

03/30/09

Titles of Some JASON Reports

- * High Frequency Gravitational Waves (October 2008; JSR-08-506)
- * Human Performance (March 2008; JSR-07-625)
- * Wind Farms and Radar (January 2008; JSR-08-125)
- * Navy Ship Underwater Shock Prediction and Testing Capability Study (October 2007; JSR-07-200)
- * Reliable Replacement Warhead Executive Summary (September 2007; JSR-07-336E)
- * Pit Lifetime (January 2007; JSR-06-335)
- * DAHRT (October 2006; JSR-06-330)
- * Engineering Microorganisms for Energy Production (June 2006; JSR-05-300)
- * Reducing DoD Fossil-Fuel Dependence (September 2006; JSR-06-135)
- * National Ignition Facility|NIF Ignition (June 2005; JSR-05-340)
- * Tactical Infrasound (May 2005; JSR-03-520)
- * Quantifications of Margins and Uncertainties (March 2005; JSR-04-330)
- * High Performance Biocomputation (March 2005; JSR-04-300)
- * Sensors to Support the Soldier (Feb. 2005; JSR-04-210)
- * Horizontal Integration: Broader Access Models for Realizing Information Dominance (December 2004; JSR-04-312)
- * Active Sonar Waveform (June 2004; JSR-03-200)
- * The Computational Challenges of Medical Imaging (February 2004; JSR-03-300)
- * Horizontal integration: broader access models for realizing information dominance (2004; JSR-04-132)
- * Requirements for Advanced Simulation and Computing Program|ASCI (October 2003; JSR-03-330)
- * Portable Energy for the Dismounted Soldier (June 2003; JSR-02-135)
- * Turbulent Boundary Layer Drag Reduction (May 2003; JSR-01-135)
- * High Power Lasers, Tech. rep., (2003; JSR-02-335)
- * High Power Lasers (April 2003; JSR-02-224)
- * Biodetection Architectures (February 2003; JSR-02-330)
- * Opportunities at the Intersection of Nanoscience, Biology and Computation (November 2002; JSR-02-300)
- * Atmospheric Radiation Measurement (ARM) Program (April 2002; JSR-01-315)
- * Non-GPS Methods of Geolocation (January 2002; JSR-00-105)
- * Radiological Weapons (2002; JSR-02-340)
- * Biofutures (June 2001; JSR-00-130)
- * Spintronics (February 2001; JSR-99-115)
- * Advantage of Base-Line Redundancy in Sparse Apertures (September 2000; JSR-2000-551)
- * Space Infrastructure for 2020 (September 2000; JSR-99-125)
- * Imaging Infrared Detectors II (June 2000; JSR-97-500)
- * Molecular Electronics: Interfacing the Nano- and Micro-Worlds (May 2000; JSR-99-120)
- * Power Sources for Ultra Low Power Electronics (June 2000; JSR-98-130)
- * 100 LBS TO Low Earth Orbit (LEO): Small-Payload Launch Options (January 2000; JSR-98-140)
- * Civilian Biodefense (January 2000; JSR-99-105)
- * Data Mining and the Human Genome (January 2000; JSR-99-310)
- * Primary Performance Margins (December 1999; JSR-99-305) (unclassified introduction)
- * System-Level Flight Tests December 1999; JSR-98-310)
- * Remanufacture (of Nuclear Weapons) (October 1999; JSR-99-300)
- * Army Battlefield Communications (September 1999; JSR-96-605)
- * Characterization of Underground Facilities (April 1999; JSR-97-155)
- * Non-destructive Evaluation and Self-Monitoring Materials (April 1999; JSR-98-145)
- * Electro Thermal Chemical Gun Technology Study (March 1999; JSR-98-600)
- * Fast Transoceanic Transport (1999; JSR-99-215)
- * Small Unit Operations (June 1998; JSR-97-142)
- * Signatures of Aging Revisited (March 1998; JSR-98-320)

- * Signatures of Aging [of nuclear weapons] (January 1998; JSR-97-320)
- * Advanced Radar Technology for Wide Area Surveillance and Fire Control Quality Tracking (January 1998; JRS-95-230)
- * Counterproliferation (January 1998; JSR-94-140)
- * High Energy Density Explosives (October 1997; JSR-97-110)
- * Human Genome Project (October 1997; JSR-97-315)
- * Small Scale Propulsion: Fly on the Wall, Cockroach in the Corner, Rat in the Basement, Bird in the Sky (September 1997; JSR-97-135)
- * An Unconventional, Highly Multipath-Resistant, Modulation Scheme (September 1997)
- * Subcritical Experiments (March 1997; JSR-97-300)
- * Unattended Ground Sensor for Counterproliferation Applications (1997; JSR-94-140A)
- * New Technological Approaches to Humanitarian Demining, (November 1996; JSR-96-115)
- * Use of the Fast Flux Test Facility for Tritium Production (October 1996; JSR-96-325)
- * Boundaries of Computing Quantum computer[Quantum Computing (July 1996; JSR-95-115)
- * Ultrasound (May 1996; JSR-95-145)
- * Unconventional Systems Integration (May 1996)
- * Inertial Confinement Fusion (ICF) Review (March 1996; JSR-96-300)
- * DNA Computing (October 1995; JSR-95-116)
- * Biomedical Imaging (August 1995; JSR-94-120)
- * JASON Nuclear Testing Study: Summary and Conclusions, (August 1995; JSR-95-320)
- * [Topic: ARM, Climate Change] (July 1995; JSR-95-317)
- * Subsurface Science (July 1995; JSR-94-330)
- * Accelerator Production of Tritium - 1995 review (June 1995; JSR-95-310)
- * Synthetic Aperture Radar[SAR] (April 1995; JSR-93-170)
- * Accelerator Based Conversion of Plutonium (March 1995; JSR-94-310)
- * Microsurveillance of the Urban Battlefield (February 1995; JSR-95-125)
- * JASON Nuclear Testing Study: Summary and Conclusions (1995; JSR-95-320)
- * Technologies for Monitoring Proliferation of Weapons of Mass Destruction: Detection of Underground Facilities (1995; JSR-93-140)
- * Future Tagging Program. Tagging Explosives for Detection (1994; JSR-89-750)
- * Jason Final Report, January 1995; JSR-94-105)
- * LIDAR (September 1994; JSR-93-310)
- * Science Based Stockpile Stewardship (November 1994; JSR-94-345)
- * Counter Proliferation /draft/ (August 1994; JSR-94-140)
- * MTPE /draft/ (August 1994; JSR-94-750)
- * Atmospheric Radiation Measurement (ARM) /draft/ (July 1994; JSR-94-300)
- * CO2 Greenhouse Mitigation (May 1994; JSR-93-340)
- * Underwater Explosions ONR/DNA/NAVSEA /draft/ (January 1994; JSR-94-220)
- * [Topic: Advanced Computing] (1994; JSR-94-130)
- * [Topic: Biomedical Imaging] (1994; JSR-94-120)
- * [Topic: Biomedical Imaging] (1994; JSR-94-121)
- * [Topic: Counter Proliferation] (1994; JSR-94-141)
- * [Topic: Covert Communication] (1994; JSR-94-540 (S))
- * [Topic: Electromagnetic Launchers] (1994; JSR-94-600)
- * [Topic: Facility Location] (1994; JSR-94-530 (S))
- * [Topic: FBI Liaison] (1994; JSR-94-360 (S))
- * [Topic: Hydrotesting] (1994; JSR-94-340)
- * [Topic: IR Phenomenology] (1994; JSR-94-520)
- * [Topic: LOSAT (Line of Sight Testing)] (JSR-94-360)
- * [Topic: Low Observable Vehicles and Camouflage] (1994; JSR-94-610)
- * [Topic: Magnetic Effects] (1994; JSR-94-241 (S))
- * [Topic: Mission to Planet Earth] (1994; JSR-94-751)

- * [Topic: Rapid Detection of CBW] (1994; JSR-94-620)
- * [Topic: Review of Audio Program] (for FBI) (1994; JSR-94-350)
- * [Topic: SAR Change Detection] (1994; JSR-94-510)
- * [Topic: SAR Change Detection] (1994; JSR-94-511 (S))
- * [Topic: SAR Lite] (1994; JSR-94-170)
- * [Topic: Security and Privacy in the NII (National Information Infrastructure)] (1994; JSR-94-150)
- * [Topic: Science Based Stockpile Stewardship] (1994; JSR-94-346)
- * [Topic: Subsurface Science] (1994; JSR-94-330)
- * JASON Encryption/Privacy Study (August 1993; JSR-93-520)
- * A Preliminary Review of Global CO₂ Exchange Between Ocean and Atmosphere (March 1993)
- * Clouds and Radiation - a Premier [sic] (January 1993; JSR-90-307)
- * Verification of Dismantlement of Nuclear Warheads and Controls on Nuclear Materials (January 1993; JSR-92-331)
- * Structural Acoustics: A General Form of Reciprocity Principles in Acoustics (January 1993 JSR-92-193)
- * Small Satellites and RPVs (January 1993; JSR-91-197)
- * SCHAMMP (Dec 1992; JSR-91-310)
- * Drag Reduction by Polymer Additives (October 1992)
- * Acoustic Warfare: Bubble Clouds (October 1992)
- * JASON Global Grid Study (July 1992; JSR-92-100)
- * Recovery of SAR Images with One Dimension of Unknown Phases (March 1992; JSR-91-175)
- * Effective Medium Theory for the Elastic Properties of Composites and Acoustics Applications (March 1992)
- * Persistence in Climate (February 1992; JSR-91-340)
- * Continuum Approaches for Describing Solid-Gas and Solid-Liquid Flow (February 1992; JSR-92-310)
- * CHAMMP [Computer Hardware, Advanced Mathematics and Model Physics] Review (January 1992; JSR-92-306)
- * Precision Strike (1992; JSR-92-171)
- * Small Satellites and RPAs in Global Change Research, Summary and Conclusions (January 1992; JSR-91-330A)
- * Statistics of Extreme Events with Application to Climate (1992; JSR-90-305)
- * Mines in the Surf Zone /draft/ (1992; JSR-92-180)
- * Global Change and the Dark of the Moon (1992; JSR-91-315)
- * Issues in Predictability (December 1991; JSR-90-320)
- * ARM Review 1991 /draft/ (September 30, 1991; JSR-91-300)
- * Small Satellite and RPAs in global change research /draft/ (August 1991; JSR-91-330-12)
- * Small Satellites (August 3, 1991; JSR-91-330-10)
- * Atmospheric Radiation Measurement|ARM /draft/ (July 1991; JSR-91-300)
- * U.S. Special Operations Command (March 1991)
- * Imaging Infra-red Detectors (1991; JSR-91-600)
- * Verification Technology: Unclassified Version (October 1990; JSR-89-100A)
- * Cellular Automata and Parallel Processing for Practical Fluid-Dynamics Problems (September 1990; JSR-86-303)
- * High Gain Arrays /draft/ (July 1990; JSR-90-210)
- * Prospects for a Special-Purpose Lattice Gas Computer (June 1990)
- * Detecting the Greenhouse Signal (May 1990; JSR-89-330)
- * Some Comments on the Acoustic Coupling of Elements in an Array (May 1990)
- * A Note on the Statistics of Laser Speckle (March 1990)
- * Effects of Small-Scale Heterogeneities on Regional Propagation (January 1990)
- * JASON Review of Brilliant Pebbles, Vol. I, Executive Summary (September 1989; JSR-89-900)
- * Spectra of Surface Waves (March 1989)
- * Detection of Liquid Explosives (1988; JSR-88-850)
- * HANE [Early-Time High-Altitude Nuclear Effect] Simulation and Experiment (May 1987; JSR-85-405)
- * Occultation Summer Study (February 1987; JSR-86-108)

- * HANEs [High-Altitude Nuclear Effects]1986 (1986; JSR-86-401)
- * Neutrino Detection Primer (March 1988; JSR-84-105)
- * Airships (1988; JSR-88-230)
- * Gas Methods for Solving Partial Differential Equations (1988; JSR-88-120)
- * Topics in Speech (May 1987)
- * Detection of Plastic Guns (1987; JSR-87-825)
- * Taggants for Detection Blasting Cap Tagging Schemes (1986; JSR-86-825)
- * Occulation Study Summary (February 1987; JSR-86-108)
- * [Topic: OTHB Radars] (1987; JSR-87-801)
- * Artificial Gill (November 1986)
- * Development Stability of Strategic Defenses (October 1986; JSR-85-926)
- * [Topic: Neutrino detection] (July 1985; JSR-85-210)
- * Submarine Detection: Acoustic Contrast versus Acoustic Glow (July 1985; JSR-85-108)
- * Relativistic Effects in the Global Positioning System (May 1985)
- * Seismic Discrimination (April 1985; JSR-84-117)
- * SEASAT Report (January 1985; JSR-83-203)
- * Infinite Computing (January 1985)
- * Multiple scattering effects in radar observations of wakes (August 1984; JSR-84-203B)
- * [Topic: Neutrino detection] (August 1984; JSN-84-1000)
- * SEASAT III & IV (August 1984; JSR-84-203)
- * Radical Computing II (June 1984)
- * SEASAT Report (March 1984; JSR-83-203)
- * Reversible Logic as a Strategy for Computing (January 1984)
- * Blue-Green Lasers and Electrodeless Flashlamps (August 1983)
- * Direct Course and Dust Experiments (April 1983)
- * Letter to Andreassen & Harper (concerning radar imaging of the sea surface) (1982; JSN-83-01)
- * [Topic: Laser Guide Star Adaptive Optics] (1982; JSR-82-106)
- * Underwater Facilities Inspections and Assessments at Refit Piers 1 & 2 Trident Refit Facility, Bangor, Washington (June 1981)
- * Underwater Facilities Inspections and Assessments at Explosive Handling Wharf 1, Strategic Weapons Facility, Pacific, Bangor, Washington (June 1981)
- * Studies on the Effect of Striations on Radio Communications (1981; JSR-81-31)
- * Underwater Facilities Inspections and Assessments at Marginal Wharf Trident Refit Facility, Bangor, Bremerton, Washington (October 1980)
- * Advanced Fission Reactor Program Objectives (August 1980; JSR-80-12)
- * Irregularities in Ionospheric Plasma Clouds: Their Evolution and Effect on Radio Communication (1980; JSR-80-15)
- * The Carbon Dioxide Problem: DOE Program and a General Assessment (1980; JSR 80-06)
- * Tunnel Detection (1980; JSR-79-11)
- * The Long Term Impact of Atmospheric Carbon Dioxide on Climate: preliminary report (1979; JSR-78-07; JSR-79-04)
- * Emittance and Transport of Electron Beams in a Free Electron Laser (December 1979; JSR-79-10)
- * Report and Recommendations on Underwater Damage Assessment Pier Lima Naval Station, Guantanamo Bay, Cuba (September 1979)
- * Laser-Induced Photochemistry (February 1979; JSR-78-11)
- * Sonic Boom Report (November 1978; JSR-78-09)
- * Laser Propulsion Study (Summer 1977; JSR-77-12)
- * Sound Transmission Through a Fluctuating Ocean (May 1977; JSR-76-39)
- * Low Frequency Sound Propagation in a Fluctuating Infinite Ocean II (June 1975; JSR-74-6)
- * Low Frequency Sound Propagation in a Fluctuating Infinite Ocean (April 1974; JSR-73-10)
- * The Effect of Surface Currents on the Equilibrium Surface Wave Spectral Energy Density (October 1973; JSR-73-2)

- * The Detection of Surface Strain in an Internal Wave Background (October 1972; P-934)
- * Effect of Various Arms Limitation Options on SSBN Survivability (September 1972; S-408)
- * Collected Working Papers on Internal-Surface Wave Interactions and Related Problems (August 2, 1972; JASON-72-Working Paper no.33)
- * "Internal-Surface Wave Interactions and Related Problems" (August 1972; N-818)
- * Internal Wave-Surface Wave Interactions Revisited (March 1972; Paper P-853)
- * Surface Waves in the Presence of an Internal Wave (November 1971)
- * Report of the 1971 JASON Laser Summer Study. Volume I. Recommendations and Conclusions (1971)
- * Report of the 1971 JASON Laser Summer Study. Volume II. Supporting Appendices A-M (1971)
- * Considerations of SAM upgrade to ABM (November 1970; S-372)
- * Effect of Surface Roughness on the Surface Temperature of the Sea (September 1970; P-666)
- * Generation and Airborne Detection of Internal Waves from an Object Moving through a Stratified Ocean, Vol I (April 1969; S-334)
- * Generation and Airborne Detection of Internal Waves from an Object Moving through a Stratified Ocean, Vol II (April 1969; S-334)
- * Oil Pollution Study: final paper, "Oil pollution in the sea - problems for future work (June 1968; P-432)
- * Oil Pollution in the Sea: Problems for Future Work (June 1968; P-432)
- * Tactical Nuclear Weapons in Southeast Asia (March 1967)
- * Air Sown Mines for Specialized Purposes (1967)
- * Manned Barrier Systems -- A Preliminary Study (1967)
- * The M.A.D. Report (1967)
- * Project SEESAW [Possibly on a directed energy weapon concept](1967)
- * REDEYE Countermeasures (1967)
- * A Study of Data Related to Viet Cong/ North Vietnamese Army Logistics and Manpower (1966)
- * ASAFB (Short Title) (August 1966; S-255)
- * Explosively Produced Flechettes (1966)
- * Interdiction of Trucks from the Air at Night (1966)
- * Whistlers as a Launch Phase Early Warning System (February 1965; P-146)
- * Water Waves from Large Nuclear Explosions (July 1964, issued April 1965; P-137)
- * Some Comments on the White Sands Interferometry Experiments (September 1963; P-71)