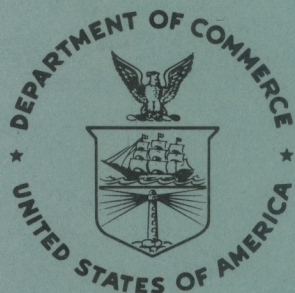


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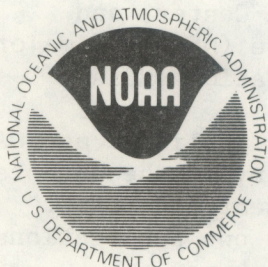
Bibliography of National Environmental Satellite Service Publications *1959-74*

Compiled by: Catherine M. Frain

Washington, D.C.

April, 1977

U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
National Environmental Satellite Service

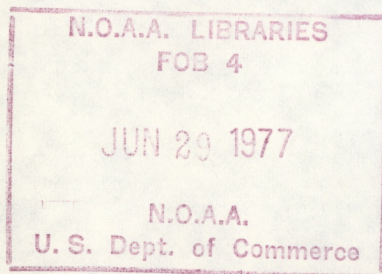


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U.S. DEPARTMENT OF COMMERCE

Juanita M. Kreps, Secretary

National Oceanic and Atmospheric Administration

Robert M. White, Administrator

National Environmental Satellite Service

David S. Johnson, Director

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Preface

This bibliography lists all known publications by personnel of the National Environmental Satellite Service printed during the years 1959 through 1974. The first of these publications came out October 16, 1959, one year after the establishment of the Meteorological Satellite Laboratory of the U.S. Weather Bureau. The Meteorological Satellite Laboratory became the National Weather Satellite Center, then the National Environmental Satellite Center, and finally the current National Environmental Satellite Service (NESS), a major component of the National Oceanic and Atmospheric Administration (NOAA).

Sources for this bibliography are the annual bibliographies published as NOAA Technical Memorandums, NESS records of publications, and many of the authors. Since entries for the first few years were incomplete, present and former NESS authors were asked to recreate complete lists of their own publications. To those who assisted in this work, we extend a sincere thank you.

This bibliography will be updated annually by means of supplements issued as NOAA Technical Memorandums. The first supplement to be issued will list publications by NESS authors printed during 1975. It is suggested that the appropriate pages of the forthcoming bibliographies be removed, punched, and added to this volume.

Many entries in this bibliography are followed by an identification number enclosed in parentheses. Use of this number will facilitate ordering of copies from the National Technical Information Service (NTIS) or from the Superintendent of Documents, U.S. Government Printing Office. Items with identification numbers preceded by AD, COM, N, or PB may be ordered from the NTIS as microfiche or as hard copy. Printed copies of items identified as either ESSA or NOAA Technical Reports (starting with ESSA Technical Report NESC 51) must be ordered from the Superintendent of Documents. Prices should be obtained from the office where the item is stocked. Reprints of journal articles listed will be furnished free of charge as long as supplies are on hand; books must be obtained from the publisher; copies of contract reports or grants will be supplied to qualified requesters when available.

- Albert, E. G., 1968: The improved TIROS operational satellite. ESSA Technical Memorandum NESCTM 7, 14 pp. (PB 180-766).
- Albert, E. G., 1969: Characteristics of direct scanning radiometer data. Supplement 1 to ESSA Technical Memorandum NESCTM 7, 2 pp. (PB 183-965).
- Albert, E. G., and White, Robert W., 1962: Analysis of TIROS picture rectification errors. National Weather Satellite Center, U. S. Weather Bureau, Manuscript.
- Alishouse, John C., 1966: Temperature variation of the absorption coefficient of germanium. Journal of the Optical Society of America, 56 (4), 525-526.
- Alishouse, John C., Baker, Donald R., McClain, E. Paul, and Yates, Harold W., 1971: Potential of satellite microwave sensing of hydrology and oceanography measurements. NOAA Technical Memorandum NESS 26, 11 pp. (COM 71-00544).
- Alishouse, John C., Baker, Donald R., McClain, E. Paul, and Yates, Harold W., 1972: Microwave sensing for Earth surface measurements. Instruments and Control Systems, 45 (1), 105-107.
- Alishouse, John C., and Poultney, Sherman K., 1971: Measurements of cloud back-scatter polarization using a pulsed ruby lidar. Transactions of the American Geophysical Union, 52 (4), 223.
- Anderson, Ralph K., et al., 1974: Application of meteorological satellite data in analysis and forecasting. ESSA Technical Report NESC 51 (revision of original report of 1969, including published supplements of 1971 and 1973), 340 pp. (AD 786-137).
- Anderson, Ralph K., Ferguson, Edward W., and Oliver, Vincent J., 1966: The use of satellite pictures in weather analysis and forecasting. Technical Note No. 75, WMO-No. 90. - TP 96, World Meteorological Organization, Geneva, 184 pp.
- Anderson, Ralph K., and Veltishchev., M. F., (Editors), 1973: The use of satellite pictures in weather analysis and forecasting. WMO Technical Note No. 124, World Meteorological Organization, Geneva, 273 pp.
- Astling, E. G., and Horn, Lyle H., 1964: Some geographical variations of terrestrial radiation measured by TIROS II. Journal of the Atmospheric Sciences, 21 (1), 30-34.
- Baker, Donald R., 1971: Remote sensing of snow fields from Earth satellites. Proceedings of International Workshop of Earth Resources Survey Systems, May 3-14, 1971, University of Michigan, National Aeronautics and Space Administration, Beltsville, Md., 431-442.

- Baker, Donald R., and McClain, E. Paul, 1971: Some of ESSA's current efforts in satellite data application for hydrology. Proceedings of First International Seminar for Hydrology Professors, University of Illinois, The Progress of Hydrology, May 16-17, 1969, Department of Civil Engineers, Urbana, Ill. Vol. 1, 108-125.
- Baliles, Maurice D., and Neiss, Herbert, 1963: Conference on satellite ice studies. Meteorological Satellite Laboratory Report No. 20, 93 pp. (PB - 163-746).
- Booth, Arthur L., 1973: Objective cloud type classification using visual and infrared satellite data. Preprint Volume of the Third Conference on Probability and Statistics in Atmospheric Science, June 19-22, 1973, Boulder, Colorado, American Meteorological Society, Boston, 220-227.
- Booth, Arthur L., DeCotiis, Arthur G., and Leese, John A., 1972: Automated procedures for mapping and display of digitized radar data. Reprinted from Preprint Volume of the Fifteenth Radar Meteorology Conference, Oct. 10-12, 1972, Champaign-Urbana, Ill., American Meteorological Society, Boston, 199-203.
- Booth, Arthur L., and Taylor, V. Ray, 1966: Meso-scale archive and products of digitized video data from ESSA satellites. ESSA Technical Memorandum NESCTM 9, 23 pp. (PB 180-294).
- Booth, Arthur L., and Taylor, V. Ray, 1969: Meso-scale archive and computer products of digitized video data from ESSA satellites. Bulletin of the American Meteorological Society, 50 (6), 431-437.
- Boudreau, Robert D., 1971: Reply to "Comments of the use of ultraviolet lidar for observing atmospheric constituents by Raman scattering". Journal of Applied Meteorology, 10 (1), 173-174.
- Bradford, Robert E., Leese, John A., and Novak, Charles, 1972: An experimental model for the automated detection, measurement and quality control of low-level cloud vectors from geosynchronous satellite data. Proceedings of the Eighth International Symposium on Remote Sensing of the Environment, Oct. 2-6, 1972, Ann Arbor, Michigan, Vol. 1, 441-462.
- Bradley, James H. S., Hayden, Christopher M., and Wiin-Nielson, Aksel C., 1966: An attempt to use satellite photography in numerical weather prediction. Technical Report under ESSA Contract No. Cwb-11145, Department of Meteorology, University of Michigan, 72 pp.
- Braun, Charles, 1971: Limits on the accuracy of infrared radiation measurements of sea-surface temperature from a satellite. NOAA Technical Memorandum NESS 30, 28 pp. (COM 72 10898).

- Braun, Charles, and Leidecker, Henning, 1974: Rotation and vibration spectra for the H₂O dimer: theory and comparison with experimental data. Journal of Chemical Physics, 61 (18), 3104-3113.
- Braun, Walter C., and Mercer, Donald, 1970: The measurement of sea surface temperature with an infrared radiometer. IEEE International Conference on Engineering in the Ocean Environment, Sept. 21-24, 1970, Panama City, Fla., Lewis Winner, New York, N.Y., 259 pp.
- Bristor, Charles L., 1959: Zonal wind errors in the barotropic model. Monthly Weather Review, 87 (2), 57-63.
- Bristor, Charles L., 1962: Processing satellite weather data -- a status report-part I. Proceedings of the 1962 Fall Joint Computer Conference, 26 pp.
- Bristor, Charles L., 1966: Satellite data collection. Proceedings IBM Symposium on Environmental Sciences, Yorktown Heights, N.Y., Nov. 14-16, 1966, IBM Data Processing Division, White Plains, N.Y., 5-17.
- Bristor, Charles L., 1966: A summary of experiences in computer processing of Nimbus I data. Meteorological Satellite Laboratory Report No. 27, 17 pp. (PB 173 430).
- Bristor, Charles L., 1968: Computer processing of satellite cloud pictures. NESC Technical Memorandum NESCTM 3, 11 pp. (PB 178-137).
- Bristor, Charles L., 1970: The Earth location of geostationary satellite imagery. Pattern Recognition, Vol. 2, Pergamon Press, 269-277.
- Bristor, Charles L., 1970: Earth resources data processing as viewed from an environmental satellite data processing experience base. Proceedings AIAA Earth Resources Observations and Information Systems Meeting, Mar. 2-4, 1970, Annapolis, Maryland, paper 70-284, American Institute of Aeronautics and Astronautics, 1-9.
- Bristor, Charles L., 1971: processing of ITOS scanning radiometer data. Proceedings of the Sixth AWS Technical Exchange Conference, U.S. Naval Academy, Sept. 21-24, 1970, Air Weather Technical Report 242, 232-242.
- Bristor, Charles L., 1972: Extracting atmospheric wind estimates from geostationary satellite image data. Proceedings of Computer Processing and Recognition Symposium, Aug. 24-26, 1972, University of Missouri, Columbia, Mo., Vol. 1, 2-1-1--2-1-5.
- Bristor, Charles L., Albert, E. G., and Jones, James B., 1963: Problems in mapping data from meteorological satellites. Proceedings of the Second International Space Science Symposium, Florence, Italy, April 10-14, 1961, U. S. Weather Bureau, Washington, D. C., 60-69.

- Bristor, Charles L., and Callicott, William M., 1964: Meteorological products from digitized satellite vidicon cloud pictures. Meteorological Satellite Laboratory Report 26, 38 pp. (AD 600 078).
- Bristor, Charles L., Callicott, William W., and Bradford, R. E., 1966: Operational processing of satellite cloud pictures by computer. Monthly Weather Review, 94 (8), 515-527.
- Bristor, Charles L., Lindsay C., Goddard, B., and Koffler, Russell, 1974: New satellite support for the soaring meteorological forecaster and for the soaring pilot. Technical Paper Presented at XIV Ostiv Congress at Waikerie, Australia, Jan. 21-26, 1974.
- Bristor, Charles L., and Pichel, Walter, 1974: 3-D cloud viewing using overlapped pictures from two geostationary satellites. Bulletin of the American Meteorological Society, 55 (11), 1353-1355.
- Bristor, Charles L., and Ruzecki, Mary Ann, 1960: TIROS I photographs of the Midwest storm of April 1, 1960. Monthly Weather Review, 88 (9-12), 315-326.
- Brodrick, Harold J., 1964: TIROS cloud pattern morphology of some midlatitude weather systems. Meteorological Satellite Laboratory Report No. 24, 30 pp. (AD 433 485).
- Brodrick, Harold J., 1969: Some aspects of the vorticity structure associated with extratropical cloud systems. ESSA Technical Memorandum NESCTM 15, 8 pp. (PB 184 178).
- Brodrick, Harold J., and Hayden, Christopher C., 1972: Verification of operational SIRS B temperature retrievals. NOAA Technical Report NESS 63, 26 pp. (COM 735 279).
- Brodrick, Harold J., and McClain, E. Paul, 1969: Synoptic/dynamic diagnosis of a developing low-level cyclone and its satellite-viewed cloud patterns. ESSA Technical Report NESC 49, 26 pp. (PB 184 612).
- Brodrick, Harold J., McClain, E. Paul, and Ruzecki, Mary Ann, 1966: Experimental use of satellite pictures in numerical prediction, part II. Meteorological Satellite Laboratory Report No. 36, 25 pp. (PB 169 913).
- Chen, Y. M., Woolf, Harold M., and Smith, William L., 1974: Vertical resolution of temperature profiles for high resolution infrared radiation sounder (HIRS). NOAA Technical Report NESS 67, 14 pp. (COM 74 50230).
- Chopra, K. P., and Hubert, Lester F., 1964: Karman vortex-streets in Earth's atmosphere. Nature, 203 (4952), 1341-1342.
- Chopra, K. P., and Hubert, Lester F., 1965: Mesoscale eddies in wake of islands. Journal of the Atmospheric Sciences, 22 (6), 652-657.

- Cochran, Donald R., 1974: Picture of the month - from pictures to winds. Monthly Weather Review, 102 (2), 191-193.
- Conlon, Edward F., 1973: Operational products from ITOS scanning radiometer data. NOAA Technical Memorandum NESS 52, 57 pp. (COM 74 10040).
- Coulson, Kinsell L., and Jacobowitz, Herbert, 1972: Proposed calibration target for the visible channel of a satellite radiometer. NOAA Technical Report NESS 62, 27 pp.
- Cowan, L. W., Hubbard, S. H., and Singer, S. Fred, 1963: Direct readout weather satellites. Astronautics and Aerospace Engineering, 1 (3), 61-66.
- Cox, J. L., and Jager, Gilbert 1969: A satellite analysis of twin tropical cyclones in the western Pacific. ESSA Technical Memorandum WBTM SOS 5, 24 pp.
- Crosby, D. S., Fleming, Henry E., and Wark, David Q., 1973: Covariance matrices and means of atmospheric Planck function profiles for application to temperature sounding from satellite measurements. Journal of the Atmospheric Sciences, 30 (1), 141-144.
- Crosby, David S., and Weinreb, Michael P., 1974: Effect of incorrect atmospheric statistics on the accuracy of temperature profiles derived from satellite measurements. Journal of Statistical Computations and Simulations, 3 (1), 41-51.
- Curtis, William R., and Rao, P. Krishna, 1969: Gulf stream thermal gradients from satellite, ship, and aircraft observations. Journal of Geophysical Research, 74 (28), 6984-6990.
- Dambeck, William J., 1972: Geostationary satellite position and attitude determination using picture landmarks. NOAA Technical Memorandum NESS 21, 20 pp. (CON 72 10916).
- DeCotiis, A. G., and Conlan, E., 1971: Cloud information in three spatial dimensions using IR thermal imagery and vertical temperature profile data. Proceedings of the Seventh International Symposium on Remote Sensing of Environment, May 17-21, 1971, Ann Arbor, Mich., Willow Run Laboratory, 595-606.
- DeRycke, R. J., 1973: Observations of sea ice dynamics in the Ross Sea by NOAA -2 satellite. Transactions, American Geophysical Union, 54 (4), (Abstract only), 318.
- DeRycke, R. J., 1973: Sea ice motions off Antarctica in the vicinity of the Eastern Ross Sea as observed by satellite. Journal of Geophysical Research, 78, (36), 8873-8879.

- DeRycke, Richard J., 1973: Some seasonal variations of the ice cover in the Beaufort Sea: evidence of macro-scale ice dynamics phenomena. AIDJEX Bulletin, No. 11, 45-50.
- DeRycke, Richard J., and Rao, P. Krishna, 1973: Eddies along a Gulf Stream boundary viewed from a very high resolution radiometer. Journal of Physical Oceanography, 3 (4), 490-492.
- DeRycke, Richard J., and Strong, Alan E., 1972: Some preliminary results of 1971 aircraft microwave measurements of ice in the Beaufort Sea. NOAA Technical Memorandum NESS 37, 8 pp. (COM 72 10847).
- Doolittle, R. C., 1965: Calibration of image distortion in TIROS wide angle photography. Meteorological Satellite Laboratory Report No. 15, 49 pp. (PB 163-741).
- Dvorak, Vernon F., 1972: A technique for the analysis and forecasting of tropical cyclone intensities from satellite pictures. NOAA Technical Memorandum NESS 36, 15 pp. (COM 72 10840).
- Dvorak, Vernon F., 1973: A technique for the analysis and forecasting of tropic cyclone intensities from satellite pictures. NOAA Technical Memorandum NESS 45, (Revision of NESS 36), 19 pp. (COM 73 10675).
- Erickson, Carl O., 1961: Interpretation of cloud types. Proceedings of the International Meteorological Satellite Workshop, Nov. 13-22, 1961, Washington, D.C., National Aeronautics and Space Administration, U. S. Department of Commerce, Weather Bureau. 67-74.
- Erickson, Carl O., 1963: An incipient hurricane near the West African coast. Monthly Weather Review, 91 (2), 61-68.
- Erickson, Carl O., 1964: Satellite photographs of convective clouds and their relation to the vertical wind shear. Monthly Weather Review, 92 (6), 283-296.
- Erickson, Carl O., 1967: Some aspects of the development of hurricane Dorothy. Monthly Weather Review, 95 (3), 121-130.
- Erickson, Carl O., 1967: Diagnostic study of a tropical disturbance. Monthly Weather Review, 99 (1), 67-68.
- Erickson, Carl O., 1972: Evaluation of a technique for the analysis and forecasting of tropical cyclone intensities from satellite pictures. NOAA Technical Memorandum NESS 42, 28 pp. (COM 72 11472).
- Erickson, Carl O., 1974: Picture of the month--a jet-stream cirrus shield. Monthly Weather Review, 102 (3), 260-261

- Erickson, Carl O., 1974: The use of geostationary-satellite cloud vectors to estimate tropical cyclone intensity. NOAA Technical Memorandum NESS 59, 37 pp. (COM 74 11762/AS).
- Erickson, Carl O., and Fritz, Sigmund, 1965: Early history of tropical storm Katherine, 1963. Monthly Weather Review, 93 (3), 145-153.
- Erickson, Carl O., and Hubert, Lester F., 1961: Identification of cloud forms from TIROS I pictures. Meteorological Satellite Laboratory Report No. 7, 68 pp. (N62 14286).
- Erickson, Carl O., McClain, E. Paul, and Whitney, Linwood F., Jr., 1966: Satellite data, meteorological findings from. Contribution to International Dictionary of Geophysics, The Pergamon Press, 1-10.
- Erickson, Carl O., and Whitney, Linwood F., 1973: Picture of the Month--gravity waves following severe thunderstorms. Monthly Weather Review, 101 (9), 708-712.
- Erickson, Carl O., and Winston, Jay S., 1972: Tropical storm, mid-latitude, cloud-band connections and the autumnal buildup of the planetary circulation. Journal of Applied Meteorology, 11 (1), 23-36. (COM 72-10637).
- Ernst, John A., 1974: African dust layer sweeps into the Southwest North Atlantic area. Bulletin of the American Meteorological Society, 55 (11), 1352-1353.
- Ernst, John A., 1974: The changing scene: SMS-1 moves westward. Weatherwise, 27 (6), 264-265.
- Ernst, John A., 1974: Thunderstorm fireworks start Earth on the Fourth of July. Weatherwise, 27 (5), 214-225.
- Ferguson, Edward W., 1971: Picture of the month--satellite view of a lake-effect snowstorm. Monthly Weather Review, 99 (3), 247-248.
- Ferguson, Edward W., 1973: Testimony before the Subcommittee on Space Sciences and Applications of the House Committee on Science and Astronautics. H.S. 9811 (Nov. 9, 1973), 1-10.
- Fleming, Henry E., 1972: A method for calculating atmospheric thickness directly from satellite radiation measurement. Preprint Volume of the Conference on Atmospheric Radiation, Aug. 7-9, 1972, Fort Collins, Colo., American Meteorological Society, Boston, 134-137. (COM 72 11474).
- Fleming, Henry E., and Rao, K. Narahare, 1972: A simple numerical evaluation of the Rydberg-Klein-Rees integrals: application of X_{12}^{+} state of $^{12}C^{16}O$. Journal of Molecular Spectroscopy, 44 (1), 189-193.

- Fleming, Henry E., and Smith, William L., 1973: Inversion techniques for remote sensing of atmospheric temperature profiles. Fifth Symposium on Temperature, June 21-24, 1971, Instrument Society of America, Washington, D. C.,
- Fleming, Henry E., and Wark, David Q., 1965: A numerical method for determining the relative spectral response of the vidicons in a Nimbus satellite system. Applied Optics, 4 (3), 337-342.
- Follansbee, Walton A., 1973: Estimation of average daily rainfall from satellite cloud photographs. NOAA Technical Memorandum NESS 44, 39 pp. (COM 73 10539).
- Fortuna, Joseph J., and Hambrick, Larry N., 1974: Operation of the NOAA Polar Satellite system. NOAA Technical Memorandum NESS 60, 127 pp. (COM 75 10390).
- Frank, N. L., and Johnson, Harry M., 1969: Vortical cloud systems over the tropical Atlantic during the 1967 hurricane season. Monthly Weather Review, 97 (2), 124-129.
- Fridovich, Bernard, 1969: Selected water vapor line parameter measurements with accurate absorber thickness determination. Technical Report 979, Department of Physics and Astronomy, University of Maryland, 166 pp. (PB 184 347).
- Fridovich, Bernard, 1971: Spectroscopic measurements of selected water vapor lines with accurate absorber thickness. Journal of Quantitative Spectroscopy and Radiative Transfer, 11(11), 1605-1610.
- Fridovich, Bernard, and Kinard, J. R., 1972: Intensity-half-width products for seven lines in the 6.3, μ water vapor band. Journal of the Optical Society of America, 62 (4), 542-544.
- Fritz, Sigmund, et al., 1959: IGY special studies in meteorology. Weatherwise, 12 (2), 67-72.
- Fritz, Sigmund, 1959: On observing the atmosphere from satellites, Part I.-- Cloud observations. Weatherwise, 12 (4), 139-144: 163-165.
- Fritz, Sigmund, 1959: Observing weather from satellites. Space Science, 8 (4), 2-5.
- Fritz, Sigmund, et al., 1959: Status of special studies in meteorology. Transactions, American Geophysical Union, 40 (1), 57-63.
- Fritz, Sigmund, 1960: Cyclone-prints from satellite (TIROS I). Interavia, 15, 1384-1385.
- Fritz, Sigmund, 1960: Heating distribution in the atmosphere and climatic change. Dynamics of Climate, R. L. Pfeffer, Ed., Pergamon Press, 96-100.

- Fritz, Sigmund, 1960: Insolation. In Encyclopedia of Science and Technology, McGraw-Hill, Vol. 7, 144-145.
- Fritz, Sigmund, 1960: Meteorological use of satellites. In Encyclopedia of Science and Technology, McGraw-Hill, Vol. 8, 322-323.
- Fritz, Sigmund, 1960: Satellite Meteorology, U. S. National Report, 1957-1960. 12th General Assembly, (IUGG Helsinki) Transactions American Geophysical Union, 41, 217-220.
- Fritz, Sigmund, 1961: Meteorological observations from satellites. New Scientist, 10, 504-507.
- Fritz, Sigmund, 1961: Satellite cloud picture of a cyclone over the Atlantic Ocean. Quarterly Journal Royal Meteorological Society, 87, 314-321.
- Fritz, Sigmund, 1962: Cloudiness associated with large-scale synoptic systems in temperate latitudes. Proceedings of International Meteorological Satellite Workshop, Washington, D. C., Nov. 13-22, 1961, National Aeronautics and Space Administration and U. S. Department of Commerce, Weather Bureau, 45-46.
- Fritz, Sigmund, 1962: Meteorological satellites. In 1962 McGraw-Hill Yearbook of Science and Technology, 319-321.
- Fritz, Sigmund, 1962: Miscellaneous TIROS pictures in final report on the TIROS I meteorological satellite system. NASA TR R-131, Chapter 18, National Aeronautics and Space Administration, 325-334.
- Fritz, Sigmund, 1962: Satellite pictures and the origin of hurricane Anna. Monthly Weather Review, 80 (12), 507-513.
- Fritz, Sigmund, 1962: Satellite pictures of the snow-covered Alps during April 1960. Archiv fur Meteorologie, Geophysik und Bioklimatologie, Serie A., Vol. 13, 186-198.
- Fritz, Sigmund, 1962: Snow surveys from satellite pictures. Proceedings of First International Symposium on Rocket and Satellite Meteorology, Washington, D. C. April 23-25, 1962, Amsterdam, North Holland, 1963, 419-421.
- Fritz, Sigmund, 1963: The diurnal variation of ground temperature as measured from TIROS II. Journal of Applied Meteorology, 2 (5), 645-648.
- Fritz, Sigmund, 1963: Meteorological satellites in the United States. Transactions, American Geophysical Union, 44(2), 406-410.
- Fritz, Sigmund, 1963: Research with satellite cloud pictures. Astronautics and Aerospace Engineering, 1 (3), 70-74.
- Fritz, Sigmund, 1963: The variable appearance of the Earth from satellites. Monthly Weather Review, 91 (10-12), 613-620.

- Fritz, Sigmund, 1964: Pictures from meteorological satellites and their interpretation. Space Science Review, 3, 541-580.
- Fritz, Sigmund, 1965: The significance of mountain lee waves as seen from satellite pictures. Journal of Applied Meteorology, 4 (1), 31-37.
- Fritz, Sigmund, 1966: Local circulations as seen from satellite cloud pictures. H. M. Van de Boogaard, ed., Satellite Data in Meteorological Research, NCAR-TN 11, National Center for Atmospheric Research, Boulder, Colo., 34 pp.
- Fritz, Sigmund, 1968: Comments on a paper by Bandeen, W. R., In Atmospheric Exploration by Remote Probes, Vol. 2, Proceedings of Scientific Meeting of Panel of Remote Atmospheric Probing, April 18-20, May 16-17, 1968, National Academy of Sciences, Washington, D. C., 507-510.
- Fritz, Sigmund, 1969: On the question of measuring the vertical temperature distribution of the atmosphere from satellites. Monthly Weather Review, 97 (10), 712-715.
- Fritz, Sigmund, 1970: Earth's radiation at 15 microns: stratospheric temperature variations. Journal of Applied Meteorology, 9 (5), 815-824.
- Fritz, Sigmund, 1972: Discussion: Ice on the ocean and world climate. Fletcher, J. O., Ed., from Symposium held in Washington, D. C., March 11, 1968, Beneficial Modification of the Marine Environment, National Academy of Sciences, Washington, D. C., 61-65.
- Fritz, Sigmund, 1974: On the causes of the annual and semi-annual variations of radiance (or temperature) from the tropical stratosphere. Journal of the Atmospheric Sciences, 31 (3), 813-833.
- Fritz, Sigmund, 1974: Satellite observation in the tropics. International Tropical Meteorology Meeting, Jan. 31-Feb. 7, 1974, Nairobi, Kenya, (Preprint Volume, Part I), American Meteorological Society, Boston, 9-10.
- Fritz, Sigmund, 1974: Presidential address: Uses of satellite observations in meteorology. Report of Proceedings, First Special Assembly, Melbourne, Australia, Jan. 1974, International Association of Meteorology and Atmospheric Physics, (IUGG)(IAMAP), Publication No. 15a, Toronto, Canada, 13-29.
- Fritz, Sigmund, Brodrick, Harold J., and Timchalk, Andrew, 1965: Satellite observations of cloud systems over the Caribbean Sea. Geofisica International, 5 (3), 115-118.
- Fritz, Sigmund, Hubert, Lester F., McClain, E. Paul, Smith, William L., and Winston, Jay S., 1971: Meteorological satellite program. EOS, 52 (6), 405-409.
- Fritz, Sigmund, Hubert, Lester F., and Timchalk, Andrew, 1966: Some inferences from satellite pictures of tropical disturbances. Monthly Weather Review, 94 (4), 231-236.

- Fritz, Sigmund, (Convener), Johnson, Arthur W., Oliver, Vincent J., and Pyle, Robert L., 1965: Synoptic use of meteorological satellite data and prospects for the future. Report for WMO, National Weather Satellite center, 66 pp.
- Fritz, Sigmund, and Lindsay, Charles V., 1964: Lee wave clouds photographed over the Appalachians by TIROS V and VI. Soaring, 28 (3), 14-17.
- Fritz, Sigmund, and MacDonald, T. H., 1960: The number of days with solar radiation above or below specific values. Solar Energy, 6, 20-22.
- Fritz, Sigmund, and MacDonald T. H., 1962: Some normal incidence solar radiation observations during the IGY. Monthly Weather Review, 90 (6), 241-244.
- Fritz, Sigmund, McClain E. Paul, and Winston, Jay S., 1967: Satellite observations and circulation. Dynamics of Large Scale Atmospheric Processes, Proceedings of International Symposium, Moscow, June 1965, IAMAP, National Commission of Dynamical Meteorology, Moscow, Izdatvo Nauka, 37-43.
- Fritz, Sigmund, and McInturff, R. M., 1972: Stratospheric temperature variations in autumn--Northern and Southern Hemispheres compared. Monthly Weather Review, 100 (1), 1-6.
- Fritz, Sigmund, and Pyle, Robert L., 1966: Availability of satellite data; data requirements in meteorological research with satellite data. Technical Note No. 73, Data Processing in Meteorology, Proceedings of the WMO/IUGG Symposium on Meteorological Data Processing, Brussels, 1965, WMO-No. 180. TP 90, World Meteorological Organization, Geneva, 56-58.
- Fritz, Sigmund, and Rao, P. Krishna, 1967: On the infrared transmission through cirrus clouds and the estimation of relative humidity from satellites. Journal of Applied Meteorology, 6 (6), 1088-1096.
- Fritz, Sigmund, Rao, P., Krishna, and Weinstein, M., 1964: Satellite measurements of reflected solar energy and the energy received at the ground. Journal of the Atmospheric Sciences, 21 (2), 141-151.
- Fritz, Sigmund, and Soules, Stanley D., 1970: Large scale temperature changes in the stratosphere observed from Nimbus III. Journal of the Atmospheric Sciences, 27 (7), 1091-1097.
- Fritz, Sigmund, and Soules, Stanley, D., 1972: Planetary variations of stratospheric temperatures. Monthly Weather Review, 100 (7), 582-589.
- Fritz, Sigmund, Wark, David Q., Fleming, Henry E., Smith, William L., Jacobowitz, Herbert, Hilleary, Donald T., and Alishouse, John C., 1972: Temperature sounding from satellites. NOAA Technical Report NESS 59, 49 pp.

- Fritz, Sigmund, and Wexler, H., 1960: Cloud pictures from satellite TIROS I. Monthly Weather Review, 88 (3), 79-87. (Also in Proceedings of the 2nd International Symposium on Rockets and Astronautics, Tokyo, 1960, Tamake, Ed. in Chief, Tokyo 1961).
- Fritz, Sigmund, and Wexler, Harry 1961: Planet Earth as seen from space in the solar system. Planets and Satellites, University of Chicago Press, Vol. 3, 1-11.
- Fritz, Sigmund, and Winston, Jay S., 1962: Synoptic use of radiation measurements from satellite TIROS II. Monthly Weather Review, 90 (1), 1-9.
- Gaby, Donald C., and Poteat, Kenneth O., 1973: ATS-3 satellite derived low-level winds: a provisional climatology. Journal of Applied Meteorology, 12 (6), 1054-1061. (COM 74-10134).
- Gelman, Melvyn E., Miller, Alvin J., and Woolf, Harold M., 1972: Regression technique for determining temperature profiles in the upper stratosphere from satellite-measured radiances. Monthly Weather Review, 100 (7), 542-547.
- Glaser, A. H., and Christensen, F. E., 1963: TOSS-TIROS operational system. Astronautics and Aerospace Engineering, 1 (3), 38-41.
- Grabham, A. L., and Sherman, John W., III, 1973: Skylab Earth resources experiment package experiments in oceanography and marine science. NOAA Technical Memorandum NESS 51, 72 pp. (COM 74 11740/AS).
- Gray, Thomas I., Jr. 1964: A quasi-global presentation of TIROS III radiation data. NASA SP 53, National Aeronautics and Space Administration, Greenbelt, Md., 8 pp.
- Gray, Thomas I., Jr., and Oort, Abraham H., 1974: Interannual variation in convective activity over the GATE area. Bulletin of the American Meteorological Society, 55 (3), 220-226.
- Gray, Thomas I., Jr., and Singer, S. F., 1963: Meteorological satellite characteristics for continuous Earth coverage. Meteorological Satellite Laboratory Report No. 19, 39 pp. (PB 163 745).
- Grody, Norman C., 1974: Dependence of antenna temperature on the polarization of emitted radiation for a scanning microwave radiometer. NOAA Technical Report NESS 68, 11 pp. (COM 74 50341/AS).
- Gross, J. F., 1968: Computer processing of TOS attitude data. ESSA Technical Memorandum NESCTM 6, 12 pp. (PB 182 125).
- Gruber, Arnold, 1972: Fluctuations in the position of the ITCZ in the Atlantic and Pacific Oceans. Journal of the Atmospheric Sciences, 29 (1), 193-197.

- Gruber, Arnold, 1973: Estimating rainfall in regions of active convection. Journal of Applied Meteorology, 12 (1), 110-118.
- Gruber, Arnold, 1973: An examination of tropical cloud clusters using simultaneously observed brightness and high resolution infrared data from satellites. NOAA Technical Memorandum NESS 50, 22 pp. (COM 73 11941/AS).
- Gruber, Arnold, 1973: Review of satellite measurements of albedo and outgoing long-wave radiation. NOAA Technical Memorandum NESS 48, 12 pp. (COM 73 11443).
- Gruber, Arnold, 1974: On streamline patterns and momentum transports. Journal of the Atmospheric Sciences, 31 (4), 1161-1163.
- Gruber, Arnold, 1974: The wavenumber-frequency spectra of satellite-measured brightness in the tropics. Journal of Atmospheric Sciences, 31 (6), 1675-1680.
- Gruber, Arnold, Herman, Leroy, and Krueger, Arthur F., 1971: The use of satellite cloud motions for estimating the circulation over the tropics. Monthly Weather Review, 99 (10), 739-743.
- Gurka, James J., and Oliver Vincent J., 1974: Fog persistence under a cirrus band. Monthly Weather Review, 102 (12), 869-870.
- Haines, Donald A., and Winston, Jay S., 1963: Monthly mean values and spatial distribution of meridional transport of sensible heat. Monthly Weather Review, 91 (7), 319-328.
- Hanel, R. A., and Wark, David Q., 1961: Physical significance of the TIROS II radiation experiment. NASA Technical Note D-701, National Aeronautics and Space Administration, Washington, D. C.
- Hanel, R. A., and Wark, David Q., 1961: TIROS II radiation experiment and its physical significance. Journal of Optical Society of America, 51 (12) 1394-1399.
- Hanel, R. A., and Wark, David Q., 1963: Physical measurements from meteorological satellites. Astronautics and Aerospace Engineering, 1 (3), 85-88.
- Hanson, D., List, R., Strong, Alan, and Telesetsky, W., 1971: Environmental Monitoring -- a technological challenge. 1971 IEEE Region 2 Conference-Technological Forecasting and Assessment of Electrotechnology, Digest of Technical Papers, Washington, D. C., Oct. 1971, Lewis Winner, New York, 20-29.
- Hayden, Christopher M., (University of Michigan), 1968: The utility of satellite cloud photographs in objective analysis of the 500-mb height field. Ph.D. Thesis, 152 pp.

- Hayden, Christopher M., 1970: An objective analysis of cloud cluster dimensions and spacing in tropical North Pacific. Monthly Weather Review, 98 (7), 534-540.
- Hayden, Christopher M., 1971: Nimbus 3 "SIRS" pressure height profiles as compared to radiosondes. Monthly Weather Review, 99 (9), 659-664,
- Hayden, Christopher M., 1971: On reference levels for determining height profiles from satellite-measured profiles. NOAA Technical Memorandum NESS 32, 15 pp. (COM 72 50393).
- Hayden, Christopher M., 1973: Experiments in the four-dimensional assimilation of Nimbus 4 SIRS data. Journal of Applied Meteorology, 12 (3), 425-436. (COM 73 11126).
- Hayden, Christopher M., and Winn-Heilsen, A. C., 1968: Objective analysis inconsistencies in geostrophic wind and momentum transport calculations. Technical Report, Grant No. GS0841, University of Michigan, 44 pp.
- Hill, R. G., 1968: NESC digital formatting system (DFS). ESSA Technical Memorandum NESCTM 5, 12 pp. (PB 182 125).
- Hilleary, Don T., et al., 1966: Indirect measurements of atmospheric temperature profiles from satellites. III, the spectrometers and experiments. Monthly Weather Review, 94 (6), 367-377.
- Hilleary, Don T., Anderson, S. P., Karoli, A. R., and Hickey, J. R. 1968: The calibrations of a satellite infrared spectrometer. Spacecraft Systems Education, Pergamon Press-Pwn, 423-437.
- Hilleary, Don T., Wark, David Q., and James, D. G., 1965: An experimental determination of the atmospheric temperature profile by indirect means. Nature, 205 (4979), 489-491.
- Hilleary, Don T., Wark, David Q., and Siedy, F., 1967: Indirect measurements of atmospheric and surface temperatures. Proceedings of the XVII Astronautical Congress, Madrid 1966, Polish Science Publication, Warsaw, 1967.
- Holmes, D. W., 1968: Meteorological telecommunication by satellite--report on the WEFAX experiment. World Meteorological Organization Bulletin, 17 (2), 63-68.
- Holmes, D. W., and Hunter, C. M., 1964: The automatic picture transmission system of TIROS VIII. World Meteorological Organization Bulletin, 13 (3), 128-134.
- Hoppe, Eugene R., and Ruiz, Abraham L., (Editors), 1974: Catalog of operational satellite products. NOAA Technical Memorandum NESS 53, 91 pp. (COM-74-11339/AS).

- Howell, Hugh B., and Jacobowitz, Herbert, 1970: Matrix method applied to the multiple scattering of polarized light. Journal of Atmospheric Sciences, 27 (8), 1195-1206. (COM-71-00190).
- Hubert, Lester F., 1961: Canadian grids for TIROS I, additional orientation data, errata. Meteorological Satellite Laboratory Report No. 5, (Supplement), 11 pp. (N62 11117).
- Hubert, Lester F., 1961: A Southern Hemisphere case study with TIROS I data. Monthly Weather Review, 89 (7), 229-232.
- Hubert, Lester F., 1961: A subtropical convergence line of the South Pacific. Journal of Geophysical Research, 66 (3), 797-812.
- Hubert, Lester F., 1961: TIROS I--Camera attitude data, analysis of location errors and derivation of correction for calibration. Meteorological Satellite Laboratory Report No. 5, 63 pp. (PB 180-588).
- Hubert, Lester F., 1961: Tropical cloudiness, severe storms, and convective cells. Proceedings of the International Meteorological Satellite Workshop, Nov. 13-22, 1961, NASA and Dept. of Commerce, Washington, D. C., Government Printing Office, 75-89.
- Hubert, Lester F., 1962: Middle latitudes of the Northern Hemisphere--TIROS data as an analysis aid. COSPAR, Proceedings of the International Symposium on Rocket and Satellite Meteorology, Washington, D. C., April 1962, Abstracts.
- Hubert, Lester F., 1963: The use of satellite data in tropical meteorology. Symposium on Tropical Meteorology, New Zealand, Nov. 1963, WMO TMS/Doc. 4, Preprint, World Meteorological Organization, Geneva, 527-552.
- Hubert, Lester F., 1964: A numerical experiment in supplementing tropical analysis with satellite pictures. Geofisica International, 4 (2), 85-98.
- Hubert, Lester F., 1965: Convection on the mesoscale. Proceedings of the 1964 Army Conference on Tropical Meteorology, University of Miami, Dec. 1964, Hiser and Gerrish, Eds., 117-126.
- Hubert, Lester F., 1966: Mesoscale cellular convection. Meteorological Satellite Laboratory Report No. 37, 68 pp. (PB 170 814).
- Hubert, Lester F., 1967: Analysis of island effects from ATS data. Proceedings of the Symposium on Mountain Meteorology, June 26, 1967, Fort Collins, Colorado, Atmospheric Science Paper No. 122, E. R. Reiter and J. L. Rasmussen, Eds., Colorado State University, 147-154.
- Hubert, Lester F., 1968: Meteorological satellites. In McGraw-Hill Yearbook on Science and Technology, McGraw-Hill, 253-255.

- Hubert, Lester F., 1969: Comments on the Eastern Pacific hurricane season of 1968. Monthly Weather Review, 97 (7), 521-522.
- Hubert, Lester F., 1973: Techniques for deriving winds from cloud movement. 19th Annual Meeting of American Astronautical Society, Dallas, Texas, June 19-20, 1973, American Astronautical Society, Tarzana, Calif., Vol. 30, 479-514.
- Hubert, Lester F., 1974: Compatibility of rawins and satellite winds. Preprint Vol. (Part 1), International Tropical Meteorology Meeting, Jan. 31-Feb. 7, 1974, Nairobi, Kenya, American Meteorological Society Boston, 11-14.
- Hubert, Lester F., and Koffler, Russell, 1973: Picture of the month--VHRR imagery of an inversion. Monthly Weather Review, 101 (3), 262-263.
- Hubert, Lester F., Krueger, Arthur F., and Winston, Jay S., 1969: The double intertropical convergence zone--fact or fiction? Journal of the Atmospheric Sciences, 26 (4), 771-773.
- Hubert, Lester F., and Lehr, Paul E., 1967: Weather Satellites. Blaisdell Publishing Co., 120 pp.
- Hubert, Lester F., and Timchalk, Andrew, 1964: Accuracy of TIROS hurricane location. Journal of Applied Meteorology, 3 (2), 203-205.
- Hubert, Lester F., and Timchalk, Andrew, 1972: Convective clouds as tracers of air motion. NOAA Technical Memorandum NESS 40, 12 pp. (COM 72 11421).
- Hubert, Lester F., and Timchalk, Andrew, 1969: Estimating hurricane wind speeds from satellite pictures. Monthly Weather Review, 97 (5), 382-383.
- Hubert, Lester F., Timchalk, Andrew, and Fritz, Sigmund, 1969: Estimating maximum wind speed of tropical storms from high resolution infrared data. ESSA Technical Report NESC 50, 31 pp. (PB 184 611).
- Hubert, Lester F., and Whitney, Linwood F., Jr., 1974: Compatibility of low-cloud vectors and rawins for synoptic scale analysis. NOAA Technical Report NESS 70, 26 pp. (COM 75-50065/AS).
- Hubert, Lester F., and Whitney, Linwood F., Jr., 1971: Wind estimation from geostationary-satellite pictures. Monthly Weather Review, 99 (9), 665-672.
- Hussey, W. John, 1974: The geostationary environmental satellite system. Proceedings of EASCON, IEEE 1974 Electronics and Aerospace Systems Conference, Oct. 7-9, 1974, Washington, D. C., Aerospace and Electronic Systems Society, IEEE Washington section, 490-497.

- Jacobowitz, Herbert, 1971: A method for computing the transfer of solar radiation through clouds of hexagonal ice crystals. Journal of Quantitative Spectroscopy and Radiative Transfer, 11 (6), 691-695.
- Jacobowitz, Herbert, and Howell, Hugh B., 1971: On the matrix method applied to multiple scattering of polarized light. Journal of Atmospheric Sciences, 28 (7), 1301-1303.
- Jacobowitz, Herbert, and Coulson, Kinsell L., 1972: The effects of aerosols on the outgoing terrestrial radiation. Preprint of the Conference on Atmospheric Radiation, Aug. 7-9, 1972, Fort Collins, Colo., American Meteorological Society, Boston, 24-28.
- Jacobowitz, Herbert, and Coulson, Kinsell L., 1973: Effects of aerosols on the determination of the temperature of the Earth's surface from radiance measurements at 11.2 μm . NOAA Technical Report NESS 66, 18 pp. (COM 74 50013).
- Jacobowitz, Herbert, Smith, William L., and Drummond, A. J., 1972: Satellite measurements of aerosol backscattered radiation from the NIMBUS F Earth radiation budget experiment. NOAA Technical Report NESS 60, 9 pp. (COM 72 51031).
- Jager, G., Follansbee, W. A., and Oliver, V. J., 1968: Operational utilization of upper tropospheric wind estimates based on meteorological satellite photographs. ESSA Technical Memorandum NESCTM 8, 23 pp. (PB 180 293).
- Jensen, C. E., Winston, Jay S., and Taylor, V. R., 1966: 500-mb heights as a linear function of satellite infrared radiation data. Monthly Weather Review, 94 (11), 641-649.
- Johnson, Arthur W., 1969: Weather satellites: II. Scientific American, 220 (1), 52-68.
- Johnson, David S., 1960: Image sensing as applied to meteorological satellites. Journal of the Society of Motion Picture and Television Engineers, 69 (1), 14-18.
- Johnson, David S., 1960: Meteorological rockets. In Encyclopedia of Science and Technology, McGraw-Hill, Vol. 8, p 321.
- Johnson, David S., 1961: The current U. S. Weather Bureau meteorological satellite program. Proceedings of the International Meteorological Satellite Workshop, Nov. 13-22, 1961, Washington, D. C., National Aeronautics and Space Administration and Department of Commerce, 25-30.
- Johnson, David S., 1961: Meteorology enters the space age. In Encyclopedia Yearbook, Grolier, Inc.
- Johnson, David S., 1961: An operational meteorological satellite system. Proceedings of the International Meteorological Satellite Workshop, Nov. 12-23, 1961, Washington, D. C., National Aeronautics and Space Administration and Department of Commerce, 169-171.

- Johnson, David S., 1962: Meteorological measurements from satellites. Bulletin of the American Meteorological Society, 43 (9), 481-484.
- Johnson, David S., 1962: Meteorological satellites and weather forecasting. Voice of America Forum Lectures, Space Science Series, No. 2, 7 pp.
- Johnson, David S., 1962: Satellites and weather forecasting. Proceedings of the Second National Conference on the Peaceful Uses of Space, Seattle, Washington, May 8-10, 1962, NASA publication SP-8, NASA Goddard Spaceflight Center, Greenbelt, Md., 167-173.
- Johnson, David S., 1965: Statement (excerpts) before the Senate Aeronautical Space Sciences Committee, Mar. 12, 1965. Bulletin of the American Meteorological Society, 46 (4), 200-202.
- Johnson, David S., 1966: The impact of satellites on meteorology. Impact of Space Exploration on Society, Science and Technology Series, American Astronautical Society, Vol. 8, 263-268.
- Johnson, David S., 1970: The global atmospheric research program. Astro-nautics and Aeronautics, 8 (10), 28-32.
- Johnson, David S., Hall W. F., and Bristor, Charles L., 1963: Nimbus data in operational meteorology. Astronautics and Aerospace Engineering, 1 (3), 52-56.
- Johnson, David S., Neiberger, M., and Chien, C., 1961: Studies of the structure of the atmosphere over the Eastern North Pacific Ocean. Publication in Meteorology, 1 (1), 94 pp.
- Johnson, H. McClure, 1963: The intertropical convergence as revealed by the TIROS weather satellites. Proceedings of the Third Technical Conference on Hurricanes and Tropical Meteorology, Mexico City, June 6-12, 1963, Geofisica International, 3 (3/4), 91-102.
- Johnson, H. McClure, 1966: Motions in the upper troposphere as revealed by satellite observed cirrus formations. ESSA Technical Report NESC 39, 92 pp. (PB 173 996).
- Johnson, H. McClure, and Fett, Robert W., 1964: Tropospheric conditions over the tropical Atlantic as observed by two TIROS satellites and research aircraft during 22 Sept. 1962. Meteorological Satellite Laboratory Report No. 29, (Figures 1 through 14, aircraft cloud photographs). (PB 167-178).
- Johnson, H. McClure, and Holle, R. L., 1969: Observations and comments on two simultaneous cloud holes over Miami. Bulletin of the American Meteorological Society, 50 (3), 157-161.

- Johnson, H. McClure, and Holle, Ronald L., 1972: Ship and satellite-observed clouds and lee waves near the Bering Strait. Mariners Weather Log, 16 (3) 143-148.
- Johnston, Edward C., 1974: Picture of the month--rapid frontal wave development. Monthly Weather Review, 102 (11), 804-806.
- Jones, G. D., Hilleary, Don T., and Fridovich, Bernard, 1965: A diffuse light source for calibrating meteorological satellite television cameras. Applied Optics, 4 (3), 307-309.
- Jones, J. B., and Mace, Lee M., 1963: TIROS meteorological operations. Astronautics and Aerospace Engineering, 1 (3), 32-36.
- Koffler, Russell, DeCotiis, Arthur G., and Rao, P. Krishna, 1973: A procedure of estimating cloud amount and height from infrared radiation data. Monthly Weather Review, 101 (3), 240-243.
- Krueger, Arthur F., and Fritz, Sigmund, 1961: Cellular cloud patterns revealed by TIROS I. Tellus, 13 (1) 1-7.
- Krueger, Arthur F., and Gray, Thomas I., 1969: Long-term variations in equatorial circulation and rainfall. Monthly Weather Review, 97 (10), 700-711.
- Krueger, Arthur F., Winston, Jay S., and Haines, Donald A., 1965: Computations of atmospheric energy and its transformation for the Northern Hemisphere for a recent five-year period. Monthly Weather Review, 93 (4), 227-238.
- Krueger, Arthur F., and Winston, Jay S., 1974: A comparison of the flow over the tropics during two contrasting circulation regimes. Journal of the Atmospheric Sciences, 31 (2), 358-370.
- Kuettner, J. P., and Soules, Stanley D., 1966: Organized convection as seen from space. Bulletin of the American Meteorological Society, 47 (5), 364-370.
- LaViolette, Paul E., and Strong, Alan E., 1974: Infrared and visible imagery of the Atlantic off the East Coast of the United States following the March 1973 Monster of the Month. Mariners Weather Log, 18 (3), 152-153.
- Leese, John A., and Novak, Charles S., 1972: Reply to an automated technique for obtaining cloud motion from geosynchronous satellite data using cross correlation. Journal of Applied Meteorology, 11 (4), 754-755.
- Leese, John A., Novak, Charles S., and Clark, Bruce B., 1971: An automated technique for obtaining cloud motion from geosynchronous satellite data using cross correlation. Journal of Applied Meteorology, 10 (1), 118-132.

- Leese, John A., Pichel, William C., Goddard, Brent B., and Brower, R., 1971: An experimental model for automated detection, measurement and quality control of sea-surface temperatures from ITOS-IR data. Proceedings of the Seventh International Symposium of Remote Sensing of Environment, May 17-21, 1971, University of Michigan, 625-647.
- Leese, John A., Pichel, William G., Goddard, Brent B., and Brower, R., 1971: Factors affecting the accuracy of sea-surface temperature measurements from ITOS-SR data. Proceedings of the AGARD Symposium on Propagation Limitations in Remote Sensing, June 1971, Neuville-Sur-Seine, France, North Atlantic Treaty Organization, Neuville-Sur-Seine, France, 25-1 - 25-13.
- Lehr, Paul E., 1962: Methods of archiving, retrieving, and utilizing data acquired by TIROS meteorological satellites. Bulletin of the American Meteorological Society, 43 (10), 539-548.
- Lehr, Paul E., (Compiler), 1963: Reduction and use of data obtained by TIROS meteorological satellites. Technical Note No. 49, (WMO-No. 131, TP 58), The World Meteorological Organization, Geneva, 58 pp.
- Lo, Robert C., and Johnson, Donald R., 1971: An investigation of cloud distribution from satellite infrared radiation data. Monthly Weather Review, 99 (8), 599-605.
- Longmire, Martin S., 1973: Stratospheric photochemistry of ozone and SST pollution: an introduction and survey of selected developments since 1965. NOAA Technical Memorandum NESS 47, 29 pp. (COM 73 10786).
- Ludwig, George H., 1974: The NOAA operational environmental satellite system--status and plans. Preprint Volume, 6th Conference on Aerospace and Aeronautical Meteorology, Nov. 12-15, 1974, El Paso, Texas, American Meteorological Society, Boston, 137-145.
- Ludwig, George H., 1974: The future polar orbiting environmental satellite system. Proceedings of EASCON, IEEE 1974 Electronics and Aerospace Systems Conference, Oct. 7,8,9, 1974, Washington, D. C., Aerospace and Electronic Systems Society, IEEE Washington section, 498-502.
- Lyttleton, R. A., and Singer, S. Fred, 1964: Dynamical considerations relating to the West Ford Experiment. In Torques and Attitude Sensing in Earth Satellites, Academic Press, 107-115.
- Mairs, R. L., and Clark, Dennis K., 1973: Remote sensing of estuarine circulation dynamics. Photogrammetric Engineering, 39 (9), 927-938.
- Martin, George E., and Rubin, Louis, 1964: Automatic processing of Nimbus infrared radiometer data. Meteorological Satellite Laboratory Report No. 28, 34 pp. (PB 166 590).

- McClain, E. Paul, 1966: On the relation of satellite-viewed cloud conditions to vertically-integrated moisture fields. Monthly Weather Review 94 (8), 509-514.
- McClain, E. Paul, 1969: Report on the ice program of the National Environmental Satellite Center, ESSA. Abstract from Workshop Seminar on Ice Drift and Related Studies, March 1969, Marine Science Center, Montreal, Canada, Manuscript Report No. 13, McGill University, Montreal, 30-37.
- McClain, E. Paul, 1971: Remote sensing of sea ice from Earth satellites. Proceedings of International Workshop on Earth Resources Survey Systems, May 3-14, 1971, University of Michigan, Ann Arbor, Michigan, 581-593.
- McClain, E. Paul, 1972: Environmental Earth satellites useful for oceanographic-meteorological studies of the Bering Sea. Proceedings of International Symposium for Bering Sea Study, Jan. 31-Feb. 4, 1972, Hokodate, Japan.
- McClain, E. Paul, 1972: Special displays of satellite infrared data for sea ice monitoring. NASA, Manned Spacecraft Center, 4th Annual Earth Resources Program Review, 4 (84) 11 pp.
- McClain, E. Paul, 1973: Detection of ice conditions in the Queen Elizabeth Islands. Earth Resources Technology Satellite - 1 Symposium Proceedings, NASA Publication S-650-73-10, NASA, Goddard Spaceflight Center, Greenbelt, Md., 127-128.
- McClain, E. Paul, 1973: Quantitative use of satellite vidicon data for delimiting sea ice conditions. Arctic, 26 (1), 45-57.
- McClain, E. Paul, 1973: Utilization of Earth satellite visible and infrared imagery for determination of snow and ice conditions. Les Satellites Meteorologiques, Colloque International, Center National d'Etudes Spatiales, Paris, France, May 1973, 221-230.
- McClain, E. Paul, 1974: Environmental Earth satellites for oceanographic-meteorological studies of the Bering Sea. In Oceanography of the Bering Sea, Institute of Marine Science, University of Alaska, 579-593.
- McClain, E. Paul, 1974: Earth satellite measurements as applied to sea ice problems. COSPAR, Approaches to Earth Survey Problems Through Use of Space Techniques. Proceedings of the Symposium Held in Constance, Free Republic of Germany, May 23-25, 1973, Akademie-Verlag-Berlin, 149-163.
- McClain, E. Paul 1974: Some new satellite measurements and their application to sea ice analysis in the Arctic and Antarctic. In Advance Concepts and Techniques in the Study of Snow and Ice Resources, ISBN 0-309-02235-5, National Academy of Sciences, Washington, D.C., 457-466.
- McClain, E. Paul, and Baker, D. R., 1969: Experimental large-scale snow and ice mapping with composite minimum brightness charts. ESSA Technical Memorandum NESCTM 12, 19 pp. (PB 186-362).

- McClain, E. Paul, and Baliles, Maurice D., 1971: Sea ice surveillance from Earth satellites. Mariners Weather Log, 15 (1), 1-4.
- McClain, E. Paul, Ruzecki, Mary Ann, and Brodrick, Harold J., 1965: Experimental use of satellite pictures in numerical prediction. Monthly Weather Review, 93 (7), 445-452.
- McClain, E. Paul, and Stong, Alan E., 1969: On anomalous dark patches in satellite-viewed sunglint areas. Monthly Weather Review, 97 (12), 875-884.
- McClain, E., Paul, and Whitney, Linwood F., Jr., 1963: Project storm cloud --an aircraft-satellite case study of an East Coast cyclone, Part I. Descriptive Aspects. Meteorological Satellite Laboratory Report No. 35, 49 pp. (PB 169 651).
- McGinnis, David F., 1972: Detecting melting snow and ice by visible and near-infrared measurements from satellites. WMO - 1 Session of Symposium on Measurement and Forecasting in the International Symposia on the Role of Snow and Ice in Hydrology, Preprint, September 9, 1972, Banff, Alberta, Canada, 10 pp.
- McGinnis, David F., 1972: Satellite detection of melting snow and ice by simultaneous visible and near-IR measurements. Proceedings of Eight International Symposium on Remote Sensing of Environment, Ann Arbor, Michigan, Oct. 1972.
- McMillin, Larry M., et. al., 1973: Satellite infrared soundings from NOAA spacecraft. NOAA Technical Report NESS 65, 112 pp. (COM 73 50936/6AS).
- Meteorological Satellite Laboratory, Staff, 1961: Nimbus data utilization plan. Meteorological Satellite Laboratory Report No. 6, 28 pp. (PB 163 732).
- Miller, Joseph A., 1973: Picture of the month -- dry air intrusion into a low-level moist tongue as viewed by ATS-3. Monthly Weather Review, 101 (7), 594-595.
- Mook, C. P. and Johnson, David S., 1959: A proposed weather radar and beacon system for use with meteorological Earth satellites. Proceedings of the Third National Convention on Military Electronics, June 29-July 1, 1959, Institute of Radio Engineers, 206-209.
- Morgan, William A., 1972: Temperature measurement, monitoring, and control of a Michelson interferometer for ambient-temperature emission spectroscopy. Presented at the Fifth Symposium on Temperature, June 21-24, 1971, Washington, D.C., Instrument Society of America, Pittsburgh, Pa., 1321-1337. (COM 73 11076).

- Nagle, John J., 1974: A method of converting the SMS/GOES WEFAX frequency (1691 MHz) to the existing APT/WEFAX frequency (137 MHz). NOAA Technical Memorandum NESS 54, 18 pp. (COM-74-11294/AS).
- Nagle, Roland E., and Hayden, Christopher M., 1971: The use of satellite observed cloud patterns in Northern Hemisphere 500-mb numerical analysis. NOAA Technical Report NESS 55, 25 pp. (COM-73-50262).
- Nagler, K. M., and Soules, Stanley D., 1965: Cloud photography from the Gemimi 4 spaceflight. Bulletin of the American Meteorological Society 46 (9), 522-527.
- Nagler, K. M., and Soules, Stanley D., 1967: 'The Gemimi weather photography experiment. Proceedings of the 17th International Astronautical Federation Congress, Madrid, Oct. 1966.
- National Environmental Satellite Center, Staff, 1965: APT Users Guide. Environmental Science Services Administration, Rockville, Md., 100 pp.
- National Environmental Satellite Center, Staff, 1969: Direct Transmission Users Guide (supersedes APT Users Guide). Environmental Sciences Services Administration, Rockville, Md., 148 pp.
- National Environmental Satellite Service, Staff, 1974: Publications and final reports on contracts and grants, 1973. NOAA Technical Memorandum NESS 55, 8 pp. (COM-74-11108/AS).
- National Environmental Satellite Service, Staff, 1974: Satellite Activities of NOAA, 1973. National Oceanic and Atmospheric Administration, 11 pp.
- Nesh, Florence, 1963: Method for vacuum evaporation of silicon oxide films. Review of Scientific Instruments, 34 (12), p. 1437.
- Nesh, Florence, 1963: The wear of magnetic recording tape and solubility of the binder. IEEE Transactions on Audio, AU 11 (3).
- Nesh, Florence, 1964: A study of magnetic recording materials by electron microscopy. IEEE Transactions on Audio, AU-12 (3), pp. 55-59.
- Nesh, Florence, 1972: Chromium dioxide recording-its characteristics and potential for telemetry. NOAA Technical Memorandum NESS 34, 10 pp.
- Novak, C. S., 1969: Deriving upper tropospheric winds by computer from single image, digital satellite data. ESSA Technical Memorandum NESCTM 13, 32 pp. (PB 185 086).
- O-Keefe, J. A., Dunkleman, L., Soules, S. D., Hirsch, W. F., and Lowman, P. D. Jr., 1963: Observations of space phenomena. In Fourth Manned Orbital Flight, May 15-16, 1963, NASA SP-45, 327-347.

- Oliver, Vincent J., 1967: Some application of space observations to meteorology, oceanography and hydrology. Preprint for Fourth Annual Meeting and Technical Display of the American Institute of Aeronautics and Astronautics Oct. 23-27, 1967, Anaheim, California, American Institute of Aeronautics and Astronautics, 1-10.
- Oliver, Vincent J., and Anderson, Ralph K., 1969: Circulation in the tropics as revealed by satellite data. Bulletin of The American Meteorological Society, 50 (9), 702-707.
- Oliver, Vincent J., Anderson, Ralph K., and Ferguson, Edward W., 1964: Some examples of the detection of jet streams from TIROS photographs. Monthly Weather Review, 92 (10), 441-448.
- Oliver, Vincent J., and Parmenter, Frances C., 1973: Weather forecasting with the aid of satellite data. Ninth Annual Meeting of the American Institute of Aeronautics and Astrophysics, Jan. 8-10, 1973, Washington, D.C., American Institute of Aeronautics and Astrophysics, 7 pp.
- Parmenter, Frances C., 1971: March East Coast storm. Weatherwise, 24 (3), p. 137.
- Parmenter, Frances C., 1971: From above: a lake-effect snowstorm. Weatherwise, 24 (1), p. 39.
- Parmenter, Frances C., 1971: From above: a late summer snowstorm and hurricane Edith. Weatherwise, 24 (6), p. 297.
- Parmenter, Frances C., 1971: From above: tropical storm Doria. Weatherwise, 24 (5), p. 249.
- Parmenter, Frances C., 1971: Picture of the month--infrared view of an Atlantic storm. Monthly Weather Review, 99 (12), p. 979.
- Parmenter, Frances C., 1971: Picture of the month--a nighttime infrared view. Monthly Weather Review, 99 (5), 372-373.
- Parmenter, Frances C., 1971: Picture of the month--smoke from slash burning operations. Monthly Weather Review, 99 (9), 684-685.
- Parmenter, Frances C., 1972: Picture of the month--comparison of visible infrared and moisture channel data. Monthly Weather Review, 100 (4), 318-321.
- Parmenter, Frances C., 1972: Picture of the month--near simultaneous aircraft and satellite observations over Western Canada and the Northeast Pacific. Monthly Weather Review, 100 (2), 168-170.
- Parmenter, Frances C., 1972: Picture of the month--severe weather situation March 28, 1972. Monthly Weather Review, 100 (6), 509-510.

- Parmenter, Frances C., 1972: Picture of the month--ship trails or anomalous cloud lines. Monthly Weather Review, 100 (8), 646-647.
- Parmenter, Frances C., 1972: Picture of the month--spring ice migration near Newfoundland. Monthly Weather Review, 100 (9), 690-691.
- Parmenter, Frances C., 1972: Use of satellite data in East Coast snowstorm forecasting. NOAA Technical Memorandum NESS 33, 21 pp. (COM-72-10482).
- Parmenter, Frances C., 1974: Picture of the month--cirrus and upslope cloud patterns, Monthly Weather Review, 102 (1), 88-90.
- Parmenter, Frances C., and Wright, Stanley W., 1972: Picture of the month--thin line convection. Monthly Weather Review, 100 (12), 880-881.
- Phillips, Henry L., and Rubin Louis 1972: Operational processing of solar proton monitor and flat plate radiometer data. NOAA Technical Memorandum NESS 29, 20 pp. (COM-72-10719).
- Pichel, William, Bristor, Charles L., and Brower, Robert, 1973: Artificial stereo: a technique for combining multi-channel satellite image data. Bulletin of the American Meteorological Society, 54 (8), 688-691. (COM-73-11850/AS),
- Popham, Robert W., 1968: Satellite applications to snow hydrology 1968. Reports on WMO/IHD Projects, Report No. 7, World Meteorological Organization, Geneva, 10 pp.
- Popham, Robert W., and Samuelson, R. E., 1965: Polar exploration with Nimbus. In Observations from the Nimbus I Meteorological Satellite, NASA SP-89, 47-59,
- Popham, Robert W., and Samuelson, R. E., 1965: Polar exploration with Nimbus meteorological satellite. Arctic, 18 (4), 246-255.
- Purdom, James F. W., 1973: Picture of the month--meso-highs and satellite imagery. Monthly Weather Review, 101 (2), 180-181.
- Purdom, James F. W., 1973: Satellite imagery and the mesoscale forecast problem. Eighth Conference on Severe Local Storms, Kansas City, Oct. 6, 1973, American Meteorological Society, Boston, Preprint volume, 244-251.
- Pyle, Robert L. 1961: Archiving of TIROS data. Proceedings of the International Meteorological Satellite Workshop, Nov. 13-22, 1961, Washington, D. C., NASA and Department of Commerce, Washington, D. C., Government Printing Office, 153-155.
- Pyle, Robert L., 1963: Documentation for TIROS IV television data. Meteorological Satellite Laboratory Report No. 16, 22 pp. (PB 163 742).
- Pyle, Robert L., 1964: Lowlight coverage from polar and sun-synchronous orbits. Meteorological Satellite Laboratory Report No. 30, 20 pp. (AD 600 970).

- Pyle, Robert L., 1965: Meteorological satellite data, archiving and availability. Bulletin of the American Meteorological Society, 46 (11), 707-713.
- Pyle, Robert L., 1972: Weather satellite capabilities: present and future. Weatherwise, 25 (5), 209-219.
- Pyle, Robert L., and Singer, S. Fred, 1963: An analysis of CDA station effectiveness in relation to satellite orbit. Meteorological Satellite Laboratory Report No. 18, 27 pp. (PB 163 744).
- Pyle, Robert L., and Singer, S. Fred, 1965: Dependence of ground station acquisition effectiveness on geographic location and satellite orbit. Journal of Spacecraft and Rockets, 2 (3), 410-415.
- Pyle, Robert L., and Novotny, Louis, 1961: Catalog of radarscope photography concurrent with TIROS I Satellite observations. Meteorological Satellite Laboratory Paper, 4 pp.
- Quiroz, R. S., Weinreb, Michael P., and Wark, David Q., 1974: Operational radiance maps of the stratosphere, with preliminary details of a major stratospheric warming. COSPAR, Space Research XIV, Proceedings of Open Meetings of Working Groups of the Sixteenth Plenary Meeting of COSPAR, Constance, Free Republic of Germany, May 23-June 5, 1973, Akademie-Verlag-Berlin, p. 3137.
- Ramsey, William Y., 1964: Specular spectral reflectance of paints from 0.4 to 40.0 microns. Meteorological Satellite Laboratory Report No. 31, 11 pp. (PB 167 179).
- Ramsey, William Y., and Alishouse, John C., 1968: A comparison of infrared sources. Infrared Physics, 8, 143-152.
- Rao, P. Krishna, 1964: Seasonal variations of outgoing long-wave radiations as observed by TIROS II and TIROS III satellites. Weather, 19 (3), 88-89.
- Rao, P. Krishna, 1966: A study of the onset of the monsoon over India during 1962 using TIROS IV radiation data. Indian Journal of Meteorology and Geophysics, 17 (3), 347-356.
- Rao, P. Krishna, 1968: Sea surface temperature measurements from satellites. Mariners Weather Log, 12 (5), 152-154.
- Rao, P. Krishna, 1971: Remote sensing of sea surface temperature from Earth satellites. Proceedings of International Workshop of Earth Resources Survey Systems, May 3-14, 1971, Ann Arbor, Michigan, University of Michigan, 594-606.

- Rao, P. Krishna, 1972: Remote sensing of urban "heat islands" from an environmental satellite. Bulletin of the American Meteorological Society, 53 (7), 647-648. (COM 72 11465).
- Rao, P. Krishna, 1972: Sea surface temperature distribution over the Arabian Sea determined from satellite infrared radiation measurements. Indian Journal of Meteorology and Geophysics, 23 (4), 531-533.
- Rao, P. Krishna, 1974: An evaluation of May 1971 satellite-derived sea surface temperatures for the Southern Hemisphere. NOAA Technical Report NESS 69, 13 pp. (COM-74-50643/AS).
- Rao, P. Krishna, Astling, E. G., and Winninghoff, F.J., 1965: An investigation of degradation errors in TIROS IV scanning radiometer data and the determination of correction factors. Meteorological Satellite Laboratory Report No. 34, 22 pp. (PB 169 053).
- Rao, P. Krishna, Curtis, W. R., Strong, A. E., and McClain, E. Paul, 1969: Remote sensing of sea surface temperatures. Proceedings of the Sixth Space Congress, Space Technology and Society, Cocoa Beach, Florida, March 17-19, 1969, Canaveral Council of Technical Sciences, 5-1-- 5-12.
- Rao, P. Krishna, and McClain, E. Paul, 1974: Images from the NOAA-3 very high resolution radiometer over the North Sea and adjoining countries. Weather, 29 (12), 436-442.
- Rao, P. Krishna, Smith, William L., and Koffler, Russell, 1972: Global sea-surface temperature distribution determined from an environmental satellite. Monthly Weather Review, 100 (1), 10-14.
- Rao, P. Krishna, Strong, Alan E., and Koffler, Russell, 1971: Gulf Stream meanders and eddies as seen in satellite infrared imagery. Journal of Physical Oceanography, 1 (3), 237-239.
- Rao, P. Krishna, Strong, Alan E., and Koffler, Russell, 1971: Sea surface temperature mapping off the Eastern United States using NASA's ITOS satellite. Proceedings of the Seventh International Symposium on Remote Sensing of Environment, May 17-21, 1971, Ann Arbor, Michigan, University of Michigan, 683-691.
- Rao, P. Krishna, and Winston, Jay S., 1963: An investigation of some synoptic capabilities of atmospheric window measurements from satellite TIROS II. Journal of Applied Meteorology, 2 (1), 12-23.
- Reiter, E. R., and Whitney, Linwood F., Jr., 1965: Subtropical or polar front jet stream? Atmospheric Science Technical Paper, No. 66, Colorado State University, Contract No. Cwb-10879, 11 pp.
- Reiter, E. R., and Whitney, Linwood F., 1969: Interaction between subtropical and polar front jet stream. Monthly Weather Review, 97 (6), 432-439.

- Richardson, P. L., Strong, Alan E., and Knauss, J. S., 1973: Gulf Stream eddies: recent observation in the Western Sargasso Sea. Journal of Physical Oceanography, 3 (3), 297-301. (COM 73 11807/AS).
- Rubin, Louis, Phillips, Henry L., and Brown, Stanley, R., 1973: Operational processing of solar proton monitor data. NOAA Technical Memorandum NESS 49, 17 pp. (COM 73 11647/AS).
- Ruff, Irwin, S., 1971: The intersection of a cone and sphere: a contribution to the geometry of satellite viewing. Journal of Applied Meteorology, 10 (3), 607-609.
- Ruff, Irwin, Koffler, Russell, Fritz, Sigmund, Winston, Jay S., and Rao, P. K., 1967: Angular distribution of solar radiation reflected from clouds as determined from TIROS IV radiometer. ESSA Technical Report NESC 38, 64 pp.
- Ruzecki, Mary Ann, 1963: The use of satellite cloud photographs in numerical weather prediction. Meteorological Satellite Laboratory Report No. 23, 17 pp. (AD 428-269).
- Saha, K. R., Sikka, D. R., and Rao, P. Krishna, 1968: Some flow features of the Indian monsoon deduced from Nimbus II radiation data. Scientific Report No. 83, Indian Meteorological Department, 806-813.
- Saiedy, F., Hilleary, Don T., and Morgan, W. A., 1965: Cloud-top altitude measurements from satellites. Applied Optics 4 (4), 495-500.
- Saiedy, F., Hilleary, Don T., and Wark, David Q., 1965: Cloud-top and surface temperatures and temperature soundings from satellites. Presented at the International Symposium on Electromagnetic Sensing of the Earth from Satellites, Miami Beach, Fla., Nov. 22-24, 1965.
- Saiedy, F., Jacobowitz, Herbert, and Wark, David Q., 1967: On cloud-top determination from Gemini 5. Proceedings of the 17th Astronautical Congress, Madrid, 1966, Journal of Atmospheric Science, 24 (1), 63-69.
- Saiedy, F., and Jones, G. D., 1968: Bi-directional reflectance measurements for satellite calibration targets in the visible infrared. Applied Optics, 7 (3), 429-434.
- Saiedy, F., Morgan, W. A., and Wark, David Q., 1965: Determination of cloud altitudes from Gemini-Titan-5. Nature, 208 (5012), p. 775.
- Saiedy, F., Wark, David Q., and Morgan, W. A., 1965: On cloud measurements from Gemini-5 using reflected solar radiation. Presented at the International Symposium on Electromagnetic Sensing of the Earth from Satellites, Miami Beach, Fla., Nov. 22-24, 1965.

- Schuetz, J., and Fritz, Sigmund, 1961: Cloud streets in the Caribbean Sea. Monthly Weather Review, 89 (10), 375-382.
- Schwalb, Arthur, 1972: Modified version of the improved TIROS operational satellite (ITOS D-G). NOAA Technical Memorandum NESS 35, 48 pp. (COM-72-10547).
- Schwalb, Arthur, and Gross, J., 1969: Vidicon data limitations. ESSA Technical Memorandum NESCTM 17, 22 pp. (PB 185 966).
- Shen, William C., and Smith, William L., 1971: On the discrepancy between calculated and observed Nimbus II 6.7 μ m water vapor radiation. Journal of Applied Meteorology, 10 (3), 575-581.
- Shen, William C., and Smith, William L., 1973: Statistical estimation of precipitable water with SIRS-B water vapor radiation measurements. Monthly Weather Review, 101 (1), 24-32.
- Sherman, John W., III, 1973: Aerospace remote sensing oceanography. Environmental Data Service, September issue. National Oceanic and Atmospheric Administration, Rockville, Md., 3-12.
- Siler, R. L., 1965: Weather note--a typical funnel cloud in Hawaii. Monthly Weather Review, 93 (5), p. 322.
- Simpson, R. H., Frank, Neil, Shideler, David, and Johnson, H. McClure, 1969: Atlantic tropical disturbances of 1968. Monthly Weather Review, 97 (3), 240-255.
- Singer, S. F., 1963: Exploration by weather satellites. Explorers Journal 61 (1), 30-34.
- Singer, S. F., 1963: Particle orbits in the geomagnetic field. Seminar on the Study of Cosmic Radiation from Interplanetary Space, Vatican City, 1963, Pontifical Academy Scripta Varia., Review paper No. 111.
- Singer, S. F., 1963: A satellite view of the weather. The Marine Observer, 33 (201), 141-144.
- Singer, S. F., 1963: Survey of weather satellite achievements. Proceedings of the 14th International Astronautical Federation of Congress, Paris, 1963, Springer Verlag, Vienna, 1-13.
- Singer, S. F., 1963: On the use of redundancy in the design of operational satellites. Meteorological Satellite Laboratory Report No. 17, 7 pp. (PB 163 743).
- Singer, S. F., 1964: Forces and torques due to coulomb interaction with the magnetosphere. In Torques and Attitude Sensing in Earth Satellites, Academic Press, New York, 99-105.

- Singer, S. F., and Popham, Robert W., 1963: Non-meteorological observations from weather satellites. Astronautics and Aerospace Engineering, 1 (3), 89-92.
- Smith, Arthur H., 1974: What are you looking at when you say this area is a suspect area for severe weather? NOAA Technical Memorandum NESS 56, 15 pp. (COM-74-11333/AS).
- Smith, W. L., 1969: The improvement of clear column radiance determination with a supplementary 3.8 μm window channel. ESSA Technical Memorandum NESCTM 16, 17 pp. (PB 185 065).
- Smith, William L., 1969: Statistical estimation of the atmosphere's geopotential height distribution from satellite radiation measurements. ESSA Technical Report NESC 48, 29 pp. (PB 183 297).
- Smith, W. L., 1969: A polynomial representation of carbon dioxide and water vapor transmission. ESSA Technical Report NESC 47, 20 pp. (PB 183 296).
- Smith, William L., 1971: Calculation of clear-column radiances using airborne infrared temperature profile radiometer measurements over partly cloudy areas. NOAA Technical Memorandum NESS 28, 18 pp. (COM -71 - 00556).
- Smith, William L., 1972: Reduction of satellite sounding measurements. Second Symposium on Meteorological Observations and Instrumentation, Mar. 27-30, 1972, San Diego, Calif., American Meteorological Society, Boston, 74-78.
- Smith, William L., 1972: Satellite techniques for observing the temperature structure of the atmosphere. Bulletin of the American Meteorological Society, 53 (11), 1074-1082.
- Smith, William L., et al., 1972: The airborne ITPR brassboard experiment. NOAA Technical Report NESS 58, 74 pp. (COM-72-10557).
- Smith, William L., and Fawcett, Edwin B., 1971: Operational use of SIRS data. Presented in Lectures of Satellite and Computer Applications to Synoptic Meteorology, WMO-No. 283, Geneva, June 15-July 3, 1970, World Meteorological Organization, Geneva, 39-62. (COM-72- 10715).
- Smith, William L., and Fleming, Henry E., 1972: Statistical versus non-statistical temperature-inversion methods. In NASA Technical Memorandum X-62, 150, National Aeronautics and Space Administration, Greenbelt, Md., 1-50 - 1-55.
- Smith, William L., Hilleary, Donald T., Fischer, J. C., Howell, Hugh B., and Woolf, Harold M., 1974: The Nimbus-5 ITPR experiment. Applied Optics, 13 (3), 499-506.

- Smith, William L., and Howell, Hugh B., 1971: Vertical distributions of atmospheric water vapor from satellite infrared spectrometer measurements. Journal of Applied Meteorology, 10 (5), 1026-1034.
- Smith, William L., and Howell, Hugh B., 1972: The measurement of atmospheric transmittance from sun and sky with an infrared vertical sounder. NOAA Technical Report NESS 61, 16 pp. (COM-73-50020).
- Smith, William L., and Jacob, Warren Jr., 1972: Radiometric techniques for observing the atmosphere from aircraft. Conference on Atmospheric Radiation, Aug. 7-9, Fort Collins, Colo., American Meteorological Society, 307-312. (COM-72-11415).
- Smith, William L., and Jacob, Warren J., 1973: Radiometric techniques for observing the atmosphere from aircraft. NOAA Technical Report NESS 64, 12 pp. (COM-73-50376).
- Smith, William L., and Rao, P. K., 1972: The determination of surface temperature from satellite window radiation measurements. Presented at the Fifth Symposium of Temperature, June 21-24, 1971, Washington, D. C. Instrument Society of America, Pittsburgh, Pa., 2251-2257. (COM-73-11029).
- Smith, W. L., Staelin, D. H., and Houghton, J. T., 1973: Intercomparison and amalgamation of NIMBUS-5 infrared and microwave temperature profile data. Proceedings WMO/CNES International Symposium on Meteorological Satellites, Paris, France, May 21-24, 1973, Les Satellites Meteorologiques, 139-145.
- Smith, William L., Staelin, D. H., and Houghton, J. T., 1974: Vertical temperature profiles from satellites: results from second generation instruments aboard Nimbus 5. COSPAR, Approaches to Earth Survey Problems Through Use of Space Techniques, Proceedings of the Symposium Held in Constance, Free Republic of Germany, May 23-25, 1973, Akademie-Verlag-Berlin, 123-143.
- Smith, William L., and Wark, David Q., 1972: Meteorological results from NIMBUS SIRS observations. COSPAR, Proceedings of 13th Plenary Meeting, Leningrad, May 20-29, 1970, Space Research XI, Vol.1, Akademie Verlag, Berlin, 555-567.
- Smith, William L., and Woolf, Harold M., 1974: An intercomparison of meteorological parameters derived from radiosonde and satellite vertical temperature cross sections. NOAA Technical Report NESS 71, 13 pp. (COM-75-10432).
- Smith, William L., Woolf, Harold M., Abel, Peter G., Hayden, Christopher M., Chalfant, Michael, and Grody, Norman, 1974: Nimbus-5 sounder data processing system Part I: Measurement characteristics and data reduction procedures. NOAA Technical Memorandum NESS 57, 99 pp. (COM-74- 11436/AS).

- Smith, William L., Woolf, Harold M., and Fleming, Henry E., 1972: Retrieval of atmospheric profiles from satellite measurements for dynamical forecasting. Journal of Applied Meteorology, 11 (1), 113-122. (COM-72-10988).
- Smith, William L., Woolf, H. M., and Hayden, C. M., 1973: Extraction of meteorological data from the Nimbus-5 ITPR experiment. Proceedings WMO/CNES; International Symposium on Meteorological Satellites, Paris, France, May 21-24, 1973, Les Satellites Meteorologiques, 207-217.
- Soules, S., 1963: Spectral reflectance photography of the Earth from Mercury spacecraft MA-8. Meteorological Satellite Laboratory Report No. 22, 29 pp. (PB 167 177).
- Soules, S. D., 1965: Infrared photography of the Earth from Mercury spacecraft MA-8. Meteorological Satellite Laboratory Report No. 25, 18 pp. (PB 176 958).
- Soules, S. D., and Nagler, K. M., 1963: Weather observations from manned space stations. Proceedings of the 14th International Astronautical Federation Congress, Paris, 1963, Springer-Verlag-Vienna.
- Spiro, I. J., Jones, R. Clark, and Wark, David Q., 1965: Atmospheric transmission--concepts, symbols, units and nomenclature. Infrared Physics, 5, 11-36.
- Stowe, Larry L., Jr., 1974: Effects of particulate matter on the radiance of terrestrial infrared radiation: results. Journal of the Atmospheric Sciences, 31 (3), 755-767.
- Strong, A. E., 1969: Comments on space charge over the open ocean. Journal of Atmospheric Sciences, 13 (5), 784-785.
- Strong, Alan E., 1971: Mapping sea-surface roughness using microwave radiometry. Journal of Geophysical Research, 76 (36), 8641-8648.
- Strong, Alan E., 1972: The constraint of sun glint on visible data gathered by Earth satellites. NASA Manned Spacecraft Center 4th Annual Earth Resources Program Review, Houston, Texas, 4 (Sec. 86), 1-13.
- Strong, Alan E., 1972: The influence of a Great Lakes anticyclone on the atmospheric circulation. Journal of Applied Meteorology, 11 (4), 598-612. (COM-72-10959).
- Strong, Alan E., 1972: Comments on ocean spectra for the high-frequency waves as determined from airborne radar measurements. Journal of Marine Research, 20 (1), p. 161.

- Strong, Alan E., 1972: Regional studies using sea surface temperature fields derived from satellite infrared measurements. NASA Manned Spacecraft Center 4th Annual Earth Resources Program Review, Houston, Texas, 4 (Sec. 90), 1-14.
- Strong, Alan E., 1973: Detection of circulation features in the Great Lakes. In NASA Publication X-650-73-10, National Aeronautics and Space Administration, Greenbelt, Md., 133-134.
- Strong, Alan E., 1973: ERTS-1 observes algae blooms in Lake Erie and Utah Lake. Proceedings of Symposium on Significant Results Obtained from the ERTS-1, NASA Goddard Spaceflight Center, Greenbelt, Md., September, 1973, 1605-1612.
- Strong, Alan E., 1973: New sensor on NOAA-2 satellite monitors the 1972-73 Great Lakes ice season. Remote Sensing and Water Resources Management Proceedings No. 17, Burlington, Ontario, June 1973, American Water Resources Association, Urbana, Ill., 171-178.
- Strong, Alan E., 1974: Remote sensing of algae blooms by aircraft and satellite in Lake Erie and Utah Lake. Remote Sensing of Environment, 3 (2), 99-107.
- Strong, Alan, E., and DeRycke, Richard J., 1973: Ocean current monitoring employing a new satellite sensing technique. Science, 182, (4111), 482-484.
- Strong, Alan E., DeRycke, Richard J., and Stumpf, Harry, 1972: Satellite detection of upwelling and cold water eddies. Proceedings of Eighth International Symposium on Remote Sensing of Environment, Oct. 2-6, 1972, Ann Arbor, Michigan, Environmental Research Institute of Michigan, Ann Arbor, Michigan, 1069-1081.
- Strong, Alan E., DeRycke, Richard J., and Stumpf, Harry G., 1974: Extensive area of reduced waves leeward of the Lesser Antilles. Geophysical Research Letters, 1 (1), 47-49.
- Strong, A. E., and McClain, E. P., 1969: Sea-state measurements from satellites. Mariners Weather Log, 13 (5), p. 205.
- Strong, Alan E., McClain, E. Paul, and McGinnis, David F., 1971: Detection of thawing snow and ice packs through combined use of visible and near-infrared measurements from Earth satellites. Monthly Weather Review 99 (11), 828-830.
- Strong, Alan E., and Porter, R. A. 1972: Microwave characteristics of the ocean surface in the 1-10 GHz band. NASA 4th Annual Earth Resources Survey Program Review, Houston, Texas, Jan. 1972, 4 (Sec. 84), 1-19.

- Strong, Alan E., Stumpf, Harry G., Hart, Julia L., and Prichard, John A., 1974: Extensive summer upwelling on Lake Michigan during 1973 observed by NOAA-2 and ERTS-1 satellites. Proceedings of the Ninth International Symposium on Remote Sensing of Environment, Apr. 15-19, 1974, Environmental Research Institute of Michigan, Ann Arbor, Michigan, 923-932.
- Stumpf, Harry G., 1974: A satellite-derived experimental Gulf Stream analysis. Mariners Weather Log, 18 (3), 149-152.
- Stumpf, Harry, and Strong, Alan E., Short Communication: 1974: ERTS-1 views an oil slick. Remote Sensing of Environment, 3 (1), 87-90.
- Stumpf, Harry G., Strong, Alan E., and Prichard, John, 1973: Large cyclonic eddies of the Sargasso Sea. Mariners Weather Log, 17 (4), 208-210.
- Taylor, V. R., and Winston, Jay S., 1968: Monthly and seasonal mean global charts of brightness from ESSA 3 and ESSA 5 digitized pictures. ESSA Technical Report NESC 46, 9 pp. and 17 charts. (PB 180 717).
- Tepper, Morris, and Johnson, David S., 1965: Toward operational weather satellite systems. Astronautics and Aeronautics, 3 (6), 16-26.
- Tepper, Morris, Singer, S. F., and Newhaler, J., 1963: Keeping a weather eye. Astronautics and Aerospace Engineering, 1 (3), 22-24.
- Timchalk, Andrew, and Hubert, Lester F., 1961: Satellite pictures and meteorological analysis of a developing low in the Central United States. Monthly Weather Review, 89 (11), 429-445.
- Timchalk, Andrew, Hubert, Lester F., and Fritz, Sigmund, 1965: Estimating wind speeds of tropical cyclones from TIROS pictures. Mariners Weather Log, 9 (3), 77-78.
- Timchalk, Andrew, Hubert, Lester F., and Fritz, Sigmund, 1965: Wind speeds from TIROS pictures of storm in the tropics. Meteorological Satellite Laboratory Report No. 33, 33 pp. (PB 167 180).
- Togstad, William E., and Horn, Lyle H., 1974: An application of the satellite indirect sounding technique in describing the hyperbaroclinic zone of a jet streak. Journal of Applied Meteorology, 13 (2), 264-276.
- Twomey, Sean, 1961: On the deduction of the vertical distribution of ozone by ultraviolet spectral measurements from a satellite. Journal of Geophysical Research, 66 (7), 2153-2162.
- Twomey, Sean, 1966: Indirect measurements of atmospheric temperature profiles from satellites Part 2: mathematical aspects of the inversion problem. Monthly Weather Review, 94 (6), 363-366.

- Twomey, Sean, Jacobowitz, Herbert, and Howell, Hugh B., 1966: Matrix methods for multiple-scattering problems. Journal of Atmospheric Sciences, 23 (3), 289-296.
- Vaeth, J. Gordon, 1965: Airborne arctic weather ships. Bulletin of the American Meteorological Society, 46 (2), 50-53.
- Vaeth, J. Gordon, 1965: Establishing an operational weather satellite system. In Advances in Space Science and Technology, 7, 365-392.
- Vaeth, J. Gordon, 1965: Manned space stations. Bulletin of the American Meteorological Society, 46 (9), 546-547.
- Vaeth, J. Gordon, 1965: Weather eyes in the sky--America's meteorological satellites. The Ronald Press, 124 pp.
- VanDyke, Harold Q., 1965: Some applications of weather satellites to marine navigation. Navigation, 12 (2), 111-113.
- Vossler, A. S., 1968: Modification of the APT ground station recorder for increasing the size of recorded DRIR data. ESSA Technical Memorandum NESCTM 4, 7 pp. (PB 179-322).
- Wark, David Q., 1961: Application of TIROS data to radiative processes in the atmosphere. Proceedings of the International Meteorological Satellite Workshop, Nov. 13-22, 1961, Washington, D.C., National Aeronautics and Space Administration and U.S. Department of Commerce, Washington, D.C., 121-125.
- Wark, David Q., 1961: On indirect temperature soundings of the stratosphere from satellites. Journal of Geophysical Research, 66 (1), 77-82.
- Wark, David Q., 1968: Indirect measurements of cloud-top altitudes. Proceedings of WMO/IUGG Symposium of Radiation and Satellite Techniques, Aug. 22-28, 1968, Bergen, Norway, World Meteorological Organization Technical Note No. 104, 45-47.
- Wark, David Q., 1971: Soundings from space platforms: a new era in global meteorological measurements. In A Century of Weather Progress, Caskey, James E., Jr., ed., American Meteorological Society, Boston, 50-54.
- Wark, David Q., 1973: Infrared remote soundings of the atmosphere from space. In Advances in the Astronautical Sciences, American Astronautical Society, Tarzana, Calif., Vol. 30, 491-496.
- Wark, David Q., et al., 1974: Aerological soundings of the atmosphere from NOAA-2 data for operational systems. In COSPAR, Approaches to Earth Survey Problems Through Use of Space Techniques, Akademie-Verlag-Berlin, 463-467.

- Wark, David Q., Alishouse, John, and Yamamoto, G., 1963: Calculations of the Earth's spectral radiance for large zenith angles. Meteorological Satellite Laboratory Report No. 21, 45 pp. (PB 167 176).
- Wark, David Q., Alishouse, John, and Yamamoto, G., 1964: Horizon sensing in the infrared, theoretical considerations of spectral radiance. In Torques and Attitude Sensing in Earth Satellites, Academic Press, New York, 207-220.
- Wark, David Q., Alishouse, John, and Yamamoto, G., 1964: Variation of the infrared spectra radiance near the limb of the Earth. Applied Optics, 9 (2), 221-227.
- Wark, David Q., and Fleming, Henry E., 1966: Indirect measurements of atmospheric temperature profiles from satellites, I: Introduction. Monthly Weather Review, 94 (6), 351-362.
- Wark, David Q., and Hilleary, Don T., 1969: Atmospheric temperatures: successful test of remote probing. Science, 165 (3899), 1256-1258.
- Wark, David Q., Hilleary, Don T., Anderson, Spencer P., and Fischer, James C., 1970: Nimbus satellite infrared spectrometer experiment. IEEE Transactions on Geoscience Electronics, GE-8 (4), 264-270.
- Wark, David Q., Lienesch, James H., and Weinreb, Michael P., 1974: Satellite observations of atmospheric water vapor. Applied Optics, 13 (3), 507-511.
- Wark, David Q., and Mercer, Don M., 1965: Absorption in the atmosphere by the oxygen A band, Applied Optics, 4 (7), 839-844.
- Wark, David Q., and Popham, Robert W., 1963: The development of satellite ice surveillance techniques. COSPAR, Proceedings of the International Symposium on Rocket and Satellite Meteorology, April 1962, Washington, D.C., J. Wiley and Sons, Inc. 415-418.
- Wark, David Q., and Weinreb, Michael P., 1974: Derivation of tropospheric water vapor profiles from satellite radiance. Preprint Volume, 6th Conference on Aerospace and Aeronautical Meteorology, Nov. 12-15, 1974, El Paso, Texas, American Meteorological Society, Boston, 222-225.
- Wark, David Q., and Winston, Jay S., 1963: Application of satellite radiation measurements to synoptic analysis and to studies of the planetary heat budget. COSPAR, Proceedings of the International Symposium on Rocket and Satellite Meteorology, April 1962, Washington, D.C., J. Wiley and Sons, Inc., 247-253.
- Weinreb, Michael, P., and Crosby, David S., 1972: Optimization of spectral intervals for remote sensing of atmospheric temperature profiles. Remote Sensing of Environment, 2 (3), 193-201.

- Weinreb, Michael, P., and Crosby, David S., 1973: Estimation of atmospheric moisture profiles from satellite measurements by a combination of linear and non-linear methods. Preprint Volume of the Third Conference on Probability and Statistics in Atmospheric Science, June 19-22, 1973, Boulder, Colorado, American Meteorological Society, Boston, 231-235.
- Weinreb, Michael P., and Fleming, Henry, 1974: Empirical radiance corrections: a technique to improve satellite soundings of atmospheric temperature. Geophysical Research Letters, 1 (7), 298-301.
- Weinreb, Michael P., and Neuendorffer, Arthur C., 1973: Method to apply homogeneous-path transmittance models in inhomogeneous atmospheres. Journal of Atmospheric Sciences, 30 (4), 662-666. (COM 72 11368).
- Weiss, Carl E., and Purdom, James F. W., 1974: Picture of the month--effect of early-morning cloudiness on squall-line activity. Monthly Weather Review, 102 (5), 400-402.
- Werbowetzki, Adolph, 1966: Refraction data with multiple satellites. Bulletin of American Meteorological Society, 47 (3), p. 199.
- Wexler, H., and Johnson, David S., 1961: Meteorological satellites. Bulletin of the Atomic Scientist, 17 (5-6), 185-190. Also published by ICSU Review, 3 (2), 84-93.
- Wexler, H., and Johnson, David S., 1962: Meteorological Satellites. The Challenge of Space, H. Odishaw, Ed., The University of Chicago Press, 7-23.
- Whitney, Linwood F., Jr., 1960: Cloud conference summary. Meteorological Satellite Laboratory Report No. 1, 22 pp. (PB 163 727).
- Whitney, Linwood F., Jr. 1961: Another view from TIROS I of a severe weather situation--May 16, 1960. Monthly Weather Review, 89 (11), 447-460.
- Whitney, Linwood F., Jr., 1963: Severe storm clouds as seen from TIROS. Journal of Applied Meteorology, 2 (4), 501-507.
- Whitney, Linwood F., Jr., 1965: Jet streams. Proceedings of the Inter-regional Seminar on the Interpretation and Use of Meteorological Satellite Data. Dec. 15-17, 1965, Tokyo, Japan Meteorological Agency, 121-137.
- Whitney, Linwood F., Jr., 1972: Cloud motions in baroclinic zones. NOAA Technical Memorandum NESS 43, 6 pp. (COM 73 10029).
- Whitney, Linwood F., Jr., 1972: Effect of orbital inclination and spin axis attitude on wind estimates from photographs by geosynchronous satellites. NOAA Technical Memorandum NESS 41, 32 pp. (COM 72 11499).

- Whitney, M. B., Doolittle, R. C., and Goddard B., 1968: Processing and display experiments using digitized ATS-1 spin scan camera data. ESSA Technical Report NESC 44, 60 pp.
- Whitney, Linwood F., Jr., and Fritz, Sigmund, 1961: A tornado-producing cloud pattern seen from TIROS I. Bulletin of the American Meteorological Society, 42 (9), 603-614.
- Whitney, Linwood F., Jr., and Herman, Leroy D., 1968: The nature of intermediate-scale cloud spirals. ESSA Technical Report NESC 45, 74 pp. (AD 673 681).
- Whitney, Linwood F., Jr., and McClain, E. Paul, 1967: Cloud measurements using aircraft time-lapse photography. ESSA Technical Report NESC 40, 24 pp. (PB 174 728).
- Whitney, Linwood F., Jr., Timchalk, Andrew, and Gray, Thomas I., Jr., 1966: On locating jet streams from TIROS photographs. Monthly Weather Review, 93 (3), 127-138.
- Wiesnet, Donald R., 1972: Comparison of remote sensors for soil moisture and other hydrologic studies. NASA Manned Spacecraft Center, 4th Annual Earth Resources Program Review, 4 (Sec. 92), 11 pp.
- Wiesnet, Donald R., 1972: The NOAA/NESS program of remote sensing of soil moisture. Proceedings of Conference on Remote Sensing in Arid Lands. Tucson, Arizona, Nov. 1972, University of Arizona, 66-74.
- Wiesnet, Donald R., 1972: Quasioperational current mapping by thermal infrared in South Korean coastal regions. Proceedings of Coastal Mapping Symposium, American Society of Photogrammetry, Washington, D.C., June 5-8, 1972, American Society of Photogrammetry, Falls Church, Va., 113-133.
- Wiesnet, Donald R., 1973: Detection of snow conditions in mountainous terrain. Earth Resources Technology Satellite -1 Symposium Proceedings, NASA Publication X-650-73-10, NASA Goodard Spaceflight Center, Greenbelt, Md., 131-132.
- Wiesnet, Donald R., 1974: The role of satellites in snow and ice measurements. NOAA Technical Memorandum NESS 58, 12 pp. (COM 74 11747/AS).
- Wiesnet, Donald, R., McGinnis, David F., and Prichard, John P., 1974: Mapping of the 1973 Mississippi River floods by the NOAA-2 satellite. Water Resources Bulletin, 10 (5), 1040-1049.
- Wiesnet, Donald R., and McGinnis, David F., 1972: Determination of thawing snow and ice surfaces using Earth satellite data. NASA Manned Spacecraft Center, 4th Annual Earth Resources Program Review, 4 (Sec. 94), 9 pp.

- Wiesnet, Donald R., and Peck, E. L., 1972: Results of aircraft gamma-ray surveys for soil-moisture detection at a NOAA test site near Phoenix, Arizona. Proceedings of Eighth International Symposium on Remote Sensing of Environment, Ann Arbor, Michigan, Oct. 1972, Environmental Research Institute of Michigan, 747-754.
- Winston, Jay S., 1961: Application of radiation data to synoptic analysis and to studies of the general circulation. Proceedings of the International Meteorological Satellite Workshop, Nov. 13-22, 1961, Washington, D.C., National Aeronautics and Space Administration and U.S. Department of Commerce, Washington, D.C., 129-137.
- Winston, Jay S., 1961: Preliminary studies of atmospheric energy parameters. Meteorological Satellite Laboratory Report No. 3, 30 pp.
- Winston, Jay S., 1961: Use of TIROS pictures in current synoptic analysis. Proceedings of the International Meteorological Satellite Workshop, Nov 13-22, 1961, Washington, D.C., National Aeronautics and Space Administration and U.S. Department of Commerce, Washington, D.C., 95-105.
- Winston, Jay S., 1965: Comments on cloud heights and nighttime cloud cover from TIROS radiation data. Journal of the Atmospheric Sciences, 22 (3), 333-338.
- Winston, Jay S., 1969: Global distribution of cloudiness and radiation as measured from weather satellites. In World Survey of Climatology, D. F. Rex, ed., (Ch. 6), Elsevier Publication Co., Amsterdam, Vol.4, Ch. 6, 247-280.
- Winston, Jay S., 1971: The annual course of zonal mean albedo as derived from ESSA 3 and 5 digitized picture data. Monthly Weather Review, 99 (11), 818-827.
- Winston, Jay S., 1972: Comments on measurements of the Earth's radiation budget from satellites during a five-year period: part 1, extended time and space means. Journal of the Atmospheric Sciences, 29 (3), 598-601.
- Winston, Jay S., and Krueger, Arthur F., 1961: Some aspects of a cycle of available potential energy. Monthly Weather Review, 89 (9), 307-318.
- Winston, Jay S., and Rao, P. Krishna, 1963: Temporal and spatial variations in the planetary-scale outgoing long-wave radiation as derived from TIROS II measurements. Monthly Weather Review, 91 (10-12), 641-657.
- Winston, Jay S., Smith, William L., and Woolf, Harold M., 1972: The global distribution of outgoing long-wave radiation derived from SIRS radiance measurements. Conference on Atmospheric Radiation, Aug. 7-9, 1972, Fort Collins, Colo., American Meteorological Society, Boston, 221-227. (COM-72-11481).
- Winston, Jay S., and Tourville, Lloyd, 1961: Cloud structure of an occluded cyclone over the Gulf of Alaska as viewed by TIROS I. Bulletin of the American Meteorological Society, 42 (3), 151-165.

Yamamoto, G., and Wark, David Q., 1961: Discussion of the letter, 'Determination of cloud altitude from a satellite' by R. A. Hanel. Journal of Geophysical Research, 66 (3), p. 3596.

Young, Michael T., Doolittle, Russell C., and Mace, Lee M., 1972: Operational procedures for estimating wind vectors from geostationary satellite data. NOAA Technical Memorandum NESS 39, 19 pp. (COM 72 10910).

Zegel, F. H., and Fridovich, Bernard, 1968: Devices to produce laser incoherency. Applied Optics, 7 (10), p. 2138.