

*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>Issued</b>
85	The JCOMM Marine Climate Data System (MCDS) – <b>pdf only</b>	Pending
84	Final Report, JCOMM Pilot Intercomparison Project for Seawater Salinity – <b>pdf only</b>	2015
83	Ship Observations Team (SOT) Annual Report 2014 – <b>Website only</b>	2015
82	Report of the 2014 Meeting for the WCRP- JCOMM Coordinated Global Wave Climate Projections (COWCLIP)	2014
81	S-411 Ice Information Product Specification	2014
80	Electronic Chart Systems Ice Objects Catalogue	2014
79	Proceedings of the Fourth JCOMM Workshop on Advances of Marine Climatology (CLIMAR-4), Asheville, North Carolina, USA, 9 - 12 June 2014. – <b>pdf only</b>	2015
78	Proceedings and Recommendations: Training Workshop on Marine Forecasting for Gulf of Guinea and North Atlantic Region, 3-7 March 2014, Dakar, Senegal	2014
77	JCOMM Ship Observations Team (SOT), Annual report for 2013 – <b>Website only</b>	2014
76	WCRP-JCOMM Coordinated Global Wave Climate Projections (COWCLIP) Review	2014
75	Coastal Inundation Forecasting Demonstration Project: System Design for Bangladesh	2013
74	Coastal Inundation Forecasting Demonstration Project: System Design for Fiji	2013
73	Coastal Inundation Forecasting Demonstration Project: National Capacity Assessment for Bangladesh	2013
72	An Oceanographer's and Marine Meteorologist's Cookbook for Submitting Data in Real Time and In Delayed Mode – <b>pdf only</b>	Pending
71	Coastal Inundation Forecasting Demonstration Project: National Capacity Assessment for Fiji	2013
70	Fiji Stakeholders Workshop for WMO Coastal Inundation Forecasting Demonstration Project, 18-21 February 2013, Nadi, Fiji – <b>Website only</b>	2013
69	JCOMM Ship Observations Team (SOT), Annual report for 2012– <b>Website only</b>	2012
68	Proceedings: 8th JCOMM/TCP Workshop on Storm Surge and Wave Forecasting, 19~23 November 2012, Nairobi, Kenya – <b>Website only</b>	2012

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No.	Title	Issued
67	12th International Workshop on Wave Hindcasting and Forecasting, and 3rd Coastal Hazard Symposium, 2011, Kona, Hawaii, USA – <b>Website only</b>	2012
66	GLOSS Implementation Plan 2012 – <b>pdf only</b>	2012
65	Bangladesh Stakeholders Workshop for JCOMM-CHy Coastal Inundation Forecasting Demonstration Project, 28 November - 1 December 2011, Dhaka, Bangladesh - <b>Website only</b>	2012
64	Coastal Inundation Forecasting Demonstration Project – Implementation Plan – <b>Website only</b>	2012
63	Recommended algorithms for the computation of marine meteorological variables – <b>pdf only</b>	2015
62	Proceedings: 7th TCP-JCOMM Workshop on Storm Surge and Wave Forecasting, 10 ~ 14 October 2011, Macao, China – <b>Website only</b>	2011
61	SOT Implementation Strategy – <b>pdf only</b>	2014
60	SOT annual report for 2011– <b>Website only</b>	2012
59	Proceedings of the 3 <sup>rd</sup> International Workshop on Advances in the Use of Historical Marine Climate Data (MARCDAT-III), 2-6 May 2011 – <b>Website only</b>	2011
58	Extreme value analysis: still water level – <b>pdf only</b>	2011
57	Extreme value analysis: wave data – <b>pdf only</b>	2011
56	Final Report: 3 <sup>rd</sup> Ice Analysts Workshop, Copenhagen, Denmark, 18-22 June 2011 – <b>pdf only</b>	2011

**As of July 2011 TD numbers are no longer allocated**

No.	Title	WMO/TD-No.	Issued
55	WCRP-JCOMM Workshop on Coordinated Global Wave Climate Projections – <b>pdf only</b>	1518	2011
54	Ship Observations Team (SOT) Annual Report 2010– <b>Website only</b>	1568	2011
53	The WMO-IOC Network of Regional Marine Instrument Centres (RMICS) – <b>pdf only</b>	1564	2010
52	11th international workshop on wave hindcasting and forecasting and 2nd coastal hazard symposium – <b>Website only</b> Halifax, Canada, 18-23 October, 2009.	1553	2010
51	SOT Annual Report for 2009– <b>Website only</b>	1525	2010
50	JCOMM-III – Scientific Lectures – <b>Website only</b>	1518	2009
49	Proceedings of the 2nd Ice Analysts Workshop, Rostock, Norway 15-19 June 2009 – <b>Website only</b>	1517	2009
48	Project report, Pilot Project for the Integration of marine meteorological and other appropriate oceanographic observations into the WMO Integrated Global Observing System (WIGOS) – <b>pdf only</b>	1515	2011
47	JCOMM Technical Workshop on Wave Measurements from Buoys, 2-3 October 2008, New York City, USA – <b>Website only</b>	1466	2008

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No.	Title		Issued
46	SOT Annual Report for 2008 – <b>Website only</b>	1459	2008
45	Proceedings of the 3 <sup>rd</sup> JCOMM Workshop on Advances in Marine Climatology, Gdynia, Poland, 6-9 May 2008 – <b>CD-ROM and Website</b>	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 and – Website</b>	1442	2008
43	Proceedings of the Ice Analysts Workshop, Rostock, Germany 12-17 June 2008 – <b>CD ROM and Website</b>	1441	2008
42	Proceedings of the OGP/JCOMM/WCRP Workshop on Climate Change & the Offshore Industry Geneva, 27-29 May 2008 – <b>CD ROM and Website</b>	1440	2008
41	SOT Annual report for 2007 – CD-ROM and <b>Website</b>	1431	2008
40	JCOMM Data Management Plan Revision 1 Revision 2 – <b>pdf only</b>	1426	2008 2012 2015
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>	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>	1398	2007
37	Application of collected data, Presentations at the DBCP Technical Workshop, Buenos Aires, Argentina, 17-18 October 2005 – <b>Website only</b>	1388	2006
36	SOT Annual Report for 2006 – <b>Website only</b>	1394	2007
35	Application of collected data, Presentations at the DBCP Technical Workshop, Chennai, India, 18-19 October 2004 – <b>Website only</b>	1387	2006
34	Ninth International Workshop on Wave Hindcasting and Forecasting (Victoria, Canada, 24-29 September 2006) – <b>CD ROM and Website</b>	1368	2007
33	Techniques and Benefits of Satellite Data and Wave Models, J.-M. Lefèvre, J.-R. Bidlot and S. Abdalla – <b>pdf</b>	1357	2006
32	SOT Annual Report for 2005 – <b>CD ROM and Website</b>	1346	2006
31	Manual on Sea Level, Measurement and Interpretation, Volume IV: An Update to 2006 - <b>pdf</b>	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 – <b>pdf</b>	1333	2006
29	Eighth International Workshop on Wave Hindcasting and Forecasting (North Shore, Oahu, Hawaii, 14-19 November 2004) – <b>Website only</b>	1319	2006
28	Third International Workshop for Port Meteorological Officers (Hamburg, Germany, 23-24 March 2006 – <b>CD ROM and Website</b>	1318	2006
27	An International Seminar to Celebrate the Brussels Maritime Conference of 1853 - An Historical Perspective of Operational Marine Meteorology and	1226	2004

\*Out-of-print

No.	Title		Issued
	Oceanography - Proceedings - <b>CD ROM and Website</b>		
26	Automated Shipboard Aerological Programme (ASAP) - Annual Report for 2003 – <b>pdf</b> (p. 4, 5, 6)	1224	2004
25	Second International Workshop for Port Meteorological Officers - <b>CD ROM and Website</b>	1216	2004
24	Ice Chart Colour Code Standard	1215	2004
23	SIGRID-3: A Vector Archive Format for Sea Ice Charts Revision 1– <b>pdf</b>	1214	2004 2010
22	Proceedings of CLIMAR-II - Second JCOMM Workshop on Advances in Marine Climatology (Brussels, Belgium, 17-22 November 2003) - <b>CD ROM and Website</b>	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 and Website</b>	1171	2003
20	JCOMM Ship Observations Team, Second Session - National Reports (London, United Kingdom, 28 July - 1 August 2003) – <b>pdf only</b>	1170	2003
19	Automated Shipboard Aerological Programme (ASAP) - Annual Report for 2002 – <b>pdf</b> (p. 4, 5, 6)	1169	2003
18	JCOMM Expert Team on Maritime Safety Services (ETMSS), First Session - National Reports (Lisbon, Portugal, 11-14 September 2002) - <b>e-version only (doc, pp. 74-75 pdf)</b>	1135	2002
17	JCOMM Ship Observations Team, First Session - National Reports (Goa, India, 25 February - 2 March 2002) - <b>Website only (doc, pp. 48-63 doc)</b>	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>	1118	2002
15	Automated Shipboard Aerological Programme (ASAP) - Annual Report for 2001 – <b>pdf</b> (pp. 4, 5, 6)	1112	2002
14	Operational Oceanography - Scientific Lectures at JCOMM-I (Akureyri, Iceland, June 2001)	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> Revision 1 – <b>Website only</b> Revision 2 – <b>Website only</b>	1081	2003 2005 2011
12	Automated Shipboard Aerological Programme (ASAP) – Annual Report for 2000	1069	2001
11	JCOMM Capacity Building Strategy	1063	2001
10	Proceedings of CLIMAR99 - WMO Workshop on Advances in Marine Climatology (Vancouver, Canada, 8-15 September 1999) - <b>CD ROM and Website</b>	1062	2003
9	Estimation of Extreme Wind Wave Heights	1041	2000
8	Oceanographic and Marine Meteorological Observations in the Polar Regions - A Report to the Joint WMO/IOC Technical Commission on	1032	2000

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No.	Title		Issued
	Oceanography and Marine Meteorology – <i>E-version</i>		
7*	Proceedings of a Workshop on Mapping and Archiving of Sea Ice Data – The Expanding Role of Radar, Ottawa, Canada, 2-4 May 2000 – <i>pdf</i>	1027	2000
6	Automated Shipboard Aerological Programme (ASAP) – Annual Report for 1999	1011	2000
5	Voluntary Observing Ships (VOS Climate Subset Project (VOSCLIM) – Project Document)	1010	2000
	Revision 1	1042	2001
	Revision 2 - <i>e-version only (pdf, pp. 17-18 pdf, pp. 19-20 pdf, pp. 21-29 pdf)</i>	1122	2002
4	The Voluntary Observing Ships Scheme – A Framework Document	1009	2000
	Revision 2 – <i>pdf</i>		2010
	Revision 3 – <i>pdf</i>		2015
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	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
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	WMO/TD-No. 938	1998

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No.	Title	WMO/TD-No.	Issued
	Operational Application of Ocean Wave Data - in French only		
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
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	WMO/TD-No. 604	1993

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<b>No.</b>	<b>Title</b>	<b>WMO/TD-No.</b>	<b>Issued</b>
	Meteorology Technical Conference on Ocean Remote Sensing		
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)	WMO/TD-No. 211	1987
	Forecasting of Fog at Sea - in French only		
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
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	WMO/TD-No. 35	1994

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No.	Title	WMO/TD-No.	Issued
	on Wave Measuring Techniques, Numerical Wave Models and Intercomparisons		
	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 Marine Meteorological Services Products	-	1981
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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