Federal Aviation Administration

DOT/FAA/AM-15/1
Office of Aerospace Medicine
Washington, DC 20591

Index to FAA Office of Aerospace Medicine Reports: 1961-2014

William E. Collins
8900 Sheringham Drive
Oklahoma City, OK 73132

Michael E. Wayda
Civil Aerospace Medical Institute
Federal Aviation Administration
Oklahoma City, OK 73125

January 2015

Final Report

NOTICE

Technical Report Documentation Page

1. Report No. DOT/FAA/AM-15/1	2. Government Accession No.	3. Recipient's Catalog No.
4. Title and Subtitle Index to FAA Office of Aerospace Medicine Reports: 1961-2014		5. Report Date January 2015 6. Performing Organization Code
7. Author(s) Collins WE,[1] Wayda ME[2]		8. Performing Organization Report No.
9. Performing Organization Name and Address [1]8900 Sheringham Drive Oklahoma City, OK 73132	[2]FAA Civil Aerospace Medical Institute P.O. Box 25082 Oklahoma City, OK 73132	10. Work Unit No. (TRAIS) 11. Contract or Grant No.
12. Sponsoring Agency name and Address Office of Aerospace Medicine Federal Aviation Administration 800 Independence Ave., S.W. Washington, DC 20591		13. Type of Report and Period Covered 14. Sponsoring Agency Code
15. Supplemental Notes National Technical Information Service or Defense Technical Information Center order numbers are shown in the chronological listing after the report titles.		

16. Abstract

An index to Federal Aviation Administration Office of Aerospace Medicine Reports (1964-2014) and Civil Aeromedical Institute Reports (1961-1963) is presented for those engaged in aviation medicine and related activities. The index lists all FAA aerospace medicine technical reports published from 1961 through 2014: chronologically, alphabetically by author, and alphabetically by subject.

An introduction describes recently expanded capabilities for impact testing, aircraft cabin simulator research, portable hypoxia demonstration, and advanced flight simulation.

17. Key Words Aerospace Medicine, Research Reports, Office of Aerospace Medicine, Civil Aerospace Medical Institute, CAMI, Human Factors		18. Distribution Statement Document is available to the public through the Internet: www.faa.gov/go/oamtechreports	
19. Security Classif. (of this report) Unclassified	20. Security Classif. (of this page) Unclassified	21. No. of Pages 103	22. Price

Form DOT F 1700.7 (8-72) Reproduction of completed page authorized

Recently Upgraded Facilities Expand CAMI's Capabilities

By Michael E. Wayda

Researchers at the Civil Aerospace Medical Institute, CAMI, recently upgraded four advanced facilities that will positively affect aviation safety in the years to come.

This new impact test facility was named in honor of the late Van Gowdy, a long-time CAMI impact sled engineer. The facility was dedicated in Nov. 2014.

Van Gowdy Impact Facility

The facility features a computer-operated sled on a 110-foot track that runs more efficiently, at higher acceleration levels, and with a higher payload capacity than the track it replaces, allowing CAMI researchers to obtain data that will eventually help passengers and crew survive commercial aircraft accidents. The main research application is to improve the crash safety provided by existing and proposed aircraft seats and restraint system configurations and materials.

Impact tests are conducted using an accelerator-type sled system. Test specimens are mounted on a sled that is propelled along precision rails by a pneumatic cylinder and controlled by a servo hydraulic brake system. This system can accurately reproduce the high frequency/high G accelerations that occur during survivable aircraft crashes. Any impact vector can be replicated by adjusting the orientation of the test article on the sled.

During impact tests, the seats are occupied by instrumented anthropometric test dummies ranging in size from a 1-year-old child to a 95th percentile male. Accelerations, forces, and deflections are precisely measured during a test, recorded on a multi-channel, high-speed data acquisition system, and evaluated to determine the risk of injury.

The impact facility became fully operational in June of 2014.

CAMI researchers gave an impact test demonstration during the November 2014 dedication ceremony and open house. The seats are occupied by instrumented anthropometric test dummies; the resulting data are analyzed to determine the risk of injury to the occupants.

Flexible Aircraft Simulator

The second new research facility now operational is the Flexible Aircraft Simulator, or FlexSim. Its mission is to provide simulations of single-aisle transport category airplanes (airliners) with seating for up to 120 passengers. The FlexSim is mounted on electro-mechanical scissor lifts that can raise the cabin to doorsill heights applicable to a range of airplane types, as well as pitch and roll the cabin to simulate various landing-gear-out, post-crash configurations. The purpose of this capability is to allow research into emergency procedures and evacuations from numerous crashed configurations.

The interior seats and monuments are fully reconfigurable to allow simulations of many different transport airplanes and to provide unique cabin interior configurations for answering novel research questions.

Windows are simulated via high-definition video display terminals mounted along both sides of the cabin interior to provide research participants a variety of realistic exterior scenes and operational scenarios, including normal takeoffs, landings, and cruise flight, as well as a full complement of emergency situations.

Cabin lighting is controllable to simulate all possible visibility conditions from normal- to emergency-lighting only, with or without simulated (theatrical) smoke generated to obscure the interior.

The Flexible Aircraft Cabin Simulator and the Van Gowdy Impact Facility were developed as part of the Aerospace Medical Equipment Needs program that was initiated in 2009.

Exterior of the FlexSim, located at the Mike Monroney Aeronautical Center in Oklahoma City, Okla.

Interior of the one-of-its-kind simulator. 120 test participants are briefed during acceptance testing.

In the center photo, this "airliner" is configured as a narrow-body passenger transport airplane with triple-seat assemblies on each side of the center aisle, complete with drop-down tray tables and oxygen masks.

Bottom photo, L-R: Scizzors ready, FlexSim's ribbon is cut by Cabin Safety Research team members David Weed, Ken Larcher, Team Lead Dr. Garnet McLean, David Ruppel, Center Director Michelle Coppage, Federal Air Surgeon Dr. James Fraser, CAMI Research Division Manager Estrella Forster, CAMI Director Melchor Antuñano, and team members Cynthia Corbett and Kenneth Baldwin.

Portable Reduced Oxygen Training Enclosure

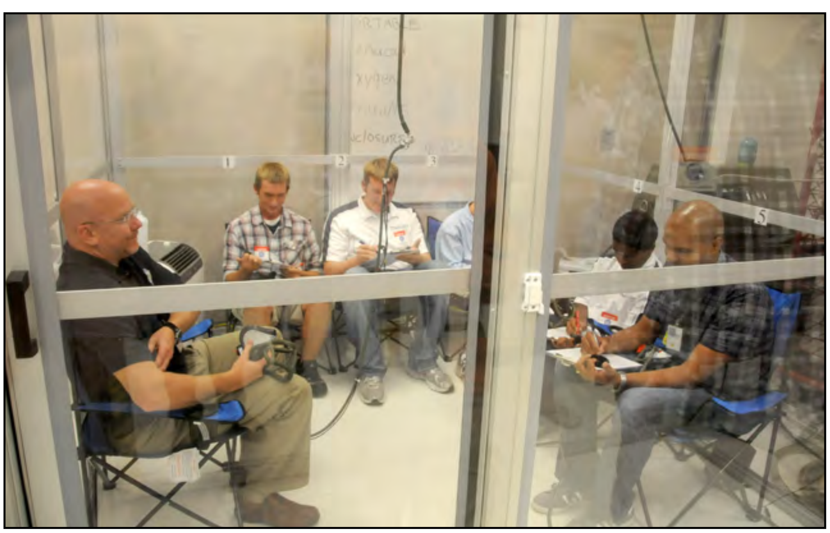
The portable chamber from the operator's perspective showing the enclosure with seats for five trainees and an instructor.

Although hypoxia in aviation is a threat to flight safety, relatively few pilots have had practical training to combat this hazard. The Civil Aerospace Medical Institute was one of the first to offer hypoxia training to the civil aviation community through the use of CAMI altitude chambers.

CAMI's altitude chambers have been used successfully and have an impressive safety record, but they also have limitations. First, pilots have to be clear of any upper respiratory ailments that could cause ear and sinus blockages. Second, even though the chambers are demonstrably safe, there is still a remote chance of developing decompression sickness associated with unpressurized flights to high altitudes. Finally, pilots must travel to Oklahoma City to get the training because the altitude chamber is situated in CAMI.

The advances in technology that are embodied in the Portable Reduced Oxygen Training Enclosure (PROTE) solves all of these problems. The PROTE uses mixed-gas technology to induce hypoxia, so it has distinct advantages over existing altitude chambers. Since mixed gas is used, issues with ears and sinuses are diminished, as well as the risk of decompression sickness caused by exposures to altitudes of 18,000 feet or higher.

Now, aviators can experience their personal symptoms of hypoxia without risking any of the above-mentioned issues of pressure reduction. An added bonus is that the PROTE is portable. Although based at CAMI, the 8-ft. by 11-ft. chamber can be shipped to various locations (such as major airshows), be made operational in two hours, and can be used to train large groups. Five pilots at a time can be accommodated in the PROTE. They enter, sit down for about five minutes (under the tutelage of CAMI instructors) to discover their symptoms of hypoxia, don an aviation oxygen mask, and their hypoxia symptoms quickly disappear. Pilots emerge from the training chamber knowing their personal symptoms of hypoxia. Thus, they can use that awareness while flying to identify hypoxia symptoms and take corrective action.



A training session with five trainees. An instructor monitors the session to encourage them to participate fully by becoming hypoxic and to don the oxygen mask when the experience is complete. The experienced feelings can be remembered and can then serve as a signal to pilots during high-altitude flight...before safety is compromised.

Mustang Very Light Jet Simulator

A flight simulation training device for the Cessna Citation Mustang Very Light Jet was built to an equivalent level-5 flight training device and is now used as a research platform.

The Mustang features an accurate flight deck depiction with a sophisticated avionics suite, accurate portrayal of control forces, and a high-fidelity digital surround system that accurately replicates aircraft and environmental sounds. A graphical user station is provided that allows researchers to set and control all aircraft systems and environmental conditions.

Various research scenarios are automated, and data recordings have enhanced capabilities to generate detail-rich reports for post-flight analyses. Seven-megapixel Internet protocol cameras capture various angles of the cockpit and pilot interactions with the controls and avionics.

Flights are replayed on both the simulator and remote debrief station, including playback of audio communications, cockpit video, and digital flight data collected from the real time flight model. The simulator is mated with a high-fidelity 225-degree spherical dome that gives the pilot a large field of view. The out-the-window display system consists of six projectors that are driven from six high-end computers that provide pilots with realistic visualizations.

Wide view showing the Mustang VLJ and projected background.

View from the cockpit. The out-the-window display system consists of six projectors that are driven from six high-end computers that provide pilots with realistic visualizations.

These upgrades have significantly advanced the Civil Aerospace Medical Institute's ability to enhance aviation safety. Innovative work at CAMI has become the norm for more than 50 years, and these new applications of cutting-edge technology will position CAMI's researchers to meet future challenges.

Photos provided by
- ✦ IZONE Research Support Team
- ✦ CAMI Publications

How to Use the Index

Organization

The Index is organized in three sections:

1. Chronological Index: a cumulative list of all research reports from 1961 through 2012.
2. Author Index: all contributing authors, in alphabetical order.
3. Subject Index: subjects, listed in alphabetical order.

Some examples are:

14-3 Weed DB, Paskoff LN, Ruppel DJ, Corbett CL, McLean GA: Identification and comprehension of symbolic exit signs for small transport-category airplanes.

Above: This is an entry from the **Chronological Index** of research reports, shown in cumulative sequence.

Milburn NJ 82-10, 92-28, 92-29, 92-30, 93-16, 93-17, 95-13, 96-22, 97-10, 99-8, 04-10, 04-14, 06-26, 09-11, 11-8, 13-15, 13-16, 13-18, 13-20, 14-6

Above: This is an entry from the **Author Index,** which lists all research reports prepared by an author or co-author.

Air Traffic Controllers

…biographical factors, associated with training success, 83-6, 84-6, 90-4, 94-13, 13-7, 14-8

Above: An example of entries in the **Subject Index;** refers to all reports that pertain to a specific topic.

Report Numbers

13-8 Montgomery RW, Wood KJ: Laser illumination of helicopters: A comparative analysis with fixed-wing aircraft for the period 1980 – 2011. ADA577678

Above: The first numbers (13-8) refer to the year and chronological number of the report. This is an abbreviated portion of the official number given each report and is found in the upper left of the report's cover page. The full report number of "13-8" is DOT/FAA/AM-13/8. The "ADA577678" was appended to the report by the Defense Technical Information Center (DTIC). Keep the number system in mind when ordering from DTIC.

How to Order or Obtain for Free

- Abstracts and full text of all reports are available on the Federal Aviation Administration's Internet site:
  www.faa.gov/go/oamtechreports

- Defense Technical Information Center (DTIC). Abstracts and full text of most reports are available from the DTIC's Public Technical Reports Internet site. Reports may be searched by author, title, and keyword, as well as "ADA" number.
  http://www.dtic.mil/dtic/search/tr/tr.html

"Aviation Safety Through the Development and Application of Aeromedical Knowledge"

Contents

Part I: Chronological Index
1961 Through 2014

1961

61-1 Trites DK: Problems in air traffic management: I. Longitudinal prediction of effectiveness of air traffic controllers. AD268954

1962

62-1 Swearingen JJ, Wheelwright CD, Garner JD: An analysis of sitting areas and pressures of man. AD271138

62-2 Cobb BB Jr: Problems in air traffic management: II. Prediction of success in air traffic controller school. N62-10354

62-3 Trites DK, Cobb BB Jr: Problems in air traffic management: III. Implications of age for training and job performance of air traffic controllers. N62-10353

62-4 Swearingen JJ, Mohler SR: Sonotropic effects of commercial air transport sound on birds. AD280212

62-5 Iampietro PF, Goldman R: Prediction of energy cost of treadmill work. AD280607

62-6 Balke B: Human tolerances. AD421156

62-7 Hasbrook AH, Earley JC: Failure of rearward-facing seat backs and resulting injuries in a survivable transport accident. AD421157

62-8 Smith PW: Toxic hazards in aerial application. AD421158

62-9 Hasbrook AH, Garner JD, Snow CC: Evacuation pattern analysis of a survivable commercial aircraft crash. AD282893

62-10 Daugherty JW, Lacey DE, Korty P: Problems in aerial application: I. Some biochemical effects of lindane and dieldrin on vertebrates. AD288413

62-11 Hawkes GR: Tactile communication. AD288414

62-12 Dille JR, Newton NL, Culver JF: The effects of simulated altitude on penetrating eye injuries. AD288415

62-13 Swearingen JJ, Hasbrook AH, Snyder R G, McFadden EB: Kinematic behavior of the human body during deceleration. AD283938

62-14 Swearingen JJ: Determination of centers of gravity of man. AD287156

62-15 Gogel WC: The visual perception of size and distance. AD287197

62-16 Hawkes GR: Absolute identifications of cutaneous stimuli varying in both intensity level and duration. AD295134

62-17 Collins WE: Manipulation of arousal and its effects on human vestibular nystagmus induced by caloric irrigation and angular accelerations. AD290348

62-18 Hinshaw LB, Brake CM, Iampietro PF, Emerson TE Jr: Effect of increased venous pressure on renal hemodynamics. AD295137

62-19 Snyder RG: A case of survival of extreme vertical impact in seated position. AD295136

62-20 Mohler SR: Civil aeromedical research: Responsibilities, aims, and accomplishments. AD295135

62-21 McFadden EB, Raeke JW, Young JW: An improved method for determining the efficiency of crew and passenger oxygen masks. AD297835

1963

63-1 Emerson TE Jr, Hinshaw LB, Brake CM, Iampietro PF: The development of reversible hematuria and oliguria following elevation of renal venous pressure. AD299775

63-2 Mohler SR, Dille JR: Resume and index of reports of the Civil Aeromedical Research Institute, 1961-1962. AD431924

63-3 Collins WE: Observations on the elicitation of secondary and inverted primary nystagmus from the cat by unilateral caloric irrigation. AD413456

63-4 Daugherty JW, Lacey DE, Korty P: Problems in aerial application: II. Effects of chlorinated hydrocarbons on substratelinked phosphorylation. AD418504

63-5 Melton CE Jr: Neural control of the ciliary muscle. AD413392

63-6 Balke B: A simple field test for the assessment of physical fitness. AD413393

63-7 Tobias JV, Jeffress LA: Relation of earphone transient response to measurement of onset-duration. AD413391

63-8 McKenzie JM, Fowler PR, Lyne PJ: Calibration of an electronic counter and pulse height analyzer for plotting erythrocyte volume spectra. AD425598

63-9 Swearingen JJ, McFadden EB: Studies of air loads on man. AD602207

63-10 Gogel WC: The perception of depth from binocular disparity. AD429827

63-11 Lategola MT: In vivo measurement of total gas pressure in mammalian tissue. AD425537

63-12 Nagle FJ, Balke B, Ganslen RV, Davis AW: The mitigation of physical fatigue with Spartase. AD429001

63-13 Collins WE: Primary, secondary, and caloric nystagmus of the cat following habituation to rotation. AD428756

63-14 Collins WE: Nystagmus responses of the cat to rotation and to directionally equivalent and nonequivalent stimuli after unilateral caloric habituation. AD425565

63-15 Snyder RG: Human survivability of extreme impacts in free-fall. AD425412

63-16 Emerson TE Jr, Brake CM, Hinshaw LB: Mechanisms of action of the insecticide endrin. AD431299

63-17 Tobias JV: Application of a "relative" procedure to a problem in binaural beat perception. AD428899

63-18 Balke B: Experimental evaluation of work capacity as related to chronological and physiological aging. AD431301

63-19 Wernick JS, Tobias JV: A central factor in pure tone auditory fatigue. AD428737

63-20 Gogel WC: The visual perception of spatial extent. AD432587

63-21 Tang PC, Dille JR: In-flight loss of consciousness: A case report. AD430394

63-22 Hinshaw LB, Page BB, Brake CM, Emerson TE Jr, Masucci FD: The mechanisms of intrarenal hemodynamic changes following acute arterial occlusion. AD431302

63-23 Higgins EA, Iampietro PF, Adams T, Holmes DD: The effects of a tranquilizer on body temperature. AD432484

63-24 Dille JR, Smith PW: Central nervous system effects of chronic exposure to organophosphate insecticides. AD434090

63-25 Adams T, Funkhouser GE, Kendall WW: A method for the measurement of physiologic evaporative water loss. AD603418

63-26 Reins DA, Holmes DD, Hinshaw LB: Acute and chronic effects of the insecticide endrin on renal function and renal hemodynamics. AD602206

63-27 Dille JR, Crane CR, Pendergrass GE: The flammability of lip, face, and hair preparations in the presence of 100% oxygen. AD602204

63-28 Gogel WC: Size cues and the adjacency principle. AD602205

63-29 Collins WE: Task-control of arousal and the effects of repeated unidirectional angular acceleration on human vestibular responses. AD603419

63-30 Snyder RG, Ice J, Duncan JC, Hyde AS, Leverett S Jr: Biomedical research studies in acceleration. AD601531 Supplement-AD801793

63-31 Trites DK, Cobb BB Jr: Problems in air traffic management: IV. Comparison of preemployment, job-related experience with aptitude tests as predictors of training and job performance of air traffic control specialists. AD603416

63-32 Hinshaw LB, Emerson TE Jr, Brake CM: Mechanism of autoregulation in the intact kidney. AD603417

63-33 Dill DB, Robinson S, Balke B, Newton JL: Work tolerance: Age and altitude. AD603932

63-34 Ganslen RV, Balke B, Phillips EE, Nagle F: Effects of some tranquilizing, analeptic, and vasodilating drugs on physical work capacity and orthostatic tolerance. AD603930

63-35 Pearson RG: Human factors aspects of lightplane safety. AD603931

Tech. Pub. #1 Collins WE, Tobias JV, Capps MJ, Allen ME: Annotated bibliography of recently translated material. I. AD424640

1964

64-1 Wentz AE: Studies on aging in aviation personnel. AD456652

64-2 Naughton J, Balke B, Nagle F: The effect of physical conditioning on an individual before and after suffering a myocardial infarction. AD456653

64-3 Nagle FJ, Balke M: The gradational step test for assessing cardiorespiratory capacity: An experimental evaluation of treadmill and step test procedures. AD456654

64-4 Spieth W: Cardiovascular health status, age, and psychological performance. AD453578

64-5 Moser KM: Current status of clot dissolution therapy. AD453579

64-6 Seipel JH, Wentz AE: Unsuspected neurologic disease in aviation personnel: Survival following seizures in flight. AD453580

64-7 Houk VN, Hufnagel CA, McClenathan JE, Moser KM: Chronic thrombotic obstruction of major pulmonary arteries. AD453581

64-8 Moser KM, Perry RB, Luchsinger PC: Cardiopulmonary consequences of pyrogen-induced hyperpyrexia in man.

64-9 Freud SL: Duration of spiral aftereffect as a function of retinal size, retinal place, and hemiretinal transfer. AD618588

64-10 Freud SL: Duration as a measure of the spiral aftereffect. AD618589

64-11 Pinkerson AL, Kot PA, Knowlan DM: Effect of glyceryl trinitrate on pulmonary vasculature of anesthetized dogs.

64-12 Scarborough WR: Comments on progress in ballistocardiographic research and the current state of the art. AD455651

64-13 Gogel WC: The size cue to visually perceived distance. AD456655

64-14 Capps MJ, Collins WE: Effects of bilateral caloric habituation on nystagmus responses of the cat. AD455652

64-15 Collins WE, Huffman HW: Design and performance characteristics of a mechanically driven vestibular stimulator. AD456656

64-16 Tobias JV, Collins WE, Allen ME: Aviation medicine translations: Annotated bibliography of recently translated material. II. AD456670

64-17 Freud SL: The physiological locus of the spiral aftereffect. AD611881

64-18 Melton CE Jr: Physiological recordings from pilots operating an aircraft simulator. AD456671

64-19 Perloff JK: The recognition of strictly posterior myocardial infarction by conventional scalar electrocardiography. AD611882

64-20 FAA Aviation Medical Library: Aviation medical papers and reports: a bibliography. AD613364

1965

65-1 Capps MJ, Collins WE: Auditory fatigue: Influence of mental factors. AD459636

65-2 Collins WE, Capps MJ: Effects of several mental tasks on auditory fatigue. AD459637

65-3 Reighard, HL: Medical services at airports. AD611883

65-4 Seipel JH, Ziemnowicz SAR, O'Doherty DS: Cranial impedance plethysmography-Rheoencephalography as a method of detection of cerebrovascular disease. AD611884

65-5 Hauty GT, Trites DK, Berkley WJ: Biomedical survey of ATC facilities: I. Incidence of self-reported symptoms. AD689806

65-6 Hauty GT, Trites DK, Berkley WJ: Biomedical survey of ATC facilities: II. Experience and age. N66-16669

65-7 Mohler SR, Swearingen JJ, McFadden EB, Garner JD: Human factors of emergency evacuation. AD459638

65-8 Van Brummelen AGW, Scarborough WR, Josenhans WKT: On the elimination of pulse wave velocity in stroke volume determination from the ultralow frequency displacement ballistocardiogram. AD612450

65-9 Lowenstein 0, Feinberg R, Loewenfeld I: Pupillary movements during acute and chronic fatigue. AD612451

65-10 O'Connor WF, Pearson RG: ATC system error and appraisal of controller proficiency. N66-16583

65-11 Gogel WC: The equidistance tendency and its consequences: Problems in depth perception. AD621432

65-12 Snyder RG: Survival of high-velocity free-falls in water. AD621021

65-13 Mohler SR: Fatigue in aviation activities. AD620022

65-14 Snow CC, Hasbrook AH: The angle of shoulder slope in normal males as a factor in shoulder-harness design. AD653920

65-15 Scarborough WR (Joint NASA-FAA publication): Ballistocardiography: a bibliography N65-35520

65-16 Hauty GT, Adams T: Pilot fatigue: Intercontinental jet flight: Oklahoma City-Tokyo. AD621433

65-17 Allen ME, Collins WE, Tobias JV, Crain RA: Aviation medicine translations: Annotated bibliography of recently translated material. III. AD617090

65-18 Collins WE: Adaptation to vestibular disorientation: I. Vertigo and nystagmus following repeated clinical stimulation. AD617091

65-19 Cobb BB Jr: Problems in air traffic management: V. Identification and potential of aptitude test measures for selection of tower air traffic controller trainees. AD620722

65-20 Swearingen JJ: Tolerances of the human face to crash impact. AD621434

65-21 Trites DK: Problems in air traffic management: VI. Interaction of training-entry age with intellectual and personality characteristics of air traffic control specialists. AD620721

65-22 Trites DK, Miller MC, Cobb BB Jr: Problems in air traffic management. VII. Job and training performance of air traffic control specialists-measurement, structure, and prediction. AD649292

65-23 Swearingen JJ, Young JW: Determination of centers of gravity of children, sitting and standing. AD661865

65-24 Collins WE: Adaptation to vestibular disorientation. II. Nystagmus and vertigo following high-velocity angular accelerations. AD621435

65-25 Feinberg R, Podolak E: Latency of pupillary reflex to light stimulation and its relationship to aging. AD689809

65-26 Snow CC, Snyder RG: Anthropometry of air traffic control trainees. N66-25185

65-27 Brake CM, Reins D, Wittmers LE, Hinshaw LB: Intrarenal hemodynamic changes following acute partial renal arterial occlusion. AD649263

65-28 Hauty GT, Adams T: Phase shifts of the human circadian system and performance deficit during the periods of transition: I, East-West flight. AD639637

65-29 Hauty GT, Adams T: Phase shifts of the human circadian system and performance deficit during the periods of transition: II. West-East flight. AD689811

65-30 Hauty GT, Adams T: Phase shifts of the human circadian system and performance deficit during the periods of transition: III. North-South flight. AD689812

65-31 Pearson RG, Hunter CE, Neal GL: Development and evaluation of a radar air traffic control research task. AD660198

65-32 Gogel WC, Mertens HW: Problems in depth perception: A method of simulating objects moving in depth. AD660171

1966

66-1 Allen ME, Mohler SR: Aviation medicine reports: An annotated catalog of Office of Aviation Medicine reports: 1961 through 1965. AD638732

66-2 Allen ME, Crain RA: Aviation medicine translations: Annotated bibliography of recently translated material. IV. AD651907

66-3 Mohler SR, Swearingen JJ: Cockpit design for impact survival. AD687411

66-4 Tobias JV: A table of intensity increments. AD642113

66-5 Clark G: Problems in aerial application: A comparison of the effects of dieldrin poisoning in cold-adapted and room-temperature mammals. N66-30197

66-6 Fiorica V: Fatigue and stress studies: An improved semiautomated procedure for fluorometric determination of plasma catecholamines. AD653748

66-7 McFadden EB: Evaluation of the physiological protective efficiency of a new prototype disposable passenger oxygen mask. AD644118

66-8 Mohler SR: The predominant causes of crashes and recommended therapy. AD639779

66-9 Young JW: Selected facial measurements of children for oxygen mask design. AD640062

66-10 O'Connor WF, Pendergrass GE: Effects of decompression on operator performance. AD675774

66-11 Hinshaw LB, Reins DA, Emerson TE Jr, Rieger JA Jr, Stavinoha WB, Fiorica V, Solomon LA, Holmes DD: Problems in aerial application: I.-V. AD660199

66-12 Swearingen JJ: Injury potentials of light-aircraft instrument panels. AD642114

66-13 McFadden EB, Simpson JM: Flotation characteristics of aircraft-passenger seat cushions. AD642349

66-14 Iampietro PF, Fiorica V, Dille JR, Higgins EA, Funkhouser G, Moses R: Problems in aviation personnel: Influence of a tranquilizer on temperature regulation in man. AD638733

66-15 O'Connor WF, Scow J, Pendergrass GE: Hypoxia and performance decrement. AD639780

66-16 Lategola MT, Harrison HF, Barnard C: The aeromedical assessment of human systolic and diastolic blood-pressure transients without direct arterial puncture. AD639615

66-17 Naughton J, Shanbour KArmstrong R, McCoy J, Lategola MT: Problems in aeromedical certification: Cardiovascular responses to exercise following myocardial infarction. AD640970

66-18 Swearingen JJ: Evaluation of head and face injury potential of current airline seats during crash decelerations. AD653869

66-19 Pearson RG: Performance tasks for operator-skills research. AD642115

66-20 McFadden EB, Lategola MT: Evaluation of the Sierra hanging quick-don crew pressure-breathing oxygen mask. AD645493

66-21 Naughton J, Lategola MT, Shanbour K: Clinical aviation medicine: A physical-conditioning program for cardiac patients. AD640969

66-22 Gogel WC, Mertens HW: Problems in depth perception: Perceived size and distance of familiar objects. AD641477

66-23 Iampietro PF, Adams T: The achievement of thermal balance and its maintenance during environmental stress. AD642350

66-24 Agee FL Jr, Gogel WC: Problems in depth perception: Equidistance judgments in the vicinity of a binocular illusion. AD641476

66-25 Mohler SR, Freud SL, Veregge JE, Umberger EL: Physician flight accidents. AD648768

66-26 Clark G: Problems in aerial application: Histochemistry of Weil stain on liver. AD652599

66-27 Dille JR, Morris Edward W: Human factors in general aviation accidents. AD640971

66-28 Mohler SR: Oxygen in general aviation. AD645497

66-29 Mohler SR: Recent findings on the impairment of airmanship by alcohol. AD644119

66-30 Mohler SR, Harper CR: Protecting the Ag pilot. AD641478

66-31 Von Rosenberg CW, Keen FR, Mohler SR: The "stall barrier" as a new preventive in general aviation accidents. AD642351

66-32 Mohler SR, Hasbrook AH: In-flight response to a new non-gyroscopic blind flight instrument. AD641479

66-33 Young JW: Recommendations for shoulder restraint installation in general aviation aircraft. AD646054

66-34 Clark G: Problems in aerial application: A comparison of the acute effects of endrin and carbon tetrachloride on the livers of rats and of the residual effects one month after poisoning. AD645494

66-35 Melton CE Jr, Wicks SM: Pilot vision considerations: The effect of age on binocular fusion time. AD645495

66-36 Nagle FJ, Naughton J, Balke B: Clinical aviation medicine research: Comparison of simultaneous measurements of intra-aortic and auscultatory blood pressure with pressure-flow dynamics during rest and exercise. AD645496

66-37 Collins WE: Adaptation to vestibular disorientation. III. Influence on adaptation of interrupting nystagmic eye movements with opposing stimuli. AD649615

66-38 Mertens HW: A homogeneous field for light adaptation.

66-39 Melton CE Jr, Higgins EA, Saldivar JT, Wicks SM: Exposure of men to intermittent photic stimulation under simulated IFR conditions. AD646872

66-40 Swearingen JJ: Evaluation of various padding materials for crash protection. AD647048

66-41 McKenzie JM, Fiorica V: Physiological responses of pilots to severe-weather flying. AD646871

66-42 Garner JD, Blethrow JG: Emergency evacuation tests of a crashed L-1649. AD645423

1967

67-1 Cobb BB Jr: The relationships between chronological age, length of experience, and job performance ratings of air route traffic control specialists. AD661468

67-2 Mertens RA, Collins WE: Adaptation to vestibular disorientation. IV. Responses to angular acceleration and to bilateral caloric stimulation following unilateral caloric habituation. AD653696

67-3 McFadden EB: Development of techniques for evaluating the physiological protective efficiency of civil aviation oxygen equipment. AD659498

67-4 McFadden EB, Reynolds HI, Funkhouser GE: A protective passenger smoke hood. AD657436

67-5 Fowler PR, McKenzie JM: Problems in aerial application: Detection of mild poisoning by organophosphorus pesticides using an automated method for cholinesterase activity. AD656211

67-6 Collins WE, Guedry FE Jr: Adaptation to vestibular disorientation. V. Eye-movement and subjective turning responses to two durations of angular acceleration. N67-38956

67-7 Guedry FE Jr, Collins WE: Adaptation to vestibular disorientation. VI. Eye-movement and subjective turning responses to varied durations of angular acceleration. AD671855

67-8 Lewis MF, Ashby FK: Diagnostic tests of color-defective vision: Annotated bibliography, 1956-1966. AD660200

67-9 McFadden EB, Harrison HF, Simpson JM: Performance characteristics of constant-flow phase dilution oxygen mask designs for general aviation. AD660201

67-10 Rowland RC Jr, Tobias JV: Interaural intensity difference limen. AD661235

67-11 Seipel JH: The biophysical basis and clinical applications of rheoencephalography. AD673082

67-12 Collins WE: Adaptation to vestibular disorientation. VII. Special effects of brief periods of visual fixation on nystagmus and sensations of turning. AD659192

67-13 Young JW: A functional comparison of basic restraint systems. AD660202

67-14 Swearingen JJ: An evaluation of potential decompression hazards in small pressurized aircraft. AD660203

67-15 Melton CE Jr, Wicks SM: In-flight physiological monitoring of student pilots. AD665660

67-16 Lewis MF: Cross-modality matching of loudness to brightness for flashes of varying luminance and duration. AD664463

67-17 Funkhouser GE, Billings SM: A portable device for the measurement of evaporative water loss. AD664465

67-18 Gogel WC: Cue-enhancement as a function of task-set. AD664466

67-19 Collins WE: Adaptation to vestibular disorientation. VIII. "Coriolis" vestibular stimulation and the influence of different visual surrounds. N68-16799

67-20 Gogel WC, Mertens HW: Perceived depth between familiar objects. AD665293

67-21 Crane CR, Sanders DC: Evaluation of a biocidal turbine-fuel-additive. AD665661

67-22 Mohler SR, Bedell RHS, Ross A, Veregge EJ: Aircraft accidents by older persons. AD663688

67-23 Veregge EJ: Type airman certification as related to accidents. AD663688

67-24 Lewis MF, Mertens HW: Reaction time as a function of flash luminance and duration. AD664464

67-25 Siegel PV: Aviation medicine, FAA-1966. AD675943

1968

68-1 Index to FAA Office of Aviation Medicine Reports: 1961 through 1967. AD673666

68-2 Collins WE: Adaptation to vestibular disorientation: IX. Influence of head position on the habituation of vertical nystagmus. AD677460

68-3 Podolak E, Kinn JB, Westura EE: Biomedical applications of a commercial capacitance transducer. AD683292

68-4 Fiorica V, Burr MJ, Moses R: Contribution of activity to the circadian rhythm in excretion of magnesium and calcium. AD674416

68-5 Booze CF Jr: Usage of combined airman certification by active airmen: An active airman population estimate. AD678947

68-6 Crosby WM, Snyder RG, Snow CC, Hanson PG: Impact injuries in pregnancy. I. Experimental studies. AD674861

68-7 Allen ME, Mertens RA: Aviation medicine translations: Annotated bibliography of recently translated material. V. AD673665

68-8 Mohler SR, Dille JR, Gibbons HL: Circadian rhythms and the effects of long-distance flights. AD672898

68-9 Siegel PV, Booze CF Jr: A retrospective analysis of aeromedical certification denial actions. January 1961-December 1967. AD675521

68-10 Collins WE, Schroeder DJ: The spiral aftereffect: Influence of stimulus size and viewing distance on the duration of illusory motion. AD673644

68-11 Hasbrook AH, Young PE: Pilot response to peripheral vision cues during instrument flying tasks. AD684804

68-12 Hasbrook AH, Young PE: Peripheral vision cues: Their effect on pilot performance during instrument landing approaches and recoveries from unusual attitudes. AD683305

68-13 Vaughan JA, Higgins EA, Funkhouser GE, Galerston EM: The effects of body thermal state on manual performance. AD675522

68-14 Cobb BB Jr: A comparative study of air traffic trainee aptitude-test measures involving Navy, Marine Corps, and FAA controllers. AD686669

68-15 Higgins EA, Davis AW Jr, Fiorica V, Iampietro PF, Vaughan JA, Funkhouser GE: Effects of two antihistamine containing compounds upon performance at three altitudes. AD676502

68-16 Dille JR, Mohler SR: Drug and toxic hazards in general aviation. AD686670

68-17 Thackray RI, Pearson DW: The effects of cognitive appraisal of stress on heart rate and task performance. AD687413

68-18 Higgins EA, Davis AW Jr, Vaughan JA, Funkhouser GE, Galerston EM: The effects of alcohol at three simulated aircraft cabin conditions. AD686671

68-19 Snyder RG, Snow CC: Fatal injuries resulting from extreme water impact. AD688424

68-20 Lewis MF: Two-flash thresholds as a function of flash luminance and area. AD686672

68-21 Tobias JV: Cockpit noise intensity: Fifteen single-engine light aircraft. AD686425

68-22 Hasbrook AH: A comparison of effects of peripheral vision cues on pilot performance during instrument flight in dissimilar aircraft simulators. AD688425

68-23 Fiorica V: A table for converting pH to hydrogen ion concentration [H+] over the range 5-9. AD688120

68-24 Snyder RG, Snow CC, Crosby WM, Hanson P, Fineg J, Chandler R: Impact injury to the pregnant female and fetus in lap belt restraint. AD689359

68-25 Tobias JV: Cockpit noise intensity: Eleven twin-engine light aircraft. AD688111

68-26 Melton CE Jr, Wicks M, Saldivar JT, Morgan J, Vance FP: Physiological studies on air tanker pilots flying forest fire retardant missions. AD690090

68-27 Lewis MF, Mertens HW: Assessment of the Broca-Sulzer phenomenon via inter- and intra-modality matching procedures: Studies of signal-light brightness. AD689358

68-28 Collins WE: Adaptation to vestibular disorientation. X. Modification of vestibular nystagmus and "vertigo" by means of visual stimulation. AD691405

1969

69-1 Melton CE Jr, Wicks M: Binocular fusion time in sleep-deprived subjects. AD688426

69-2 Siegel PV, Mohler SR: Medical factors in U.S. general aviation accidents. AD689740

69-3 Snyder RG, Snow CC, Young JW, Crosby WM, Price GT: Pathology of trauma attributed to restraint systems in crash impacts. AD690415

69-4 Snyder RG, Young JW, Snow CC: Experimental impact protection with advanced restraint systems: Preliminary primate tests with air bag and inertia reel/inverted-Y yoke torso harness. AD695416

69-5 Snyder RG, Crosby WM, Snow CC, Young JW, Hanson PG: Seat belt injuries in impact. AD698298

69-6 Chiles WD, Bruni CB, Lewis RA: Methodology in the assessment of complex human performance: The effects of signal rate on monitoring a dynamic process. AD697943

69-7 Pearson DW, Thackray RI: Consistency of performance change and autonomic response as a function of expressed attitude toward a specific stress situation. AD697944

69-8 Thackray RI: Patterns of physiological activity accompanying performance on a perceptual-motor task. AD697945

69-9 Chiles WD, Gibbons HL, Smith PW: Effects of two common medications on complex performance. AD703631

69-10 Iampietro PF, Chiles WD, Higgins EA, Gibbons HL, Jennings AE, Vaughan JA: Complex performance during exposure to high temperatures. AD703632

69-11 Booze CF Jr: Occupations of active airmen. AD704474

69-12 Melton CE Jr, Hoffmann SM, Delafield RH: The use of a tranquilizer (chlordiazepoxide) in flight training. AD703221

69-13 Snyder RG, Snow CC, Young JW, Price GT, Hanson PG: Experimental comparison of trauma in lateral (+Gy), rearwardfacing (+Gx), and forward-facing (-Gx) body orientations when restrained by lap belt only. AD707185

69-14 Chiles WD, Jennings AE: Effects of alcohol on complex performance. AD703633

69-15 Williams MJ, Collins WE: The spiral aftereffect. II. Some influences of visual angle and retinal speed on the duration and intensity of illusory motion. AD703634

69-16 Chiles WD, Bruni CB, Lewis RA: Methodology in the assessment of complex performance: The effects of signal rate on monitoring a static process. AD703635

69-17 Siegel PV, Gerathewohl SJ, Mohler SR: Time-zone effects on the long-distance air traveler. AD702443

69-18 Siegel PV, Mohler SR, Cierebiej A: The safety significance of aircraft accident post mortem findings. AD704473

1970

1971

71-36 Cobb BB Jr, Lay CD, Bourdet NM: The relationship between chronological age and aptitude test measures of advanced-level air traffic control trainees. AD733830

71-37 McFadden EB, Young JW: Evaluation of an improved flotation device for infants and small children. AD729836

71-38 Norwood GK: Senior aviation medical examiners conducting FAA first-class medical examinations. AD731849

71-39 Hill RJ, Collins WE, Schroeder DJ: Alcohol and disorientation-related responses: V. The influence of alcohol on positional, rotatory, and coriolis vestibular responses over 32-hour periods. AD735389

71-40 Cobb BB Jr: Air traffic aptitude test measures of military and FAA controller trainees. AD737871

71-41 Higgins EA, Fiorica V, Davis HV, Thomas AA: The acute toxicity of brief exposure of HF, HCl, and N02 and HCN singly and in combination with CO. AD735160

71-42 Mertens HW, Lewis MF: Discrimination of short-duration (two-pulse) flashes as a function of signal luminance and method of measurement. AD737872

1972

72-1 Dille JR, Grimm MH: Index to FAA Office of Aviation Medicine Reports: 1961 through 1971. AD742607

72-2 Yanowitch RE, Mohler SR, Nichols EA: The psycho-social reconstruction inventory: A postdictal instrument in aircraft accident investigation. AD738464

72-3 Sirkis JA: The benefits of the use of shoulder harness in general aviation aircraft. AD739943

72-4 Billings CE, Wick RL Jr, Gerke RJ, Chase RC: The effects of alcohol on pilot performance during instrument flight. AD740778

72-5 Chiles WD, Jennings AE, West G: Multiple-task performance as a predictor of the potential of air traffic controller trainees. AD741736

72-6 Lowrey DL, Langston ED, Reed W, Swearingen JJ: Effectiveness of restraint equipment in enclosed areas. AD739944

72-7 Langston ED, Swearingen JJ: Evaluation of a fiberglass instrument glare shield for protection against head injury. AD740732

72-8 Zeiner AR, Brecher GA: Effects of backscatter of brief high-intensity light on physiological responses of instrument-rated pilots and non-pilots. AD744234

72-9 Rasmussen PG, Hasbrook AH: Pilot tracking performance during successive in-flight simulated instrument approaches. AD743392

72-10 McFadden EB: Physiological evaluation of a modified jet transport passenger oxygen mask. AD743422

72-11 Chiles WD, Jennings AE: Effects of alcohol on a problem-solving task. AD743423

72-12 Crane CR, Sanders DC, Abbott JK: A comparison of serum cholinesterase methods: II. AD744866

72-13 Booze CF Jr: Attrition from active airman status during 1970. AD742608

72-14 Thackray RI, Jones KN, Touchstone RM: The color- word interference test and its relation to performance impairment under auditory distraction. AD743424

72-15 Swearingen JJ, Wallace TF, Blethrow JG, Rowlan DE: Crash survival analysis of 16 agricultural aircraft accidents. AD745257

72-16 Jones KN, Goulden DR, Grimm EJ: Aviation medicine translations: Annotated bibliography of recently translated material. VII. AD747125

72-17 Iampietro PF, Melton CE Jr, Higgins EA, Vaughan JA, Hoffman SM, Funkhouser GE, Saldivar JT: High temperature and performance in a flight task simulator. AD746057

72-18 Cobb BB Jr, Mathews JJ: A proposed new test for aptitude screening of air traffic controller applicants. AD746058

72-19 Chiles WD, West G: Residual performance effects of simulated sonic booms introduced during sleep. AD747989

72-20 Lategola MT: The use of simple indicators for detecting potential coronary heart disease susceptibility in the air traffic controller population. AD747990

72-21 Jennings AE, Chiles WD, West G: Methodology in the measurement of complex human performance: Two-dimensional compensatory tracking. AD745259

72-22 Cobb BB Jr, Mathews JJ, Lay CD: A comparative study of female and male air traffic controller trainees. AD751312

72-23 Smith RC: A study of the State-Trait Anxiety Inventory and the assessment of stress under simulated conditions. AD747991

72-24 Smith RC, Hutto GL: Sonic booms and sleep: Affect change as a function of age. AD749277

72-25 Thackray RI, Jones KN, Touchstone RM: Self-estimate of distractibility as related to performance decrement on a task requiring sustained attention. AD751396

72-26 Lategola MT: The use of simple indicators for detecting potential coronary heart disease susceptibility in the third-class airman population. AD749278

72-27 Karim B, Bergey KH, Chandler RF, Hasbrook AH, Purswell JL, Snow CC: A preliminary study of maximal control force capability of female pilots. AD753987

72-28 Mohler SR: G effects on the pilot during aerobatics. AD751397

72-29 Lewis MF, Mertens HW, Steen JA: Behavioral changes from chronic exposure to pesticides used in aerial application: Effects of Phosdrin on the performance of monkeys and pigeons on variable interval reinforcement schedules. AD749893

72-30 Folk ED, Garner JD, Cook EA, Broadhurst JL: GPSS/360 computer models to simulate aircraft passenger emergency evacuation. AD755542

72-31 Tobias JV: Binaural processing of speech in light aircraft. AD753637

72-32 Tobias JV: Auditory effects of noise on air-crew personnel. AD757239

72-33 Cobb BB Jr, Mathews JJ, Nelson PL: Attrition-retention rates of air traffic controller trainees recruited during 1960-1963 and 1968-1970. AD757933

72-34 Schroeder DJ, Gilson RD, Guedry FE, Collins WE: Alcohol and disorientation-related responses. VI. Effects of alcohol on eye movements and tracking performance during laboratory angular accelerations about the yaw and pitch axes. AD766937

72-35 Collins WE, Iampietro PF: Simulated sonic booms and sleep: Effects of repeated booms of 1.0 psf. AD762988

1973

73-1 Braden GE, Reed W, Swearingen JJ: Application of commercial aircraft accident investigation techniques to a railroad derailment. AD764188

73-2 Smith RC: Job attitudes of air traffic controllers: A comparison of three air traffic control specialties. AD763508

73-3 Revzin AM: Subtle changes in brain functions produced by single doses of mevinphos (Phosdrin). AD763509

73-4 Revzin AM: Transient blindness due to the combined effects of mevinphos and atropine. AD763555

73-5 Yanowitch RE, Bergin JM, Yanowitch EA: The aircraft as an instrument of self-destruction. AD763556

73-6 Lewis MF: Frequency of anticollision observing responses by solo pilots as a function of traffic density, ATC traffic warnings, and competing behavior. AD763557

73-7 Cobb BB Jr, Nelson PL, Mathews JJ: The relationships of age and ATC experience to job performance rating of terminal area traffic controllers. AD773449

73-8 Booze CF Jr: Prevalence and incidence of disease among airmen medically certified during 1965. AD773544

73-9 Hasbrook AH, Rasmussen PG: In-flight performance of civilian pilots using moving-aircraft and moving-horizon attitude indicators. AD773450

73-10 Lategola MT, Lynn CA, Folk ED, Booze CF Jr, Lyne PJ: Height and weight errors in aeromedical certification data. AD773452

73-11 Thackray RI, Rylander R, Touchstone RM: Sonic boom startle effects: Report of a field study. AD773451

73-12 Lewis MF, Ferraro DP: Flying high: The aeromedical aspects of marihuana. AD775889

73-13 Tobias JV, Irons FM: Reception of distorted speech. AD777564

73-14 Thackray RI, Jones KN, Touchstone RM: Personality and physiological correlates of performance decrement on a monotonous task requiring sustained attention. AD777825

73-15 Smith RC, Melton CE Jr: Susceptibility to anxiety and shift difficulty as determinants of state anxiety in air traffic controllers. AD777565

73-16 Thackray RI, Touchstone RM, Bailey JP: A comparison of the startle effects resulting from exposure to two levels of simulated sonic booms. AD777581

73-17 Schroeder DJ, Collins WE, Elam GW: Effects of secobarbital and d-amphetamine on tracking performance during angular acceleration. AD777582

73-18 Steen JA, Collins WE, Lewis MF: Utility of several clinical tests of color-defective vision in predicting daytime and nighttime performance with the aviation signal light gun. AD777563

73-19 Constant GN, Goulden DR, Grimm EJ: Aviation medicine translations: Annotated bibliography of recently translated material. VIII. AD776136

73-20 Tobias JV, Irons FM: Ear-protector ratings. AD779552

73-21 Melton CE Jr, McKenzie JM, Polis BD, Hoffmann SM, Saldivar JT: Physiological responses in air traffic control personnel: Houston Intercontinental Tower. AD777838

73-22 Melton CE Jr, McKenzie JM, Smith RC, Polis BD, Higgins EA, Hoffmann SM, Funkhouser GE, Saldivar JT: Physiological, biochemical, and psychological responses in air traffic control personnel: Comparison of the 5-day and 2-2-1 shift rotation patterns. AD778214

73-23 Leeper RC, Hasbrook AH, Purswell JL: Study of control force limits for female pilots. AD777839

1974

74-1 Dille JR, Grimm MH: Index to FAA Office of Aviation Medicine Reports: 1961 through 1973. AD779553

74-2 Mathews JJ, Collins WE, Cobb BB: A sex comparison of reasons for attrition of nonjourneyman FAA air traffic controllers. AD780558

74-3 Collins WE: Adaptation to vestibular disorientation. XII. Habituation of vestibular responses: an overview. AD780562

74-4 Young JW, Fisher RG, Price GT, Chandler R F: Experimental trauma of occipital impacts. AD780668

74-5 Booze CF Jr: Characteristics of medically disqualified airman applicants during calendar year 1971. AD781684

74-6 Lategola MT, Layne PJ: Amplitude/frequency differences in a supine resting single-lead electrocardiogram of normal versus coronary heart diseased males. AD781685

74-7 Mathews JJ, Collins WE, Cobb BB Jr: Job-related attitudes of nonjourneyman FAA air traffic controllers and former controllers: a sex comparison. AD787238

74-8 Cobb BB Jr, Nelson PL: Aircraft-pilot and other pre-employment experience as factors in the selection of air traffic controller trainees. ADA001039

74-9 Thackray RI, Touchstone RM, Bailey JP: Behavioral, autonomic, and subjective reactions to low- and moderate-level sonic booms: A report of two experiments and a general evaluation of sonic boom startle effects. ADA002266

74-10 Chiles WD, West G: Multiple-task performance as a predictor of the potential of air traffic controller trainees: A followup study. ADA002920

74-11 Melton CE Jr, McKenzie JM, Saldivar JT, Hoffmann SM: Comparison of Opa Locka Tower with other ATC facilities by means of a biochemical stress index. ADA008378

74-12 Smith RC: A realistic view of the people in air traffic control. ADA006789

1975

75-1 Jones KN, Steen JA, Collins WE: Predictive validities of several clinical color vision tests for aviation signal light gun performance. ADA006792

75-2 Snow CC, Reynolds HM, Allgood MA: Anthropometry of airline stewardesses. ADA012965

75-3 Mathews JJ, Cobb BB Jr, Collins WE: Attitudes on en route air traffic control training and work: A comparison of recruits initially trained at the FAA Academy and recruits initially trained at assigned centers. ADA013343

75-4 Collins WE, Lennon AO, Grimm EJ: The use of vestibular tests in civil aviation medical examinations: Survey of practices and proposals by aviation medical examiners. ADA015087

75-5 Ryan LC, Gerathewohl SJ, Mohler SR, Booze CF Jr: To see or not to see: Visual acuity of pilots involved in midair collisions. ADA016277

75-6 Lewis MF, Ferraro DP, Mertens HW, Steen JA: Interaction between marihuana and altitude on a complex behavioral task in baboons. ADA020680/5GI

75-7 Melton CE Jr, Smith RC, McKenzie JM, Saldivar JT, Hoffmann SM, Fowler PR: Stress in air traffic controllers: Comparison of two air route traffic control centers on different shift rotation patterns. ADA020679/7GI

75-8 Thackray RI, Bailey JP, Touchstone RM: Physiological, subjective, and performance correlates of reported boredom and monotony while performing a simulated radar control task. ADA025426/8GI

75-9 Smith RC, Rana B, Taylor DK: An evaluation of the effectiveness of the FAA Management Training School. ADA025254/4GI

75-10 Higgins EA, Chiles WD, McKenzie JM, Iampietro PF, Winget CM, Funkhouser GE, Burr MJ, Vaughan JA, Jennings AE: The effects of a 12-hour shift in the wake-sleep cycle on the physiological and biochemical responses and on multiple-task performance. ADA021518/GGI

75-11 Tobias JV: Earplug ratings based on the protector-attenuation rating (P-AR). ADA024756/9GI

75-12 Hasbrook AH, Rasmussen PG, Willis DM: Pilot performance and heart rate during in-flight use of a compact instrument display. ADA021519/4GI

75-13 Reynolds HM, Allgood MA: Functional strength of commercial-airline stewardesses. ADA021836/2GI

75-14 Higgins EA, Chiles WD, McKenzie JM, Iampietro PF, Vaughan JA, Funkhouser GE, Burr MJ, Jennings AE, West G: The effects of dextroamphetamine on physiological responses and complex performance during sleep loss. ADA021520/2GI

1976

76-1 Jennings AE, Chiles WD: An investigation of time-sharing ability as a factor in complex performance. ADA031881/GGA

76-2 Smith RC, Melton CE: Effects of ground trainer use on the psychological and physiological states of students in private pilot training. ADA024704/9GI

76-3 Tobias JV: Massed versus distributed practice in learned improvement of speech intelligibility. ADA024705/GGI

76-4 Constant GN, Grimm EJ, Goulden DR, Murcko LE: Aviation medicine translations: Annotated bibliography of recently translated material. IX. ADA031492/2GA

76-5 Vaughan JA, Welsh KW: Visual evaluation of smoke-protective devices. ADA031493/0GI

76-6 Cobb BB Jr, Young CL, Rizzuti BL: Education as a factor in the selection of air traffic controller trainees. ADA031880/8GI

76-7 Dille JR, Booze CF Jr: Accident experience of civilian pilots with static physical defects. ADA029431/4GI

76-8 Reighard HL: Aviation medicine. ADA032558/9GI

76-9 Young JW, Reynolds HM, McConville JT, Snyder RG, Chandler RF: Development and evaluation of masterbody forms for 3- and 6-year-old-child dummies. ADA037547/7GI

76-10 Dark SJ: Characteristics of medically disqualified airman applicants in calendar years 1973 and 1974. ADA032603/3GI

76-11 Higgins EA, Chiles WD, McKenzie JM, Funkhouser GE, Burr MJ, Jennings AE, Vaughan JA: Physiological, biochemical, and multiple-task-performance responses to different alterations of the wake-sleep cycle. ADA033889/7GI

76-12 Collins WE: Some effects of sleep deprivation on tracking performance in static and dynamic environments. ADA033331/0GI

76-13 Melton CE Jr, Smith RC, McKenzie JM, Hoffmann SM, Saldivar JT: Stress in air traffic controllers: Effects of ARTS-III. ADA034752/GGI

76-14 Lentz JM, Collins WE: Three studies of motion sickness susceptibility. ADA036284/8GI

76-15 McKenzie JM: The aeromedical significance of sickle-cell trait. ADA038466/9Gl

1977

77-1 Murcko LE, Dille JR: Index to FAA Office of Aviation Medicine Reports: 1961 through 1976. ADA037234/2GI

77-2 Welsh KW, Vaughan JA, Rasmussen PG: Survey of cockpit visual problems of senior pilots. ADA037587/3GI

77-3 Lategola MT, Flux M, Lyne PJ: Spirometric assessment of potential respiratory impairment in general aviation airmen. ADA038296/0

77-4 Valdez CD: Ten-year survey of altitude chamber reactions using the FAA training chamber flight profiles. ADA03723/9GI

77-5 Saldivar JT, Hoffmann SM, Melton CE: Sleep in air traffic controllers. ADA038297/8GI

77-6 Gerathewohl SJ: Psychophysiological effects of aging: Developing a functional age index for pilots: I. A survey of the pertinent literature. ADA04032/0GI

77-7 Welsh KW, Rasmussen PG, Vaughan JA: Intermediate visual acuity of presbyopic individuals with and without distance and bifocal lens corrections. ADA038538/5GI

77-8 Hanneman GD, Higgins EA, Price GT, Funkhouser GE, Grape PM, Snyder L: A study of effects of hyperthermia on large, short-haired male dogs: A simulated air transport environmental stress. ADA040432/7GI

77-9 Crane CR, Sanders DC, Endecott BR, Abbott JK, Smith PW: Inhalation toxicology: I. Design of a small-animal test system. II. Determination of the relative toxic hazards of 75 aircraft cabin materials. ADA043646/9GI

77-10 Booze CF Jr: An epidemiologic investigation of occupation, age, and exposure in general aviation accidents. ADA040978/9GI

77-11 Blethrow JG, Garner JD, Lowrey DL, Busby DE, Chandler RF: Emergency escape of handicapped air travelers. ADA043269/0GI

77-12 Mertens HW: Perceived orientation of a runway model in nonpilots during simulated night approaches to landing. ADA044553/GGI

77-13 Welsh KW, Rasmussen PG, Vaughan JA: Readability of alphanumeric characters having various contrast levels as a function of age and illumination mode. ADA044554/4GI

77-14 Welsh KW, Rasmussen PG, Vaughan JA: Refractive error characteristics of early and advanced presbyopic individuals. ADA044555/1GI

77-15 Chiles WD: Objective methods for developing indices of pilot workload. ADA044556/9GI

77-16 Lategola MT, Flux M, Lyne PJ: Altitude tolerance of general aviation pilots with normal or partially impaired spirometric function. ADA044557/7GI

77-17 Higgins EA, Chiles WD, McKenzie JM, Davis AW Jr, Funkhouser GE, Jennings AE, Mullen SR, Fowler PR: Effects of lithium carbonate on performance and biomedical functions. ADA044824/1GI

77-18 Thackray RI, Bailey JP, Touchstone RM: The effect of increased monitoring load on vigilance performance using a simulated radar display. ADA044558/5GI

77-19 Smith PW, Robinson CP, Zelenski JD, Endecott BR: The role of monamine oxidase inhibition in the acute toxicity of chlordimeform. ADA045507/1GI

77-20 Dille JR, Booze CF: The 1975 accident experience of civilian pilots with static physical defects. ADA045429/8GI

77-21 Smith RC, Hutto GL: Job attitudes of airway facilities personnel. ADA04641/3GI

77-22 Revzin AM: Functional localization in the nucleus rotundus. ADA047717/4GI

77-23 Melton CE, Smith RC, McKenzie JM, Wicks SM, Saldivar JT: Stress in air traffic personnel: Low-density towers and flight service stations. ADA046826/4GI

77-24 Collins WE, Hasbrook AH, Lennon AO, Gay DJ: Disorientation training in FAA-certificated flight and ground schools: a survey. ADA047718/2GI

77-25 Dailey JT, Pickrel EW: Development of new selection tests for air traffic controllers. ADA049049/0GI

1978

78-1 McFadden EB, (Ed.): Flotation and survival equipment studies. ADA051869/GGI

78-2 Revzin AM: Effects of ethanol on visual unit activity in the thalamus. ADA05092/4GI

78-3 Pollard DW, Garner JD, Blethrow JG, Lowrey DL: Passenger flow rates between compartments: Straight-segmented stairways, spiral stairways, and passageways with restricted vision and changes of attitude. ADA05148/1GI

78-4 deSteiguer D, Pinski MS, Bannister JR, McFadden EB: Aircrew and passenger protective breathing equipment studies. ADA05100/4GI

78-5 Higgins EA, Lategola MT, Melton CE: Three reports relevant to stress in aviation personnel. ADA051690/GGI

78-6 Chandler RF, Trout EM: Evaluation of seating and restraint systems and anthropomorphic dummies conducted during fiscal year 1976. ADA051691/4GI

78-7 Lewis MA: Use of the occupational knowledge test to assign extra credit in selection of air traffic controllers. ADA05367/5GI

78-8 Friedberg W, Neas BR, Faulkner DN, Hanneman GD, Darden EB Jr: Radiobiological aspects of high altitude flight: Relative biological effectiveness of fast neutrons in suppressing immune capacity to an infective agent. ADA05320/4GI

78-9 McFadden EB: Human respiratory considerations for civil transport aircraft system. ADA053223/4GI

78-10 Boone J0: The relationship of predevelopmental “150” training with noncompetitively selected air traffic control trainees to FAA Academy success. ADA055009/5GI

78-11 Thackray RI, Touchstone RM, Bailey JP: A comparison of the vigilance performance of men and women using a simulated radar task. ADA053674/8GI

78-12 Chandler RF, Trout EM: Child restraint systems for civil aircraft. ADA053565/8GI

78-13 Kirkham WR, Collins WE, Grape PM, Simpson JM, Wallace TF: Spatial disorientation in general aviation accidents. ADA053230/9GI

78-14 Young JW, Pinski MS: Three-dimensional anthropometry of the adult face. ADA054938/GGI

78-15 Mertens HW: Comparison of the visual perception of a runway model in pilots and nonpilots during simulated night landing approaches. ADA054450/2GI

78-16 Gerathewohl SJ: Psychophysiological effects of aging: Developing a functional age index for pilots: II. Taxonomy of psychological factors. ADA054356/1GI

78-17 Rasmussen PG, Welsh KW, Vaughan JA: Comparative readability of enroute low altitude charts with and without terrain depiction. ADA054796/8GI

78-18 Melton CE, McKenzie JM, Saldivar JT, Wicks SM: Experimental attempts to evoke a differential response to different stressors. ADA054795/0GI

78-19 Higgins EA, Chiles WD, McKenzie JM, Jennings AE, Funkhouser GE, Mullen SR: The effects of altitude and two decongestant-antihistamine preparations on physiological functions and performance. ADA054793/5GI

78-20 Lategola MT, Davis AW Jr, Lyne PJ, Burr MJ: Cardiorespiratory assessment of decongestant-antihistamine effects on altitude, +Gz, and fatigue tolerances. ADA055089/7GI

78-21 Booze CF: The morbidity experience of air traffic control personnel, 1967-1977. ADA056053/26I

78-22 Welsh KW, Vaughan JA, Rasmussen PG: Aeromedical implications of the X-Chrom lens for improving color vision deficiencies. ADA054794/3GI

78-23 Garner JD, Chandler RF, Cook EA: GPSS computer simulation of aircraft passenger emergency evacuations. ADA056098/7GI

78-24 Chandler RF, Trout EM: Evaluation of seating and restraint systems and anthropomorphic dummies conducted during fiscal year 1977. ADA056905/3GI

78-25 Dark SJ, Davis AW Jr: Characteristics of medically disqualified airman applicants in calendar years 1975 and 1976. ADA058158/7GI

78-26 Robinson CP, Beiergrohslein D, Smith PW, Crane CR: Reactions of methamidophos with mammalian cholinesterases. ADA058683/4GI

78-27 Gerathewohl SJ: Psychophysiological effects of aging: Developing a functional age index for pilots: III. Measurement of pilot performance. ADA062501/2GA

78-28 Welsh KW, Rasmussen PG, Vaughan JA: Visual performance assessment through clear and sunscreen-treated windows. ADA059750/0GA

78-29 Welsh KW, Vaughan JA, Rasmussen PG: Conspicuity assessment of selected propeller and tail rotor paint schemes. ADA061875/1GA

78-30 McKenzie JM: Assessment of factors possibly contributing to the susceptibility of sickle trait erythrocytes to mild hypoxia. ADA056200/9GI

78-31 Lacefield DJ, Roberts PA, Blossom CW: Agricultural aviation versus other general aviation: Toxicological findings in fatal accidents. ADA060110/4GA

78-32 Smith RC: As evaluation of four MTS recurrent training courses. ADA061519/5GA

78-33 Chiles WD, Jennings AE: Time-sharing ability in complex performance: An expanded replication. ADA061879/3GA

78-34 Chiles WD, Jennings AE, Alluisi EA: The measurement and scaling of workload in complex performance. ADA061725/8GA

78-35 Reighard HL, Dailey JT: Task force deterrence of air piracy-final report. ADA076457/1

78-36 Boone J0, Lewis MA: The development of the ATC selection battery: A new procedure to make maximum use of available information when correcting correlations for restriction in range due to selection. ADA066131/2GA

78-37 Jennings AE: A method to evaluate performance reliability of individual subjects in laboratory research applied to work settings. ADA063731/4GA

78-38 Eighth Bethesda Conference of the American College of Cardiology Washington D.C. April 25-26 1975: Cardiovascular problems associated with aviation safety. ADA066184/3GA

78-39 Rose RM, Jenkins CD, Hurst MW: Air traffic controller health change study. Boston University School of Medicine. ADA063709/0GA

78-40 Melton CE, McKenzie JM, Wicks SM, Saldivar JT: Stress in air traffic controllers: A restudy of 32 controllers 5 to 9 years later. ADA065767/6GA

78-41 Vaughan JA, Welsh KW, Rasmussen PG: The optical properties of smoke-protective devices. ADA064678/6GA

1979

79-1 Index to FAA Office of Aviation Medicine Reports: 1961 through 1978. ADA067983/7GA

79-2 Snow CC, Hartman S, Giles E, Young FA: Sex and race determination of crania by calipers and computer: A test of the Giles and Elliot discriminant functions in 52 forensic cases. ADA065448/36A

79-3 Lewis MA: A comparison of three models for determining test fairness. ADA066586/9GA

79-4 Lewis MF, Mertens HW: Pilot performance during simulated approaches and landings made with various computer-generated visual glidepath indicators. ADA066220/5GA

79-5 Tobias JV, Kidd GD Jr: Accoustic signals for emergency evacuation. ADA066113/2.A

79-6 Pollard DW: Injuries in air transport emergency evacuations. ADA069372/1GA

79-7 Collins WE, Chiles WD: Laboratory performance during acute intoxication and hangover. ADA069373/9GA

79-8 Lategola MT, Trent CC: A lower body negative pressure box for +Gz simulation in the upright seated position. ADA069326/7GA

79-9 Schroeder DJ, Collins WE: Effects of congener and noncongener alcoholic beverages on a clinical ataxia battery. ADA069375/4GA

79-10 Higgins EA, McKenzie JM, Funkhouser GE, Mullen SR: Effects of propranolol on time of useful function (TUF) in rats. ADA068535/4GA

79-11 Smith RC: A comparison of the job attitudes and interest patterns of air traffic and airway facility personnel. ADA067826/8GA

79-12 Thackray RI, Touchstone RM: Visual search performance during simulated radar observation with and without a sweepline. ADA068020/7GA

79-13 McFadden EB, (Ed.): Oxygen equipment and rapid decompression studies. ADA070285/2GA

79-14 Boone J0, Lewis MA: The selection of air traffic control specialists: Two studies demonstrating methods to insure an accurate validity coefficient for selection devices. ADA068581/8GA

79-15 Revzin AM: Development of electrophysiological indices of neurological toxicity for organophosphate pesticides and depressant drugs. ADA070299/3GA

79-16 Tobias JV: Interstimulus interval as it affects temporary threshold shift in serial presentations of loud tones. ADA072006/0GA

79-17 Chandler RF, Trout EM: Evaluation of seating and restraint systems conducted during fiscal year 1978. ADA074881/4

79-18 Pickrel EW: Performance standards for pass-fail determinations in the national air traffic flight service station training program. ADA081066/3

79-19 Dille JR, Booze CF: The 1976 accident experience of civilian pilots with static physical defects. ADA07718919

79-20 Higgins EA, Lategola MT, McKenzie JM, Melton CE, Vaughan JA: Effects of ozone on exercising and sedentary adult men and women representative of the flight attendant population. ADA080045/8

79-21 Boone JO: Toward the development of a new selection battery for air traffic control specialists. ADA080065/6

79-22 Rasmussen PG, Garner JD, Blethrow JG, Lowrey DL: Readability of self-illuminated signs in a smoke-obscured environment. ADA081260/2

79-23 Pollard DW, Anderson JA, Melton RJ: A description of the Civil Aeromedical Institute airline cabin safety data bank: 1970-1976. ADA081155/4

79-24 Thackray RI, Touchstone RM: Effects of noise exposure on performance of a simulated radar task. ADA081065/5

79-25 Mertens HW: Runway image as a cue for judgment of approach angle. ADA080929/3

79-26 Collins WE: Performance effects of alcohol intoxication and hangover at ground level and at simulated altitude. ADA079439/6

1980

80-1 Thackray RI: Boredom and monotony as a consequence of automation: A consideration of the evidence relating boredom and monotony to stress. ADA085069/3

80-2 Friedberg W, Neas BR (Eds.): Cosmic radiation exposure during air travel. ADA084801/0

1981

81-9 Booze CF Jr: Prevalence of selected pathology among currently certified active airman. ADA103397/6

81-10 Kirkham WR: Improving the crashworthiness of general aviation aircraft by crash injury investigations. ADA103316/6

81-11 Hanneman GD: Factors related to the welfare of animals during transport by commercial aircraft. ADA106226/4

81-12 Thackray RI, Touchstone RM: Age-related differences in complex monitoring performance. ADA106225/6

81-13 Melton CE, McKenzie JM, Wicks SM, Saldivar JT: Fatigue in flight inspection field office (FIFO) flight crews. ADA106791/7

81-14 Dille JR, Booze CF Jr: The prevalence of visual deficiencies among 1979 general aviation accident airmen. ADA106489/8

81-15 Collins WE, Mastrullo AR, Kirkham WR, Taylor DK, Grape PM: An analysis of civil aviation propeller-to-person accidents: 1965-1979. ADA105365/1

81-16 Collins WE, Schroeder DJ, Elam GW: A comparison of some effects of three antimotion sickness drugs on nystagmic responses to angular accelerations and to optokinetic stimuli. ADA107947/4

1982

82-1 Thackray RI, Touchstone RM: Performance of air traffic control specialists (ATCS's) on a laboratory radar monitoring task: An exploratory study of complacency and a comparison of ATCS and non-ATCS performance ADA118239/3

82-2 Boone J0: A generic model for evaluation of the Federal Aviation Administration air traffic control specialist training programs. ADA106379/1

82-3 Lategola MT, Lyne PJ, Burr MJ: Alcohol-induced physiological displacements and their effects on flight-related functions. ADA115473/1

82-4 Lategola MT, Lyne PJ, Burr MJ: Effects of prior physical exertion on tolerance to hypoxia, orthostatic stress, and physical fatigue. ADA114741/2

82-5 Lategola MT, Flux M: Evaluation of cardiopulmonary factors critical to successful emergency perinatal air transport. ADA114743/8

82-6 Mertens HW, Lewis MF: Effects of approach lighting and variation in visible runway length on perception of approach angle in simulated night landings. ADA114742/0

82-7 Kirkham WR, Wicks SM, Lowrey DL: Crashworthiness studies: Cabin, seat, restraint, and injury findings in selected general aviation accidents. ADA114878/2

82-8 Pollard DW, Folk ED, Chandler RF: Flight attendant injuries: 1971-1976. ADA114909/5

82-9 Reynolds HM, Snow CC, Young JW: Spatial geometry of the human pelvis. ADA118238/5

82-10 Higgins EA, Mertens HW, McKenzie JM, Funkhouser GE, White MA, Milburn NJ: The effects of physical fatigue and altitude on physiological, biochemical, and performance responses. ADA122796/6

82-11 Rock DB, Dailey JT, Ozur H, Boone JO, Pickrel EW: Selection of applicants for the air traffic controller occupation. ADA122795/8

82-12 Friedberg W, Faulkner DN, Snyder L: Transport index limits for shipments of radioactive material in passenger-carrying aircraft. ADA122794/1

82-13 Kirkham WR, Wicks SM, Lowrey DL: G incapacitation in aerobatic pilots: A flight hazard. ADA123757/7

82-14 Norwood G, Jordan JL: Regulatory aviation medicine: Its philosophies and limitations. ADA124043/1

82-15 Lacefield DJ, Roberts PA, Grape PM: Carbon monoxide in-flight incapacitation: An occasional toxic problem in aviation. ADA123849/2

82-16 Thackray RI, Touchstone RM: Performance of 40- to 50-year- old subjects on a radar monitoring task: The effects of wearing bifocal glasses and interpolated rest periods on target detection time. ADA123843/5

82-17 Melton CE: Physiological stress in air traffic controllers: A review. ADA123853/4

82-18 Boone JO: Functional aging in pilots: An examination of a mathematical model based on medical data on general aviation pilots. ADA123756/9

82-19 Schroeder DJ, Collins WE, Elam GW: Effects of some motion sickness suppressants on tracking performance during angular accelerations. ADA123839/3

1983

83-1 Dille JR, Haraway A: Index to FAA Office of Aviation Medicine Reports: 1961 through 1982. ADA127463/8

83-2 McKenzie JM, Higgins EA, Fowler PR, Funkhouser GE, White MA, Moser E: Sensitivity of some tests for alcohol abuse: Findings in nonalcoholics recovering from intoxication. ADA126138/7

83-3 Coltman JW: Design and test criteria for increased energy-absorbing seat effectiveness. ADA1280125/5

83-4 Mertens HW, McKenzie JM, Higgins EA: Some effects of smoking withdrawal on complex performance and physiological responses. ADA126551/1

83-5 Dark SJ: Characteristics of medically disqualified airline pilots. ADA127429/9

83-6 VanDeventer AD, Taylor DK, Collins WE, Boone JO: Three studies of biographical factors associated with success in air traffic control specialist screening/training at the FAA Academy. ADA128784/6

83-7 Schroeder DJ, Deloney JR: Job attitudes toward the new maintenance concept of the Airway Facilities Service. ADA133282/4

83-8 Kirkham WR, Wicks SM, Lowrey DL: Crashworthiness: An illustrated commentary on occupant survival in general aviation accidents. ADA130198/5

83-9 Boone JO: Radar Training Facility initial validation. ADA133220/4

83-10 deSteiguer D, Saldivar JT: An analysis of potential breathing devices intended for use by aircraft passengers. ADA132648/7

83-11 Pickrel EW, Convey JJ: Color perception and ATC job performance. ADA132649/5

83-12 Crane CR, Sanders DC, Endecott BR, Abbott JK: Inhalation toxicology: III. Evaluation of thermal degradation products from aircraft and automobile engine oils, aircraft hydraulic fluid, and mineral oil. ADA133221/2

83-13 Thackray RI, Touchstone RM: Rate of initial recovery and subsequent radar monitoring performance following a simulated emergency involving startle. ADA133602/3

83-14 deSteiguer D, Saldivar JT, Higgins EA, Funkhouser GE: The objective evaluation of aircrew protective breathing equipment: V. Mask/goggles combinations for female crewmembers. ADA134912

83-15 Mertens HW, Higgins EA, McKenzie JM: Age, altitude, and workload effects on complex performance. ADA133594/2

83-16 Young JW, Chandler RF, Snow CC, Robinette KM, Zehner GF, Lofberg MS: Anthropometric and mass distribution characteristics of the adult female. ADA135316

83-17 Schroeder DJ, Goulden DR: A bibliography of shift work research: 1950-1982. ADA135644

83-18 Dille JR, Booze CF, Jr: The 1980 and 1981 accident experience of civil airmen with selected visual pathology. ADA134898

1984

84-1 Pollard DW, Steen JA, Biron WJ, Cremer RL: Cabin safety subject index. ADA140409

84-2 Sells SB, Dailey JT, Pickrel EW: Selection of air traffic controllers. ADA147765

84-3 Booze CF Jr, Simcox LS: Blood pressure levels of active pilots compared with those of air traffic controllers. ADA146645

84-4 Lategola MT, Davis AW Jr, Gilcher RO, Lyne PJ, Burr MJ: Aviation-related cardiorespiratory effects of blood donation in female private pilots. ADA148045

84-5 Hanneman GD, Sershon JL: Tolerance endpoint for evaluating the effects of heat stress in dogs. ADA148104

84-6 VanDeventer AD, Collins WE, Manning CA, Taylor DK, Baxter NE: Studies of poststrike air traffic control specialist trainees: I. Age, biographic factors, and selection test performance related to Academy training success. ADA147892

84-7 Dille JR, Harris JL: Efforts to improve aviation medical examiner performance through continuing medical education and annual performance reports. ADA148078

84-8 Booze CF Jr: Health examination findings among active civil airmen. ADA148325

84-9 Dark SJ: Medically disqualified airline pilots. ADA149454

1985

85-1 Pollard DW, Steen JA, Penland T: Federal Aviation Regulations Part 135 cabin safety subject index. ADA156946

85-2 Melton CE: Physiological responses to unvarying (steady) and 2-2-1 shifts: Miami International Flight Service Station. ADA155751

1986

1987

1988

88-1 Thackray RI, Touchstone RM: An evaluation of the effects of high visual taskload on the separate behaviors involved in complex monitoring performance. ADA190641

88-2 Collins WE, Mertens HW: Age, alcohol, and simulated altitude: Effects on performance and breathalyzer scores. ADA190642

88-3 Manning CA, Kegg PS, Collins WE: Studies of poststrike air traffic control specialist trainees: II. Selection and Screening. ADA199177

88-4 Thackray RI: Performance recovery following startle: a laboratory approach to the study of behavioral response to sudden aircraft emergencies. ADA199827

88-5 Clough DL: Airway science curriculum demonstration project: Summary of initial evaluation findings. ADA201995

1989

89-1 Thackray RI, Touchstone RM: A comparison of detection efficiency on an air traffic control monitoring task with and without computer aiding. ADA206422

89-2 Booze CF Jr: Prevalence of disease among active civil airmen. ADA206050

89-3 Colangelo EJ, Russell JC: Injuries to seat occupants of light airplanes. ADA207579

89-4 Crane CR, Sanders DC, Endecott, BR: Inhalation toxicology: IX. Times-to-incapacitation for rats exposed to carbon monoxide alone, to hydrogen cyanide alone, to mixtures of carbon monoxide and hydrogen cyanide. ADA208195

89-5 Higgins EA, Vant JHB: Operation Workload - A study of passenger energy expenditure during an emergency evacuation. ADA209234

89-6 Manning CA, Della Rocco PS, Bryant KD: Prediction of success in FAA air traffic control field training as a function of selection and screening test performance. ADA209327

89-7 Collins WE, Schroeder DJ, Nye LG: Relationships of anxiety scores to Academy and field training performance of air traffic control specialists. ADA209326

89-8 Higgins EA, McLean GA, Lyne PJ, Funkhouser GE, Young JW: Performance evaluation of the Puritan-Bennett crewmember portable protective breathing device as prescribed by portions of FAA Action Notice A-8150.2. ADA210882

89-9 Shepherd WT, Parker JF Jr: Human factors issues in aircraft maintenance and inspection. ADA215 724

89-10 Schlegel TT, Higgins EA, McLean GA, Lyne PJ, England HM, Atocknie PA: Comparison of protective breathing equipment performance at ground level and 8,000 feet altitude using parameters prescribed by portions of FAA Action Notice A-8150.2. ADA212852

89-11 Higgins EA, McLean GA, Lyne PJ, Funkhouser GE, Young JW: Evaluation of the Scott Aviation portable protective breathing device for contaminant leakage as prescribed by FAA Action Notice A-8150.2. ADA216799

89-12 McLean GA, Higgins EA, Lyne PJ: The effects of wearing passenger protective breathing equipment on evacuation times through type III and type IV emergency aircraft exits in clear air and smoke. ADA216798

89-13 Melton CE: Airliner cabin ozone: an updated review. ADA233156.

89-14 Rasmussen PB, Chittum CG: The influence of adjacent seating configurations on egress through a type III emergency exit. ADA218393

1990

90-1 Collins WE, Wayda ME, Baxter NE: Index of FAA Office of Aviation Medicine Reports: 1961 through 1989. AD-221414

90-2 Myers JG: Management assessment: implications for development and training. ADA219178

90-3 Thackray RI, Touchstone RM: Effects of monitoring under high and low taskload on detection of flashing and colored radar targets. ADA220313

90-4 Collins WE, Nye LG, Manning CA: Studies of poststrike air traffic control specialist trainees: III. Changes in demographic characteristics of Academy entrants and biodemographic predictors of success in air traffic controller selection and Academy screening. ADA223480

90-5 Downey LE, Dark SJ: Medically disqualified airline pilots in calendar years 1987 and 1988. ADA224512

90-6 Manning CA, Schroeder DJ: Pilot views of Montgomery County, Texas automated FSS services. ADA227484

90-7 Hudson LS, Booze CF Jr Davis AW: Right bundle branch block as a risk factor for subsequent cardiac events. ADA226596

90-8 Schroeder DJ, Dollar CS, Nye LG: Correlates of two experimental tests with performance in the FAA Academy air traffic control nonradar screen program. ADA226419

90-9 Mertens HW: Evaluation of functional color vision requirements and current color vision screening tests for air traffic control specialists. ADA227436

90-10 Nakagawara VB: The use of contact lenses in the civil airman population. ADA227450

90-11 Gowdy V: Development of a crashworthy seat for commuter aircraft. ADA227486

90-12 Valdez CD: The FAA altitude chamber training flight profile: A survey of altitude reactions - 1965-1989. ADA230057

90-13 Della Rocco PS, Manning CA: Selection of air traffic controllers for automated systems: applications from current research. ADA230058

90-14 Parker JF Jr, Shepherd WT, Co-editors: Second Federal Aviation Administration meeting on human factors issues in aircraft maintenance and inspection: Information exchange and communications. ADA230270

90-15 Crane CR, Sanders DC, Endecott BR: Inhalation toxicology: X. Times to incapacitation for rats exposed continuously to carbon monoxide, acrolein, to carbon monoxide-acrolein mixtures. ADA230639

90-16 Sanders DC, Endecott BR: Inhalation toxicology: XI. The effect of elevated temperature on carbon monoxide toxicity. ADA231185

1991

91-1 Nakagawara VB: The effect of simulated altitude on the visual fields of glaucoma patients and the elderly. ADA233167

91-2 Hordinsky JR, George, MH: Utilization of emergency medical kits by air carriers. ADA234784

91-3 Hordinsky JR, George MH: Response capability during civil air carrier inflight medical emergencies. ADA235526

91-4 Broach D: Flight service specialist initial qualifications course: Content validation of FAA Academy course 50232. ADA237126

91-5 Myers JG, Stutzman TM: Job task-competency linkages for FAA first-level supervisors. ADA236695

91-6 Funkhouser GE, Fairlie GW: Donning times and flotation characteristics of infant life preservers: Four representative types. ADA237120

91-7 Turner JW, Huntley MS Jr: The use and design of flightcrew checklists and manuals. ADA237206

91-8 Nye LG, Collins WE: Some personality characteristics of air traffic control specialist trainees: Interactions of personality and aptitude test scores with FAA Academy success and career expectations. ADA238027

91-9 Wing H, Manning CA: Selection of air traffic controllers: Complexity, requirements, and public interest. ADA238267

91-10 Witt LA, Myers JG: Two studies on participation in decision-making and equity among FAA personnel. ADA239907

91-11 Witt LA, Broach D: Exchange ideology as a moderator of the procedural justice-satisfaction relationship. ADA239908

91-12 McLean GA, Wilcox B.C, Canfield DV: Selection criteria for alcohol detection methods. ADA240441

91-13 Turner JW, Huntley MS Jr: Civilian training in high-altitude flight physiology. ADA241296

91-14 Nakagawara VB, Loochan FK, Wood KJ: The prevalence of aphakia in the civil airman population. ADA214032

91-15 Witt LA, Hellman CM: Cross-level inferences of job satisfaction in the prediction of intent to leave. ADA242779

91-16 Shepherd WB, Johnson WB, Druray CG, Taylor JC, Berninger D: Human factors in aviation maintenance. Phase 1: Progress report. ADA243844

91-17 Sanders DC, Endecott BS, Chaturvedi AK: Inhalation toxicology: XII. Comparison of toxicity rankings of six polymers in lethality and by incapacitation in rats. ADA244599

91-18 Broach D: Air traffic control specialists in the Airway Science Curriculum Demonstration Project 1984-1990: Third summative evaluation. ADA244128

1992

92-1 Collins WE, Wayda ME: Index of FAA Office of Aviation Medicine Reports: 1961 through 1991. ADA245509

92-2 Friedberg W, Snyder L, Faulkner DN: Radiation exposure of air carrier crewmembers II. ADA245508

92-3 Thackray RI: Human factors evaluation of the work environment of operators engaged in the inspection and repair of aging aircraft. ADA246445

92-4 May ND: Exposures from headset interference tones. ADA247175

92-5 Manning CA, Aul JC: Evaluation of an alternative method for hiring air traffic control specialists with prior military experience. ADA246587

92-6 Mertens HW, Thackray RI, Touchstone M: Effects of color vision deficiency on detection of color-highlighted targets in a simulated air traffic control display. ADA246586

92-7 Nye LG, Witt LA, Schroeder D: Confirmatory factor analysis of burnout dimensions: Correlations with job stressors and aspects of social support and job satisfaction ADA247699

92-8 Witt LA, Nye LG: Organizational goal congruence and job attitudes revisited. ADA247621

92-9 Witt LA, Nye LG: Gender, equity and job satisfaction. ADA246588

92-10 Nye LG, Witt LA: Dimensionality and construct validity of the Perceptions of Organizational Politics Scale (POPS). ADA247620

92-11 O'Donnell RD, Hordinsky JR, Madakasira S, Moise S, Warner D: A candidate automated test battery for neuropsychological screening of airmen: Design and preliminary validation. ADA247701

92-12 Revzin AM, Rasmussen PG: A new test of scanning and monitoring ability: Methods and initial results. ADA249123

92-13 Witt LA, Hellman C: Effects of subordinate feedback to the supervisor and participation in decision-making in the prediction of organizational support. ADA249125

92-14 Nakagawara VB, Loochan FK, Wood KJ: The prevalence of artificial lens implants in the civil airman population. ADA249125

92-15 Myers JG: Survey of aviation medical examiners: Information and attitudes about the pre-employment and pre-appointment drug testing program. ADA249124

92-16 Myers JG: A longitudinal examination of applicants to the air traffic supervisory identification and development program. ADA251879

92-17 Witt LA: Organizational politics, participation in decision-making, and job satisfaction. ADA251878

92-18 Wilcox BC, England HM Jr, McLean GA: Inward contaminant leakage tests of the S-Tron Corporation emergency escape breathing device. ADA251888

92-19 Teague SM, Hordinsky JR: Tolerance of beta blocked hypertensives during orthostatic and altitude stress. ADA249904

92-20 Gowdy V, DeWeese R: Evaluation of head impact kinematics for passengers seated behind interior walls. ADA252651

92-21 Witt LA: Procedural justice, occupational identification, and organizational commitment. ADA252493

92-22 England HM Jr, Wilcox BC Jr, McLean GA: Comparisons of molecular sieve oxygen concentrators for potential medical use aboard commercial aircraft. ADA253648

92-23 White VL, Canfield DV, Hordinsky JR: The identification and quantitation of triamterene in blood and urine from a fatal aircraft accident. ADA254550

92-24 Canfield DV, Kupiec TC, Huffine EF: Postmortem alcohol production in fatal aircraft accidents. ADA254680

92-25 Huffine EF, Canfield DV: Enhancement of drug detection and identification by use of various derivatizing reagents on GC-FTIR analysis. ADA254679

92-26 Manning CA, Broach D: Identifying ability requirements for operators of future automated air traffic control systems. ADA256615

92-27 McLean GA, Chittum CB, Funkhouser GE, Fairlie GW, Folk EW: Effects of seating configuration and number of type III exits on emergency aircraft evacuation. ADA255754

92-28 Mertens HW, Milburn NJ: Performance of color-dependent tasks of air traffic control specialists as a function of type and degree of color vision deficiency. ADA255794

92-29 Mertens HW, Milburn NJ: Validity of clinical color vision tests for air traffic control specialists. ADA258219

92-30 Della Rocco PS, Milburn N, Mertens H: Comparison of performance on the Shipley Institute of Living scale, air traffic control specialist selection test, and FAA Academy screen. ADA259249

92-31 OU Vortac, Edwards MB, Jones JP, Manning CA, Rotter AJ: En route air traffic controllers' use of flight progress strips: A graph-theoretic analysis. ADA259062

1993

93-1 Rodgers MD, Drechsler GK: Conversion of the CTA, Inc, en route operations concepts database into a formal sentence outline job task taxonomy. ADA261921

93-2 Collins WE: A review of civil aviation propeller-to-person accidents: 1980-1989. ADA260695

93-3 Antuñano MJ: Index of international publications in aerospace medicine. ADA262908

93-4 Schroeder DJ, Broach D, Young WC: Contribution of personality to the prediction of success in initial air traffic control specialist training. ADA264699

93-5 Galaxy Scientific Corporation: Human factors in aviation maintenance - Phase Two progress report. ADA264367

93-6 Wilcox B Jr, McLean G, England H Jr: Comparison of portable crewmember protective breathing equipment (CPBE) designs. ADA265362

93-7 Sanders DC, Endecott BR, Ritter RM, Chaturvedi AK: Variations of time-to-incapacitation and carboxyhemoglobin values in rats exposed to two carbon monoxide concentrations. ADA266109

93-8 Chaturvedi AK, Endecott BR, Ritter RM, Sanders DC: Variations in time-to-incapacitation and blood cyanide values for rats exposed to two hydrogen cyanide gas concentrations. ADA265924

93-9 Rodgers MD, Blanchard RE: Accident proneness: A research review. ADA266032

93-10 Young JW: Head and face anthropometry of adult US citizens. ADA268661

93-11 Nakagawara VB, Wood KJ: Aviation accident risk for airmen with aphakia and artificial lens implants. ADA268389

93-12 Rodgers MD: SATORI: Situation assessment through the re-creation of incidents. ADA268390

93-13 Gilliland K, Schlegel RE: Readiness to perform testing: A critical analysis of the concept and current practices. ADA269397

93-14 Armenia-Cope R, Marcus JH, Gowdy RV, DeWeese RL: An assessment of the potential for neck injury due to padding of aircraft interior walls for head impact protection. ADA270509

93-15 Galaxy Scientific Corp: Human factors in aviation maintenance - Phase three, volume 1 progress report. ADA270508

93-16 Milburn NJ, Mertens HW: Validation of an inexpensive test illuminant for aeromedical color vision screening. N94-14854

93-17 Mertens HW, Milburn NJ: Validity of FAA-approved color vision tests for Class II and Class III aeromedical screening. N94-14846

93-18 Hellman CW, Witt LA: Factors associated with continuance commitment to FAA matrix teams. ADA274561

93-19 McLean GA, Smith LT, Hill TJ, Rubenstien CJ: Physiological correlates of stress-induced decrements in human perceptual performance. ADA274240

93-20 Prinzo OV, Britton TW: ATC/pilot voice communications - A survey of the literature. ADA274457

93-21 Nakagawara VB, Wood KJ, Montgomery RW: Vision impairment and corrective considerations of civil airmen. ADA275508

93-22 Rodgers MD (ed.): An examination of the operational error database for air route traffic control centers. ADA275986

1994

94-1 Collins WE, Wayda ME: Index of FAA Office of Aviation Medicine Reports: 1961 through 1993. ADA275913

94-2 Witt AW: Perceptions of organizational support and affectivity as predictors of job satisfaction. ADA277047

94-3 OU Vortac, Edwards MB, Fuller DK, Manning CA: Automation and cognition in air traffic control: An empirical investigation. ADA277057

94-4 Broach D, Brecht-Clark J: Validation of the Federal Aviation Administration air traffic control specialist pre-training screen. ADA277549

94-5 Blanchard RE, Vardaman JJ: Human factors in airway facilities maintenance: Development of a prototype outage assessment inventory. N94-26136

94-6 Schroeder DJ, Touchstone RM, Stern JA, Stoliarov N, Thackray R: Maintaining vigilance on a simulated ATC monitoring task across repeated sessions. ADA278792

94-7 Sanders DC, Chaturvedi AK, Endecott BR, Ritter RM, Vu N: Toxicity of carbon monoxide-hydrogen cyanide gas mixtures: Exposure concentration, time-to-incapacitation, carboxyhemoglobin, and blood cyanide parameters. N94-29919

94-8 Rasmussen P, Revzin A: Scanning and monitoring performance can be affected by the reinforcement values of the events being monitored. N94-29918

94-9 Broach D, Manning CA: Validity of the air traffic control specialist nonradar screen as a predictor of performance in radar-based air traffic control training. ADA279745

94-10 Garner RP, Wilcox BC, England HM, Nakagawara VB: Effects of cold exposure on wet aircraft passengers: A review. ADA280253

94-11 Marcus JE: A review of computer evacuation models and their data needs. ADA280707

94-12 Galaxy Scientific Corp: Human factors in aviation maintenance - Phase 3, Vol. 2 progress report. ADA283287

94-13 Nye LG, Schroeder DJ, Dollar CS: Relationships of Type A behavior with biographical characteristics and training performance of air traffic control specialists. ADA283813

94-14 Canfield DV, Flemig J, Hordinsky JR, Veronneau SJH: Unreported medications used in incapacitating medical conditions found in fatal civil aviation accidents. ADA284233

94-15 Nakagawara VB, Montgomery RW, Wood KJ: The applicability of commercial glare test devices in the aeromedical certification of pilot applicants. ADA284232

94-16 White VL, Canfield DV, Hordinsky JR: Elimination of quinine in two subjects after ingestion of tonic water: An exploratory study. ADA284760

94-17 Stern JA, Boyer D, Schroeder DJ: Blink rate as a measure of fatigue: A review. ADA284779

94-18 Endecott BR, Sanders DC, Chaturvedi AK: Simultaneous gas-chromatographic determination of four toxic gases generally present in combustion gas atmospheres. ADA285666

94-19 Gowdy V: The performance of child restraint devices in transport airplane passenger seats. ADA285624

94-20 Hilton Systems, Inc: Age 60 rule research, Part I: Bibliographic database. N95-13019

94-21 Hyland DT, Kay EJ, Deimler JD, Gurman EB: Age 60 rule research, Part II: Airline pilot age and performance: A review of the scientific literature. ADA286246

94-22 Kay EJ, Harris RM, Voros RS, Hillman DJ, Hyland DT, Deimler JD: Age 60 rule research, Part III: Consolidated database experiments final report. ADA286247

94-23 Hyland DT, Kay EJ, Deimler JD: Age 60 rule research, Part IV: Experimental evaluation of pilot performance. N95-13199

94-24 Holloway FA: Low-dose alcohol effects on human behavior and performance: An update on post-1984 studies. N95-14863

94-25 Williams KW, Ed: Summary proceedings of the joint industry-FAA conference on development and use of PC-based aviation training devices. N95-14917

94-26 Stern JA, Boyer D, Schroeder DJ, Touchstone RM, Stoliarov N: Blinks, saccades, and fixation pauses during vigilance task performance. ADA290600

94-27 Endsley M, Rodgers MD: Situation awareness information requirements analysis for en route air traffic control. ADA289649

1995

95-1 Collins WE: A review of civil aviation fatal accidents in which "lost/disoriented" was a cause/factor. ADA290944

95-2 Parker JF Jr, Shepherd WT: Development of an intervention program to encourage shoulder harness use and aircraft retrofit in general aviation: Phases I and II. ADA290966

95-3 Harris HC, Schroeder DJ, Collins WE: The effects of age and low doses of alcohol on compensatory tracking during angular acceleration. N95-23934

95-4 Edwards MB, Fuller DK, OU Vortac, Manning CA: The role of flight progress strips in en route air traffic control: A time-series analysis. ADA291152

95-5 Besco RO, Sangal SP, Nesthus TE, Veronneau SJH: A longevity and survival analysis for a cohort of retired airline pilots. ADA292060

95-6 Williams KW, Blanchard RE: Qualification guidelines for personal computer-based aviation training devices: Instrument rating. ADA292961

95-7 Schroeder DJ, Harris HC, Collins WE, Nesthus TE: Some performance effects of age and low blood alcohol levels on a computerized neuropsychological test. ADA292324

95-8 Chaturvedi AK, Sanders DC: Aircraft fires, smoke toxicity, and survival: An overview. ADA292919

95-9 OU Vortac, Edwards MB, Manning CA: Functions of external cues in prospective memory. ADA291932

95-10 Myers JG: Enhancing the effects of diversity awareness training: A review of the research literature. ADA293933; N95-26361

95-11 Nakagawara VB, Montgomery RW, Wood KJ: An assessment of aviation accident risk for aphakic civil airmen by class of medical certificate held and by age. ADA293407

95-12 Cruz CE, Della Rocco PS: Sleep patterns in air traffic controllers working rapidly-rotating shifts: A field study. ADA294159; N95-26204

95-13 Mertens HW, Milburn NJ, Collins WE: Practical color vision tests for air traffic control applicants: En Route, Center, and Terminal facilities. ADA294560; N95-27323

95-14 Shepherd WT, Galaxy Scientific Corp: Human factors in aviation maintenance - Phase IV progress report. N95-27696

95-15 Prinzo OV, Hendrix A, Britton TW: Development of a coding form for approach control/pilot voice communications. N95-28540

95-16 Rodgers MD, Drechsler GK: Conversion of the TRACON operations concepts database into a formal sentence outline job task taxonomy. N95-28819

95-17 Garner RP: The potential for pulmonary heat injury resulting from the activation of a cabin water spray system to fight aircraft cabin fires. N95-29224

95-18 Rodgers M (Ed): A human factors evaluation of the operational demonstration flight inspection aircraft. N95-29365

95-19 Della Rocco PS, Cruz CE: Shift work, age and performance: Investigation of the 2-2-1 shift schedule used in air traffic control facilities I: The sleep/wake cycle. N95-29261

95-20 Funkhouser GE, George MH: Alternative methods for flotation seat cushion use. N95-29448

95-21 Hartel CEJ, Hartel GF: Controller resource management-What can we learn from aircrews? ADA297386

95-22 McLean GA, George MH, Chittum CB, Funkhouser GE: Aircraft evacuations through type-III exits I: Effects of seat placement at the exit. ADA297286

95-23 Boyer DJ: The relationship among eye movements, head movements, and manual responses in a simulated air traffic control task. ADA298753

95-24 O'Donnell R: The effect of alcohol and fatigue on an FAA readiness-to-perform test. ADA299076

95-25 McLean GA, George MH: Aircraft evacuations through type-III exits II: Effects of individual subject differences. ADA299237

95-26 Chaturvedi AK, Canfield DV: Role of metabolites in aviation forensic toxicology. ADA299212

95-27 Hunter DR: Airmen research questionnaire: Methodology and overall results. ADA300583

95-28 Canfield DV, Flemig JW, Hordinsky JR, Birky M: Drugs and alcohol found in fatal civil aviation accidents between 1989 and 1993. ADA302527

95-29 Mandella JG Jr, Garner RP: An economical alternative for the secondary container used for transporting infectious disease substances. ADA302648

95-30 DeWeese RL: An experimental abdominal pressure measurement device for child ATDs. ADA302651

95-31 Layton CF, Shepherd WT: Results of a field study of the performance enhancement system: A support system for aviation safety inspectors. ADA303336

95-32 Schroeder DJ, Rosa RR, Witt LA: Some effects of 8- vs. 10-hour work schedules on the test performance/alertness of air traffic control specialists. ADA302810

1996

96-1 Collins WE, Wayda ME: Index of FAA Office of Aviation Medicine Reports: 1961 through 1995. ADA3040263

96-2 Shepherd WT, Galaxy Scientific Corp: Human factors in aviation maintenance: Phase V progress report. ADA304262

96-3 Baker SP, Lamb MW, Li G, Dodd RS: Crashes of instructional flights: Analysis of cases and remedial approaches. ADA304890

96-4 Garner RP: Performance of a continuous flow passenger oxygen mask at an altitude of 40,000 ft. N96-22217

96-5 Albright CA, Truitt TR, Barile AB, OU Vortac, Manning CA: How controllers compensate for the lack of flight progress strips. ADA305305

96-6 Morrison JE, Fotouhi CH, Broach D: A formative evaluation of the collegiate training initiative-Air Traffic Control Specialist Program. ADA305307

96-7 Marcus J: Determination of effective thoracic mass. ADA306061

96-8 Williams KW: Qualification guidelines for personal computer-based aviation training devices: Instrument rating. ADA306206

96-9 Stern JA, Boyer D, Schroeder DJ, Touchstone RM, Stoliarov N: Blinks, saccades and fixation pauses during vigilance task performance: II. Gender and time of day. ADA307024

96-10 Kanki BG (Editor), Prinzo OV (Co-Editor): Methods and metrics of voice communications. ADA307148

96-11 Marcus JH: Dummy and injury criteria for aircraft crashworthiness. ADA308948

96-12 Nakagawara VB, Coffey JD, Montgomery RW: Ophthalmic requirements and considerations for the en route air traffic control specialist: An ergonometric analysis of the visual work environment. N96-25681

96-13 Young WC, Broach D, Farmer WL: Differential prediction of FAA Academy performance on the basis of gender and written Air Traffic Control Specialist aptitude test scores. ADA308354

96-14 Kupiec TC, Canfield DV, White VL: The analysis of benzodiazepines in forensic urine samples. ADA309377

96-15 Beringer DB: Use of off-the-shelf PC-based flight simulators for aviation human factors research. ADA309237

96-16 Beringer DB, Harris HC Jr: A comparison of the effects of navigational display formats and memory aids on pilot performance. ADA309382

96-17 Canfield D, White V, Soper J, Kupiec T: A comprehensive drug screening procedure for urine using HPLC, TLC, and mass spectroscopy. ADA309962

96-18 McLean GA, George MH, Funkhouser GE, Chittum CB: Aircraft evacuations onto escape slides and platforms I: Effects of passenger motivation. ADA311257

96-19 Kirkbride LA, Jensen RS, Chubb GP, Hunter DR: Developing the personal minimums tool for managing risk during preflight go/no-go decisions. ADA313639

96-20 Prinzo OV, Maclin O: Aviation topics speech acts taxonomy (ATSAT) pc user's guide version 2.0. ADA314179

96-21 Collins WE, Dollar CS: Fatal general aviation accidents involving spatial disorientation: 1976-1992. ADA313864

96-22 Mertens HW, Milburn NJ, Collins WE: A further validation of the practical color vision test for enroute air traffic control applicants. ADA314600

96-23 Della Rocco P, Cruz C: Shift work, age, and performance: Investigation of the 2-2-1 shift schedule used in air traffic control facilities II: Laboratory performance measures. ADA315493

96-24 Bailey L, Shaw R: Flight inspection crew resource management training needs analysis. ADA316691

96-25 Veronneau SJH, Mohler SR, Pennybaker AL, Wilcox BC, Sahiar F: Survival at high altitudes: Wheel-well passengers. ADA317375

96-26 Prinzo OV, Maclin O: An analysis of approach control/pilot voice communications. ADA317528

96-27 Nakagawara VB, Wood KJ: The use of task-specific lenses by presbyopic air traffic controllers at the en route radar console. ADA320284

1997

97-1 Collins WE, Wayda ME: Index of FAA Office of Aviation Medicine Reports: 1961 through 1996. ADA322331

97-2 DeJohn CA, Veronneau SJH, Hordinsky JR: Inflight medical care: An update. ADA322708

97-3 Driskill WE, Weissmuller JJ, Quebe J, Hand DK, Dittmar MJ, Hunter DR: The use of weather information in aeronautical decision-making. ADA323543

97-4 Young WC, Broach D, Farmer WL: The effects of video game experience on computer-based Air Traffic Control Specialist, air traffic scenario test scores. ADA322774

97-5 Gilliland K, Schlegel RE: A laboratory model of Readiness-to-Perform testing: Learning rates and reliability analyses for candidate testing measures. ADA323620

97-6 Kochan JA, Jensen RS, Chubb GP, Hunter DR: A new approach to aeronautical decision-making: The expertise method. ADA323793

97-7 Nesthus TE, Garner RP, Mills SH, Wise RA: Effects of simulated general aviation altitude hypoxia on smokers and nonsmokers. ADA323899

97-8 Thompson RC, Hilton TF, Witt LA: Where the safety rubber meets the shop floor: A confirmatory model of management influence on workplace safety. ADA324677

97-9 Nesthus TE, Rush LL, Wreggit SS: Effects of mild hypoxia on pilot performance at general aviation altitudes. ADA324719

97-10 Milburn NJ, Mertens HW: Evaluation of a range of target blink amplitudes for attention-getting value in a simulated air traffic control display. ADA326465

97-11 Taylor HL, Lintern G, Hulin CL, Talleur D, Emanuel T, Phillips S: Transfer of training effectiveness of personal computer-based aviation training devices. ADA325887

97-12 Thompson RC, Hilton TF, Behn LD: Baseline assessment of the National Association of Air Traffic Specialists/Federal Aviation Administration partnership. ADA326753

97-13 Endsley MR, Rodgers MD: Distribution of attention, situation awareness, and workload in a passive air traffic control task: Implications for operational errors and automation. ADA328997

97-14 Kupiec TC, Chaturvedi AK: Stereochemical determination of selegiline metabolites in postmortem biological specimens. ADA329026

97-15 Broach D, Manning CA: Review of air traffic controller selection: An international perspective. ADA328993

97-16 Hunter DR: An evaluation of safety seminars. ADA329009

97-17 Schroeder DJ, Dollar CS: Personality characteristics of pre/post-strike air traffic control applicants. ADA328998

97-18 Marcus JH: A flexible cabin simulator. ADA328996

97-19 Broach D: Designing selection tests for the future National Airspace System architecture. ADA329231

97-20 Court MC, Marcus JH: Use of object-oriented programming to simulate human behavior in emergency evacuation of an aircraft's passenger cabin. ADA329462

97-21 Salazar GJ, DeJohn CA, Hansrote RW, Key OR: Bloodborne pathogens in aircraft accident investigation. ADA340366

97-22 Gronlund SD, Dougherty MRP, Ohrt DD, Thomson GL, Bleckley MK, Bain DL, Arnell F, Manning CA: The role of memory in air traffic control. ADA340263

97-23 Driskill WE, Weissmuller JJ, Hand DK, Hunter DR: The use of weather information in aeronautical decision-making: II. ADA340406

97-24 Beringer DB, Harris HC Jr: Automation in general aviation: Two studies of pilot responses to autopilot malfunctions. ADA340243

97-25 Gilliland K, Schlegel RE, Nesthus TE: Workshift and antihistamine effects on task performance. ADA340510

1998

98-1 Collins WE, Wayda ME: Index of FAA Office of Aviation Medicine Reports: 1961 through 1997. ADA339254

98-2 McLean GA, Chittum CB: Performance demonstrations of zinc sulfide and strontium aluminate photoluminescent floor proximity escape path marking systems. ADA339339

98-3 McLean GA, Palmerton DA, Chittum CB, George M. H, Funkhouser GE. Inflatable escape slide beam and girt strength tests: Support for revision of Technical Standard Order C-69b. ADA339410

98-4 Wolf MB, Garner RP: Effect of an airplane cabin water spray system on human thermal behavior: A theoretical study using a 25-node model of thermoregulation. ADA339365

98-5 Canfield DV, Smith MD, Adams HJ, Houston ER: Selection of an internal standard for postmortem ethanol analysis. ADA339340

98-6 Jensen RS, Guilkey JE, Hunter DR: An evaluation of pilot acceptance of the personal minimums training program for risk management. ADA340338

98-7 Driskill WE, Weissmuller JJ, Quebe J, Hand DK.; and Hunter DR: Evaluating the decision-making skills of general aviation pilots. ADA341118

98-8 Thompson RC, Agen RA, Broach DM: Differential training needs and abilities at air traffic control towers: Should all controllers be trained equally? ADA340829

98-9 Wreggit SS, Marsh DK II Cockpit integration of GPS: Initial assessment-menu formats and procedures. ADA341122

98-10 Sanders DC, Chaturvedi AK, Hordinsky JR, Aeromedical aspects of melatonin-An overview. ADA341726

98-11 Gowdy RV, DeWeese R: Evaluation of improved restraint systems for parachutists. ADA342643

98-12 Williams KW: GPS Design considerations: Displaying nearest airport information. ADA346043

98-13 Shehab RL, Schlegel RE, Palmerton DA: A human factors perspective on human external loads. ADA350729

98-14 Rodgers MD, Mogford RH, Mogford LS: The relationship of sector characteristics to operational errors. ADA350717

98-15 Mills SH: The combination of flight count and control time as a new metric of air traffic control activity. ADA350504

98-16 Gronlund SD, Ohrt DD, Dougherty MRP, Perry JL, Manning CA: Aircraft importance and its potential relevance to situation awareness. ADA350417

98-17 Prinzo OV: An analysis of voice communication in a simulated approach control environment. ADA350523

98-18 Chaturvedi AK, Vu NT, Ritter RM, Canfield DV: DNA profiling as an adjunct quality control/quality assurance in forensic toxicology. ADA379287

98-19 Cosper DK, McLean GA: Analysis of ditching and water survival training programs of major airframe manufacturers and airlines. PB99146839XSP

98-20 Prinzo OV, Lieberman P, Pickett E: An acoustic analysis of ATC communication. ADA353962

98-21 Canfield DV, Smith MD, Ritter RM, Chaturvedi AK: Preparation of carboxyhemoglobin standards and calculation of spectrophotometric quantitation constants. ADA379272

98-22 Broach D: Summative evaluation of the collegiate training initiative for air traffic control specialists program: Progress of Minnesota Air Traffic Control Training Center graduates in en route field training. ADA355085

98-23 Broach D (Editor): Recovery of the FAA Air Traffic Control specialist workforce, 1981-1992. ADA355135

98-24 Thompson RC, Bailey LL, Farmer WL: Predictors of perceived empowerment: An initial assessment. ADA355185

98-25 Nakagawara VB, Wood KJ: The aeromedical certification of photorefractive keratectomy in civil aviation: A reference guide. ADA382812

98-26 Durso FT, Truitt TR, Hackworth CA, Albright CA, Bleckley MK, Manning CA: Reduced flight progress strips in en route ATC mixed environments. ADA382818

98-27 Garner RP, Murphy RE, Hudgins CB, Mandella JG Jr: Performance of a portable oxygen breathing system at 25,000 feet altitude. ADA357729

98-28 Wickens CD, Ververs PM: Allocation of attention with head-up displays. ADA359344

1999

99-1 Collins WE, Wayda ME: Index of FAA Office of Aviation Medicine Reports: 1961 through 1998. ADA360592

99-2 Della Rocco PS, (Editor): The role of shift work and fatigue in air traffic control operational errors and incidents. ADA360730

99-3 Durso FT, Hackworth CA, Truitt TR, Crutchfield J, Nikolic D, Manning CA: Situation awareness as a predictor of performance in en route air traffic controllers. ADA360807

99-4 Garner RP: Concepts providing for physiological protection after aircraft cabin decompression in the altitude range of 60,000 to 80,000 feet above sea level. ADA360727

99-5 Gowdy V, George M, McLean GA: A comparison of buckle release timing for push-button and lift-latch belt buckles. ADA360725

99-6 Nakagawara VB, Wood KJ, Montgomery RW: Refractive surgery in the civil airman population by class of medical certificate and by aviation occupation. ADA361329

99-7 Rakovan L, Wiggins MW, Jensen RS, Hunter DR: A survey of pilots on the dissemination of safety information. ADA361233

99-8 Milburn NJ, Mertens HW: Optimizing blink parameters for highlighting an air traffic control situation display. ADA316258

99-9 Joseph K, Jahns D, Nendick M, St. George R: A usability survey of GPS avionics equipment: Some prelimary findings. ADA362193

99-10 McLean GA, George MH, Funkhouser GE, Chittum CB: Aircraft evacuations onto escape slides and platforms II: Effects of exit size. ADA362480

99-11 Chaturvedi AK: First seven years (1991-1998) of the FAA's postmortem forensic toxicology proficiency testing program. ADA362556

99-12 Pounds J, Bailey LL: Cognitive style and learning: Performance of Adaptors and Innovators in a novel dynamic task. ADA363458

99-13 Williams KW: GPS user-interface design problems. ADA363331

99-14 Vu NT, Chaturvedi AK, Canfield DV: Urinary genotyping for DQA1 and PM loci using PCR-based amplification: Effects of sample volume, storage temperature, preservatives, and aging on DNA extraction and typing. ADA363461

99-15 Lewis RJ, Huffine EF, Chaturvedi AK, Canfield DV, Mattson J: Formation of an interfering substance, 3,4-dimethyl-5-phenyl-1,3-oxazolidine, during a pseudoephedrine urinalysis. ADA363777

99-16 Broach D, Farmer WL, Young WC: Differential prediction of FAA Academy performance on the basis of race and written Air Traffic Control Specialist aptitude test scores. ADA363587

99-17 Joseph KM, Thompson RC, Bailey LL, Williams CA, Worley JA, Schroeder DJ: The influence of ergonomics interventions on employee stress and physical symptoms. ADA364891

99-18 Heil MC: An investigation of the relationship between chronological age and job performance for incumbent Air Traffic Control Specialists. ADA364893

99-19 Behn LD, Thompson RC, Hilton TF: Follow-up assessment of the Federal Aviation Administration's Logistics Center safety climate. ADA365569

99-20 Gilliland K, Schlegel RE, Nesthus TE: Effects of antihistamine, age, and gender on task performance. ADA366860

99-21 Morrow DG, Prinzo OV: Improving pilot/ATC voice communication in General Aviation. ADA367894

99-22 Milke RM, Becker JT, Lambrou P, Harris HC, Schroeder DJ: The effects of age and practice on aviation-relevant concurrent task performance. ADA367887

99-23 Heil MC: The relationship between ATCS age and cognitive test performance. ADA368670

99-24 Bailey LL, Broach DM, Thompson, RC, Enos RJ: Controller Teamwork Evaluation and Assessment Methodology: A Scenario Calibration Study. ADA370417

99-25 Worley JA, Bailey LL, Thompson RC, Joseph KM, Williams CA: Organizational communication and trust in the context of technology change. ADA370769

99-26 Williams KW: GPS user-interface design problems: II. ADA363331

99-27 Thompson RC, Bailey LL, Joseph KM, Worley JA, Williams CA: Organizational change: Effects of fairness perceptions on cynicism. ADA371588

99-28 Sirevaag EJ, Rohrbaugh JW, Stern JA, Vedeniapin AB, Packingham KD, LaJonchere CM: Multi-dimensional characterizations of operator state: A validation of oculomotor metrics.

99-29 Soper JW, Chaturvedi AK, Canfield DV: Prevalence of chlorpheniramine in aviation accident pilot fatalities, 1991-1996. ADA372538

99-30 Hynes MK: Frequency and costs of transport airplane precautionary emergency evacuations. ADA372580

2000

00-1 Collins WE, Wayda ME: Index to FAA Office of Aviation Medicine Reports: 1961 through 1999. ADA373794

00-2 Manning CA (Editor): Measuring Air Traffic Controller Performance in a High-Fidelity Simulation. ADA373813

00-3 Hilton TF, Hart IS, Farmer WL, Thompson JJ, Behn LD: The FAA Health Awareness Program: Results of the 1998 customer service assessment survey. ADA373761

00-4 Joseph KM, Jahns DW: Enhancing GPS receiver certification by examining pilot-performance databases. PB2001102907

00-5 Truitt TR, Durso FT, Crutchfield JM, Moertl P, Manning CA: Reduced posting and marking of flight progress strips for en route air traffic control. PB2001102908

00-6 Garner RP, Murphy RE, Donnelly SS, Thompson KE, Geiwitz KL: Testing the structural integrity of the Air Force's Emergency Passenger Oxygen System at altitude. PB2001102909

00-7 Shappell SA, Weigmann DA: The Human Factors Analysis and Classification System-HFACS. PB2001102910

00-8 Williams KW: Comparing text and graphics in navigation display design. ADA375445

00-9 Chaturvedi AK, Smith DR, Canfield DV: Blood carbon monoxide and cyanide concentrations in the fatalities of fire and non-fire associated civil aviation accidents. PB2001102911

00-10 Della Rocco PS, Comperatore C, Caldwell L, Cruz CE: The effects of napping on night shift performance. PB2001102912

00-11 Hynes MK: Evacuee injuries and demographics in transport airplane precautionary emergency evacuations. PB2001102913

00-12 Heil MC, Agnew BO: The effects of previous computer experience on Air Traffic-Selection and Training (AT-SAT) test performance. ADA377228

00-13 DeJohn CA, Veronneau SJH, Wolbrink AM, Larcher JG: The evaluation of in-flight medical care aboard selected U.S. air carriers: 1996 to 1997. ADA377878

00-14 Thompson RC, Joseph KM, Bailey LL, Worley JA, Williams CA: Organizational change: An assessment of trust and cynicism. PB2001102914

00-15 Russell CJ, Dean MA, Broach DM: Guidelines for bootstrapping validity coefficients in ATCS selection research. ADA379430

00-16 Vu NT, Chaturvedi AK, Canfield DV, Soper JW, Kupfer DM, Roe BA: DNA-based detection of ethanol-producing microorganisms in postmortem blood and tissues by polymerase chain reaction. ADA379226

00-17 Thompson RC, Bailey LL: Age and attitudes in the air traffic control specialist workforce: An initial investigation. ADA379286

00-18 Nakagawara VB, Veronneau SJH: A unique contact lens-related airline aircraft accident. ADA379287

00-19 Nakagawara VB, Wood KJ, Montgomery RW: Refractive surgery in aircrew members who fly for scheduled and non-scheduled civilian airlines. PB2001102915

00-20 Lewis RJ, Johnson RD, Blank CL: A novel method for the determination of sildenafil (Viagra®) and its metabolite in postmortem specimens using LC/MS/MS and LC/MS/MS. PB2001102916

00-21 Canfield DV, Hordinsky J, Millett DP, Endecott B, Smith D: Prevalence of drugs and alcohol in fatal civil aviation accidents between 1994 and 1998. ADA379272

00-22 Canfield DV, Chaturvedi AK, Boren HK, Veronneau SJH, White VL: Abnormal glucose levels found in transportation accidents. PB2001102917

00-23 Nakagawara VB, Montgomery RW: Gender differences in a refractive surgery population of civilian aviators. PB2001102918

00-24 Pfleiderer EM: Multidimensional scaling analysis of controllers' perceptions of aircraft performance characteristics. ADA382823

00-25 Bailey L, Thompson R: The effects of performance feedback on air traffic control team coordination: A simulation study. ADA382812

00-26 Schvaneveldt R, Beringer DB, Lamonica J, Tucker R, Nance C: Priorities, organization, and sources of information accessed by pilots in various phases of flight. ADA382818

00-27 Naff KC, Thompson RC: The impact of teams on the climate for diversity in government: The FAA experience. ADA382809

00-28 Bailey LL, Peterson LM, Williams KW, Thompson RC: Controlled flight into terrain: A study of pilot perspectives in Alaska. ADA382989

00-29 Lewis RJ, Southern TL, Cardona PS, Canfield DV, Garber M: Distribution of butalbital in biological fluids and tissues. PB2001102919

00-30 Mills, SH: The computerized analysis of ATC tracking data for an operational evaluation of CDTI/ADS-B technology. ADA385812

00-31 Williams K: Impact of aviation highway-in-the-sky displays on pilot situation awareness. ADA384535

00-32 Fiedler ER, Della Rocco PS, Schroeder DJ, Nguyen K: The relationship between aviators' home-based stress to work stress and self-perceived performance. ADA384889

00-33 Nicholas J, Copeland K, Duke F, Friedberg W, O'Brien K: Galactic cosmic radiation exposure of pregnant aircrew members II. ADA385597

00-34 Chaturvedi AK, Smith DR, Canfield DV: A fatality caused by hydrogen sulfide produced from an accidental transfer of sodium hydrosulfide into a tank containing iron sulfate and sulfuric acid. ADA385303

2001

01-1 Collins WE, Wayda ME: Index to FAA Office of Aviation Medicine Reports: 1961 Through 2000. ADA389987

01-2 McLean GA: Access to egress: A meta-analysis of the factors that control emergency evacuation through the transport airplane Type-III overwing exit. PB2001104655

01-3 Wiegmann DA, Shappell SA: A human error analysis of commercial aviation accidents using the Human Factors Analysis and Classification System (HFACS). ADA 387808

01-4 Farmer WL, Thompson RC, Heil SKR, Heil MC: Latent trait theory analysis of changes in item response anchors. ADA388056

01-5 Ramos RA, Heil MC, Manning CA: Documentation of validity for the ATSAT computerized test battery, Volume I. ADA389852

01-6 Ramos RA, Heil MC, Manning CA: Documentation of validity for the ATSAT computerized test battery, Volume II. ADA389898

01-7 Nakagawara VB, Montgomery RW: Laser pointers: Their potential affects on vision and aviation safety. ADA392899

01-8 Prinzo OV: Datalinked pilot reply time on controller workload and communication in a simulated terminal option. ADA391932

01-9 Prinzo OV: Innovations in pilot visual acquisition of traffic: New phraseology for Air Traffic Control operational communication.

01-10 Manning CA, Mills SH, Fox CM, Pfleiderer EM, Mogilka H: Investigating the validity of performance and objective workload evaluation research (POWER). ADA392932

01-11 Fiedler ER, Orme DR, Mills W, Patterson JC: Assessment of head-injured aircrew: Comparison of FAA and USAF procedures. ADA392805

01-12 White VL, Chaturvedi AK, Canfield DV, Garber M: Association of postmortem blood hemoglobin Alc levels with diabetic conditions in aviation accident pilot fatalities. ADA392942

01-13 Williams KW: Qualification guidelines for personal computerbased aviation training devices: Private pilot certificate. ADA396322

01-14 Nakagawara VB, Montgomery RW, Wood KJ: Aviation accidents and incidents associated with the use of ophthalmic devices by civilian pilots. ADA396122

01-15 Antuñano MJ, Wade K: Index of International Publications in Aerospace Medicine. ADA262908

01-16 Gronlund SD, Dougherty MRP, Durso FT, Canning JM, Mills SH: Planning in air traffic control. PB2002103420

01-17 Mejdal S, McCauley ME: Human factors design guidelines for multifunction displays. ADA399354

01-18 Corbett CL: Caring for precious cargo, Part I: Emergency aircraft evacuations with infants onto inflatable escape slides. ADA398987

01-19 Peterson LM, Bailey LL: Controller-to-controller communication and coordination taxonomy. PB2002103423

01-20 Bailey LL, Willems BF, Peterson LM: The effects of workload and decision support automation on enroute R-side and D-side communication exchanges. ADA399353

2002

02-1 Gronlund SD, Canning JM, Moertl PM, Johansson J, Dougherty MRP, Mills SH: An information tool for planning in air traffic control. ADA399806

02-2 Mills SH, Pfleiderer EM, Manning CA: POWER: Objective activity and taskload assessment in en route air traffic control. ADA401922

02-3 Uhlarik J, Comerford DA: A review of situation awareness literature relevant to pilot surveillance functions. ADA401774

02-4 Manning CA, Mills SH, Fox C, Pfleiderer E, Mogilka HJ: Using air traffic control taskload measures and communication events to predict subjective workload. ADA401923

02-5 Prinzo OV: Automatic dependent surveillance/broadcast-cockpit display of traffic information: Innovations in pilot-managed departures. PB2002107795

02-6 Nakagawara VB, Wood KJ, Montgomery RW: Contact lens use in the civil airman population. ADA404962

02-7 Beringer DB: Applying performance-controlled systems, fuzzy logic, and fly-by-wire controls to general aviation. ADA405731

02-8 Cruz C, Detwiler C, Nesthus T, Boquet A: A laboratory comparison of clockwise and counter-clockwise rapidly rotating shift schedules, Part I: Sleep. ADA402842

02-9 Broach D, Dollar C: Relationship of employee attitudes and supervisor-controller ration to en route operational error rates. ADA405141

02-10 Nakagawara VB, Montgomery RW, Wood KJ: The aviation accident experience of civilian airmen with refractive surgery. ADA428733

02-11 DeWeese R, Gowdy RV: Human factors associated with the certification of airplane seats: Seat belt adjustment and release. ADA404285

02-12 Pounds J, Isaac A: Development of an FAA-EUROCONTROL technique for the analysis of human error in ATM. ADA405379

02-13 Cruz C, Boquet A, Detwiler C, Nesthus T: A laboratory comparison of clockwise and counter-clockwise rapidly rotating shift schedules, Part II: Performance. ADA405385

2003

03-14 Dollar C, Broach D, Schroeder D: Personality characteristics of air traffic control specialists as predictors of disability retirement. ADA424266

03-15 Corbett CL, McLean GA, Whinnery JE: Access-to-Egress II: Subject management and injuries in a study of emergency evacuation through the Type-III exit. ADA423728

03-16 Friedberg W, Copeland K: What aircrews should know about their occupational exposure to ionizing radiation. ADA423589

03-17 Williams K, Ball J: Usability and effectiveness of advanced general aviation cockpit displays for instrument flight procedures. ADA423591

03-18 Johnson RD, Lewis RJ, Canfield DV, Blank, CL: Ethanol origin in postmortem urine: An LC/MS determination of serotonin metabolites. ADA423727

03-19 Pounds J, Ferrante A: FAA strategies for identifying and reducing operational error causal factors. ADA423665

03-20 King RE, Retzlaff PD, Detwiler C, Schroeder DJ, Broach D: Use of personality assessment measures in the selection of air traffic control specialists. ADA423269

03-21 Pounds J, Isaac A: Validation of the JANUS technique: Causal factors of human error in operational incidents. ADA423271

03-22 Chaturvedi AK, Cardona PS, Soper JW, Canfield DV: Distribution and optical purity of methamphetamine found in toxic concentration in a civil aviation accident pilot fatality. ADA423609

03-23 Lewis RJ, Johnson RD, Angier MK, Ritter RM, Drilling HS, Williams SD: Analysis of cocaine, its metabolites, prolysis products, and ethanol adducts in postmortem fluids and tissues using Zymark automated solid-phase extractions and gas chromatography-mass spectrometry. ADA423349

03-24 Cardona PS, Chaturvedi AK, Soper JW, Canfield DV: Simultaneous determination of cocaine, cocaethylene, and their possible pentafluoropropylated metabolites and pryolysis products by gas chromatography/mass spectrometry. ADA423601

2004

04-1 Vu NT, Zhu H, Owuor ED, Huggins ME, White VL, Chaturvedi AK, Canfield DV, Whinnery JE: Isolation of RNA from peripheral blood cells: A validation study for molecular diagnostics by microassay and kinetic RTC-PCR assays—Application in aerospace medicine. ADA428748

04-2 McLean GA, Corbett CL: Access-to-egress III: Repeated measurement of factors that control the emergency evacuation of passengers through the transport airplane Type-III overwing exit. ADA423562

04-3 Garner RP, Ultrecht JS: Performance criteria for development of extended use protective breathing equipment. ADA423233

04-4 Johnson RD, Lewis RJ, Angier MK, Vu NT: The formation of ethanol in postmortem tissues. ADA423300

04-5 Beringer DB, Ball JD: The effects of NEXRAD graphical data resolution and direct weather viewing on pilot's judgments of weather severity and their willingness to continue a flight. ADA423239

04-6 Nakagawara VB, Montgomery RW, Wood KJ: Demographics and vision restrictions in civilian pilots: Clinical implications. ADA423237

04-7 Garner RP, Wong KL, Ericson SC, Baker AJ, Orzechowski JA: CFD validation for contaminant transport in aircraft cabin ventilation flow fields. ADA423999

04-8 Broach D: Methodological issues in the study of airplane accident rates by pilot age: Effects of accident and pilot inclusion criteria and analytic strategy. ADA423237

04-9 Nakagawara VB, Montgomery RW, Dillard AE, McLin LN, Connor CW: The effects of laser illumination on operational and visual performance of pilots during final approach. ADA425392

04-10 Milburn NJ: A historical review of color vision standards for automated flight service station air traffic control specialists. ADA426278

04-11 Prinzo OV: Automatic Dependent Surveillance-Broadcast/Cockpit Display of Traffic Information: Innovations in aircraft navigation on the airport surface. ADA427908

04-12 McLean GA, Palmerton DA, Corbett CL, Larcher KG, McDown JR: Simulated evacuations into water. ADA427908

04-13 Johnson RD, Lewis RJ, Canfield DV, Dubowski KM, Blank CL: Accurate assignment of ethanol origin in postmortem urine: A case study. ADA427914

04-14 Milburn NJ, Mertens HW: Predictive validity of the aviation lights test for testing pilots with color vision deficiencies. ADA428358

04-15 Angier MK, Lewis RJ, Chaturvedi AK, Canfield DV: Gas chromatographic/mass spectrometric differentiation of atenolol, metoprolol, propanolol, and an interfering metabolite product of metoprolol. ADA428964

04-16 DeJohn CA, Wolbrink AM, Larcher JG: In-flight medical incapacitation and impairment of U.S. airline pilots: 1993 to 1998.

04-17 Xing J: Measures of information complexity and the implications for automation design. ADA428690

04-18 DeWeese R, Moorcroft D: Evaluation of a head injury criteria component test device. ADA428692

04-19 McLean GA, Cosper DK: Availability of passenger safety information for improved survival in aircraft accidents. ADA372580

04-20 Williams KW, Ball JD: Usability and effectiveness of advanced general aviation cockpit displays for visual flight procedures. ADA423591

04-21 Dollar CS, Schroeder DJ: A longitudinal study of Myers-Briggs personality types in air traffic controllers. PB2005103900

04-22 Hackworth CA, Cruz CE, Goldman S, Jack DG, King SJ, Twohig P: Employee attitudes within the Federal Aviation Administration. ADA460092

04-23 Hackworth CA, Cruz CE, Jack DG, Goldman S, King SJ: Employee attitudes within the air traffic organization. PB2005103902

04-24 Williams K: A summary of unmanned aircraft accident/incident data: Human factors implications. ADA460102

2005

05-1 Collins WE, Wayda ME, Wade K: Index to FAA Office of Aerospace Medicine Reports: 1961 through 2004. ADA460101

05-2 Corbett CL: Caring for precious cargo, Part II: Behavioral techniques for emergency aircraft evacuations with infants through the Type III overwing exit. ADA460057

05-3 Collins WE, Wade KJ: A milestone of aeromedical research contributions to civil aviation safety: The 1000th report in the CARI/OAM series. ADA460106

05-4 Xing J, Manning CA: Complexity and automation displays of air traffic control: Literature review and analysis. ADA460107

05-5 Bailey L, Schroeder DJ, Pounds J: The Air Traffic Control Operational Errors Severity Index: An initial evaluation. ADA460573

05-6 Broach D: Review of the scientific basis for the mandatory separation of an ATCS at Age 56. ADA460056

05-7 Knecht WR, Harris H, Shappell S: The influence of visibility, cloud ceiling, financial incentive, and personality factors on general aviation pilots' willingness to take off into marginal weather: Part I. The data and preliminary conclusions. ADA460734

05-8 Wang SM, Lewis RJ, Canfield D, Lio TL, Liu RH: Enantiomeric analysis of epedrines and norephedrines. ADA460874

05-9 Canfield DV, Chaturvedi AK, Dubowski KM: Interpretation of carboxyhemoglobin and cyanide concentrations in relation to aviation accidents. ADA460835

05-10 Johnson RD, Lewis RJ: Simultaneous quantitation of atenolol, metoprolol, and propranolol in biological matrices via LC/MS. ADA460843

05-11 Johnson RD, Lewis RJ, Hattrup RA: Poppy seed consumption or opiate use: The determination of thebaine and opiates of abuse in postmortem fluids and tissues. ADA460858

05-12 Beringer DB, Harris HC Jr: A comparison of baseline hearing thresholds between pilots and non-pilots and the effects of engine noise. ADA460838

05-13 King SJ, Cruz CE, Jack DG, Thomas S, Hackworth CA: 2003 Employee Attitude Survey: Analysis of employee comments. ADA460830

05-14 Copeland K, Sauer HH, Friedberg W: Solar radiation alert system. ADA460733

05-15 Knecht WR: Pilot willingness to take off into marginal weather, Part II: antecedent overfitting with forward stepwise logistic regression. ADA460841

05-16 Pfleiderer EM: Relationship of the aircraft mix index with performance and objective workload evaluation research measures and controllers' subjective complexity ratings. ADA460790

05-17 Palmerton D: Fatality and injury rates for two types of rotorcraft accidents. ADA460769

05-18 Garner RP, Mandella JG Jr: Reliability of the gas supply in the air force emergency passenger oxygen system. ADA460831

05-19 Prinzo OV: Terminal radar approach control: Measures of voice communications system performance. ADA460833

05-20 Chaturvedi AK, Craft KJ, Canfield DV, Whinnery JE: Epidemiology of toxicological factors in civil aviation accident pilot fatalities, 1999-2003. ADA460798

05-21 Nakagawara VB, Montgomery RW, Good GW: Medical surveillance programs for aircraft maintenance personnel performing nondestructive inspection and testing. ADA460862

05-22 Broach D, Schroeder D: Relationship of air traffic control specialist age to en route operational errors. ADA460816

05-23 Beringer DB, Ball JD, Brennan K, Taite S: Comparison of a typical electronic attitude-direction indicator with terrain-depicting primary flight displays for performing recoveries from unknown attitudes: Using difference and equivalence tests. ADA460873

05-24 Wiegmann D, Faaborg T, Boquet A, Detwiler C, Holcomb K, Shappell S: Human error and general aviation accidents: A comprehensive, fine-grained analysis using HFACS. ADA460866

05-25 Scarborough A, Bailey LL, Pounds J: Examining ATC operational errors using the Human Factors Analysis and Classification System. ADA460879

2006

06-1 Antuñano MJ, Baisden DL, Davis J, Hastings J, Jennings R, Jones D, Jordan JL, Mohler S, Ruehle C, Salazar GJ, Silberman WS, Scarpa P, Tilton FE, Whinnery JE: Guidance for medical screening of commercial aerospace passengers. ADA460819

06-2 Xing J, Schroeder D: Re-examination of color vision standards, Part I: Status of color use in ATC displays and demography of color-deficit controllers. ADA460875

06-3 Johnson RD, Lewis RJ: Identification of Sildenafil (Viagra®) and Its metabolite (UK-103,320) in six aviation fatalities. ADA460880

06-4 Goldman SM, Manning C, Pfleiderer E: Static sector characteristics and operational errors. ADA460882

06-5 Johnson RD, Lewis RJ, Whinnery JE, Forster EM: Aeromedical aspects of aircraft-assisted pilot suicides in the U.S., 1993-2002. ADA460820

06-6 Xing J, Schroeder DJ: Reexamination of color vision standards, Part II. A computational method to assess the effect of color deficiencies in using ATC displays. ADA463063

06-7 Detwiler C, Hackworth C, Holcomb K, Boquet A, Pfleiderer E, Wiegmann D, Shappell, S: Beneath the tip of the iceberg: A human factors analysis of general aviation accidents in Alaska vs. the rest of the United States. ADA460891

06-8 Williams KW: Human factors implications of unmanned aircraft accidents: Flight control problems. ADA460892

06-9 Nakagarwara VB, Wood KJ, Montgomery RW: New refractive surgery procedures and their implications for aviation safety. ADA460896

06-10 Shaffstall RM, Garner RP, Bishop J, Cameron-Landis L, Eddington DL, Hau G, Spera S, Mielnik T, Thomas JA: Vaporized hydrogen peroxide (VHP®) decontamination of a section of a Boeing 747 cabin. ADA460897

06-11 Xing J: Reexamination of color vision standards, Part III: Analysis of the effect of color vision deficiencies in using ATC displays. ADA460956

06-12 Canfield DV, Salazar GJ, Lewis RJ, Whinnery JE: Comparison of pilot medical history and medications found in postmortem specimens. ADA461233

06-13 Nesthus TE, Cruz C, Hackworth C, Boquet A: An assessment of commuting risk factors for air traffic control specialists. ADA460857

06-14 Kupfer DM, Huggins M, Cassidy B, Vu N, Burian D, Canfield D: A rapid and inexpensive PCR-based STR genotyping method for identifying forensic specimens. ADA460885

06-15 Xing J: Color and visual factors in ATC displays. ADA460886

06-16 Dattel AR, King RE: Reweighing AT-SAT to mitigate group score differences. ADA461242

06-17 Johnson RD, Lewis RJ, Angier MK: The LC/MS quantitation of Vardenafil (Levitra®) in postmortem biological specimens. ADA460865

06-18 Shappell SA, Detwiler CA, Holcomb KA, Hackworth CA, Boquet AJ, Wiegmann DA: Human error and commercial aviation accidents: A comprehensive, fine-grained analysis using HFACS. ADA463865

06-19 Caldwell DC, Lewis RJ, Shaffstall RM, Johnson RD: Sublimation rate of dry ice packaged in commonly used quantities by the air cargo industry. ADA461451

06-20 Pounds J, Rodgers MD, Thompson D, Jack DG: Developing temporal markers to profile operational errors. ADA461407

06-21 Schroeder D, Bailey L, Pounds J, Manning C: A human factors review of the operational error literature. ADA461408

2007

07-21 Nesthus T, Schroeder D, Connors M, Rentmeister-Bryant H, DeRoshina C: Flight attendant fatigue. ADA471470

07-22 Canfield DV, Brink JD, Johnson RD, Lewis RJ, Dubowski KM: Postmortem ethanol testing procedures available to accident investigators. ADA473197

07-23 Liu RH, Wu CH, Chen YJ, Chang CD, Linville JG, Canfield DV: Intensity of the internal standard response as the basis for reporting a test specimen as negative or inconclusive. ADA473200

07-24 Cummings ML, Tsonsis C, Xing J: Investigating the use of color in timeline displays. ADA473201

07-25 Hackworth C, Holcomb K, Dennis M, Goldman S, Bates C, Schroeder D, Johnson W: An international survey of maintenance human factors programs. ADA475576

07-26 Xing J: Information complexity in air traffic control displays. ADA475598

07-27 Rogers RO, Boquet A, Howell C, DeJohn C: Preliminary results of an experiment to evaluate transfer of low-cost simulator-based airplane upset-recovery training. ADA475565

07-28 Pfleiderer E, Goldman S, Chidester T: Time series analyses of integrated terminal weather system effects on system airport efficiency ratings. ADA475572

07-29 Botch SR, Johnson RD: Antiemetics with concomitant sedative use in civil aviation pilot fatalities: From 2000 to 2006. ADA475599

07-30 Nadler E, Yost A, Kendra A: Use of traffic displays for general aviation approach spacing: A human factors study. ADA475604

2008

08-1 Peterman CL, Rogers PB, Véronneau SJH, Whinnery JE: Development of an aeromedical scientific information system for aviation safety. ADA477153

08-2 Gale WF, Gale HS, Watson J: Field evaluation of whole airliner decontamination technologies for narrow-body aircraft. ADA477159

08-3 Ball J: The impact of training on general aviation pilots' ability to make strategic weather-related decisions. ADA477162

08-4 Gale WF, Gale HS, Watson, J: Field evaluation of whole airliner decontamination technologies—wide-body aircraft with dual-use application for railcars. ADA477163

08-5 Burian D: Functional genomics group—Program description. ADA481081

08-6 Knecht WR: Use of weather information by general aviation pilots, Part I, quantitative: reported use and value of providers and products. ADA481118

08-7 Knecht WR: Use of weather information by general aviation pilots, Part II, qualitative: Exploring factors involved in weather-related decision making. ADA481119

08-8 Kupfer DM, Jenkins M, Burian D, Canfield DV: Use of alternative primers for gender discrimination in human forensic genotyping. ADA481070

08-9 Carretta TR, King RE: USAF enlisted air traffic controller selection: Examination of the predictive validity of the FAA air traffic selection and training battery versus training performance. ADA481110

08-10 Botch SR, Johnson RD: Drug usage in pilots involved in aviation accidents compared with drug usage in the general population: From 1990 to 2005. ADA481072

08-11 Botch SR, Chaturvedi AK, Canfield DV, Forster EM: Vitreous fluid and/or urine glucose concentrations in 1,335 civil aviation accident pilot fatalities. ADA482969

08-12 Detwiler C, Holcomb K, Hackworth C, Shappell S: Understanding the human factors associated with visual flight rules flight into instrument meteorological conditions. ADA482973

08-13 King RE, Schroeder DJ, Manning CA, Retzlaff PD, Williams CA: Screening air traffic control specialists for psychopathology using the Minnesota Multiphasic Personality Inventory-2. ADA482976

08-14 Nakagawara VB, Montgomery RW, Wood KJ: Laser illumination of aircraft by geographic location for a 3-year period (2004–2006). ADA482979

08-15 Nakagawara VB, Montgomery RW, Marshall WJ: Infrared radiation transmittance and pilot vision through civilian aircraft windscreens. ADA482971

08-16 Bailey L, Pounds J, Scarborough A: En route operational errors: Transfer of position responsibility as a function of time on position. ADA485496

08-17 Scarborough A, Bailey L, Pounds J: Analyzing vehicle operator deviations. ADA485664

08-18 Xing J: Designing questionnaires for controlling and managing information complexity in visual displays. ADA 488605

08-19 Prinzo OV, Campbell A: United States airline transport pilot international flight language experiences, Report 1: Background information and general/pre-flight preparation. ADA 488606

08-20 Corbett CL, McLean GA, Cosper DK: Effective presentation media for passenger safety I: Comprehension of briefing card pictorials and pictograms. ADA488828

08-21 Prinzo OV, Hendrix AM, Hendrix R: Pilot English language proficiency and the prevalence of communication problems at five U.S. air route traffic control centers. ADA488738

08-22 Botch SR, Johnson RD: Alcohol-related aviation accidents involving pilots with previous alcohol offenses. ADA 490324

08-23 Williams K: Documentation of sensory information in the operation of unmanned aircraft systems. ADA 490325

08-24 Chaturvedi AK, Craft KJ, Cardona PS, Rogers PB, Canfield DV: The second seven years of the FAA's postmortem forensic toxicology proficiency-testing program. ADA 490323

2009

09-1 Collins WE, Wayda ME: Index to FAA Office of Aerospace Medicine reports: 1961 through 2008. ADA494601

09-2 Prinzo OV, Hendrix AM, Hendrix R: The outcome of ATC message length and complexity on en route pilot readback performance. ADA494551

09-3 Johnson RD, Lewis RJ: Determination of etomidate in human postmortem fluids and tissues. ADA494608

09-4 Pfleiderer EM, Scroggins CL, Manning CA: Logistic regression analysis of operational errors and routine operations using sector characteristics. ADA494603

09-5 Rogers RO, Boquet A, Howell C, DeJohn C: An experiment to evaluate transfer of low-cost simulator-based upset-recovery training. ADA500290

09-6 Copeland K, Sauer HH, Friedberg W: Solar radiation alert system (revised 5/30/08). ADA500330

09-7 Rudnick SN, McDevitt JJ, First MW, Spengler JD: Inactivating influenza viruses on surfaces using hydrogen peroxide or triethylene glycol at low vapor concentrations. ADA500495

09-8 Chaturvedi A: Aerospace toxicology: An overview. ADA500317

09-9 Rogers PB, Véronneau SJH, Peterman CL, Whinnery JE, Forster EM: An analysis of the U.S. pilot population from 1983-2005: Evaluating the effects of regulatory change. ADA500291

09-10 Prinzo OV, Thomson A: The ICAO English language proficiency rating scale applied to enroute voice communication of U.S. and foreign pilots. ADA500318

09-11 Barbur J, Rodriguez-Carmona M, Evans S, Milburn N: Minimum color vision requirements for professional flight crew, Part III: Recommendations for new color vision standards. ADA505840

09-12 Canfield DV, Dubowski KM, Whinnery JE, Lewis RJ, Ritter RM: Increased cannabinoids concentrations found in specimens from fatal aviation accidents between 1997 and 2006. ADA504802

09-13 Nakagawara VB, Montgomery RW, Wood KJ: Evaluation of Next-Generation vision testers for aeromedical certification of aviation personnel. ADA504888

09-14 Ling C, Lopez M, Xing J: Validating information complexity questionnaires using travel Web sites. ADA504959

09-15 Botch SR, Johnson RD: Toxicological findings of pilots involved in aviation accidents operated under Title 14 CFR part 135. ADA506749

09-16 Chou SF, Overfelt RA, Gale WF, Gale HS, Shannon CG, Buschle-Diller G, Watson J: Effects of hydrogen peroxide on common aviation textiles. ADA506677

09-17 Leland R, Rogers RO, Boquet A, Glaser S: An experiment to evaluate transfer of upset-recovery training conducted using two different flight simulation devices. ADA506409

09-18 Loo SM, Owen M, Kiepert J, Planting CA, Pook M, Klein D, Jones B, Beneke J, Watson J: Modular, portable, and reconfigurable wireless sensing system for the aircraft cabin. ADA507607

09-19 Chaturvedi AK, Craft KJ, Kupfer DM, Burian D, Canfield DV: Application of DNA profiling in resolving aviation forensic toxicology issues. ADA510111

09-20 Avers KE, Hauck EL, Blackwell LV, Nesthus TE: Flight attendant fatigue, Part VI: Fatigue countermeasure training and potential benefits. ADA510458

09-21 Guzman L, Kupfer DM, Burian D: Testing miniSTR primers for addition to a PCR-based forensic specimen identification protocol. ADA510554

09-22 Banks JO, Avers KE, Nesthus TE, Hauck EL: Flight attendant fatigue, Part V: A comparative study of international flight attendant fatigue regulations and collective bargaining agreements. ADA510458

09-23 Chou SF, Sk MH, Sofyan NI, Overfelt RA, Gale WF, Gale JS, Shannon CG, Fergus JW, Watson J: Evaluation of the effects of hydrogen peroxide on common aviation structural materials. ADA518975

09-24 Avers KB, King SJ, Banks JO, Nesthus TE: Flight attendant fatigue, Part I: National duty, rest, and fatigue survey. ADA520848

09-25 Holcomb K, Avers K, Dobbins L, Banks J, Blackwell L, Nesthus T: Flight attendant fatigue, Part IV: Analysis of incident reports. ADA518945

2010

10-1 Knecht WR, Ball J, Lenz M: Effects of video weather training products, Web-based preflight weather briefing, and local vs. non-local pilots on general aviation pilot weather knowledge and flight behavior, Phase 1. ADA519022

10-2 Kupfer DM, White VL, Jenkins MC, Burian D: Examining smoking-induced differential gene expression changes in buccal mucosa. ADA518964

10-3 Williams CA, King RE: The effects of testing circumstance and education level on MMPI-2 correction scale scores. ADA518969

10-4 Johnson RD, Lewis RJ, Angier MK: False carbamazepine positives due to 10,11-dihydro-10-hydroxycarbamazepine breakdown in the GC/MS injector port. ADA518989

10-5 Loo SM, Kiepert J, Klein D, Pook M, Chou SF, Overfelt T, Watson J: Evaluation of the effects of hydrogen peroxide on common aircraft electrical materials. ADA518975

10-6 Knecht WR, Ball J, Lenz M: Effects of video weather training products, Web-based preflight weather briefing, and local vs. non-local pilots on general aviation pilot weather knowledge and flight behavior, Phase 2. ADA519023

10-7 Prinzo OV, Campbell A, Hendrix A, Hendrix R: United States airline transport pilot international flight language experiences, Report 2: Word meaning and pronunciation. ADA531040

10-8 Johnson RD: General unknown screening by ion trap LC/MS/MS. ADA530985

10-9 Prinzo OV, Campbell A, Hendrix A, Hendrix R: U.S. airline transport pilot international flight language experiences, Report 3: Language experiences in non-native english-speaking airspace/airports. ADA531087

10-10 Botch SR, Davidson MS, Ricaurte EM, Chaturvedi AK: Toxicological findings in 889 fatally injured obese pilots involved in aviation accidents. ADA531003

10-11 Botch SR, Johnson RD, Chaturvedi AK, Lewis RL: Distribution of oxycodone in postmortem fluids and tissues. ADA531004

10-12 Prinzo OV, Campbell A, Hendrix A, Hendrix R: U.S. airline transport pilot international flight language experiences, Report 4: Non-native English-speaking controllers communicating with native English-speaking pilots. ADA531041

10-13 Knecht WR, Lenz M: Causes of general aviation weather-related, non-fatal incidents: Analysis using NASA aviation safety reporting system data. ADA530988

10-14 Peterson LS, Haworth LA, Jones RC, Newman RL, McGuire RJ, Lambregts AA, McCloy T, Chidester TR: An international survey of transport airplane pilots' experiences and perspectives of lateral/directional control events and rudder issues in transport airplanes (rudder survey). ADA531000

10-15 Antuñano MJ, Wade K: Index of international publications in aerospace medicine. ADA534691

10-16 Shappell S, Hackworth C, Holcomb K, Lanicci J, Bazargan M, Baron J, Iden R, Halperin D: Developing proactive methods for general aviation data collection. ADA534693

10-17 Knecht WR, Lenz M: Effects of video weather training products, Web-based preflight weather briefing, and local vs. non-local pilots on general aviation pilot weather knowledge and flight behavior, Phase 3.

10-18 Prinzo OV, Campbell A, Hendrix A, Hendrix R: U.S. airline transport pilot international flight language experiences, Report 5: Language experiences in native English-speaking airspace/airports. ADA534673

10-19 Lewis RJ, Ritter RM, Johnson RD, Crump RW: Postmortem concentrations of tramadol and *O*-desmethyltramadol in 11 aviation accident fatalities. ADA534674

10-20 Self DA, Mandella J, Prinzo OV, Forster EM, Shaffstall RM: Physiological equivalence of normobaric and hypobaric exposures of humans to 25,000 feet. ADA534698

10-21 Nakagawara VB, Montgomery RW, Wood KJ: The illumination of aircraft at altitude by laser beams: A 5-year study period (2004-2008). ADA534694

10-22 Roma PG, Mallis MM, Hursh SR, Mead AM, Nesthus TE: Flight attendant fatigue Recommendation II: Flight attendant work/rest patterns, alertness, and performance assessment. ADA534695

2011

11-1 Collins WE, Wayda ME: Index to FAA Office of Aerospace Medicine Reports: 1961 through 2010. ADA542886

11-2 Botch S, Johnson R, Ricaurte E, Selensky M: Benzodiazepine use in pilots of civil aviation accidents: 1990-2008 toxicology and autopsy findings. ADA542726

11-3 DeWeese RL, Moorcroft DM, Taylor AM: Aviation child safety device performance standards review. ADA542733

11-4 Prinzo OV, Campbell A, Hendrix A, Hendrix R: U.S. airline transport pilot international flight language experiences, report 6: Native English-speaking controllers communicating with non-native English-speaking pilots. ADA542891

11-5 Knecht WR: Testing Web-based preflight weather self-briefing for general aviation pilots. ADA542737

11-6 Pfleiderer EM, Chidester TR: Establishing the reliability and validity of the perceptions of flight operations quality assurance (PFOQA) questionnaire. ADA542898

11-7 Nakagawara VB, Montgomery RW, Wood KJ: Laser illumination of flight crew personnel by month, day of week, and time of day for a 5-year study period: 2004-2008. ADA542899

11-8 Chidester T, Milburn N, Lomangino N, Baxter N, Hughes S, Peterson L: Development, validation, and deployment of an occupational test of color vision for air traffic control specialists. ADA545928

11-9 Friedberg W, Copeland K: Ionizing radiation in Earth's atmosphere and in space near Earth. ADA546541

11-10 Hobbs A, Avers KB, Hiles JJ: Fatigue risk management in aviation maintenance: Current best practices and potential future countermeasures. ADA546744

11-11 Avers KB, Johnson WB, Banks JO, Nei D: Prioritizing maintenance human factors challenges and solutions: Workshop proceedings. ADA554044

11-12 Cannon MM, Broach D: Studies of next generation air traffic control specialists: Why be an air traffic controller?

11-13 Canfield DV, Dubowski KM, Chaturvedi AK, Whinnery JE: Drugs and alcohol in civil aviation accident pilot fatalities from 2004-2008. ADA554061

11-14 Nakagawara VB, Montgomery RW: Flying blind: Aeromedical certification and undiagnosed age-related macular degeneration. ADA554062

11-15 Ma J, Pedigo M, Blackwell L, Gildea K, Holcomb K, Hackworth C, Hiles J: The line operations safety audit program: Transitioning from flight operations to maintenance and ramp operations. ADA554042

11-16 Avers KB, Nei D, King JS, Thomas S, Roberts C, Banks JO, Nesthus TE: Flight attendant fatigue: A quantitative review of flight attendant comments. ADA554063

11-17 Lewis RJ, Angier MK, Johnson RD, Rains BM, Nepal S: Analysis of citalopram and desmethylcitalopram in postmortem fluids and tissues using liquid chromatography-mass spectrometry. ADA554189

11-18 Hauck EL, Avers KB, Banks JO, Blackwell LV: Evaluation of a fatigue countermeasures training program for flight attendants. ADA554190

11-19 Avers KB, Johnson WB, Banks JO, Nei D, Hensley E: Fatigue solutions for maintenance: from science to workplace reality. ADA554196

11-20 Williams KW: A human factors analysis of fatal and serious injury accidents in Alaska, 2004-2009. ADA554197

11-21 Chaturvedi AK, Craft KJ, Hickerson JS, Rogers PB, Soper JW: Toxicological findings in fatally injured pilots of 979 amateur-built aircraft accidents.

2012

2013

13-7 Pierce LG, Williams CA, Broach D, Bleckley MK: Assessing prior experience in the selection of air traffic control specialists. ADA579810

13-8 Montgomery RW, Wood KJ: Laser illumination of helicopters: A comparative analysis with fixed-wing aircraft for the period 1980 – 2011. ADA577678

13-9 Banks JO, Wenzel B, Avers KB, Hauck E: An Evaluation of Aviation Maintenance Fatigue Countermeasures Training. ADA603521

13-10 McCauley DL, Peterson LS, King SJ: Development and utility of the front line manager's quick reference guide. ADA603565

13-11 Pierce LG, Bleckley MK, Crayton L: The utility of the Air Traffic Selection and Training Test Battery in hiring graduates of an Air Traffic-Collegiate Training Initiative Program. ADA603519

13-12 Wenzel BM, Avers KB, Banks JO: Aviation medical examiner 2012 feedback survey: Content analysis of recommendations. ADA603481

13-13 Bleckley MK: The self-description inventory +, Part 1: Factor structure and convergent validity analyses. ADA603463

13-14 Canfield DV, Berry M, Whinnery JE, Lewis RK, Dubowski KM: Evaluation of a new equation for calculating the maximum wait time for pilots that have used an impairing medication. ADA602576

13-15 Yakopcic C, Puttmann J, Kunz BR, Ang C, McPherson A, Santez D, Donovan M, Skarzynski, J Trick J, Mead AM, Milburn N, Khaouly NE: Experimental effective intensity of steady and flashing light-emitting diodes for aircraft anti-collision lighting. ADA602270

13-16 Milburn NJ, Roberts CA, Perry DL: Evaluation of the Stereo Optical OPTEC® 5000 for aeromedical color vision screening. ADA602369

13-17 Burian BK, Pruchnicki S, Rogers J, Christopher B, Williams K, Silverman E, Drechsler G, Mead A, Hackworth C, Runnels B: Single-pilot workload management in entry-level jets. ADA602396

13-18 Chidester T, Milburn N, Peterson L, Gildea K, Perry D, Roberts C: Development, validation, and deployment of a revised air traffic control color vision test: Incorporating advanced technologies and oceanic procedures and en route automation modernization systems. ADA601923

13-19 Greeley HP, Roma PG,Mallis MM, Hursh SR,Mead AM,Nesthus TE: Field study evaluation of Cepstrum coefficient speech analysis for fatigue in aviation cabin crew. ADA601925

13-20 Hovis JK, Milburn NJ, Nesthus TE: Hypoxia, color vision deficiencies, and blood oxygen saturation. ADA601874

13-21 Multi-Function Displays: A guide for human factors evaluation (reprint from DOT/FAA/OAM-TM-03-01).

13-22 Self DA, Mandella JG, White VL, Burian D: Physiological determinants of human acute hypoxia tolerance. ADA601945

13-23 Copeland K: Occupational exposure to ionizing radiation for crews of suborbital spacecraft: questions & answers. ADA601951

13-24 Kemp PM, Cardona PS, Chaturvedi AK, Soper JW: Distribution of Δ^9-tetrahydrocannabinol and 11-Nor-9-carboxy-Δ^9-tetrahydrocannabinol in postmortem biological fluids and tissues from pilots fatally injured in aviation accidents. ADA601949

13-25 Skaggs VJ, Norris AI: 2012 Aerospace medical certification statistical handbook. ADA601929

2014

14-1 Williams K, Christopher B, Drechsler G, Pruchnicki S, Rogers J, Silverman E, Gildea K, Burian B, Cotton S: Aviation human-in-the-loop simulation studies: Experimental planning, design, and data management. ADA601918

14-2 Lewis RJ, Forster EM, Whinnery JE, Webster NL: Aircraft-assisted pilot suicides in the United States, 2003-2012. ADA601913

14-3 Weed DB, Paskoff LN, Ruppel DJ, Corbett CL, McLean GA: Identification and comprehension of symbolic exit signs for small transport-category airplanes. ADA601915

14-4 Thompson KS, Lewis RJ, Ritter RM: Analysis of zolpidem in postmortem fluids and tissues using ultra-performance liquid chromatography-mass spectrometry. ADA601912

14-5 Avers KB, Johnson WB, Banks JO, Wenzel B: The Transition From Event Reports to Measurable Organizational Impact: Workshop Proceedings Report. ADA601924

Part II: Author Index

D

E

F

I

J

N

S

T

Part III: Subject Index

Contents

Part III: Subject Index (continued)

Contents

Subject and Report Number

Subject and Report Number

Air transportation

Aircraft

Subject and Report Number

Subject and Report Number

Subject and Report Number

Exercise

Eye

Fatigue

Subject and Report Number | *Subject and Report Number*

Subject and Report Number

Subject and Report Number

Subject and Report Number

Subject and Report Number

Subject and Report Number

Subject and Report Number

Subject and Report Number

Subject and Report Number

Training

Subject and Report Number

Subject and Report Number

Subject and Report Number