

References and Bibliography to Part I

- Anfimov N.A., Gordeev S.P., Tsyboul'skii G.A., Moiseev S.S., and Sharkov E.A. (1995) Technique of balloon investigations of tropical disturbances on the ballistic missiles transportation base. *Adv. Space Res.* Vol. 17. No. 9. P. 95–98.
- Anthes R.A. (1982) Tropical cyclones: their evolution, structure and effects. *Meteor. Monogr.* No. 41. Amer. Meteor. Soc. 208 p.
- Astafyeva N.M., Pokrovskaya I.V., and Sharkov E.A. (1994) Scaling features of global tropical cyclogenesis. *Doklady Acad. Nauk* (Trans. of Russian Academy of Sciences / Earth Science Section — Eng. transl.) Vol. 337. No. 4. P. 517–520.
- Astafyeva N.M., Pokrovskaya I.V., and Sharkov E.A. (1995) Hierarchical structure of global tropical cyclogenesis. *Earth Obs. Remote Sensing.* Vol. 12. No. 2. P. 158–169.
- Balebanov V.M., Moiseev S.S., Sharkov E.A., Lupian E.A., Kalmykov A.I., Zabyshnyi A.I., Kuzmin A.K., Smirnov N.K., Tsymbal V.N. and Chikov K.N. (1997) The 'Gelix' project: space monitoring of the ocean-troposphere -upper atmosphere system during conditions of a large-scale crisis. *Earth Obs. Rem. Sens.* Vol. 14. No. 5. P. 823–835.
- Bengtsson L., Botzet M., and Esch M. (1995) Hurricane-type vortices in a general circulation model. *Tellus.* Vol. 47A. No. 2. P. 175–196.
- Bengtsson L., Botzet M., and Esch M. (1996) Will greenhouse gas-induced warming over the next 50 years lead to higher frequency and greater intensity of hurricanes? *Tellus.* Vol. 48A. No. 1. P. 57–73.
- Clark G.B. (1983) Atlantic hurricane season of 1982. *Mon. Weather Rev.* Vol. 111. No. 5. P. 1071–1079.
- DeAngelis D. (1984) Hurricane Alley. *Mar. Weather Log.* Vol. 28. No. 4. P. 247–255.
- Elsberry R. (1987) Observation and analysis of tropical cyclones. In 'Global View of Tropical Cyclones'. Elsberry R.L., Ed. Office of Naval Research, Monterey. P. 1–12.
- Elsner J. B. and Kara A. B. (1999) Hurricanes of the North Atlantic. Climate and Society. Oxford University Press, New York, Oxford. 488 p.
- Gray W.M. (1979) Hurricanes: their formation, structure and likely role in the tropical circulation. In 'Meteorology over the tropical oceans', Shaw D.B., Ed. BMS, James Glaisher House, Berkshire. P. 155–218.
- Gray W.M. (1993) Seasonal forecasting. In 'Global Guide to Tropical Cyclone Forecasting'. WMO Technical Document N 560. Tropical Cyclone Program Report N31. Geneva, Switzerland. P. 5.1–5.21.
- Gray W.M. (1997) A personal (and perhaps unpopular) view of tropical meteorology over the last 40 years and future outlook. 22nd Conf. on Hurricane and Tropical Meteorology, May 19–23, 1997. Ft. Collins, Colorado. Amer. Meteor. Soc., Boston. P. 19–24.
- Gray W.M., Sheaffer J.D., and Landsea Ch.W. (1997) Climate trends associated with multidecadal variability of Atlantic hurricane activity. In 'Hurricanes. Climate and Socioeconomic Impacts' Diaz H. F. and Pulwarty R. S., Eds. Springer, Berlin. P. 15–53.
- GTECCA (1996) Global Tropical and Extratropical Cyclone Climatic Atlas 2.0. CD-ROM. NCDC / NOAA, Asheville, NC.
- Gunther E.B. and Cross R.L. (1985) Eastern North Pacific tropical cyclones, 1984. *Mar. Weather Log.* Vol. 29. No. 2. P. 63–71.
- Hansen J., Sato M. and Ruedy R. (1997) Radiative forcing and climate response. *J. Geophysical Research.* Vol. 102, ND6. P. 6831–6864.
- Hanstrum B.N., Reader G. and Bate P.W. (1999) The South Pacific and southern Indian Ocean tropical cyclone season 1996–97. *Aust. Met. Mag.* Vol. 48. No. 3. P. 197–210.
- Harr P. A. and Elsberry R.L. (2000) Extratropical transition of tropical cyclones over the Western North Pacific. Part I: Evolution of structural characteristics during the transition process. *Monthly Weather Re-*

- view. Vol. 128. No. 8. P. 2613–2633.
- Harr P.A., Elsberry R.L. and Hogan T.F. (2000) Extratropical transition of tropical cyclones over the Western North Pacific. Part II: the impact of midlatitude circulation characteristics. *Monthly Weather Review*. Vol. 128. No. 8. P. 2634–2653.
- Henderson-Sellers A., Zhang H., Berz G., Emanuel K., Gray W., Landsea C., Holland G., Lighthill J., Shieh S. L., Webster P., and McGuffie K. (1998) Tropical cyclones and global climate change: a post-IPCC assessment. *Bull. Amer. Meteor. Soc.* Vol. 79. No. 1. P. 19–38.
- Khromov S.P. (1948) Foundations of synoptic meteorology. Leningrad, Gidrometeoizdat. 696 p. (in Russian).
- Khromov S.P. (1966) Atmospheric circulation in the tropics. Leningrad, Gidrometeoizdat. 280 p. (in Russian).
- Klein P.M., Harr P.A. and Elsberry R.L. (2000) Extratropical transition of Western North tropical cyclones: an overview and conceptual model of the transformation stage. *Weather and Forecasting*. Vol. 15. No. 4. P. 373–396.
- Kondratyev K.Ya. (1992) Global climate. St Petersburg, Nauka Publ. 359 p. (in Russian).
- Kondratyev K.Ya., Buznikov A., Pokrovsky O. (1995) Global Change and Remote Sensing. Chichester etc.: Wiley / PRAXIS. 300 p.
- Lander M.A., Trehubenko E.J. and Guard Ch.P. (1999) Eastern hemisphere tropical cyclones of 1996. *Monthly Weather Rev.* Vol. 127. No. 6. P. 1274–1300.
- Landsea Ch.W. (1998) FAQ: hurricanes, typhoons and tropical cyclones. Part 1 and 2. Version 2.7. NOAA / AOML / Hurricane Research Division. Miami. Web site: <http://www.aoml.noaa.gov/hrd/tcfaq/tcfaql.html>.
- Landsea Ch.W., Pielke R.A., Mestas-Nunez A.M. and Knaff J.A. (1999) Atlantic basin hurricanes: induces of climatic changes. *Climatic Change*. Vol. 42. No. 2. P. 89–129.
- Lawrence M.B. (1999) Eastern North Pacific hurricane season of 1997. *Monthly Weather Rev.* Vol. 127. No. 10. P. 2440–2454.
- Lighthill J., Holland G., Gray W., Landsea Ch., Crain G., Evans J., Kurihara Y. and Guard Ch. (1994) Global climate change and tropical cyclones. *Bull. Amer. Meteor. Soc.* Vol. 75. No. 11. P. 2147–2157.
- Liu G., Curry J.A., and Weadon M. (1994) Atmospheric water balance in typhoon Nina as determined from SSM / I satellite data. *Meteorol. Atmos. Phys.* Vol. 54. No. 2. P. 141–156.
- Mayfield M. and Rappaport E.N. (1992) Eastern Pacific hurricanes: long season, but normal numbers. *Weatherwise*. Vol. 45. No. 1. P. 42–46.
- Mayfield M. and Avila L. (1994) North Atlantic hurricanes — 1993. *Mariner's Weather Log*. Vol. 38. No. 2. P. 10–16.
- McBride J.L. (1995) Tropical cyclone formation. In 'Global perspectives on tropical cyclones'. WMO Technical Document N693, Tropical Cyclone Program Report Number 38. Geneva, Switzerland. P. 63–105.
- Metcalf T.R. (1996) Tropical storms, Worldwide. Web site: <http://www.solar.ifa.hawaii.edu/Tropical/>.
- Minina L.S. (1970) Practice of nephanalysis. Leningrad, Gidrometeoizdat. 335 p. (in Russian).
- Minina L.S. (1982) Tropical cyclones. In 'Guide on using of satellite data for weather analysis and forecasting'. Veltov I.P. and Veltishev N.F., Eds. Leningrad, Gidrometeoizdat. P. 253–285 (in Russian).
- Minina L.S. (1987) Features of tropical cyclogenesis. In 'Tropical Meteorology'. Trans. III Int. Symposium on tropical meteorology, Yalta, March 1985. Gidrometeoizdat Publ. House, Leningrad, 1987. P. 36–51.
- MSC (Meteorological Satellite Center) (1986) Monthly report of the Meteorological Satellite Centre, June–September, 1985, Tokyo. 250 p.
- NCDC (1991) National Climatic Data Center. Diskette documentation. NCDC, Asheville, NC. 46 p.
- Neumann C.J. (1993) Global overview. In 'Global Guide to Tropical Cyclone Forecasting'. WMO Technical Document No. 560. Tropical Cyclone Program Report Number 31. Geneva, Switzerland. P. 1.1–1.43.
- Neumann C.J., Jarvinen B.R., McAdie C.J. and Elms J.D. (1993) Tropical cyclones of the North Atlantic Ocean, 1871–1992. Historical climatology series 6–2. National Climatic Data Center, Asheville, NC. 193 p.
- Pielke R.A., Jr., and Pielke R.A., Sr. (1997) Hurricanes. Their nature and impacts on society. John Wiley and Sons. Chichester, New York, etc. 279 p.
- Pielke R.A. Jr. and Landsea C.N. (1999) La Nina, El Nino, and Atlantic hurricane damages in the United States. *Bull. American Meteor. Soc.* Vol. 80. No. 10. P. 2027–2033.
- Pokrovskaya I.V., and Sharkov E.A. (1993) Global tropical cyclogenesis as accidental Poisson process. *Doklady Acad. Nauk SSSR* (Trans. of USSR Acad. of Sciences / Earth Science Section — Engl. Transl.). Vol. 331. No. 5. P. 625–627.
- Pokrovskaya I.V., Sharkov E.A., Klepikov I.N., and Karaseva I.A. (1993) Catalogue and data base of global tropical cyclogenesis for 1988–1992. Preprint No. Pr-1869, Moscow, Space Research Institute. 29 p. (in Russian).
- Pokrovskaya I.V. and Sharkov E.A. (1994a) Poisson features of global tropical cyclogenesis by satellite data. *Earth Research from Space* (Earth Obs. Rem. Sens. — English transl.). No. 2. P. 24–39.
- Pokrovskaya I.V. and Sharkov E.A. (1994b) Innerannual variability of global tropical cyclogenesis. *Russian Meteorology and Hydrology*. No. 4. P. 20–28.

- Pokrovskaya I.V. and Sharkov E.A. (1994c). Catalogue of global tropical cyclogenesis data for 1983–1987 and 1993. Preprint No. Pr-1890, Moscow, Space Research Institute. 30 p.
- Pokrovskaya I.V., Sharkov E.A., Klepikov I.N., and Karaseva I.A. (1994) Structure of data base for global tropical cyclogenesis remote sensing. Sov. J. Remote Sensing. Vol. 11. No. 6. P. 981–989.
- Pokrovskaya I.V. and Sharkov E.A. (1996a) Study of temporal intermittency of the Pacific Ocean basin tropical cyclogenesis as applied to satellite monitoring problems. Earth Obs. Rem. Sens. Vol. 14. No. 1. P. 17–30.
- Pokrovskaya I.V. and Sharkov E.A. (1996b) Interannual variability of tropical cyclogenesis in Pacific. Russian Meteorology and Hydrology, N3. P. 40–49.
- Pokrovskaya I.V. and Sharkov E.A. (1997) Data set of global tropical cyclogenesis: design principles, structure, catalogues. Preprint No. Pr-1969, Moscow, Space Research Institute, Russian Academy of Sciences. 40 p.
- Pokrovskaya I.V. and Sharkov E.A. (1999a) Data set of global tropical disturbances for 1997–1998: design formation, structure, catalogue. Preprint No. Pr-2004, Space Research Institute, Russian Academy of Sciences, Moscow. 41p. (in Russian).
- Pokrovskaya I.V. and Sharkov E.A. (1999b) Structural features of tropical cyclogenesis for Northern and Southern hemispheres in application to satellite monitoring problems. Earth Research from Space (Earth Obs. Rem. Sens. — English Transl.). No. 1. P. 18–27.
- Pokrovskaya I.V. and Sharkov E.A. (1999c) Structural features of global tropical cyclogenesis for initial forms in application to satellite monitoring problems. Earth Research from Space (Earth Obs. Rem. Sens. — English transl.). No. 3. P. 1–13.
- Pokrovskaya I.V. and Sharkov E.A. (1999d) Catalogue of Tropical Cyclones and Tropical Disturbances of the World Ocean for 1983–1998. Version 1.1. Moscow, Poligraph Service Publishing House. 160 p. (in Russian).
- Pokrovskaya I.V. and Sharkov E.A. (2000) Global features of the generation rate of tropical cyclones. Doklady Earth Science. Vol. 373. No. 5. P. 851–854.
- Pasch R.J. and Avila L.A. (1999) Atlantic hurricane season of 1996. Monthly Weather Rev. Vol. 127. No. 5. P. 581–610.
- Revell C. and Goulter S. (1986) South Pacific tropical cyclones and the Southern Oscillation. Mon. Weather Rev. Vol. 114. No. 6. P. 1138–1145.
- Shaik H.A. and Bate P.W. (1999) The tropical circulation in the Australian/Asian region November 1998 – to April 1999. Australian Met. Mag. Vol. 48. No. 3. P. 211–222.
- Sharkov E.A. (1997) Aerospace observations of tropical cyclones. Earth Research from Space (Earth Obs. Remote Sensing — English transl.). No. 6. P. 78–111.
- Sharkov E.A. (1998) Remote sensing of tropical regions. John Wiley and Sons / PRAXIS. Chichester, N.Y. etc. 310 p.
- Sharkov E.A. (2000) Global Tropical Cyclogenesis. London, Berlin, N.Y. etc. Springer / PRAXIS. 361 p.
- UK Met. Office (1999) Monthly summary of tropical cyclone activity and forecasts. Headquarters, Bracknell. Web site: <http://www.met-office.gov.uk>.
- WMO (1983) Tropical cyclone operational plan for the southwest Indian Ocean. WMO-N618, TCP-12, World Meteorological Organization, Geneva. 95 p.
- WMO (1986) Tropical cyclone operational plan for the Bay of Bengal and the Arabian Sea. WMO / TD-N84, TCP-21, World Meteorological Organization, Geneva. 80 p.
- WMO (1987) Typhoon Committee operational manual, meteorological component. WMO / TD-N196, TCP-23, World Meteorological Organization, Geneva. 57 p.
- WMO (1988) Regional Association IV (North and Central America) Hurricane operational plan. WMO / TD-N494, TCP-30, World Meteorological Organization, Geneva. 68 p.
- WMO (1989) Tropical cyclone operational plan for the South Pacific and southeast Indian Ocean. WMO / TD-N292, TCP-24, World Meteorological Organization, Geneva. 90 p.
- WMO (1992) Infoclima Catalogue of Climate System Data Sets. WCDP-5 WMO/TD N293. WMO, Geneva. 31 p.
- Zehr R.M. (1992) Tropical cyclogenesis in the Western North Pacific. NOAA Tech. Report NESDIS-61, US Department of Commerce, Wash., DC 20233. 181 p.