Schwartz	United States	Montana	http://library.avsim.net/search.php?SearchTerm=lauren+robinson+sidney+schwartz	25

An Idea for Scenery Designers?	Scenery design	Photo of Cessna flying under natural arch in Utah or Arizona, suggesting possibilities for scenery design.							13
An Important Update	Utility	Downloading the AirEd program to edit .air files, and advice of an update.						http://perso.wanadoo.fr/hsors/FS_Soft/index.html	12
An Important Update	Utility	AAM program enabling .air files to be inspected, with explanations of their content.						http://perso.wanadoo.fr/hsors/FS_Soft/index.html	12
An Impressive Formation	Real world aviation	Photograph of impressive USAF formation over the "Taj Mahal" tower at Randolph Air Force Base in San Antonio, Texas.							24
An Inviting Vacation Destination	Scenery	Scenery package for the area of Roosevelt Lake, Ariz. Including the airfield and numerous scenery and VFR objects.		rsvlt_lk.zip	Robert Palmer	United States	Arizona	http://www.avsim.com/	15
An Inviting Vacation Destination	Scenery	Terrain mesh for Arizona.		aznmmesh.zip	Eddie Denney	United States	Arizona	http://www.flightsim.com/cgi/kds/main/menuchoo.html	15
An Outstanding Panel	Aircraft	Socata Trinidad aircraft, with special mention of its excellent panel by Barry Blaisdell.		tb21n725.zip	Premier Aircraft Design	Socata	TB20 / 21 Trinidad	http://www.flightsim.com/cgi/kds/main/menuchoo.htm	18

And The Answer Is...	Scenery Design	Using AFCAD to ensure new airport designs will show in the FS airport menu. How to add an invisible runway.							5
And The Winner Is?	Systems	Introduces one of the more complex virtual cockpits for flight sim. Includes link to site for more detailed information.						http://home.wxs.nl/~jarkest/home.html	14
And the Winner Is ?	Editorial	Bear Creek scenery wins monthly prize from Flightsim.com, based on user votes.	Bear Creek Winery and Lodging Ver 2.09					http://www.flightsim.com/cgi/kds/main/menuchoo.htm	21
An Interesting Website	Real world aviation	Website which shows real-time aircraft movements around Mineta San Jose International Airport in the southern area of San Francisco Bay .						http://www4.passur.com/sjc.html	23
Annoying Sound?	FS performance	How to turn off the 'click' sound which occurs when clicking menus or items in FS.							25
Another "Dream" setup	Systems	This PC setup is creative...							12
Another AI Tip	AI traffic	How to edit FS9.cfg to change what displays in the visible labels which can be attached to AI traffic.							11
Another Error Message We Can Do Without	FS performance	Editing FS9.cfg to remove error messages relating to "old modules".							12

Another Error Message We Can Do Without	FS performance	Note that in FS9 configuration files, =1 means "true", =0 means "false".							12
Another Fine Addition	Scenery	Scenery package to place the Queen Mary at anchor near Quebec city.		qm2quebec.zip	Pierre Gallant	Canada	Quebec	http://www.avsim.com/	9
Another Fine Addition	Scenery	Two finely detailed sceneries of Chateau Frontenac, Quebec City, and the nearby Beaupre Basilica, Canada.		FRONTENAC2004.zip Beaupre2004.zip	André Côté and Michel Baron	Canada	Quebec	http://membres.lycos.fr/decoresfs/	9
Another Question From the E-Mail Bag Department	FS performance	Brief explanation of the concept of virtual keycodes (a.k.a. keyboard shortcuts or hot keys) as used in FS.							25
Another Tour	Flight plans	Flight plans for air tours conducted between 1925 and 1931 by the Ford Motor Company, manufacturer of the Tri-Motor.		Airtour.exe				http://www.microsoft.com/games/flightsimulator/fs2004_nationalairtour.asp	16
Another Useful Site	Website	Layout, weather information, fuel costs and other details for thousands of airports worldwide.						http://www.fboweb.com/fb40/default.aspx	23

Anti-aliasing, Trilinear and Other Strange Words	FS performance	How to adjust hardware settings to enhance FS performance. Also link to site with system guides section for help with anti-aliasing and other tweaks.						http://www.tweakguides.com	11
A Perfect Sky?	Scenery	Correction to the installation instructions for the sky enhancement package, to accommodate the English language version of FS.	Perfect Sky	perfsky.zip	David Scotti			http://www.flightsim.com/cgi/kds/main/menuchoo.htm	18
Arches Feedback	Scenery	Natural stone arches in Utah, produced as sceneries for FS2002, also works in FS2004.		rainbow.zip, arches-1.zip	Ron Ezra	United States	Utah	http://www.avsim.com/	15
Are You Lonely?	AI traffic	Resource for general aviation AI traffic packages.			Ultimate GA			http://www.ultimatega.com/	15
Are You Ready?	Utility	Assessing your PC for ability to handle the coming Windows Vista operating system.	Windows Vista Upgrade Advisor beta		Microsoft			http://www.microsoft.com/windowsvista/getready/upgradeadvisor/default.aspx	23
Are You Missing Airport Buildings?	FS performance	Fixing loss of default buildings which may be due simply to a change in display settings.							12
Around the World in 80 Days?	Aircraft	Classic radial engine Cessna taildragger includes wing tarpaulin and picnic blanket when parked.		cesawmk2.zip	William Ortis	Cessna	AW Executive	http://www.flightsim.com/cgi/kds/main/menuchoo.htm	16

Around the World in 80 Days?	Scenery	Scenery of Alert, Nunavut, CYLT with landmark signpost giving distances to cities from this remote location.		cylt1aj.zip	Andy Johnson	Canada	Northwest Territories	http://www.flightsim.com/cgi/kds/main/menuchoo.htm	16
Around the World in 80 Days?	Scenery	Detailed scenery of the historic Mont St. Michel, built on an island on a tidal sand flat off the French coast, featuring tidal variations according to time of day. NB: If necessary refer to installation summary in English - the instructions in the download are in French.		smichel2.zip	Pascal Dumat	France	Brittany	http://perso.wanadoo.fr/p.dumat/html/fs2004.htm	16
Around the World in 80 Days?	Scenery	Airport at Granville, France, LFRF, a short distance from Mont St. Michel. See notes on installation in T&T16.		lfrf2005.zip		France	Granville	http://perso.wanadoo.fr/p.dumat/html/fs2004.htm	16
Around the World in 80 Days?	Scenery	Airport at Dinard, France, LFRD, a short distance from Mont St. Michel. Includes landclass, waterclass and nearby city.		lfrd2004-v1a.zip	Etienne Vauchez	France	Dinard	http://www.avsim.com/	16
Around the World in 80 Days?	Scenery	Our Lady of Lebanon shrine.		harissa_v1.0_fs2004.zip	Jad Abizeid	Lebanon	Harissa	http://www.avsim.com/	16
Around the World in 80 Days?	Scenery	Beirut Airport OLBA and surrounding mesh.				Lebanon	Beirut	http://pages.infinit.net/mkaram/Leb2004/	16

Around the World in 80 Days?	Scenery	Scenery of Suez Canal, Egypt, with shipping and bridges.		suezchannel.zip	Winfried Orthmann	Egypt	Suez	http://www.avsim.com/	16
Around the World in 80 Days?	Scenery	Scenery of both the old and new Aswan Dam and lake, and nearby bridge, Egypt.		upperegyp2.zip	Winfried Orthmann	Egypt	Aswan	http://www.avsim.com/	16
Around the World in 80 Days?	Scenery	Detailed scenery of Eilat Airport and nearby structures.		eilatv2_174304.zip	David Rosenfeld	Israel	Eilat	http://www.avsim.com/	16
Around the World in 80 Days?	Scenery	Detailed photoreal scenery of Mt. Vesuvius, overlooking Naples.		vesuvio.zip	Mazzokan	Italy	Naples	http://mazzokan.altervista.org/download2.htm	16
Around the World in 80 Days?	Scenery	Terrain mesh for Italy.		italy.zip	Vincent van Veen	Italy		http://www.avsim.com/	16
Around the World in 80 Days?	Website	Link to website for real-world information about Mt Vesuvius, available as a download for FS9.						http://www.volcanolive.com/vesuvius.html	16
Around the World in 80 Days?	Website	Link to website for real-world information about Mont St. Michel, available as a download for FS9.						http://www.webfoot.com/travel/guides/france/mt.st.mike.html	16
Around the World in 80 Days?	Scenery	Package of mainland China airport sceneries; the major airports of Xiamen, Shenzhen, Shanghai and Guangzhou in detail, with enhancements of 68 others.		aict_scenery_v2.3.20.zip		China		http://www.ai-china.net/eng/dl_showall.asp?cat_id=41&parent_id=10&parent_name=Scenery&sub_name=China+Airports	16

Artificial Horizon Where is It?	FS performance	How to set and edit the red V axis indicator which can be made to appear centre- screen in cockpit.							3
ATC doesn't recognise your aircraft?	Aircraft tweak	Editing aircraft.cfg so ATC correctly refers to your aircraft in radio chatter.							1
ATC doesn't recognise your aircraft?	Utility	Link to EditVoicePack ATC utility site	EditVoicePac k	See site				http://bevelstone.xs4all.nl/FlightSimulator/EditVoicePack/	1
Australian Humor	Humour	Selection of pilot maintenance reports and ground crew responses, supposedly attributed (this time) to Qantas.							14
Autogen Problem?	FS performance	Editing FS9.cfg to remove some autogen scenery objects and enhance framerates.							11
Award News	Editorial	In the Flightsim.com monthly contest for October, Tips and Tricks 16 was awarded the developers plaque in the Utility category. Thanks to all who voted.							17
Back to Work	Scenery	Summary of scenery packages compiled by David Marshall and others, including Canaima Park / Angel Falls, Venezuela		canaima_angelf alls.zip (AVSIM);ca_an gel.zip (Flightsim.com)	David Marshall, David Maldonado, Ron Jeffers, Lou Frost	Venezuela	Canaima	http://www.avsim.com/	23

Back to Work	Scenery	Summary of scenery packages compiled by David Marshall and others, including Easter Island, Chile. Update file also required.		easteris.zip and easter_is_-_missing_textur e.zip (AVSIM); easteris.zip and easterup.zip (Flightsim.com)	David Marshall, John Young, Daniel Rojas, John Burford, Francisco Vargas, Ranier Girbig	Chile	Isla de Pascua / Easter Island	http://www.avsim.com/	23
Back to Work	AI traffic	Heliport and AI shuttle helicopter package, using Sikorsky S-7 by Christopher 'Elvis' Jones in fictitious Dallas Helijet service between various Dallas locations. Separate paints of livery for the fictitious fleet also available.		dallashj.zip (AVSIM & Flightsim.com); s76_dhj.zip	Christopher 'Elvis' Jones; David Marshall; John Burford	United States	Texas	http://www.avsim.com/	23
Back to Work	AI traffic	To complement the fictitious Dallas Helijet helicopter shuttle package, an AI bus service package serving KDAL Dallas Love Field.		kdal_bus.zip (AVSIM & Flightsim.com)	David Marshall	United States	Texas	http://www.avsim.com/	23
Basic	FS performance	Changing view - "Shift" key not needed when using number pad to change view							1

Basic	FS performance	Windowed mode - improvement on frame rates							1
Basic	FS performance	System performance enhancement	Reality XP FS2004 tweaker	reality_xp_fs2k4_tweaker.zip	Reality XP			http://www.avsim.com/	1
Bay Area Bridges Updated!	Scenery	Updated version of the Bay Area Bridges scenery, which replaces the default Golden Gate Bridge and San Francisco-Oakland Bay Bridge and adds the San Mateo-Hayward Bridge and Dumbarton bridges.		bay_area_bridges.zip	Mike Mahat	United States	California	http://www.avsim.com/	15
Beam Me Up	Panels and guages	A small guage to add to panels to enable easy raising and lowering of the eye-point.		pwrseat1.zip	Glen Copeland			http://www.avsim.com/	19
Bells and Whistles	Panels and guages	Detailed panel for use in Boeing 727 aircraft, upgraded from the FS2002 version.		b727.050627.panel.fs2004.zip	Richard Probst	Boeing	727	http://www.avsim.com/	17
Better Late Than Never	Aircraft	The Team FS KBT F/A-18 Hornet package, with several variants included. Update also available.		fa18esh3_138105.zip fa18e231.zip (update)	Team FS KBT	McDonnell-Douglas	F/A-18 Hornet	http://www.avsim.com/	11
Better Late Than Never Department	Scenery	EDDW Bremen, Germany Airport with innovative detail including dynamic scenery objects.		eddw2k43.zip	Oliver Pabst	Germany	Bremen	http://www.avsim.com/	18

Better Looking Airports	Scenery	Airport environment upgrades to improve textures of buildings, runways, taxiways etc.	Airport Environment Upgrade 7.0 (AEU7) and others	aeu7.zip	Chris Arrington			http://www.avsim.com/	5
Better Safe than Sorry	Systems	Starting in safe mode as an aid to diagnosing problems in FS.							21
Black Screen	FS performance	Remedy for black screen in the viewing window of the FS aircraft selection menu.							23
Blue Angels Website	Website	Link to the US Navy's Blue Angels aerobatic team website for information as well as downloadable screensavers, wallpaper and cursor replacements.						http://www.blueangels.navy.mil	18
Bonus File	Attachment	Splash screen of blimp over New York, included with the T&T download.							6
Bonus files!	Attachment	Animated aircraft graphics for adding to emails, use as desktop images etc.							13
Bonus files!	Attachment	Four shortcuts attached to T&T Issue 25; FS2004 Lessons, FS2004 Help; and two options for PC shutdown. All tested in Windows XP only.							25

Bremerton Airport Update	Scenery	Updated version of KPWT Bremerton Airport, Washington, with many structures built using Gmax.	Bremerton National 2005	kpwt05mi.zip	Mark Smith	United States	Washington	http://www.virtualpilot.net/	14
Building a Better Bridge	Scenery	Files to exclude the Champlain Bridge, Montreal, added by the FS9.1 update patch, and replace it with a more accurate version.		mtl_brdg.zip (requires also - excl_pont_champlain_fs91.zip)	Giles Gauthier	Canada	Quebec	http://www.normand.boucher.net/quebec/default.en.htm	14
But "Real Men" Don't Consult Maps!	Website	Short list of links to on-line map resources.							6
But I Can't Remember the ICAO Code!	Utility	Tool to find ICAO code on input of airport name. Runs with or without FS running.		icaosrch.zip	Xavier DePasquale			http://www.flightsim.com/cgi/kds/main/menuchoo.htm	9
But I Don't Want To Throw It Away!	Aircraft	Hint for making some FS2002 aircraft compatible with FS2004.							6
Bypass the Startup Screen!	FS performance	How to edit FS9.cfg to bypass the startup screen and go to the default flight. How to set a default flight. Updated in T&T 4.	Update - T&T 4 - "Twenty Lashes with a Wet Flightplan"					Update - T&T 4 - "Twenty Lashes with a Wet Flightplan"	3
Bypass the Startup Screen!	FS performance	Location and editing of FS9.cfg							3

Cabin Announcement	Humour	Animation with sound of a "typical" modern cabin announcement.						http://www.toilett-e-humor.com/airpl	20
Call Me!	Panels and guages	A Ground Proximity Warning System guage to add to aircraft panels to produce an altitude callout.		rcbgp-33.zip	Rob Barendregt			http://www.avsim.com/	21
Call of Nature	Scenery	Download scenery for Smiley Creek U87, Idaho.	Smiley Creek	u87.zip	Tom Fica	United States	Idaho	http://www.avsim.com/	4
Can the Obvious Be Too Obvious?	FS performance	Simple adjustment to brightness of cockpit instrument lighting.							14
CFG files and how to easily access them	FS performance	How to open Flight Sim's various .cfg files in Notepad for editing.							7
Changing Colors	Aircraft tweaks	Document explaining how to edit the colour of the registration displayed on FS aircraft.		regcolor1.zip	D.B. Robinson			http://www.avsim.com/	16
Changing the Default Startup Flight	FS performance	Step by step illustrated guide for setting a default flight.							10
Changing Your Background	FS performance	How to change the aircraft selection window's background in the FS Create a Flight screen.							22
Changing Your Background	FS performance	Ready-made alternate backgrounds for the aircraft selection window in the FS Create a Flight		ac-view.zip	Frederic Nadot			http://www.avsim.com/	22

Changing Your Background	Aircraft tweaks	Tutorials on adding smoke effects to aircraft available at AVSIM or Flightsim.com.			Mike Basford			http://www.avsim.com/	22
Changing your Slew Speed	FS performance	Editing FS9.cfg to change movement speed in slew mode, for example during scenery editing.							8
Charting Your Course	Real world aviation	Links to sites for charts.						Refer to article	10
Charting Your Course	Scenery	List of water-based airfields in the US appearing in FS2004.		fs9_airports.zip	Winfried Orthmann			http://www.avsim.com/	10
Chasing Rainbows	Website	Link to site providing personal service to optimise the performance of FS9 on your existing system. Also link to a review of the service .	FSGS - Flight Simulator Graphics Solutions					http://www.fs-gs.com/test/newweb/index.html	22
Clarification	Aircraft tweaks	Qualified advice on editing some cfg files for aircraft while FS is running.							9
Clarification	Utility	Filename correction for program for capturing screen shots.	Snapshooter	ss211final_setup.zip	Johan Johanson			http://www.avsim.com/	16
Cloning Aircraft	FS performance	Required editing in addition to folder names when copying entire FS aircraft folders for purposes of modification.							15

Cloning Aircraft	Scenery	Package to add several very interesting view options to the default Cessna 172, to simulate views from various types of doors and windows.	Deckviews II	deckviews2.zip	Slim Tannor			http://www.avsim.com/	15
Clouds vs. Performance	FS performance	Adjusting cloud settings in FS to minimise impact on performance, and suggestions about using clouds to enhance your flying.							21
Collaboration is the Name of the Game	Scenery	Scenery enhancement for Coronado Bridge, San Diego, Cal., and a subsequent exclude file for default bridge.		corona_1.zip corobrex.zip	Robert Kerr, John R. Brooker	United States	California	http://www.flightsim.com/cgi/kds/main/menuchoo.htm	12
Collaboration is the Name of the Game	Scenery	Renaming scenery files to give them priority over others.							12
Collaboration is the Name of the Game	Scenery	American Cemetery in Normandy		maamcmty.zip	Bill Womack, Holger Sandmann, Mid Atlantic	France	Normandy	http://www.avsim.com/	12
Collaboration is the Name of the Game	Scenery	AFCAD to locate American Cemetery in Normandy		acnafcad.zip	Robert A. Baum	France	Normandy	http://www.flightsim.com/cgi/kds/main/menuchoo.htm	12
Columbia River Gorge Fire Tower locations	Attachment	Text file attachment in T&T 8 package with precise positions of fire towers in Holger Sandmann's Columbia River Gorge scenery							8

Computer Resources – the Life Blood of FS2004	Systems	Tutorial to create a Windows XP boot profile for Flight Simulator to disable unneeded hardware and peripherals.		profile_tutorial.zip	David "Opa" Marshall			http://www.avsim.com/	12
Computer Resources – the Life Blood of FS2004	Systems	Printed media article on use of system resources and effects of malware on PC performance.			Andrew Brandt			PCWorld Magazine, July 2005, page 164	12
Computer Resources – the Life Blood of FS2004	Utility	Program to shut down unneeded services and programs when starting FS2004, and to restart them on exiting FS2004.	FSAutostart	fsasv1111.zip	Ken Salter			http://www.avsim.com/	12
Computer Resources – the Life Blood of FS2004	Utility	Program to help decide which services to shut down when starting FS2004.		procexpnt9.zip				find.pcworld.com	12
Computer Maintenance	Systems	Cleaning hint for computers.							25
Confused About File Extensions?	Website	Link to webpage explaining the meaning of various file extensions.						http://filext.com/	14
Confused About Zipping?	Utility	Alternative archiving utilities to zip and unzip files, including Cam UnZip.			Cam Development Company			http://www.camur	25
Conversion Tip	Website	Online currency converter.						http://www.oasisr	16
Cool Car	Surface vehicle	Driveable Formula 3 car for FS.		f3cards.zip	Dennis Simanaitis			http://www.flightsim.com/cgi/kds/main/menuchoo	8

Coordinates Tip	FS performance	How to set FS9 to show more precise latitude and longitude coordinates after pressing Ctr.+Z.							25
Crash To Desktop Tip	FS performance	Some crashes to desktop traced to the FS "soften the dusk/dawn effect" being on.							20
Creating More Disk Space	Systems	Using the Windows XP compression facility followed by defragmenting to regain hard disk space.							10
Crowded Parking	Real world aviation	Photograph of a general aviation mishap between two light aircraft.							24
Dangling Extensions	FS performance	Changing file extensions when backing up, to avoid mishandling of files by FS9.							15
DC3 Tail Dragger	Aircraft	Howard 500 aircraft recommendation	Search for Howard 500 - for base pack,	hw5vc4.zip and others	Milton Shupe	Howard	500	http://www.avsim.com/	1
DC3 Tail Dragger	Aircraft tweaks	Enabling steerable tailwheel in DC3 or other taildragger by editing aircraft.cfg							1

Dead Battery?	Aircraft tweaks	Solution to a fairly common problem involving loss of battery power and therefore failure of various systems a few minutes into a flight.							19
Defrag	FS performance	Improving FS performance by defragmenting your hard drive.							4
Details - Details - Details	Scenery	Details on the Asuka cruise ship in the Ogden Point, Victoria, British Columbia package includes an animated jogger on deck.		vicenh04.zip (also requires evi04.zip)	Jon Patch, Holger Sandmann	Canada	British Columbia	http://www.avsim.com/	14
Details - Details - Details	Scenery	VFR scenery of Theme Park - 6 Flags Over Texas – which is south of the Dallas-Fort Worth airport – KDFW		6-flags-texas_kdfw.zip	Rick Connolly	United States	Texas	http://www.avsim.com/	14
Did You Know Department	FS performance	FS2004 saves the last flight details on exiting FS, and this can be accessed by selecting "Previous flight" from the flights menu.							6
Did You Know?	FS performance	Link to Microsoft form to report errors and faults in default FS2004.		rcbse				See "mailto" link in T&T 4	4
Did you know?	Scenery	Location of default Cape Canaveral / Space Shuttle scenery in FS9.				United States	Florida		3

Did You Notice?	Editorial	Tips & Tricks index is in PDF format only from this issue to reduce overall download size.							19
Didn't We Fly Past That Cloud Ten Minutes Ago?	Navigation	Use of default FS tools and FS navigator.							4
Different File Names for the Same Scenery - Why?	Background	Explanation of why similar download packages have different names at different download sites.							8
Dinner Anyone?	Background	Illustration showing how onboard catering has changed since the days of the prop-liners.							14
Do It Yourself!	Aircraft	Package ocontaining a number of variations for FS of the Bowers Fly Baby homebuilt recreational aircraft.		fb_8jan.zip	Ron Wanttaja	Bowers	Fly Baby	http://www.flightsim.com/cgi/kds/main/menuchoo.htm	19
Do It Yourself!	Website	The website of the real Bowers Fly Baby suppliers.				Bowers	Fly Baby	http://www.bowersflybaby.com	19
Do You See What I See?	Scenery	A small scenery to add Ogopogo, the legendary lake monster of Lake Okanagan near Penticton, British Columbia, Canada.		ogopogo.zip	Ron Jeffers, David Marshall			http://www.avsim.com/	19

Do You See What I See?	Background	Link to website describing Ogopogo, the legendary lake British Columbia monster depicted in the FS scenery by David Marshall.					http://www.tourcanada.com/ogopogo.htm	19
Does This Look Familiar?	Humour	Link to a short but pertinent animation.					http://worteldrie.com/flash/emergency.swf	18
Door opening / closing - problem solved!	Aircraft tweaks	Common difficulties using the "Shift+E" plus numeric key to operate doors or engines fixed by installing a gauge.	Selection Correction Gauge	rcbse-10.zip	Rob Barendregt		http://www.avsim.com/	14
Double your Pleasure - Double your Fun	Systems	Link to site about multi-monitor gaming setups					http://graphics.toomshardware.com/graphic/20040216/index.html	10
Drivers Education 101	Surface vehicle	Hints on using drivable cars in FS.						4
Duplicate AFCADs?	Utility	Utility to check for duplicated AFCADs which may cause conflicts with AI traffic etc.	Scan AFCAD	scanafd.zip	Eliot Rogers		http://www.avsim.com/	1
Duplicate scenery textures	Scenery	Utility which helps locate duplicated scenery textures to recover disc space.		find_all_duplicate_v2.3.zip	Gerard Durand		http://www.avsim.com/	1

Dust, Dust, Dust Everywhere	Aircraft tweaks	Editing the aircraft.cfg and using an effects file from the Lyons Grumman Goose to produce clouds of dust when landing on unsealed runways.		cc9g21f2.zip				http://www.avsim.com/	16
Dust, Dust, Dust Everywhere	Flight plans	Set of flightplans for Colorado Grass Strips.		coloradograss.zip	Slim Tannor			http://www.avsim.com/	16
E-Mail Tip	Website	Creating a graphic in place of your email address for any documentation you may mail or place online. Link to site which automatically creates the graphic. Not showing a readable email address is one method to reduce address harvesting by spammers.						http://services.nexodyne.com/email/index.php	19
Employment Opportunity	Aircraft	Repaint and splash screen included with issue 19; the Tips & Tricks corporate scheme for the Premier Aircraft Design Socata Trinidad. Requires download of original freeware aircraft.		tb21n725.zip	Barry Blaisdell / Premier Aircraft Design ; Dave Armour			http://www.flightsim.com/cgi/kds/main/menuchoo.htm	19
Exceptional items	Utility	Utility to enable following of AI traffic, with a variety of options.	Traffic View Board	tvb_v2.1.zip	Arnt Helge Haland			http://www.avsim.com/	2

Exceptional Scenery	Scenery	Two sceneries released for old Kai Tak airport, Hong Kong - the payware by Fly Tampa and the freeware 9Dragons. This link is to the payware version.			Fly Tampa	Hong Kong	Kai Tak	http://www.flytampa.org/	25
Exceptional Scenery	Scenery	Two sceneries released for old Kai Tak airport, Hong Kong - the payware by Fly Tampa and the freeware 9Dragons. This link is to the freeware version.				Hong Kong	Kai Tak	http://library.avsim.net/search.php?CatID=fs2004scen&SearchTerm=9dragons&Sort=Added&ScanMode=1&Go=Change+View	25
Exceptional Scenery	Scenery	Whilst two versions of the old Hong Kong Kai Tak airport (VHHX) are available, this freeware scenery is for the new Chek Lap Kok airport (VHHH). Item also gives link to instructions for anyone wishing to have both active.		vhhh2005b.zip	Thomas Kwong	Hong Kong	Chek Lap Kok	http://www.avsim.com/	25
ExeBuilder Tip	Scenery design	Further information for the separate ExeBuilder Tutorial - a fix for an occasional problem.		excbld_tutorial.zip tutorial_correction.zip	David "Opa" Marshall			http://www.avsim.com/	16

Exploring Waterways	Website	Japanese site providing unusual pilotable land and water craft for FS, e.g. hovercraft, jetfoils, campervan. T&T includes hints to add wakes and correct oversights in instructions.						http://f1.aaa.lived	5
Feel It!	Systems	Payware product to attach to computer chair, producing vibration related to game events.	Gitammer Buttkicker Gamer					http://www.hometheaterhifi.com/volume_12_4/butt_kicker-gamer-10-2005.html	23
Feel Like Starting Over?	FS performance	Location of original textures on the FS CD set if needed for backup.							9
Fill Her Up	Real world aviation	Actual fuel costs for airliner operation.							20
Final Issue	Editorial	Announcement that T&T will be discontinued.							24
Fireworks! Fireworks! Every Kid Likes Fireworks!	Scenery	Package to install fireworks displays at your choice of locations.		aworldofireworks.zip	Ron Jeffers			http://www.avsim.com/	9
First Time Flier	Humour	An understandable mistake by a new flier...							22
Flight Log	FS performance	Location, editing and general use of the FS flight log.							21

Flight Planning Tips	FS performance	Tips for inserting multiple waypoints in FS flight planner.							20
Flight Training!	Website	Link to site specialising in learning to fly in flight sim. Includes downloadable training Cessna.				Cessna	182	http://www.navfltsm.addr.com/index.htm	14
Flyers Eye Test	Unclassified	A small perception test!							18
For Kids (of all ages)	Aircraft	The Nimbus flying broomstick (from Harry Potter)		stn2004.zip	Shigeru Tanaka			http://www.flightsim.com/cgi/kds/main/menuchoo	3
For the Birds	Aircraft	Download of fully animated swans, either flyable or able to be used as AI.		Bird_SWAN.zip	Mitsuya Hamaguchi			http://www.bekkoame.ne.jp/i/m28hama/HammaField.htm	10
For Users of the LAGO FSE program only	Utility	Program to edit Lago FSE scenery objects.		fse_editor_2.zip	Steve Dunne			http://www.avsim.com/	8
Forum Tip!	Website	Hint to select notification of replies to your forum posts.							5
Frame Rate Blues?	FS performance	Modified autogen file to improve frame rates.		FPS_Patch_FS9.zip	Eddie Batista			http://www.surclaro.com	10
Frame Rate Blues?	FS performance	How to display frame rates on screen.							10
Frame Rates	FS performance	Setting target frame rates.							3

From One Extreme To Another	Aircraft	Firefly ultralight aircraft, in wheeled and float versions and a choice of paints.		kolb_firefly_1.zip and fix kfg.zip	Byron Warwick	Kolb	Firefly	http://www.avsim.com/	11
From the E-Mail Bag Department	Utility	Freeware program for capturing screen shots.	Snapshooter	ss211final_setup.zip	Johan Johanson			http://www.avsim.com/	15
From the E-Mail Bag Department	Utility	Freeware program for capturing screen shots.	FSScreen	fsscreen.zip	Matthias Holzer			http://www.avsim.com/	15
From the E-Mail Bag Department	Utility	Freeware full featured graphic program also able to capture screen shots.	Irfanview		Irfan Skiljan			http://www.irfanview.com	15
From the E-Mailbag Department	FS performance	How to have all FS aircraft load with engines off.							17
From the E-Mailbag Department	FS performance	Resizing and repositioning ATC window.							17
From the E-Mailbag Department	FS performance	Editing any saved flight in a text editor, including the default flight. Reverting to the default flight after saving another as default.							17
From the E-Mailbag Department	AI traffic	How to solve the problem of AI aircraft vanishing after landing, using AFCAD by Lee Swordy.	AFCAD		Lee Swordy				18

From the E-Mailbag Department	FS performance	Changing settings away from system time to allow saved flights to retain the correct time settings.							19
From the E-Mailbag Department	FS performance	Using AFCAD to define closed runways, and also circuit directions, to more accurately reflect real world useage.							19
From the E-Mail Bag Department	FS performance	A solution to FS failure to print flight plans.							20
From the E-Mail Bag Department	FS performance	Explanation of why some FS textures can not be viewed in the normal way due to specialised bitmap formats. Link to the DXTBMP viewer designed for viewing them.		dxtbmp.exe				www.fly.to/mwgf_x	20
From the E-Mail Bag Department	FS performance	Changing the file names of saved flights manually does not influence their appearance in the menu. How to change the menu entry for saved flights.							21
From the E-Mail Bag Department	Background	Explanation of ADF and NDB navigational equipment.							22
From the E-Mail Bag Department	Scenery design	Adding an NDB to an airport using AFCAD.							22

From the E-Mail Bag Department	FS performance	Testing confirms FS2004 will not rebuild a removed or deleted scenery.cfg file.							23
From the E-Mail Bag Department	FS performance	How to permit ATC to direct you to a different runway end. Requires setting wind direction and/or ensuring the airfield's AFCAD allows takeoff from the desired runway.							23
From the E-Mail Bag Department	Website	Searching by file name at FS download sites - some possible causes of failed searches.							23
From the Mailbag Department	Background	Explains what the "file_ID.diz" files found in many FS downloads are about.							14
From the Mailbag Department	Background	Explains what the "fsfsconv" folder, sometimes appearing in the Flight Simulator aircraft folder, was used for.							14
From the Mailbag Department	Real world aviation	Interpreting the VASI runway approach lights and link to site for more information. Ability to add approach lights using AFCAD.						http://www.bayareapilot.com/vasiPAPI.htm	13

From the Mailbag Department	FS performance	Explanation of files ending with a .dat extension							16
From the E-Mail Bag Department	FS performance	Suggestions to optimise available disk space.							24
From the E-Mail Bag Department	Utility	Utility to clean up and recover disk space.	dclean					http://find.pcworld.com/54310	24
From the E-Mail Bag Department	FS performance	Using Lee Swordy AFCAD program to redefine parking radius required by aircraft.							25
From the E-Mail Bag Department	AI traffic	Link to table of standard parking radii used by PAI and others in setting AFCAD parks for FS2004 traffic.			Jan Martin			http://de.geocities.com/jansweb sites/flightsim/ai-model-radiusing.html	25
From the E-Mail Bag Department	FS performance	Filenames at AVSIM and Flightsim.com for tips and tricks for Lee Swordy's AFCAD.		afcadtrt.zip afc_hard.zip	David "Opa" Marshall			http://www.avsim.com/	25
FS2004 and Laptops	FS performance	Request to readers for information on running FS9 on a laptop.							19
FS2004 Blues?	FS performance	How to do multiple installations of FS2004. Link to enable download of tutorial.		unint&t.zip	David "Opa" Marshall			http://www.avsim.com/	25

FSX DEMO WARNING!	FS performance	Warning against using the "Repair" function in the FSX demo version if error message appears.						http://www.microsoft.com/games/flightsimulator/downloads.html	23
Full Screen Look Alike	FS performance	How to use FS in windowed mode with menu bars hidden.							4
Fuzzy Runway Lights?	Scenery	Utility to provide sharper runway lights in flight sim.		rlights.zip	Holger Busekros			http://www.avsim.com/	14
Gear Up – Gear Down?	Panels and guages	A guage to remind FS pilots to check their undercarriage is lowered when set up for landing.		ckgear_1.zip	Glenn Copeland			http://www.flightsim.com/cgi/kds/main/menuchoo.htm	20
Gear Up – Gear Down?	Panels and guages	A guage to raise gear on takeoff.		3rdhand1.zip	Glenn Copeland			http://www.avsim.com/	20
Genealogy and Flying?	Scenery	Airport scenery for Prestwick EGPK, Glasgow, Scotland.		pik2004.zip pikpatch.zip	Iain Gallacher	Scotland	Glasgow	http://www.flightsim.com/cgi/kds/main/menuchoo.htm	15
Get In On The Ground Floor!	Website	A German/English site with numerous downloads to enhance FS.			Juergen Haible			http://www.elbiah.de/flusi/	4
Getting Lined Up	Website	Link to site with instructions for adding a windshield reference point to FS aircraft to assist lining up runway approaches.						http://www.desktopaviator.com/Articles/AlignmentBar/index.htm	24

Gifts for Our Readers	Attachment	Two attachments to the issue, one being an animated Christmas .gif contrived by Erwin Henkel of Holstebro, Denmark, and the second an enhancement for the Cessna 182, provided by Sid Star of Amsterdam, Netherlands, which allows browsing of the internet from FS.							17
Give Yourself a Present!	Aircraft	MAAM (Mid Atlantic Air Museum, Penn.) B-25 aircraft, "Briefing Time", for FS2002 or, with upgrades, for FS2004. Payware.			MAAM	North American	B-25 Mitchell	http://www.maa.org/	3
Give Yourself a Present!	Scenery	Scenery of Reading, Penn. Airfield and Midwest Air Museum.		krdg-fs9.zip	Bill Womack, Kenneth Weik, Charles Dayhuff	United States	Pennsylvania	http://www.avsim.com/	3
Go North Young Man	FS performance	Quick trick to orient aircraft to north in slew mode - hit the spacebar.							14
Gone, But Not Forgotten	Aircraft	Martin 404 airliner by Dee Waldron	Browse menu on site - various		Dee Waldron	Martin	404	http://www.calclases.com/	8
Gone, But Not Forgotten	Website	The California Classics website, specialising in historical airliners and scenery.						http://www.calclases.com/	8

Gone Fishing?	Real world aviation	Image of an Alaskan Airways livery.							20
Good things DO Come in LARGE Packages!	Scenery	Scenery of Thunder Bay, Ontario, Canada. NB - large but detailed download		thunderbay2.zip	Flight Ontario	Canada	Ontario	http://www.avsim.com/	5
Guage Removal Program	Utility	Program to sort and remove unused guage files from the FS Guages folder.	DR.GUAGE	drg32.zip	Alessandro Antonini			http://www.avsim.com/	10
Guages	Utility	Utility to remove (or backup) unused guages from the FS guages folder.		GuageClean4.zip	Scott Campbell			http://fsflightdeck.com/	2
Happy Birthday!	Background	Reminder that 2005 marks the 70th Anniversary of the Douglas DC-3. A commemorative FS9 splash screen is included with the T&T 15 download.							15
Have You Ever Seen an Elephant Fly?	Flyable animals	You can fly a flock of geese, a bald eagle or sail a killer whale. Includes some preset flights.	FS9 Animal Simulation 1	animalsim1.zip	Ron Jeffers			http://www.avsim.com/	13
Have You Ever Seen an Elephant Fly?	Flyable animals	A flyable Godzilla monster.	GodziLLa	godzilla.zip	Ron Jeffers			http://www.avsim.com/	13

Helicopter Heads Up	FS performance	Recommended Hardware (joystick) settings for flying helicopters in FS.	Realism and Control Sensitivity Settings for		Steve Hanley			http://hovercontrol.com/	19
Helicopter Pilot In Training?	Aircraft	Agusta helicopter recommended for easier landings using its wheeled gear.		Gmax_Agusta_109.zip		Agusta	109	http://www.hovercontrol.com/	7
Helicopter Pilot In Training?	Flying	Hints on learning to handle helicopters in FS, with the help of handy ground reference points as provided in the AEU scenery download.	Airport Environment Upgrade 7.0 (AEU7) and others	aeu7.zip	Chris Arrington			http://www.avsim.com/	7
Helicopters 101	Utility	Utility providing automatic hover and other useful modifications to FS helicopters.		206mod.zip	Robert Hawk			http://www.flightsim.com/cgi/kds/main/menuchoo.htm	5
Help Is On The Way!	FS performance	Accessing FS help files directly from desktop.							12
Historic Aircraft	Aircraft	Detailed model of the classic German trimotor transport.		junkers_52_v1.5.exe		Junkers	Ju-52	http://www.junker	15
Historic Aircraft	Aircraft	Detailed model of the German wartime biplane trainer.		buecker_131_v1.exe		Bucker	Jungmann	http://www.junker	15
Historic Aircraft	Website	Link to <i>The Ju-52 Factory</i> website, giving history and details of the wartime trimotor transport used by the Luftwaffe.	The Ju-52 Factory			Junkers	Ju-52	http://www.ju52-3m.ch/about.htm	15

Historic Aircraft	Website	Link to short history of the Ju-52 from the Spanish Civil War to WW2.				Junkers	Ju-52	http://www.constable.ca/ju52.htm	15
Historic Aircraft	Website	Link to museum website with images and history of the classic German biplane trainer, the Bucker Jungmann.				Bucker	Jungmann	http://www.fantasyofflight.com/aircraftpages/jungmann.htm	15
Ho hum ...	Website	Link to FS-shipyards website, offering pilotable ships.						http://fs-shipyards.com	3
Holger Has Done It Again	Scenery	Two part detailed freeware scenery of the picturesque Glacier Bay area of Canada and US - Alaska.			Holger Sandmann	Canada United States	Alaska Glacier Bay	http://library.avsim.com	25
Holiday Fun	Aircraft	Harry Potter's steam-powered, bat-winged flying machine.		uabat.zip uabflap.zip	Kevin Bryan / Unreal Aviation			http://www.flightsim.com/cgi/kds/main/menuchoo.htm	16
Holiday Fun	Aircraft	US Navy radar blimp with civilian paints.		uaas4.zip	Kevin Bryan / Unreal Aviation	US Navy	Blimp	http://www.flightsim.com/cgi/kds/main/menuchoo.htm	16
Holiday Fun – For Kids of All Ages	Aircraft	Entertaining flyable rendition of an alien flying saucer.		ufoaj.zip and ufofxaj.zip	Andy Johnston	UFO	Saucer	http://www.flightsim.com/cgi/kds/main/menuchoo.htm	24
Holiday Ideas	Aircraft	Flyable Santa's sleigh.		sleig2aj.zip	Andy Johnston	Santa	Sleigh	http://www.flightsim.com/cgi/kds/main/menuchoo.htm	17

Holiday Ideas	Scenery	Santa's new headquarters in Canada, including out-of-season closure of premises.		santavaj.zip	Andy Johnston	Canada	Santa's Workshop, Churchill Manitoba	http://www.flightsim.com/cgi/kds/main/menuchoo.htm	17
Holiday Ideas	Aircraft	Santa Express paint of the Eric Cantu / FFX Boeing 737-300.		ffx_b737_300_santa_express.zip	Leigh Green / FFX / Eric Cantu	Boeing	737-300	http://www.avsim.com/	17
Home, Sweet Home	Scenery	Detailed scenery with effects of the Cany-Barville Castle, France.		barville.zip	Frédéric Picci	France	Durdent Valley	http://www.avsim.com/	15
Home, Sweet Home	Scenery	AFCAD for Cany-Barville castle, France.		Castle_Afcad.zip	David "Opa" Marshall	France	Durdent Valley	http://www.avsim.com/	15
Hooked on Simming	Attachment	Files to add aircraft themed cursor	Included in T&T 4 package						4
How Safe is Safe?	Background	Short explanation about virus security on FS downloads, the checks in place at established sites and occasional false alerts raised by anti-virus software.							10
How to Lose Weight	Background	Potential new paint schemes for Air Canada, including a plan to minimise paint to reduce aircraft weights and consequent fuel costs.							19
Humour Department	Humour	Joke. I won't spoil the punchline.							6

Humor Department	Humour	Interesting report of an "air accident" written in authentic style, but of questionable authenticity!						http://www.theonline.com/content/node/50901	23
Hurricane Hunter	Aircraft	WP-3D Hurricane Hunter version of of the Lockheed Orion.		wp3dvol6.zip	Daisuke Yamamoto, Hiroaki Kubota	Lockheed	WP-3D	http://www.avsim.com/	15
I am Seeking Investors!	Humour	Introducing the ANS navigation system.							15
I Can Fly Anywhere!	Utility	File which creates a huge "pipe" to fly through as a training course. (Update re downloading is in T&T issue 7)	Training Course	courseaj.zip	Andy Johnson			http://www.flightsim.com/cgi/kds/main/menuchoo.htm	6
I Didn't Know You Could Do That Department	Aircraft	Classic pre-war British biplane flying boat.	Short S.17 Kent 'Scipio' Class Flying Boat	s17_v1.zip	Jens B. Kristensen	Shorts	S.17 Kent	http://www.avsim.com/	13
I Didn't Know You Could Do That Department	FS performance	Using map view to generally reposition aircraft in flight sim, or to place flying boats or water craft onto water.							13
I Know the "Engines Are Not Running"!	FS performance	How to turn off unwanted flying tips.							7
I Won't Be Offended	Editorial	Donations to the compiler of T&T welcomed - towards a computer upgrade for FSX!							24

Identifying AI Traffic	AI traffic	Changing the FS settings which display identifying text tags on AI traffic which is in sight of your aircraft.							10
Important Scenery Information Update!	FS performance	Capacities of FS2002 and FS2004 for additional sceneries. Location and role of language.dll file							7
Important Update for FSNavigator Users!	Utility	Link to FSNavigator site to download latest version of the program.	FSNavigator	fsnav470.zip				http://fsnavigator.com/index.htm	13
In a Hurry?	FS performance	How to begin a saved flight directly, without first starting up Flight Simulator.							18
In Case You Are Wondering Department	Author	Author's non-association with any FS site, program or author.							5
In Case You Missed It	Scenery	Tutorial on adding an animated windsock which responds to wind speed and direction.		windsock_tutorial.zip	David "Opa" Marshall			http://www.avsim.com/	14
In Case You Missed It Department	FS performance	A short tutorial download explaining how to create a simple menu of your favorite flights that will allow you to go directly to that flight, and bypass all of the normal startup screens.		favorite_flights_menu.zip	David "Opa" Marshall			http://www.avsim.com/	10

In Case You Missed It Department	Scenery	Updates to Holger Sandmann's <i>Columbia River Gorge</i> scenery.		crg_upd1.zip	Holger Sandmann and Larry Silsbee	United States	Washington	http://www.avsim.com/	11
In Case You Missed It Department	Scenery design	FAQ document for the Runway 12 (RWY12) Object Placer.		rwyl2_object_placer_fa. zip	David Marshall, Gary Mills, Charles			http://www.avsim.com/	9
In Case You Missed It Department	Aircraft tweaks	Package to add altitude callouts to aircraft, and an update reducing the volume to a more appropriate level.		altitude_callout. zip and reduced_fpda_callouts. zip	David Marshall			http://www.avsim.com/	18
In Search of Realism Department	AI traffic	Set of AI paddle wheel vessels for the Mississippi River. Available at		ai_river_queen. zip	M. Allen Richards			http://www.avsim.com/	8
In Search of Realism Department	Scenery	Detailed scenery for Bacolod Airport in the Philippines. Has dynamic components.		gmax_bacolod_v2005. zip	Ver Walter Gulfan	Philippines	Bacolod	http://www.avsim.com/	8
In Search of Realism Department	Utility	A program to play ATC radio chatter, customisable to change with locality, range etc. Update file also needed.	FSChatter	fsc265. zip fsc265u. zip	Dave Westbury			http://www.avsim.com/	8
In Search of Realism Department	Website	Link to site for AI Flight Creator and other FS utilities.	Dave Westbury's FlightSim		Dave Westbury			http://ca.geocities.com/digiwest2002@rogers.co	8
Interior Decoration	Panels and gauges	Tutorial on changing nighttime lighting on panels, including some panel icons.		cockpit_lighting. zip (Ckpl_Tut. zip at	David "Opa" Marshall			http://www.avsim.com/	17

Is Your Monitor Stuttering?	Utility	Download allowing PCI latency to be set to prevent stuttering in high-end setups.					http://downloads.guru3d.com/download.php?det=951	11
It Ain't Necessarily So!	Scenery	Ability to use sceneries designed with Runway 12 (RWY12) enhancer without having RWY12 installed. Listing of RWY12 additional libraries.		Rwy12_V1.1.zip			http://www.avsim.com/	12
It's FREE ... Or Is It?	Editorial	Reminder that someone has to pay for the "free" FS websites, and how some depend on hits or sales at sponsor sites.						6
It's Only Money!	Real world aviation	Introduction to the real-world fly-in community of Jumbolair, near Ocala, Fl. and to John Travolta's Greystone residence and aircraft fleet, including a Boeing 707 in Qantas livery.					http://www.jumbolair.com/jumbolair.htm	18
It's Only Money!	Scenery	FS2004 scenery depicting Jumbolair, near Ocala, Fl., including John Travolta's residence .		dbwsimgreystone05.zip	Derek Web, Brendan Webb		http://www.avsim.com/	18
Jetways	Scenery	Package to add jetways to those airfields lacking them in the default version.		FS9JETS.ZIP	Patrick Finch		http://www.avsim.com/	4

Just Breathtaking	Attachment	Impressive photo of sunset at the North Pole with the moon at its closest point. Included as attachment to T&T 20.							20
Just For Fun	Humour	Link to an amusing stress reliever. You need sound for it...							23
Just For Fun	Real world aviation	Link to short video clip illustrating the air traffic trying to get on the ground to avoid a cold front approaching the FEDEX hub at Memphis, Tennessee.						http://video.google.com/videoplay?docid=-6886880938991195179	24
Just For Kids?	Aircraft	A fun helicopter for FS2004 designed as if built from Lego shaped blocks.	Lego Police Helicopter	legopc.zip	Mark Walsh	Lego	Police Helicopter	http://www.flightsim.com/cgi/kds/main/menuchoo.htm	22
Just Passing By	Utility	Add-on to enable a fly by view of user or AI aircraft in tower mode.	Fly By Module	flyby20.zip	Valery Stenin			http://www.avsim.com/	16
Just What does ICAO Stand For?	Real world aviation	Explanation of the common term for the Canadian based organisation which sets various international transport standards.							9

Keeping in Shape	Systems	Link to forum thread about enhancing Windows XP performance, which in turn may improve FS performance.					http://forums.avsim.net/dcboard.php?az=show_mesg&forum=197&topic_id=2504&mesg_id=2504&	11
Keyboards for sale!	Humour	A keyboard innovation to answer a widely-felt need...						13
Kiosk Mode	Systems	How to set Flight sim to run for a preset time without running the risk of having someone changing settings. This is similar to commercial kiosk setups in shops and offices.		kiosk.exe and kiosk.rtf			Included in main FS9 folder.	17
Kneeboard Enhancement	Utility	Simple enhancement to the regular FS pilot kneeboard to enable display of a variety of data for all aircraft. HTML based.	Omni Notes	omni_notes.zip at Avsim.com; omninote.zip at Flightsim.com	Loyd Livaudais and David Marshall		http://www.avsim.com/	19
Knowledge Test	Background	A short question - useful for after-dinner quizzes.						7
LAGO	Scenery	Link to Lago site for Lago FSE (or FSSE and FSSC in FS2002)		See options on site	Lago		http://www.lagosi.com/default.asp?lang=eng	1
Laptop Feedback	FS performance	In response to a question in T&T19, some information on running FS2004 on a laptop.						20

Less is Better!	Aircraft	Combining textures from aircraft using same base model into one folder (I.e. adding textures to base folder instead of separate installations).							4
Let it Snow	Scenery	A fictional vintage airstrip in Alaska with custom sounds and an effects pack to enable blowing snow during the Fall and Winter seasons as well as blowing dust at the start of Spring. Lago FSE optional but not compulsory.	Schwenz Vintage 1938	schwenz_1938_vintage_airstrip.zip and schwenz_vintage_airstrip_enhancement_fix.zip	Mike Woolsey	United States	Alaska	http://www.avsim.com/	17
Let It Snow!	FS performance	Introduction to manually setting weather in FS, using snow as an example.							21
Let's Go "Barnstorming"	Scenery	Scenery of a rural barn with both ends open, for adventurous pilots to fly through.		buzzbarn.zip	Danny Levin			http://hovercontrol.com/	8
Let's Go Hunting!	Scenery	Elk camp scenery on Mt. Hood, Ore. Two versions, one default, one for Holger Sandmann's "Columbia River Gorge" scenery.		Elk_Camp_2005.zip or Elk_Camp_2005_cg_fix.zip	M. Allen Richards	United States	Oregon	http://hovercontrol.com/	6
Let's Go Sightseeing!	Scenery	Scenery of Columbia River Gorge, including navigable river.		cr_gorge.zip	Holger Sandmann	United States	Oregon Washington	http://www.avsim.com/	5

Let's Go Sightseeing!	Scenery	Scenery of Sydney Harbour, Australia.		syd2004.zip	Clive Marriott	Australia	New South Wales	http://www.avsim.com/	5
Let's Go Sightseeing!	Scenery	Statue of Liberty, NY, scenery.		statueofliberty.zip	Daniel Buechter	United States	New York	http://www.avsim.com/	5
Lets Hear It for the Lady!	Aircraft	Display scheme for the Stearman reviewed in T&T 9, and some real-world background.		stear_pk.zip at AVSIM	Manfred D.Saliger	Boeing	Stearman	http://www.wing-walkers.com	15
Lighting Upgrade	Scenery	Night light environment upgrade packages.		une.zip (Flightsim.com) neu.zip (AVSIM)	Maurice Roenick			http://www.avsim.com/	14
Lights - Camera - Action!	Aircraft tweak	Enhancement to the panels of the default FS2004 Lear 45 and Boeing 737. The author adds his own version of the amendments to his configuration.		fs9ewl.zip	Ulrich Klein			http://www.flightsim.com/cgi/kds/main/menuchoo.htm	10
Links to My Uploads	Website	Link to files uploaded by David Marshall at AVSIM			David "Opa" Marshall			http://library.avsim.net/eseach.php?CatID=fs200	25
Little Known Scenery	Scenery	Demonstration download of Eaglesoft FBO sceneries for VIP terminals at some US airports.	Eaglesoft FBO Scenery by Michael Carr		Michael Carr	United States		http://www.eaglesoftdg1.com/downloads.htm	3
Little Known Scenery	Scenery design	Eaglesoft Hanger Kit to place hangars with opening doors at airfields. Available at Eaglesoft or AVSIM sites.	Eaglesoft Hanger Kit					http://www.avsim.com/	3

Lobster Anyone?	Scenery	Update of an entertaining FS2002 scenery, intended primarily for use in Golden Wings 3, of a beach gathering, encouraging a drive by accompanying scenery items to the site via the road from Bar Harbor airfield.	Maine Lobster Fest	msh_ff1.zip and msh_ff1ud1.zip	Leon Louis	United States	Maine	http://www.avsim.com/	17
Lobster Anyone?	Scenery	Scenery of a small coastal airport convenient to the author's Maine Lobster Fest scenery.	Bar Harbor Airport	msh_ff3.zip	Leon Louis	United States	Maine	http://www.avsim.com/	17
Lobster Anyone?	Scenery	A scenery of a prohibition-era still hidden in the mountains, suitable for the Golden Wings 3 FS9 enhancement.	McTavish's Still	msh_ff2.zip	Leon Louis	United States	Maine	http://www.avsim.com/	17
Lobster Anyone?	Surface vehicle	Driveable classic 1951 Volkswagen Beetle.		vwrprf.zip	Rainer Girbig	Volkswagen	Beetle	http://www.flightsim.com/cgi/kds/main/menuchoo.htm	17
Locking Frame Rates - revisited	FS performance	Clarifys the reason for setting a specific and relatively low limit on frame rates in FS.							20
Longevity	Real world aviation	Retirement of Southwest Airlines' last Boeing 727.							4
Long Live FS2004!	Editorial	Author's perceptions and continued use of FS2004 over FSX.							

Look Ma, No Brakes!	FS performance	How to remove the red "brakes" message from the FS screen by editing the FS9.cfg file.							4
Look to the Stars	Scenery	Notes on the changes to the "Big Dipper" star constellation, and making the connecting lines in the constellation visible by editing the FS9 stars.dat file.							13
Looking For Something New To Do?	FS performance	Wide range of FS2004 tutorials which can be found by simple search of major FS download sites.							24
Lost Your Voice?	FS performance	How to locate and restore original ATC voice files, if lost, from the FS2004 CDs.							11
Make A Little History Yourself	Utility	Flying the historical adventures provided with FS9, and a tutorial on using an onboard map in conjunction with the flights.		VFR_Map_Tutorial.zip at AVSIM: VFRMpTut.zip at Flightsim.com	Richard J. Parrish			http://www.avsim.com/	15
Make an Executive Decision!	FS performance	How to set up multiple start-up configurations for FS9.							15

Making Niagara Falls Come Alive!	Scenery	Files to add sounds to landmarks such as Niagara Falls, Mount St. Helen's and Victoria Falls using the payware Lago enhancer (FSE).		wldsnds1.zip	Lou Frost	United States and other		http://www.avsim.com/	12
Making Room	Utility	Allows you to separate the traffic inbound to an airport defining a set of parameters like minimum separation, desired separation, and reduced separation zone.	AI Separation	fsaisv1.1.zip	Armando Di Francesco			http://www.avsim.com/	17
Making Your Own PDF Files	Utility	Freeware utility, Primo PDF, which will convert common printable media to PDF format. Less fully featured than Adobe but perfectly functional for small tasks.	Primo PDF					http://www.primo-pdf.com	24
Men and Their Toys	Background	Radio controlled flying model of the C-17 Globemaster III, one of the largest jet models in the world today, built in the UK. Has many functioning features.							24
Meet the Compiler	Author	Short autobiographical sketch of David Marshall, author of the <i>Tips & Tricks</i> series.							11

Memory Leak?	FS performance	Explanation of the term "memory leak", its causes in FS and how to minimise the effect, particularly by removing unneeded texture folders for landclass.							16
Memory Leak Revisited	FS performance	Link to forum explanation of memory leaks in FS, by Holger Sandmann.			Holger Sandmann			http://forums.avsim.net/dcboard.php?az=show_topic&forum=121&t	21
Military Secret!	Humour	Photograph of developments in stealth aircraft.							20
Missing a DLL?	Website	A website providing downloads of a great variety of DLL (Dynamic Link Library) files.						http://www.dll-files.com/	17
Missing jetways?	FS performance	Default airport jetways depend on scenery density setting.							2
Mission Impossible?	Scenery	Series of highly detailed scenery downloads for California mission buildings.		slreym1.zip and others	Ron Ezra	United States	California	http://www.avsim.com/	4
More Creative Scenery	Scenery	Scenery of Victoria, BC harbour with AI helicopter and shipping.		vicenh04_files.zip	John Patch	Canada	British Columbia	http://www.avsim.com/	8
More Exceptional Aircraft	Aircraft	De Havilland Dove light propellor transport with three liveries, includes panel by Saverrio Maurri.		dh104v1.zip	Derek Palmer, Saverrio Maurri	De Havilland	DH104 Dove	http://www.flightsim.com/cgi/kds/main/menuchoo.htm	18

More Exceptional Aircraft	Aircraft	Light aerobatic biplane, the Christen Eagle II, with sounds by Aaron Swindle. Virtual cockpit only. T&T advice on adding smoke effects.		liceagii.zip	Long Island Classics Design Team	Christen	Eagle II	http://www.avsim.com/	18
More Great Web Sites	Website	This site has a great collection of Videos relating to Aviation.						http://alexisparkinn.com/aviation/videos.htm#Videos	20
More Great Web Sites	Website	Flight Sim 2004 (and 2002) scenery website - arranged by country. An excellent resource.						http://walhalla.mine.nu/fs2004/whatsnew.php	20
More Great Web Sites	Website	Airport Information site. This site has everything you might ever need to know including NavAids.						http://www.airnav.com/	20
More Great Web Sites	Website	Highlights of the 2005 Russian Air Show. Spectacular pictures and descriptions of the latest and greatest aircraft from Russia.						http://www.richard-seaman.com/Aircraft/AirShows/Maks2005/Highlights/	20
More Great Web Sites	Website	The MSFS Gateway - links to over 500 web sites offering a wide range of aircraft, scenery and other add-ons and downloads for Microsoft Flight Simulator FS2004 (MSFS).						http://www.msfsgateway.com/	20

More Great Web Sites	Website	A free and powerful flight tracker to access flight status, tracking, and analysis. Enter a flight (tail number, identifier, or airline name and number) for live tracking, or airport code to view activity there.						http://flightaware.com/	20
Mountain Wars	Scenery	Availability of two different sceneries for Mount St. Helens, Wash., and how to merge the two if desired.	Mt. St. Helens Flight Experience	mtsthelensscenery_156466.zip (previous version; mshscenery.zip	Steven Rosenow	United States	Washington		8
Mountain Wars	Scenery	Availability of two different sceneries for Mount St. Helens, Wash., and how to merge the two if desired.	Columbia River Gorge	cr_gorge.zip	Holger Sandmann	United States	Oregon Washington	http://www.avsim.com/	8
Move Scenery & Aircraft Easily	Aircraft Scenery	Techniques for installing aircraft and scenery additions.							4
Multiplayer 101	FS performance	How to set up a multi-player flight sim session between two players.							21
Multiple Installations of FS2004	FS performance	Quick guide to installing more than one instance of FS2004, and some issues which may follow.							25
Music to My Ears	Utility	Freeware utility to edit properties of sound files.	Audacity Sound Editor		Sourceforge			http://audacity.sourceforge.net/	25

Must have file	Utility	Reference to scenery design site, which includes downloads such as the "No CD" patches.						http://www.scene	2
Must have textures	Scenery	Reference to source for essential common scenery textures	Refer to site	Refer to site	Various			http://www.flightsim.com/cgi/kds/main/menuchoo_	1
Must haves	Utility	FSNavigator for using flight plans	FSNavigator	Select on site	FSNavigator			http://fsnavigator.com/index.htm	1
Must haves	Utility	Fix for some scenery errors in default FS2004	Default Scenery Fixes for Two Massive Holes and Four Other Errors	six_default_fixes.zip	Joshua Robertson			http://www.avsim.com/	1
My favourite add-on sceneries	Scenery	Author's choice of FS2004 sceneries							1
Mystery Solved!	Aircraft	How to respond to the "Aircraft you are attempting to load is not fully compatible..." error message, to enable some FS2002 or other aircraft to function in FS2004.							7
Mystery Solved!	Website	Website dedicated to Mirage military jets for FS.			Frank Safranek	Dassault	Mirage	http://www.mirage4fs.com	7
Nag - nag -nag!	FS performance	Strong advice - always backup files before changing or overwriting.							3

Navigation aide	Utility	Additional guage to locate and set details for ILS approaches		rwyingfog.zip	Ernie Alston			http://www.flightsim.com/cgi/kds/main/menuchoo...	1
Need More Juice?	FS performance	Ways to retain battery power in aircraft, for example when AI "spotting" with radio on and engine off.							24
Need Something to Occupy Your Time on Long Flights?	Real world aviation	Website for Hartsfield (Atlanta) Air Traffic Control, enabling visitors to hear and see (slightly delayed) ATC online. Needs latest version of Windows Media Player (download via the						http://www.atcmo...	7
Never Too Old to Learn Department	FS performance	Use of ALT key to toggle menu bar.							4
Never Too Old to Learn Department	Website	Website providing maps and aerial views of US locations, helpful in scenery design.						http://terraser-	5
New Source for Scenery	Website	Link to Heather Sherman FS download site.			Heather Sherman			http://fly-heather.avsim.net/index.html	6
New Years Resolution?	Systems	Use of some old 3D glasses for television may add 3D effect to Flight Sim.							18
Nighttime Feedback	Systems	Safety issues with leaving monitors on overnight.							17

No CD Needed	Utility	Reminder of availability of patch removing need to insert FS CD 4 to run FS. Two versions, for FS9 and FS9.1. Refer T&T issue 2.							21
Now That's Refreshing!	FS performance	Ability to refresh scenery while running FS using an assigned key.							13
Now Who Put That There?	Scenery tweak	File to remove orphan coastlines from the Great Lakes.		grt_lks_sndbr_fix.zip	Garvin Barnicoat			http://www.avsim.com/	15
Now You See It, Now You Don't!	Utility	Utility to create screen-savers from saved FS movie.		SSaver.zip				http://www.avsim.com/	5
Numbers	Attachment	Number pronunciation guide, as used in radio communication. Separate attachment in T&T 8 package.							8
Number Please	Aircraft	Robin 3000 aircraft with innovative panel guage to facilitate ATC messages in FS9.		robin3k3.zip	Nick Pike, Matthias Lieberecht	Avions Robin	Robin 3000	http://www.avsim.com/	16
Of Historical Interest	Aircraft	Howard Hughes' giant 1947 flying boat, with virtual cockpit and a flight setup for Long Beach, Ca.		sprgoo04.zip	Dennis Simanaitis	Hughes	H-4, HK-1, Spruce Goose	http://www.flightsim.com/cgi/kds/main/menuchoo.htm	20

Of Historical Interest	Aircraft	Unique light observation aircraft with shrouded turbine, twin tail booms and helicopter-like bubble cockpit. NB: Fix file also needed.		optica.zip and opticafix.zip	Jeffrey Nissen	Edgley	EA7 Optica	http://www.avsim.com/	21
Of Historical Interest	Panels and guages	Reminder about a power seat guage which can be added to panels to make seat (and view) adjustment easier. Ref. T&T 19.			Glenn Copeland				21
Of Historical Interest	Aircraft	Mike Stone's FS9 model of the Handley Page 42 airliner, as used by Imperial Airways prior to World War 2. Some history and a link to a site about the aircraft.		shp42.zip	Mike Stone	Handley Page	HP42	http://www.pmst.one.com/AircraftCommercial.htm	22
Of Historical Interest	Aircraft	The 1925 French Farman Jabiru 7-seat airliner, modelled with virtual cockpit and detailed interior. Also a link to a website about the aircraft.		jab_v20.zip at both AVSIM and Flightsim.com	Jens B. Kristensen	Farman	F-121 Jabiru	http://www.avsim.com/	22
Of Historical Interest	Scenery	Scenery of Kai Tak airport (VHHX) as it was until 1998, after which it was replaced by VHHH. A demonstration local traffic file, with instructions, is included with this issue of T&T.		kaitak98.zip at AVSIM and Flightsim.com	Jim Vile, Tom Gibson, Holger Sandmann and others	Hong Kong	Kai Tak	http://www.avsim.com/	23

Of Historical Interest	Website	California Classics site which provides downloads of airliners, AI flightplans and sceneries from the slightly pre-jetliner period.	California Classics		Tom Gibson			http://www.calclasic.com/	23
Off the Beaten Path	Utility	A utility that avoids the need to reinstall FS2004 and allows you to restore the path in the registry quickly and easily, if you have manually copied FS to another drive or reinstalled Windows.	TweakFS Path Utility for FS2004					http://tweakfs.com/download/fs9path_utility.zip	21
Off the Beaten Path	Website	Website providing a number of free or payware utilities for FS.						http://tweakfs.com	21
Ok, I Give Up - What Is It?	Scenery design	Announcement of (now released) tutorial on inserting invisible runways into FS (for reasons such as navigation).	Creation of an "Invisible Runway" - a Step by Step Illustrated Tutorial	invisible_runway.zip	David "Opa" Marshall			http://www.avsim.com/	7
One Final Idea Regarding "Stuttering"	FS performance	Changing BIOS at boot may stop stuttering in FS on high-end machines.							12
One More AI Idea	AI traffic	Utility to make AI aircraft perform holding manouvers rather than "go around" on crowded approaches.		aismooth_v100.zip	Michael Sagner			http://www.avsim.com/	11

One Size Does Not Fit All	Utility	Microsoft utility to quickly resize images.			Microsoft			http://download.microsoft.com/download/whistler/Install/2/WXP/EN-US/ImageResizer.exe	25
One Way Street	Editorial	Advice to readers about problems in replying to emails due to wrong addresses, local settings etc.							22
Online Flying Q and A	Website	TradeWind Caribbean Virtual Airlines (TCA) website, which includes a good manual answering most questions about online flying.						http://www.tradewind.org/	22
Only God Can Make a Tree	Scenery design	Program to insert trees into scenery.	Tree Planter	treeplanter_v3.zip	George Davison			http://www.avsim.com/	3
On or Off?	Humour	A short online demonstration of what might happen if your PC is left on overnight.						http://www.justracin.net/is.swf	16
On the Lighter Side	Humour	Some humorous contributions from T&T readers.							18
Optical Illusion	Humour	Photograph of 747 and 757 in apparent very close proximity.							25

Organise your AFCADs	Scenery	How to store AFCAD files to enable better management of updates and changes.							7
Other Recent Scenery Releases	Scenery	Detailed scenery of the Bermuda Islands, airport, VFR objects and surface traffic.	FreeFlow Bermuda	ffbm1.3.zip	Scott Gridley	Bermuda		http://www.avsim.com/	15
Other Recent Scenery Releases	Scenery	Victoria, BC Harbour scenery.		vicenh05.zip	Jon Patch, Holger Sandmann	Canada	British Columbia	http://www.avsim.com/	15
Other Tutorials of Interest	Aircraft tweaks	Tutorials on tweaking the kneeboard display, and adding Nav and ADF radios as popup windows.		kneeboard_display_tutorial.zip adding_tuners.zip	David "Opa" Marshall			http://www.avsim.com/	16
Panel tip	Aircraft tweaks	Process to arrange position of pop-up cockpit panels by editing panel.cfg							1
Pardon My Smoke	FS performance	A way of increasing the touchdown smoke puffs for some aircraft by editing the aircraft.cfg.							4
Pass the Potatoes, Please	Scenery	Scenery of the Boise Airport, serving the capital city of Ohio.		boi2005.zip	Gary Widup	United States	Idaho	http://www.avsim.com/	19

Pass the Potatoes, Please	Scenery	Website of scenery designer Gary Widup, with downloads of sceneries for various recent versions of FS available.				United States		http://www.avsim.com/hangar/utilities/gwidup/	19
Pass the Potatoes, Please	Website	Background information about the real-world Boise, Idaho airport.						http://www.cityofboise.org/transportation/airport/	19
Patience Pays Off	Scenery	Detailed remake of Furnace Creek in Death Valley, CA		furnckv6.zip	Ron Ezra	United States	California	http://www.avsim.com/	24
Peace in the Family	Humour	How to create your own WAV file for Windows startup (or other use) to either mollify or drive off Important Others when you want to use FS.							21
Perseverance	Panels and guages	Utility to edit the glow properties of aircraft panel guages. Also link to support site at http://benchmark.jconserv.net/index.php	Guage Glow	gaugeglow-v2.0.zip	Patrick Waugh			http://www.avsim.com/	23
Perseverance	Aircraft tweaks	Tutorial on editing properties of aircraft panel guages.		cockpit_lighting.zip	David "Opa" Marshall			http://www.avsim.com/	23

Personal "Wish List"	Editorial	Author's comment on the lack of an aircraft towing an advertising banner in FS.							7
Peek-A-Boo	Humour	Image of African scenery?							21
Pet Peeves	Editorial	A request to designers to include contact details with uploads.							4
Phonetic Alphabet	Attachment	Graphic list of phonetic alphabet, as used in radio communication. Separate attachment in T&T 8 package.							8
Planning a Trip?	Utility	A simple fuel calculation utility with data on the default FS aircraft and the ability to add others, requiring input of flight distance plus a factor for "excess distance".		fcv1bd05.zip	Bracken Dawson			http://www.avsim.com/	18
Planning a Trip?	Utility	Fuel calculation utility specifically for the Boeing 737, which also loads the calculated fuel amount.		b737fpl14_instal.zip	Milan Puta			http://www.avsim.com/	18
Power Users Tip	FS performance	Link to forum item on how to edit FS9.cfg, especially terrain vertex level.						http://forums.avsim.net/dcboard.php?az=show_m	4
Practice, Practice, Practice	Aircraft	Preset flights package to practice landings in a Boeing 737, 747 or 777.		presetlandings.zip	Stavros Kokkinos			http://www.avsim.com/	16

Practice, Practice, Practice	FS performance	How to preview a saved flight by opening and viewing the "flight" file.							16
Practice, Practice, Practice	Scenery	Adding an ILS to an airport which has no pre-existing ILS.							16
Problem Solving Tip	FS performance	Tip to locate recently installed addons, e.g. in the course of trouble-shooting.							25
Problems stopping large jets after landing	Utility	Utility to enable editing .air files, including thrust reversal.		aired.zip				http://www.avsim.com/	1
Prolific Is Putting It Mildly	Background	Profile of FS2004 scenery and aircraft designer John B. Loney Jr. and link to his website.			John B. Loney Jr.			http://www.lfssd.net/	24
Prolific Is Putting It Mildly	Scenery	Scenery package of three fields around Spokane, WA; Spokane International Airport (KGEG), Fairchild Air Force Base (KSKA) and Felts Field, (KSFF)		spokane4.zip	John B. Loney Jr.	United States	Washington	http://www.avsim.com/	24
Push Back In Style!	Aircraft	Project Opensky (POSKY) Boeing 737-700, with particular note of the animated pushback tractor and accompanying operator walking alongside the aircraft.			Project Opensky	Boeing	737-700	http://www.projectopensky.com/downloads-index.php	22

Pushback - Taxi Speed Gauge	Aircraft tweaks	Guage with taxi and pushback as well as other functions.		rcbgh-32.zip	Rob Barendregt			http://www.avsim.com/	3
Putting On The Brakes	Aircraft tweaks	Editing aircraft.cfg to increase brake effectiveness.							12
Quit Pushing!	Aircraft	Use of Shift+P to simulate aircraft pushback, how to stop or steer pushback.							21
Radio Controlled Aircraft	FS performance	Tutorial on flying FS aircraft as if they were radio controlled models, from tower view.		rcsimul.zip	Slim Tanner			http://www.flightsim.com/cgi/kds/main/menuchoo.htm	24
Raising the Bar – Again!	Aircraft	Cirrus light GA aircraft, which includes the airframe parachute system present on the real aircraft.		cirrus2six.zip	Wolfram Beckert, Guenter Kraemer, Thomas	Cirrus	Cirrus	http://www.avsim.com/	14
Raising the Bar – Again!	Aircraft	One of the classic aircraft packages released by Bill and Lynn Lyons, includes several versions of the Travel Air biplane as well as scenery features including animated steam trains.		cc10taf.zip	Bill and Lynn Lyons	Travel Air		http://www.avsim.com/	14
Randolph Air Force Base	Scenery	Detailed scenery of the historic Randolph Air Force Base (KRND) near San Antonio, Texas. Includes military AI traffic.		rafb2006.zip	James Shaddox	United States	Texas	http://www.avsim.com/	23

Realism 101	Real world aviation	Cigarette lighters cannot be carried on airliners...							9
Reading Material	Editorial	Recommendation for Flightsim.com's op-ed pages for ideas and viewpoints on a wide range of FS-related topics.						http://www.flightsim.com/cgi/kds/main/menuchoo.htm	20
Reality check	Humour	A short series of questions for those who remember when modern phrases meant something quite different.							10
Recommended But Not Tested	AI traffic	Traffic Changer tool is ideal for managing fleets of AI aircraft or for users wanting to easily change AI traffic at a single airport.	Traffic Changer	tc622a.zip	Jeff Bobicki			http://www.avsim.com/	24
Recommended But Not Tested	Utility	A program which allows you to manage virtually all audio aspects of the FS2004 environment.	Enviro! 3.2		Busi Cat Designs			http://www.avsim.com/hangar/utilities/enviro/	24
Rock and Roll	Scenery	A scenery of Ayers Rock, or Uluru, in the Northern Territory of Australia.		ayers_rock.zip	Mat Dalton	Australia	Northern Territory	http://www.aussim.com.au/	21
Rock and Roll	Background	Several links to websites about the geology, aboriginal history and heritage status of Ayers Rock / Uluru, Australia.				Australia	Northern Territory	http://www.aussim.com.au/	21
Rush Hour	Scenery	Alternate night textures for FS roads.	Night Roads	night_roads_v1.0	Joni Koljonen			http://www.avsim.com/	19

Safety Resources	Real world aviation	Link to Aircraft Owners and Pilots Association (AOPA) website page relating to safety issues.			AOPA			http://www.aopa.org/asf/safety_to_pics.html	25
Sailplane lover?	Aircraft	Link to site for FS sailplanes						http://www.fsglider.de/frset_e.htm	2
Save the Trees and Money!	Utility	Shareware printing utility to allow options of printing two reduced pages on a single sheet, double sided printing, printing without graphics etc.	FinePrint	fp545.exe				http://www.fineprint.com/	16
SCAM ALERT !!	Security	Warning of a variation on the common fraudulent email scams which ask the recipient to update their credit card data.							17
Scenery	Scenery	Maximum capacity for number of sceneries in FS2002 and FS2004.							1
Scenery Design Tool	Utility	Guage which can be used with the "Crosshairs" utility (listed here) to read magnetic variation for scenery design.			Jim Robinson			http://library.avsim.net/download.php?DLID=108863	25
Scenery Design Tool	Utility	Crosshairs - freeware utility to assist in positioning objects etc. in scenery design.	Crosshairs		Gary Mills, Robert Finnegan and Kevin Bryan			http://library.avsim.net/download.php?DLID=73331	25

Scenery Design Tool	Utility	A utility to enable precise coordinates within FS2004 to be read.	Tcalc	tcalc_v2.zip	Richard Ludowise			http://www.avsim.com/	25
Seeing Double?	Panels and guages	A dual panel for the default Beech King Air allowing movement between the pilot and copilot positions at the flick of a switch.		beech_king_air_dual_panel_update.zip	Rick Milne			http://www.avsim.com/	18
Seeing Is Believing	Scenery	Package to replace default taxi markings with black-edged versions now common.		taximarks.zip	Kars Veling			http://www.avsim.com/	23
Silver Wings	Scenery	A set of attractive replacement scenery textures, especially designed for those who like to fly "low and slow". Includes also a set of seven weather themes.		slvrwngs.zip	Lynn and Bill Lyons			http://www.flightsim.com/cgi/kds/main/menuchoo.htm	17
Simply Elegant!	Aircraft	Eastern Airlines Boeing 727-200 package including 14 paints in two versions.		eastern_727-200_package.zip	Peter Liddell, Gaby Carlson, Erick Cantu	Boeing	727	http://www.avsim.com/	15
Sit Back and Relax!	Utility	A utility enabling the user to enjoy the view from a variety of windows in imaginary buildings.	FS2004 Virtual Windows	windows9.zip	Gene R. Ferrier			http://www.avsim.com/	7

Sleep Tight	Scenery	Scenery placing landable National Security patrol boats near nine U.S. ports.		nscutte2.zip	Brian Smith	United States		http://www.flightsim.com/cgi/kds/main/menuchoo.htm	21
Slew Command Chart	FS performance	A chart of keyboard commands for use when slewing (manually shifting) an aircraft in FS.							7
SLEW Down!	FS performance	How to vary the slew speed of aircraft in FS9.							15
Slow Down and Smell the Roses!	FS performance	Using keyboard controls to speed up or slow down simulation rates.							5
Smokejumpers	Aircraft tweaks	Add parachutists to aircraft, operable using the smoke key. Also suggests how to find other similar		smkjmp2.zip	Heather Sherman			http://www.avsim.com/	17
Sneak Preview - And It's a Double Feature!	Scenery	Description and link to preview videos of FREEflow Florida scenery.			FREEflow Team - Bob Brown, Scott Gridley and Joe Watson	United States	Florida	http://www.dartmouth.edu/~gridlock/free_flow_florida.wmv	10
Snoop around!	FS performance	Reference to the News screen in FS as a lead to various development tools to enhance system.							2
Snooty Aircraft	Aircraft	Various ways to correct an unduly nose-up attitude in an aircraft.							6

Snow Bird?	Scenery	Key West KEYW Airport, Florida, specifically for FreeFlow Florida scenery.		fffl_eyw.zip	JC McCormick	United States	Florida	http://www.avsim.com/	17
Socata at a Brewery?	Scenery	Project under way to recreate FS scenery of SAC's Turner AFB, Albany GA. in the 1960s.			Jim Kinter Sr.	United States	Georgia		20
Socata at a Brewery?	Website	Link to website - Aerial Survey & Photo Mapping History - USAAF/USAF – 1945 - 1973						http://www.1370th.com/	20
Some New Approaches	Scenery	The Tile Proxy Program enabling use of photographic images to replace regular FS scenery tiles. Link to tutorial and download.			Christian Buchner; Ed Truhan			http://edtruthan.com/tileproxy/tutorial/	25
Some New Approaches	Design	The Maps2BGL program enabling use of photographic images to replace regular FS scenery tiles. Link to download and tutorial is in original article.						http://library.avsim.net/search.php?SearchTerm=maps2bgl.zip&CatID=root&Go=Search	25
Some Thoughts Regarding a Clean Re-Install of FS2004	FS performance	Some hints when reinstalling FS2004 from scratch, based on the author's experience, including creation of a log of all installed extras.							14

Soo Sault Marie Locks - Scenery	Scenery	Soo Locks scenery, between Michigan and Ontario, including the locks, rail bridges and other features. Available from AVSIM or the author's own site.		sault_saint_marie.zip	Jim Bosworth, Al Heline	Canada United States	Ontario Michigan	http://www.bozai.com/	14
Sound Setup.....tt.....er.....ing?	Systems	Using DXDIAG to reset Sound Acceleration on your PC to improve Sound performance.						http://downloads.guru3d.com/download.php?det=951	11
South of the Border	Scenery	Sceneries for Panama - terrain mesh and the Panama Canal.		panama-mesh.zip panamacanal.zip	Jozef Kusters Winfried Orthmann	Panama	Panama Canal	http://www.avsim.com/	4
South of the Border	Scenery	Airport scenery for Tocumen International Airport MPTO, Panama.		mpto_40.zip	Andres Valenzuela O	Panama	Tocumen International Airport	http://www.flightsim.com/cgi/kds/main/menuchoo.htm	4
Speaking of guages	Utility	Adds panel icon to bring up small chase view window.		chase_view.zip	Barry Blaisdell			http://www.avsim.com/	2
Speaking of Maps!	Utility	FS Moving Maps utility, which enables sectional maps to be viewed on the pilot's kneeboard in FS.	FS Moving Maps	fsmmm120.zip	Rana Hossain			http://www.avsim.com/	6
Speaking of Maps!	Utility	Sectional maps for FS Moving Maps		us_sectionals_pack2.zip and others	Matt Fox			http://www.avsim.com/	6

Speaking of On-Going Projects	Scenery	Work in progress of scenery for Spokane, Wash. Available AVSIM and several packages at Flightsim.com		Looff.zip	Lou Frost	United States	Washington	http://www.flightsim.com/cgi/kds/main/menuchoo.htm	8
Speaking of On-Going Projects	Scenery	FSGenesis West Coast package scenery mesh. Large download.		fsgwst38.zip		United States		http://www.flightsim.com/cgi/kds/main/menuchoo.htm	8
Speaking of Videos	FS performance	Using the flight video option in FS2004, including changing views during video playback and taking							17
Special Announcement!	Editorial	Notice that Com-central.net will carry all editions of Tips & Tricks, and a combined index. Com-Central is a growing, well respected gathering place which provides online gaming and resources for simmers.						www.com-central.net	21
Special Announcement!	Scenery	Enhancement of the Tipella, British Columbia, Canada airport (CBB7) which is located at the Northern tip of Harrison Lake. Includes humerous and interesting surprises.	Com-Central Wilderness Camp		Doug Kibbey	Canada	British Columbia	www.com-central.net	21
Specialized Aircraft	Aircraft	As a change from other types, try the Air Tractor AT-802 crop duster.		at-802a_duster.zip	Brian Gladden	Air Tractor	802	http://www.avsim.com/	7

Star Gazers Update	Utility	Utility to load all stars visible for the naked eye, with ability to display various densities in the night sky.	Real Stars v1.1	rlstar04.zip	Norbert Pachner			http://www.download.com/Flight-Simulator-2004-A-Century-of-Flight-Real-Stars	14
Startup Smoke Enhancement	Utility	Enhancement to startup smoke effect on the DC-3, applicable to other aircraft. Also new detailed contact points for that aircraft. Available AVSIM and Flightsim.com		dc3_fx.zip	Jan Rosenberg			http://www.avsim.com/	10
Stay In Control!	FS performance	Action to remedy accidental loss of joystick control from hitting Control K.							15
Steering on Water	Aircraft	How to steer amphibians and floatplanes on water in FS.							8
Step Back in History	Aircraft	1900's Antoinette VII monoplane.		antoinette.zip	Joe Binka	Antoinette	Type VII	http://www.avsim.com/	4
Step Back In Time	Website	Notice of release of "Golden Wings 3", which converts standard FS2004 to a 1920s - 1930s version.			Golden Wings team			http://windrfters.com/	14
Step Saver	Scenery	Shortcut to disabling (rather than deleting) an installed scenery. Brief summary of how FS indexes sceneries.							11

Sticking With the View	FS performance	Changing the performance of the view keys on the number pad.							25
Still bored?	Website	Link to Workman Publishing website, with instructions on building and flying a paper plane.						http://www.workman.com/fliersclub/	13
Summer Vacation Plans?	Scenery	Flying tour of the Appalachian Trail in the Eastern U.S. Available at AVSIM or Flightsim.com. Links to sites providing maps and information about the Trail.		ffat_v10.zip	Scott Gridley	United States		http://www.avsim.com/	9
Super Bowl Champs	Scenery	Scenery enhancement of Pittsburgh city, including Heinz Field Stadium.		pburgh06.zip and pburghv2.zip	Camilo Forero	United States	Pennsylvania		20
Surf the Web While You Fly?	Utility	Accessing the web either by configuring the FS9 News option or by using an addon program.		fsbrowser10.zip	HiFi Simulation Software			http://www.avsim.com/	12
T and T Info	Attachment	Where to find previous issues of T&T	Began to be included from T&T 4 onwards.						4
Take a Brake	FS performance	Replacement for the FS2004 default language.dll file to abbreviate the default brake messages which may otherwise be intrusive.		braketext.zip	Brent Hricziscse			http://www.avsim.com/	18

Take a Brake	Panels and guages	Parking brake toggle switch guage, in two colours and with indicator light, to add to aircraft panels.		pkbrk1.zip	Glenn Copeland			http://www.avsim.com/	18
Teamwork	Scenery	Hartford-Brainard Airport in Hartford, Connecticut – KHFD. This includes a new AFCAD, taxiway signs for non-towered airports, RWY12/scenery enhancement, and GA AI traffic for the airport.		project_upgrade_khfd.zip	David Strate, Jason Miller, Dan Webb and Matt Patenaude / Project Upgrade	United States	Connecticut	http://www.avsim.com/	17
Teamwork	Scenery	KWST - Westerly State Airport, Rhode Island and KUUU - Newport State Airport, Rhode Island			David Strate, Jason Miller, Dan Webb and Matt Patenaude /	United States	Rhode Island	http://www.avsim.com/	17
Tennis Anyone?	Scenery	Detailed scenery of the Jandakot YPJT general aviation airfield outside Perth, Western Australia.		YPJT2004.zip	Westsim Design Group	Australia	Western Australia	http://www.westsim.com.au/Pages/Freeware/YPJT/FREEWARE-	21
Test Your Knowledge	Background	Short question for after dinner quiz games!							6
Test Your Knowledge!	Background	Quiz question - who flew first?							12
Test Your Perception	Background	Visual test for potential FedEx employees.							11
That's a "No-No"	Scenery	Advice to correctly activate scenery via the FS menu and not by pasting text into scenery.cfg							21

The Difficult We Do Now – the Impossible Takes a Bit Longer!	AI traffic	Enables AI gliders in FS9, and includes an AI sailplane, an example AI field, and instructions to set up AI glider flights at locations of your choice.	AI Gliders	ai_gliders_for_fs2004.zip	Bert de Bruin			http://www.avsim.com/	13
The Difficult We Do Now – the Impossible Takes a Bit Longer!	Aircraft	Slingsby T21 glider, popular as a trainer; numerous repaints are available.	Slingsby T.21b (TX1 Sedberg) "Barge" Training Glider	t21b.zip	Rick Piper, Saverio Maurri	Slingsby	T21b	http://www.avsim.com/	13
The Doctor Is In	Utility	Diagnostic tool to track and display everything your Windows system is doing; useful for showing what files FS tracks when loading, how long it takes and whether the file is found or lost. Useful aid to optimising FS performance.	Filemon					http://www.sysinternals.com/Utilities/Filemon.html	19
The End of an Era	Aircraft	Boeing 717 for AI, the last model produced by AI Aardvark before closure.		aia_b717.zip	AI Aardvark	Boeing	717	http://www.avsim.com/	22
The End of an Era	Background	Closure of AI Aardvark, established supplier of freeware AI airliners for some time.							22

The Fleet Is In Town!	Scenery	VFR scenery for San Diego, Cal., especially the harbour. Includes shipping.		sandiego_philcrowther123.zip	Phil Crowther	United States	California	http://www.avsim.com/	11
The Land of VOZ	Scenery	The Vista Australis project to develop accurate landscapes for all of Australia in FS9. Freeware download at AVSIM.	Vista Australis	voz099.zip	VOZ Project Team	Australia		http://vistaoz.org/	19
The Next Version of FS	Website	Link to Flightsim.com editorial report on the next version of MS Flight Simulator, now referred to as FSX (FS10).						http://www.flightsim.com/cgi/kds?\$_=main/notams06/fsx0104.htm	19
The Simulation Resources Database	Website	Link to part of the AVSIM website, with a collection of links to aviation and flight simulator related resources.						http://www.avsim.com/dcd/	14
Things That Go "Bump" In The Night!	Scenery	Program to add day and night background sounds after engine shutdown. Also a subsequent update file to be downloaded.		sounds.zip sounds_up.zip	José Oliveira and Jorge Filipe.			http://www.avsim.com/	3
Thinking of Upgrading your Video Card?	Systems	Link to site with information related to video card upgrades; summary of factors to consider when upgrading.						http://graphics.toomshardware.com/graphic/20041123/sli-performance-21.html	14

This and That	Editorial	Miscellaneous brief requests, information and advice.							23
This is Freeware?	Aircraft	Work by Arjan Scheffel on the Eric Cantu 737-800W reviewed favourably at Flightsim.com. Includes link for download, which has superb modifications and fills a nich between default jetliners and more demanding payware packages.		as738.zip	Eric Cantu, Arjan Scheffel	Boeing	737	http://www.flightsim.com/cgi/kds/main/menuchoo.htm	23
Three Basic Flying Rules	Humour	Some essential rules to help you keep flying.							14
Time to Fly!	Utility	A small program which can launch any saved FS9 or FSX flight from the desktop, bypassing the usual FS startup.	FLT_Date_Help	flt_date_heure.zip	Pierre Fateux			http://library.avsim.net/search.php?SearchTerm=flt_date_heure.zip&CatID=root&G	25
Time to Rebuild?	FS performance	Forcing an automatic rebuild of your FS9.cfg file by removing (and backing up) the original.							13
TIPS & TRICKS No.01	Tips & Tricks issue	Published Dec. 2004		tips_and_tricks.zip (AVSIM) tipstrik.zip (Flightsim.com)	David "Opa" Marshall			http://www.avsim.com/	1

TIPS & TRICKS No.02	Tips & Tricks issue	Published Jan. 2005		tips_and_tricks _ii.zip (AVSIM) tpstrkii.zip (Flightsim.com)	David "Opa" Marshall			http://www.avsim.com/	2
TIPS & TRICKS No.03	Tips & Tricks issue	Published Jan. 2005		tips_and_tricks _iii.zip (AVSIM) tpstriii.zip (Flightsim.com)	David "Opa" Marshall			http://www.avsim.com/	3
TIPS & TRICKS No.04	Tips & Tricks issue	Published Feb. 2005		tips_and_tricks _iiii.zip (AVSIM) tpstriv.zip (Flightsim.com)	David "Opa" Marshall			http://www.avsim.com/	4
TIPS & TRICKS No.05	Tips & Tricks issue	Published Mar. 2005		tips_and_tricks _iiii.zip (AVSIM) tpstr_v.zip	David "Opa" Marshall			http://www.avsim.com/	5
TIPS & TRICKS No.06	Tips & Tricks issue	Published Mar. 2005		tips_and_tricks _6.zip (AVSIM) tpstr_vi.zip v	David "Opa" Marshall			http://www.avsim.com/	6
TIPS & TRICKS No.07	Tips & Tricks issue	Published Apr. 2005		tips_and_tricks _7.zip (AVSIM) tpstr_7.zip (Flightsim.com)	David "Opa" Marshall			http://www.avsim.com/	7
TIPS & TRICKS No.08	Tips & Tricks issue	Published Apr. 2005		tips_and_tricks _8.zip (AVSIM) tpstr_8.zip (Flightsim.com)	David "Opa" Marshall			http://www.avsim.com/	8
TIPS & TRICKS No.09	Tips & Tricks issue	Published May. 2005		tips_and_tricks _9.zip (AVSIM) tandt9.zip (Flightsim.com)	David "Opa" Marshall			http://www.avsim.com/	9

TIPS & TRICKS No.10	Tips & Tricks issue	Published May. 2005		tips_and_tricks _10.zip (AVSIM) tandt10.zip (Flightsim.com)	David "Opa" Marshall			http://www.avsim.com/	10
TIPS & TRICKS No.11	Tips & Tricks issue	Published May. 2005		tips_and_tricks _11.zip (AVSIM) tandt11.zip (Flightsim.com)	David "Opa" Marshall			http://www.avsim.com/	11
TIPS & TRICKS No.12	Tips & Tricks issue	Published June. 2005		tips_and_tricks _12.zip (AVSIM) tandt12.zip (Flightsim.com)	David "Opa" Marshall			http://www.avsim.com/	12
TIPS & TRICKS No.13	Tips & Tricks issue	Published Aug. 2005		tips_and_tricks _13.zip (AVSIM) tandt13.zip (Flightsim.com)	David "Opa" Marshall			http://www.avsim.com/	13
TIPS & TRICKS No.14	Tips & Tricks issue	Published Sep. 2005		tips_and_tricks _14.zip (AVSIM) tandt14.zip (Flightsim.com)	David "Opa" Marshall			http://www.avsim.com/	14
TIPS & TRICKS No.15	Tips & Tricks issue	Published Oct. 2005		tips_and_tricks _15.zip (AVSIM)	David "Opa" Marshall			http://www.avsim.com/	15

TIPS & TRICKS No.16	Tips & Tricks issue	Published Nov. 2005		tips_and_tricks _16.zip (AVSIM)	David "Opa" Marshall			http://www.avsim.com/	16
TIPS & TRICKS No.17	Tips & Tricks issue	Published Dec. 2005		tips_and_tricks _17.zip (AVSIM)	David "Opa" Marshall			http://www.avsim.com/	17
TIPS & TRICKS No.18	Tips & Tricks issue	Published Jan. 2006		tips_and_tricks _18.zip (AVSIM)	David "Opa" Marshall			http://www.avsim.com/	18
TIPS & TRICKS No.19	Tips & Tricks issue	Published Feb. 2006		tips_and_tricks _19.zip (AVSIM)	David "Opa" Marshall			http://www.avsim.com/	19
TIPS & TRICKS No.20	Tips & Tricks issue	Published Feb. 2006		tips_and_tricks _20.zip (AVSIM)	David "Opa" Marshall			http://www.avsim.com/	20
TIPS & TRICKS No.21	Tips & Tricks issue	Published March 2006		tips_and_tricks _21.zip (AVSIM)	David "Opa" Marshall			http://www.avsim.com/	21
TIPS & TRICKS No.22	Tips & Tricks issue	Published April 2006		tips_and_tricks _22.zip (AVSIM)	David "Opa" Marshall			http://www.avsim.com/	22
TIPS & TRICKS No.23	Tips & Tricks issue	Published Sept. 2006		tips_and_tricks _23.zip (AVSIM)	David "Opa" Marshall			http://www.avsim.com/	23
TIPS & TRICKS No.24	Tips & Tricks issue	Published Nov. 2006		tips_and_tricks _24.zip (AVSIM)	David "Opa" Marshall			http://www.avsim.com/	24
TIPS & TRICKS No.25	Tips & Tricks issue	Published July 2008		tips_and_tricks _25.zip (AVSIM) tandt25.zip	David "Opa" Marshall			http://www.avsim.com/	25

Tired Mouse Finger?	Systems	Simple shortcut to save keystrokes on closing down computer.							25
Tired of Commuting by Car?	Aircraft	A flyable jetpack with pilot, good for touring detailed scenery.		JetPack.zip	Kevin Bryan / Unreal Aviation			http://69.44.154.34/cgi-bin/iframeFolio.cgi?action=v	12
To-Do List	FS performance	Possibility that some unexplained FS problems and crashes may relate to saved flight. Advice to regularly test saved flights.							20
Tools of the Trade	Utility	A tool to view, modify, add, rename and delete resources in Win32 executables and resource files; useful for exploring and altering files such as gauges, exe and dll files and much more.	Resource Hacker		Angus Johnson			http://www.angusj.com/resource_hacker/	17
Tools of the Trade	Utility	Extracts bitmaps from gauge files and reinserts them after repainting. It requires Visual Basic 5.0 drivers (SP3 version) available from Microsoft's website.	GAU to BMP	gaubmp2.zip	Chuck Dome			http://www.flightsim.com/cgi/kds/main/menuchoo.htm	17
Too many aircraft?	AI traffic	Program to hide AI aircraft on the FS aircraft selection menu.		bbqhideai.zip	Alan W L Chan			http://www.avsim.com/	4

Too Many Gauges?	FS performance	How to avoid accumulating unnecessary gauges used by deleted aircraft.							15
Too Much Power?	Aircraft	Executive jet which requires startup procedures to be followed but flies and lands well.		spn.zip	Andreas Koerner	GROB	G180 / SPn Utility Jet	http://www.avsim.com/	24
Too Much Power?	Aircraft tweaks	Installation of pop-up window with startup instructions for Grob SPn; window is an attachment included with T&T 24.				GROB	G180 / SPn Utility Jet		24
Toot my own horn time	AI traffic	Download to add Goodyear Blimp by Bill Lyons as AI traffic to default Moffett Field airship hangars.		just4fun1.zip	David "Opa" Marshall	United States Goodyear	California Blimp	http://www.avsim.com/	3
Tooting My Own Horn		A fictitious campground on Lake Texoma on the Texas Oklahoma border. Created with the EZ and RWY12 and packed with eye candy and including AI Helicopter rides, an AI Windsurfer and AI boats on the lake plus fireworks on the 4th of July.	Opa's Campground	opas_campground.zip at AVSIM; opacgrnd.zip at Flightsim.com	David "Opa" Marshall	United States	Texas - Oklahoma	http://www.avsim.com/	24
Toooo Large?	Website	Link to a site which allows the uploading of files too large to email, for others to download within a seven-day limit.			YouSendIt			http://s52.yousendit.com/howdoesitwork.aspx	18

Touring with John	Scenery	Scenery package for the California Central Coast, including numerous VFR objects.		cccoastf.zip	Al Wheeler	United States	California	http://www.avsim.com/	15
Touring with John	Scenery	Scenery package providing lighthouses down the Californian coast.		ca_lighthouse.zip	Larry Silsbee	United States	California	http://www.avsim.com/	15
To Save or Not to Save – That is the question	Utility	Free screensaver consisting of unique views from aircraft in flight.	Holding Pattern	holdingpattern.zip	Cathy Davis			http://idle-time.org/download.html	21
To Save or Not to Save – That is the question	FS performance	Using FS as a quasi screensaver.							21
To Save or Not to Save – That is the question	Scenery	Textures for all planets in the solar system (except Earth), as well as the four largest moons of Jupiter:		planetarytextures.zip	Scott Armstrong	Planetary textures		http://www.avsim.com/	21
Tour de France	Scenery	Airport scenery for Le Versoud airpark (LFLG) 10 Km ENE of Grenoble, France.		lflg_leversoud_v1.zip	Jean Ambros	France	Grenoble	http://www.avsim.com/	23
Tour de France	Scenery	Small scenery mesh to complement sceneries in southern France.		AltiRelief.zip				http://www.vf-air.com/AltiRelief.zip	23

Tour de France	Scenery	The huge Viaduc de Millau bridge, in the Massif Central range, Languedoc, France, part of a road system linking Paris with Barcelona, Spain.		vdmillau.zip		France	Languedoc	http://www.flightsim.com/cgi/kds/main/menuchoo.htm	23
Touring with John	Website	Link to small website illustrating some tours in FS9, with information about suitable downloads.						Site now closed	15
Tracking your Upload	Design	How to track downloads etc. for your own uploads to FS websites.							3
Traffic Help	AI traffic	Two-part help in using Lee Swordy's <i>Traffic Tools</i> .	TTools Companion	ttcomp20.zip ttcomp21.zip	Bill Schroeder			http://www.avsim.com/	5
Training Wheels?	Aircraft	Czech Aero L-29 Delfin jet trainer, a friendly FS model on which to become familiar with military jets.		l-29_dfn.zip and l29_updt.zip	Tim Conrad	Czech Aero	L-29 Delfin	http://www.avsim.com/	17
Truth is Stranger Than Fiction	Scenery	Scenery and a little history of Pancho Barnes' Happy Bottom Riding Club, near Edwards AFB, CA, a part of aviation history. Also hints on tweaking AI traffic which flies in and out of its airstrip.		panchofs9.zip	Nigel Mason	United States	California	http://www.avsim.com/	22
Try A Real Life Scenario	Aircraft	AirTractor AT-802 fire bomber aircraft.		at-802a_fire.zip	Brian Gladden	Air Tractor	802	http://www.avsim.com/	11

Try A Real Life Scenario	Scenery	Scenery of a forest fire in a New Zealand national park. Fire appears only on a set date.		urewera_forest_fire.zip	Heath Wells	New Zealand		http://www.avsim.com/	11
Turn 4 into 1	FS performance	How to combine the four FS CDs onto one DVD.							21
Turn 4 into 1	Utility	Location of printable FS instruction manual on the first of the four FS CDs.							21
Tweak It	Website	Website which provides, among other things, help in tweaking ATI and NVIDIA graphic cards to optimise performance for FS, and for various computer games.						http://www.tweakguides.com/	22
Tweak, Tweak, Tweak	Utility	Enables editing of many FS9 cfg files.	FS9 Configurator	fs9cfg15.zip	Ken Salter			http://www.avsim.com/	8
Twenty Lashes With a Wet Flight Plan!	FS performance	Amendment to T&T 3 item - Bypass the Startup Screen	Original article - T&T 3 - "Bypass the Startup Screen"						4
Two Tips I Hope You Will Never Need To Use	FS performance	Crashes when opening kneeboard possibly attributable to background applications, RoboForm and WindowBlinds. How to trace cause of some other crashes.							12

Two Great Tips	FS performance	How to assign a key to the map display function in FS9.							17
Two Great Tips	FS performance	Editing load distributions in aircraft.							17
Two Interesting Tips	Aircraft tweaks	How to remove contact sparks, incorrect tire marks and other unwanted landing effects from an aircraft.							18
Two Interesting Tips	Aircraft tweaks	How to edit an aircraft's fuel consumption.							18
Two Tips I Hope You Will Never Need To Use	FS performance	Loss of some sounds but not others traceable to corrupted Windows CODECs.							12
Two Useful Shortcuts	FS performance	Setting up desktop shortcuts directly to FS2004 Help or Lessons; FS2004 need not be running. NB: Shortcuts are also packaged with this issue of T&T.							25
Two Useful Sites	Website	Link to Jim's Flightsim Pages, a help site for simmers; specific link is to a page listing the contents of the CD's for FS2004.	Jim's Flightsim Pages		Jim Robinson			http://www.cattamer.com/flightsim/faq001.html	25

Two Useful Sites	Website	Site page with links for downloading the FS9 SDKs (development kits).			Microsoft			http://support.microsoft.com/kb/555857	25
Two Useful Sites	FS performance	Download of EXCEL spreadsheet listing contents of FS2004 CDs.		fs9cddir.zip	Brian Collins			http://www.avsim.com/	25
Ugly Ducklings?	Aircraft	An interesting French prop transport with gmax features and animations.			Barney Bigard and Christian Daboudet	Breguet	763 Provence	http://www.avsim.com/	18
Ugly Ducklings?	Panels and guages	Panel for the Bigard and Daboudet Breguet 763, and a small fix file.		b2p_2.zip and fix.zip	Peter Mercy	Breguet	763 Provence	http://www.avsim.com/	18
Ugly Ducklings?	Aircraft	The PZL 140, a light utility aircraft fitted for floats, amphibian, normal and tundra tires.		wicked_wilga.zip	Joe Binka and Bruce Thorson	PZL	Model 140 Wilga	http://www.avsim.com/	18
Unforgiving	Aircraft	A challenging flyable version of the Bell-Boeing V22 Osprey tilt-rotor transport aircraft.		rcbhcf10.zip	Rob Barendregt	Bell-Boeing	V22 Osprey	http://www.flightsim.com/cgi/kds/main/menuchoo.htm	18
Unforgiving	Website	Link to a website about the Bell-Boeing V22-Osprey .				Bell-Boeing	V22 Osprey	http://pma275.navy.mil/	18
Unique aircraft	Aircraft	Sikorsky S-38 classic amphibian download.		s38nwa4.zip	George Diemer	Sikorsky	S-38	http://www.flightsim.com/cgi/kds/main/menuchoo.htm	2

Unique aircraft	Surface vehicle	Pilotable sailing ship, the British clipper Cutty Sark.		stcs.zip	Shigeru Tanaka	Cutty Sark	Cutty Sark	www.flightsimnetwork.com/shigeru	2
Unleash your Creativity	Scenery design	Program to simplify creation of "exclude" areas for default scenery objects.		excbuilderv2.zip	Paavo Pihelgas			http://www.avsim.com/	3
Unleash your Creativity	Scenery design	Program to create runway / taxiway signs for airports.		createsign_c.zip	Vladimir Svoboda (Cesmina)			http://www.avsim.com/	3
Unleash your Creativity	Scenery design	Runway 12 object placer to insert default (and other) objects into scenery.	RWY12 Object Placer		Israel Roth and Seev Kahn			http://www.avsim.com/	3
Unusual "Aircraft"	Aircraft	Flyable Space Shuttle.		shuttaj.zip and shuttxaj.zip	Andy Johnston	Space Shuttle		http://www.flightsim.com/cgi/kds/main/menuchoo.htm	23
Unusual "Aircraft"	Surface vehicle	Driveable WW2 Chevrolet 1533X2 patrol truck as operated by the Long Range Desert Group. Also a second file with FDE improved for stability and braking.		lrdg1533.zip and lrdg1533fe.zip	Tim "Piglet" Conrad; Charles Backus	Chevrolet	1533X2 LRDG Patrol Truck		23
Unusual Animation	Scenery	Animated scenery of parachute jump-training towers at Fort Benning, GA.		ftbenning250.zip	Ron Jeffers	United States	Georgia	http://www.avsim.com/	22
Unusual Animation	Scenery	Animated scenery of the fishing boat and attacking shark from the movie "Jaws".		jawz.zip at AVSIM and Flightsim.com	Ron Jeffers	United States	Massachusetts	http://www.avsim.com/	22

Unusual Animation	Attachment	MP3 of "Jaws" movie theme to accompany T&T item about Ron Jeffers' "Jaws" scenery.							22
Unusual Scenery	AI traffic	Projet Airbus Industrie pack - Flightplans for Frank Zimmermann's scenery of Finkenwerder (EDHI) airport, Germany.	Hamburg-Finkenwerder (EDHI)		Frank Zimmermann	Germany	Hamburg	http://www.fsfrance.com/Projets/PAI/PAI.htm	13
Unusual Scenery	Scenery	Fictional Hanks Outpost updated scenery, on the border of Canada and Alaska.	Hanks Trading Post (Revisited)	hanks_fs9.zip	Michael Carr	United States	Alaska	http://www.avsim.com/	13
Unusual Scenery	Scenery	AFCAD for Michael Carr's scenery of Hank's Trading Post.	Hank's Trading Post, Taku Lodge, Alaska	Hanks_Trading_Post_AFCAD.zip	David "Opa" Marshall	United States	Alaska	http://www.avsim.com/	13
Unusual Scenery	Scenery	Finkenwerder (EDHI) airport and assembly plant for Airbus Deutschland, located on the South-west side of Hamburg.	Hamburg-Finkenwerder (EDHI)	edhi_40.zip	Frank Zimmermann	Germany	Hamburg	http://www.avsim.com/	13
Up, Up and Away	Website	Website allowing online flying (not a virtual airline, but a flying club)			Brett Lee			www.tietonflyingclub.bravehost.com	3
Upgrade?	Utility	Link to the Microsoft FS9.1 upgrade patch.		fs91upd.exe	Microsoft			http://www.microsoft.com/games/flight simulator/fs	2
Useful or Useless - I am not sure which	FS performance	Key commands to call up a small window and cycle views of various AI aircraft in the vicinity.							8

Vacation Destinations	Scenery	Detailed scenery of the city, bay, landmarks and airports of Rio De Janeiro, Brazil.		rio_de_janeiro_v5_170534.zip	Newton Drumond and Fern Marques	Brazil	Rio de Janeiro	http://www.avsim.com/	22
Vacation Destinations	Scenery	Arturo Merino Benitez Intl Airport (SCEL) Santiago, Chile		scel2005.zip	Andres O. Valenzuela and Franco S. Zunino	Chile	Santiago	http://www.flightsim.com/cgi/kds/main/menuchoo.htm	22
Vacation Destinations	Scenery	Rodelillo Aerodrome (SCRD) near the city of Vina del Mar, Chile.		scredjv21.zip	Jorge del Villar	Chile	Vina del Mar	http://www.flightsim.com/cgi/kds/main/menuchoo.htm	22
Vacation Destinations	Scenery	Fernandez archipelago, South Pacific off Chile, comprising Robinson Crusoe (Isla Mas Atierra), Alejandro Selkirk (Isla Mas Afuera) and the small Santa Clara island. An AFCAD attachment to help locate the islands is included in T&T22.		fernandez_vfr.zip	Giovanni Miduri	Chile	Fernandez Archipelago	http://www.flightsim.com/cgi/kds/main/menuchoo.htm	22
Vacation Destinations	Scenery	Isle of St. Martin (Z02C) or Isla Garcia Martin, near Buenos Aires and off the coast of Uruguay in the Río de la Plata.		z02c.zip	Adrián Fernández Gómez			http://www.avsim.com/	22
Vacation Destinations	Scenery	Ezeiza Airport in Buenos Aires, Argentina.		saez.zip and saez-patch.zip	Joaquin and Miguel Zafra	Argentina	Buenos Aires	http://www.avsim.com/	22

Vacation Destinations	Scenery	Saba Island, an airport in the Netherlands Antilles with a difficult approach. AFCAD adding an NDB is attached to T&T22.		saba2004.zip	Rainer Labie and Francesco Romeo	Netherlands Antilles	Saba	http://www.avsim.com/	22
Vacation Destinations	Scenery	St. Barts (TFFJ) airport.		st.barths_2004.zip	Francesco Romeo	French Antilles	St. Bathelemy	http://www.avsim.com/	22
Vacation Destinations	Aircraft	A Cessna 210 providing near-STOL performance for limited runways.	Cessna Centurion Turbo-normalized Riley-Rocket Intercooler	c210pt.zip at AVSIM or Flightsim.com and patch, hp210ptc.zip at AVSIM.	Bratt Henderson, Siegfried Schaeffer and Horst Paetzold	Cessna	210	http://www.avsim.com/	22
Vancouver – CYVR – Revisited	Scenery	Version 4.2 of Vancouver CYVR, BC airport, with update to resolve display issues. Hints to further improve frame rates if needed.		cyvr4.2.zip and cyvr42fx.zip	P. Nigel Grant	Canada	British Columbia		17
Vertex? Is That a Disease?	Scenery	Enhancing terrain mesh detail by editing vertex level in FS9.cfg							5
Very Useful Websites	Website	Site to search for virtual airlines world-wide.						http://207.127.218.107/advsearch.wcgi	12
Very Useful Websites	Website	Website to hear live ATC (Air Traffic Control) conversations.						http://www.liveatc.net/feedindex.php	12
Very Useful Websites	Website	Tutorials from real-world pilot. CD available.			Hal Stoen			http://www.stoenworks.com/Aviation%20home%20page	12

Very Useful Websites	Website	Detailed information about scenery terrain mesh.					http://www.fs-traveler.com/welcome.shtml	12
Very Useful Websites	Website	Website with links to information on constructing simulator cockpits.					http://www.fscoc.kpit.com	12
Very Useful Websites	Website	Website with detailed graphical explanations of various aircraft panels.					http://www.meriwether.com/flightdeck.html	12
Video Feedback	Systems	Need to update FS9.cfg to recognise newly-installed video card.						15
Video Recommendation	Media	Short video clip of a T-6 flying at tree top altitude near a little valley airport in Oregon.	A Place to Dream Of	t6vid.zip	Klaus Mueller		http://www.flightsim.com/cgi/kds/main/menuchoo.htm	17
V.I.P. Parking	FS performance	How to add a dedicated, reserved "VIP" park for yourself at an airport.						22
Wake Up the Chickens!	FS performance	Selecting a barnstorming flight from the FS9 default flights menu.						14
Want to Know (and understand) More?	Website	Link to site containing a number of FS-related tutorials.					http://www.wilsonsairspace.com/tlc.html	11
Want to Make Contact?	Aircraft tweaks	Short summary and link to article about editing contact points in aircraft.cfg files.					http://www.sim-outhouse.com/index.php?loc=articles&page=cp	9

Want To See Better Detail On Your Aircraft?	FS performance	Changing the maximum texture size in the FS Options menu - with the proviso that the aircraft is well drawn in the first place - should enhance its appearance.							11
Water, water everywhere!	Scenery	Water texture enhancement.		waterzone.zip	Pete Drazzoff			http://www.avsim.com/	3
Waves Gone Bye-Bye?	Scenery	Where to find the necessary texture and effects files on the FS CDs if shoreline wave effects vanish.							19
Well Packaged	Aircraft	Package of the Boeing 75 Stearman classic biplane, with various liveries and a fictitious airfield scenery in Kansas.		stear04.zip	David Eckert, Mark Smith and Dennis Seeley	Boeing	Stearman	http://www.avsim.com/	9
What a view!	Aircraft	Blimp panel.		newpanel.zip	Frank J. Petriccione			http://www.flightsim.com/cgi/kds/main/menuchoo.htm	9
What do I fly?	Aircraft	One of the author's own preferred FS aircraft.	Beechcraft King Air F90-1	ka_f90-1.zip	Henry Tomciewicz, Dee Waldron	Beechcraft	King Air	http://www.flightsim.com/cgi/kds/main/menuchoo.htm	13
What do I fly?	Aircraft	One of the author's own preferred FS aircraft.	Aero Commander 500 Cargo (With VC)	ac500ca1.zip	Milton Shupe, Scott Thomas, André	Rockwell	Aero Commander 500	http://www.avsim.com/	13

What do I fly?	Aircraft	One of the author's own preferred FS aircraft.	Lockheed 094A Constellation	fsdzl049a_v1.zip	John Howard White and others	Lockheed	Constellation	http://www.avsim.com/	13
What do I fly?	Aircraft	One of the author's own preferred FS aircraft.	Brunner Winkle Bird	bwbird.zip, bkpilotfx.zip	Golden Age Simulations	Brunner Winkle	Bird	http://www.avsim.com/	13
What do I fly?	Aircraft	One of the author's own preferred FS aircraft. Includes author's tips to enhance performance.	Beechcraft D18S	d18svc4.zip	Milton Shupe, Scott Thomas, André Folkers	Beechcraft	D18S	http://www.avsim.com/	13
What do I fly?	Aircraft tweaks	Interior modification to the Shupe / Thomas / Folkers Beechcraft D18S.	D18S virtual cabin and cockpit modifications	d18s_int.zip	Urs "Maloney" Burkhardt	Beechcraft	D18S	http://www.avsim.com/	13
What do I fly?	Author	The author's own preferred FS aircraft.							13
What do I fly?	Website	Support site for the Shupe / Thomas / Folkers Beechcraft D18S.				Beechcraft	D18S	http://www.flightsimonline.com/d18s/faqs.htm	13
What is it?	Background	Explanation of airfield marking.							13
What is it?	Website	Link to FAA site as a general information source on airport operations.						http://www.faa.gov/ATpubs/AIM/Chap4/aim0403.html	13
What's On the CD's?	FS performance	Quick guide to which of the MSFS CDs contain which files, and an introduction to .cab files.							15

What's That You Say?	Website	Site allowing grammatical translation of selections of text, online and free.						http://www.freetranslation.com/	21
What's the Weather Like in _____?	Utility	Tool to allow real-world METAR weather reports to be called up within FS, or without loading FS.		fs9_in-flight_metar_tool.zip	Andreas Trawny			http://www.avsim.com/	9
What's a Synchrophaser?	Background	Definition from the FS2004 glossary.							9
What's In A Name?	Scenery	Doherty's Difficult and Dangerous Approaches series of downloads, setting up interesting situations at various world airports.	Difficult and Dangerous Approaches	Several in series, plus packages of various files.	Michael Doherty			http://www.avsim.com/	6
What's In A Name?	Scenery	Separate sceneries for Nantucket, Martha's Vineyard and Hyannis Airports in Massachusetts, by William Shea. KEYWORDS cape cod new england airfield		khy.zip kmvy.zip kack.zip	William Shea	United States	Massachusetts	http://www.avsim.com/	11
What's Wrong Here?	Real world aviation	One of those unique photos of things that can go wrong with aircraft.							19
What's Wrong With This Picture?	FS performance	Symptoms of missing scenery or aircraft textures, and what to do about it.							14
What? Me Make an Error?	Attachment	Small wav file to use for Windows "critical error" sound.							21

When 2 (or 4) Engines are Not Enough	Aircraft	Convair B-36H Peacemaker by Kazunori Ito, a huge multi-engined US bomber conceived in WW2 and produced in the early years of the Cold War..		b36h5718.zip	Kazunori Ito	Convair	B-36	http://www.flightsim.com/cgi/kds/main/menuchoo.htm	17
When Two Wings are Not Enough	Aircraft	Pfalz Dr1 of Pegasus Aviation Designs, one of three triplane fighters produced in WW1.			Frank Elton / Pegasus Aviation Design	Pfalz	Dr1	http://www.flightsimnetwork.com/pegav/pages/pfalzdr.shtml	17
Where Are My AI Aircraft?	AI traffic	Troubleshooting when AI traffic does not appear as expected.							9
Where Are My AI Aircraft?	Utility	Brief introduction to Traffic Tools program, for setting up AI traffic.	Traffic Tools		Lee Swordy			All major FS download sites; AVSIM, Simviation,	9
Where is it?	FS performance	Setting up visual approach guide in FS							2
Where Is It?	FS performance	Reference to Excel-format guide to contents of the four FS2004 CDs to help replace lost or damaged files, and hints on how to make the replacements.		fs9cddir.zip	Brian Collins			http://www.avsim.com/	20
Where Is It?	FS performance	Reminder about Brian Collins' Excel-format guide to contents of the four FS2004 CDs.		fs9cddir.zip	Brian Collins			http://www.avsim.com/	21

Where Is It?	FS performance	Location of some FS2004 files when installed under the Vista operating system.							25
Where's the Airsick Bag?		A flight plan using the default King air and taking advantage of FS9's dynamic weather. It includes recommendations for enhancements to install for the departure and arrival airports, Atlanta Peachtree Dekalb, GA and McGee Tyson, Knoxville, TN.		kpdk-ktys.zip	Earl Buice			http://www.avsim.com/	22
Where Should I Fly Today?	Website	Site which provides downloadable flight plans from users around the world.						http://www.fsdestinations.com/	9
Whoa, Nelly!	FS performance	How to apply differential braking to taxiing aircraft.							6
Why do I have to open my window shade for takeoff and landing?	Real world aviation	The reason cabin crew ask passengers to ensure window shades are open for takeoff and landing.							20

Wives and FS	Website	Link to AVSIM Discussion Forum thread on frustrating interruptions from Important Others - human or animal - at critical times during your flight sim sessions.						http://forums.avsim.net/dcboard.php?az=show_topic&forum=120&topic_id=25469	21
Words of Wisdom?	Humour	A few short quotes relating to aviation.							25
Yet Another Breakthrough	Aircraft	Detailed model of the Piper Tri-Pacer including a full virtual cockpit and working external hot-spots for pre-flight checks, refuelling and start-up.		cc13p22f.zip	Bill & Lynn Lyons	Piper	PA-22 Tri-Pacer	http://www.avsim.com/	15
You Can Be Different	FS performance	How to substitute your own splash screen to display whilst FS9 is loading.							19
You Have to "Talk the Talk".	FS performance	The phonetic alphabet and numeric pronunciations, as used in ATC and other radio communications. Supported by phonetic							8
You Might Be a Winner!	Background	Voting for designers in the FlightSim.Com monthly competition can win prizes both for you and your nominated author.						http://www.flightsim.com/cgi/kds/main/menuchoo.htm	16

Zip it Up	FS performance	Zippping backed up files or folders to avoid FS reading them.							16
Zoom, Zoom, Zoom	Utility	A utility to allow mouse-controlled zooming and other view movements in spot and other views.	F1View Utility	F1view.zip				http://www.flight1.com/view.asp?page=library	8