

*New JCOMM series replaces discontinued MMROA series*

**JOINT WMO/IOC TECHNICAL COMMISSION  
FOR OCEANOGRAPHY AND MARINE METEOROLOGY  
TECHNICAL REPORT SERIES**

<b>No.</b>	<b>Title</b>	<b>WMO/TD-No.</b>	<b>Issued</b>
50	JCOMM-III – Scientific Lectures – <b>Website only</b>	WMO/TD-No. 1518	2009
49	Proceedings of the 2nd Ice Analysts Workshop, Rostock, Norway 15-19 June 2009 – <b>Website only</b>	WMO/TD-No. 1517	2009
48	Pilot Project for the Integration of marine meteorological and other appropriate oceanographic observations into the WMO Integrated Global Observing System (WIGOS) (WIGOS Pilot Project V - JCOMM Pilot Project for WIGOS)	WMO/TD-No. 1515	2009
47	JCOMM Technical Workshop on Wave Measurements from Buoys, 2-3 October 2008, New York City, USA	WMO/TD-No. 1466	2008
46	SOT Annual Report for 2008	WMO/TD-No. 1459	2008
45	Proceedings of the 3 <sup>rd</sup> JCOMM Workshop on Advances in Marine Climatology, Gdynia, Poland, 6-9 May 2008	WMO/TD-No. 1445	2008
44	Proceedings of <b>1) 1<sup>st</sup> JCOMM Scientific &amp; Technical Symposium on Storm Surges, Seoul, Korea 2-6 Oct. 2007</b> <b>2) 10<sup>th</sup> International Workshop on Wave Hindcasting &amp; Forecasting &amp; Coastal Hazard Symposium, North Shore Oahu, Hawaii, 11-16 November 2007 – CD ROM</b>	WMO/TD-No. 1442	2008
43	Proceedings of the Ice Analysts Workshop, Rostock, Germany 12-17 June 2008 – <b>CD ROM</b>	WMO/TD-No. 1441	2008
42	Proceedings of the OGP/JCOMM/WCRP Workshop on Climate Change & the Offshore Industry Geneva, 27-29 May 2008 – <b>CD ROM</b>	WMO/TD-No. 1440	2008
41	SOT Annual report for 2007	WMO/TD-No. 1431	2008
40	JCOMM Data Management Plan	WMO/TD-No. 1426	2008

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<b>No.</b>	<b>Title</b>	<b>WMO/TD-No.</b>	<b>Issued</b>
39	JCOMM Expert Team on Marine Accident Emergency Support (ETMAES), First Session - National Reports (Angra dos Reis, Brazil, 29-31 January 2007) - <b>Website only</b>	WMO/TD-No. 1399	2007
38	JCOMM Expert Team on Maritime Safety Services (ETMSS), Second Session - National Reports (Angra dos Reis, Brazil, 24-27 January 2007) - <b>Website only</b>	WMO/TD-No. 1398	2007
37	Application of collected data, Presentations at the DBCP Technical Workshop, Buenos Aires, Argentina, 17-18 October 2005 – <b>WEB ONLY</b>	WMO/TD-No. 1388	2006
36	SOT Annual report for 2006	WMO/TD-No. 1394	2007
35	Application of collected data, Presentations at the DBCP Technical Workshop, Chennai, India, 18-19 October 2004 – <b>WEB ONLY</b>	WMO/TD-No. 1387	2006
34	Ninth International Workshop on Wave Hindcasting and Forecasting (Victoria, Canada, 24-29 September 2006) – <b>CD ROM</b>	WMO-TD. No. 1368	2007
33	Techniques and Benefits of Satellite Data and Wave Models, J.-M. Lefèvre, J.-R. Bidlot and S. Abdalla	WMO/TD-No. 1357	2006
32	SOT annual report for 2005 – <b>CD ROM</b>	WMO/TD-No. 1346	2006
31	Manual on Sea Level, Measurement and Interpretation, Volume IV: An Update to 2006	WMO/TD-No. 1339	2006
30	Verification of Operational Global and Regional Wave Forecasting Systems against Measurements from Moored Buoys, by J.-R. Bidlot and M.W. Holt	WMO/TD-No. 1333	2006
29	Eighth International Workshop on Wave Hindcasting and Forecasting (North Shore, Oahu, Hawaii, 14-19 November 2004)	WMO/TD-No. 1319	2006
28	Third International Workshop for Port Meteorological Officers (Hamburg, Germany, 23-24 March 2006 – <b>CD ROM</b>	WMO/TD-No. 1318	2006
27	An International Seminar to Celebrate the Brussels Maritime Conference of 1853 - An Historical Perspective of Operational Marine Meteorology and Oceanography -	WMO/TD-No. 1226	2004

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Proceedings - <b>CD ROM</b>			
26	Automated Shipboard Aerological Programme (ASAP) - Annual Report for 2003	WMO/TD-No. 1224	2004
25	Second International Workshop for Port Meteorological Officers - <b>CD ROM</b>	WMO/TD-No. 1216	2004
24	Ice Chart Colour Code Standard	WMO/TD-No. 1215	2004
23	SIGRID-3: A Vector Archive Format for Sea Ice Charts	WMO/TD-No. 1214	2004
22	Proceedings of CLIMAR-II - Second JCOMM Workshop on Advances in Marine Climatology (Brussels, Belgium, 17-22 November 2003) - <b>CD ROM</b>	WMO/TD-No. 1199	2004
21	Workshop on Wind Wave and Storm Surge Analysis and Forecasting for Caribbean Countries (Dartmouth, Canada, 16-20 June 2003) - <b>CD ROM</b>	WMO/TD-No. 1171	2003
20	JCOMM Ship Observations Team, Second Session - National Reports (London, United Kingdom, 28 July - 1 August 2003) - <b>Website only</b>	WMO/TD-No. 1170	2003
19	Automated Shipboard Aerological Programme (ASAP) - Annual Report for 2002	WMO/TD-No. 1169	2003
18	JCOMM Expert Team on Maritime Safety Services (ETMSS), First Session - National Reports (Lisbon, Portugal, 11-14 September 2002) - <b>Website only</b>	WMO/TD-No. 1135	2002
17	JCOMM Ship Observations Team, First Session - National Reports (Goa, India, 25 February - 2 March 2002) - <b>Website only</b>	WMO/TD-No. 1121	2002
16	Scientific and Technical Workshop of the JCOMM Ship Observations Team - Presentations at the first session of the Ship Observations Team (Goa, India, 26 February 2002) - <b>CD ROM</b>	WMO/TD-No. 1118	2002
15	Automated Shipboard Aerological Programme (ASAP) - Annual Report for 2001	WMO/TD-No. 1112	2002
14	Operational Oceanography - Scientific Lectures at JCOMM-I (Akureyri, Iceland, June 2001)	WMO/TD-No. 1086	2001
13	Advances in the Applications of Marine Climatology - The Dynamic Part of the WMO Guide to the Applications of Marine Climatology - <b>CD ROM</b>	WMO/TD-No. 1081	2003
12	Automated Shipboard Aerological Programme	WMO/TD-No. 1069	2001

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	(ASAP) – Annual Report for 2000		
11	JCOMM Capacity Building Strategy	WMO/TD-No. 1063	2001
10	Proceedings of CLIMAR99 - WMO Workshop on Advances in Marine Climatology (Vancouver, Canada, 8-15 September 1999) - <b>CD ROM</b>	WMO/TD-No. 1062	2003
9	Estimation of Extreme Wind Wave Heights	WMO/TD-No. 1041	2000
8	Oceanographic and Marine Meteorological Observations in the Polar Regions - A Report to the Joint WMO/IOC Technical Commission on Oceanography and Marine Meteorology	WMO/TD-No. 1032	2000
7*	Proceedings of a Workshop on Mapping and Archiving of Sea Ice Data – The Expanding Role of Radar, Ottawa, Canada, 2-4 May 2000	WMO/TD-No. 1027	2000
6	Automated Shipboard Aerological Programme (ASAP) – Annual Report for 1999	WMO/TD-No. 1011	2000
5	Voluntary Observing Ships (VOS Climate Subset Project (VOSCLIM) – Project Document)	WMO/TD-No. 1010	2000
	Revision 1	WMO/TD-No. 1042	2001
	Revision 2 - <b>Website only</b>	WMO/TD-No. 1122	2002
4	The Voluntary Observing Ships Scheme – A Framework Document	WMO/TD-No. 1009	2000
3*	JCOMM Ship-of-opportunity Programme Implementation Panel, Third Session, La Jolla, CA, USA, 28-31 March 2000 – SOOP Status Reports – SOOP Scientific and Technical Developments	WMO/TD-No. 1005	2000
2	Meeting of Experts on a JCOMM/GOOS Polar Region Strategy, Geneva, Switzerland, 6-8 December 1999 - Status Reports from Existing Polar Region Observing Systems	-	2000
1*	First Transition Planning Meeting - St Petersburg, Russian Federation, 19-23 July 1999 – Status Reports from JCOMM Component Bodies and Activities	-	1999

### **MARINE METEOROLOGY AND RELATED OCEANOGRAPHIC ACTIVITIES REPORT SERIES**

No.	Title	WMO/TD-No.	Issued
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<b>No.</b>	<b>Title</b>	<b>WMO/TD-No.</b>	<b>Issued</b>
44	Marpolser 98 - Metocean Services for Marine Pollution emergency Response Operations, Townsville, Australia, 13-17 July 1998 – Proceedings - Volume 2 - Review and Information Papers	WMO/TD-No. 960	1999
	Marpolser 98 - Metocean Services for Marine Pollution emergency Response Operations, Townsville, Australia, 13-17 July 1998 – Proceedings - Volume 1 - Research Papers	WMO/TD-No. 959	1999
43	Proceedings of the International Workshop on Digitization and Preparation of Historical Marine Data and Metadata, Toledo, Spain, 15-17 September 1997	WMO/TD-No. 957	1999
-	Automated Shipboard Aerological Programme (ASAP) - Annual Report for 1998	WMO/TD-No. 951	1999
42	Provision and Engineering Operational Application of Ocean Wave Data - in French only	WMO/TD-No. 938	1998
41	The Climate of the Baltic Sea Basin	WMO/TD-No. 933	1998
40	Automatisation de l'observation en mer Automation of Observations at Sea	WMO/TD-No. 928	1998
-	Automated Shipboard Aerological Programme (ASAP) - Annual Report for 1997	WMO/TD-No. 900	1998
39	Proceedings of the Commission for Marine Meteorology Technical Conference on Marine Pollution	WMO/TD-No. 890	1998
38	Evaluation of the Highest Wave in a Storm (A.V. Boukhanovsky, L.J. Lopatoukhin, V.E. Ryabinin)	WMO/TD-No. 858	1998
37	Tropical Coastal Winds (W.L. Chang)	WMO/TD-No. 840	1997
36	Handbook of Offshore Forecasting Services (Offshore Weather Panel)	WMO/TD-No. 850	1997
-	Automated Shipboard Aerological Programme (ASAP) - Annual Report for 1996	WMO/TD-No. 819	1997
35	Ice Navigation Conditions in the Southern Ocean (A.A. Romanov)	WMO/TD-No. 783	1996
-	Automated Shipboard Aerological Programme (ASAP) - Annual Report for 1995	WMO/TD-No. 767	1996
34	Polar Orbiting Satellites and Applications to Marine Meteorology and Oceanography – Report of the CMM-IGOSS-IODE Sub-group on Ocean Satellites and Remote Sensing	WMO/TD-No. 763	1996

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No.	Title	WMO/TD-No.	Issued
33	Storm Surges (Vladimir E. Ryabinin, Oleg I. Zilberstein and W. Seifert)	WMO/TD-No. 779	1996
32*	Proceedings of the WMO/IOC Workshop on Operational Ocean Monitoring Using Surface Based Radars, Geneva, 6-9 March, 1995	WMO/TD-No. 694	1995
-	Proceedings of the WMO/IOC Technical Conference on Space-based Ocean Observations, September 1993, Bergen, Norway <b>(US \$15.00)</b>	WMO/TD-No. 649	1994
31*	Proceedings of the International Workshop on Marine Meteorology	WMO/TD-No. 621	1994
30	Proceedings of the International Seminar for Port Meteorological Officers	WMO/TD-No. 584	1993
29	Meteorological Requirements for Wave Modelling (Luigi Cavaleri)	WMO/TD-No. 583	1993
28*	Proceedings of the Commission for Marine Meteorology Technical Conference on Ocean Remote Sensing	WMO/TD-No. 604	1993
27	A Survey on Multidisciplinary Ocean Modelling and Forecasting (Johannes Guddal)	WMO/TD-No. 516	1992
26	The Accuracy of Ship's Meteorological Observations - Results of the VSOP-NA		1991
25	Ships Observing Marine Climate - A Catalogue of the Voluntary Observing Ships Participating in the VSOP-NA	WMO/TD-No. 456	1991
24	Proceedings of the Commission for Marine Meteorology Technical Conference on Ocean Waves	WMO/TD-No. 350	1990
23	Summary Report on National Sea-ice Forecasting Techniques	WMO/TD-No. 329	1989
22	Wind Measurements Reduction to a Standard Level (R.J. Shearman and A.A. Zelenko)	WMO/TD-No. 311	1989
21	Coastal Winds (E.P. Veselov)	WMO/TD-No. 275	1988
20*	La Prévision du Brouillard en Mer (M. Trémant) Forecasting of Fog at Sea - in French only	WMO/TD-No. 211	1987
19	A Global Survey on the Need for and Application of Directional Wave Information (S. Barstow and J. Guddal)	WMO/TD-No. 209	1987
18	Baltic Multilingual List of Sea-ice Terms (Jan Malicki, Alex N. Turchin, Hans H. Valeur)	WMO/TD-No. 160	1987

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<b>No.</b>	<b>Title</b>	<b>WMO/TD-No.</b>	<b>Issued</b>
17	Processing of Marine Data (G.D. Hamilton)	WMO/TD-No. 150	1986
16*	Field Workshop on Intercalibration of Conventional and Remote-sensed Sea Surface Temperature Data (A.E. Strong and E.P. McClain)		1985
15*	Forecast Techniques for Ice Accretion on Different Types of Marine Structures, Including Ships, Platforms and Coastal Facilities	WMO/TD-No. 70	1985
14	Scientific Lectures at CMM-IX	WMO/TD-No. 41	1985
13	User's Guide to the Data and Summaries of the Historical Sea Surface Temperature Data Project	WMO/TD-No. 36	1985
12	WMO Wave Programme: National Reports for 1984 on Wave Measuring Techniques, Numerical Wave Models and Intercomparisons	WMO/TD-No. 35	1985
*	Supplement No. 4 - Reports for 1991 to 1994 on Wave Measuring Techniques, Numerical Wave Models and Intercomparisons	WMO/TD-No. 35	1994
	Supplement No. 3 - Reports for 1989 to 1990 on Wave Measuring Techniques, Numerical Wave Models and Intercomparisons	WMO/TD-No. 35	1990
	Supplement No. 2 - Reports for 1986 to 1988 on Wave Measuring Techniques, Numerical Wave Models and Intercomparisons	WMO/TD-No. 35	1989
	Supplement No. 1 - Reports for 1985 on Wave Measuring Techniques, Numerical Wave Models and Intercomparisons	WMO/TD-No. 35	1986
11	Drifting Buoys in Support of Marine Meteorological Services (Glenn D. Hamilton)	-	1983
10*	Guide to Data Collection and Services Using Service Argos (revised version)	-	1989
9	Intercalibrations of Directly-measured and Remotely Sensed Marine Observations (Alan E. Strong)	-	1983
8	Summary WMO Technical Conference on Automation of Marine Observations and Data Collection	-	1981
7*	Proceedings of the WMO Technical Conference on the Automation of Marine Observations and Data Collection	-	1981
6	Report on the Results of An Enquiry on	-	1981

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	Marine Meteorological Services Products		
5	The Automation of Observational Methods on Board Ship (M. Yasui)	-	1981
4	Intercalibration of Surface-based and Remotely Sensed Data (except Sea Surface Temperature Data) to Be Used in Marine Applications (E.P. McClain)	-	1981
3	Review of Reference Height for and Averaging Time of Surface Wind Measurements at Sea (F.W. Dobson)	-	1981
2	Investigation of Contemporary Methods of Measuring Sea Surface and Surface-layer Temperatures (F.S. Terziev)	-	1981
1	Precipitation Measurement at Sea (G. Olbrück)	-	1981

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