

1980

ANNUAL TROPICAL

CYCLONE REPORT



JOINT TYPHOON WARNING CENTER
GUAM, MARIANA ISLANDS



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FRONT COVER: *The islands of Guam and Rota
as viewed by satellite (DMSP
imagery).*

FOREWORD

The Annual Tropical Cyclone Report is prepared by the Staff of the Joint Typhoon Warning Center (JTWC). JTWC is a combined USAF/USN entity operating under the command of the U. S. Naval Oceanography Command Center, Guam. The senior Air Force Officer assigned is designated as Director, JTWC and is responsible to the Commanding Officer, U.S. Naval Oceanography Command Center, Guam for the operation of the JTWC. The senior Naval Officer of the JTWC is designated as the Deputy Director/Operations Officer. The JTWC was established by CINCPACFLT message 280208Z April 1959 when directed by CINCPAC message 230233Z April 1959. Its operation is guided by the CINCPACINST 3140.1 (series).

The Naval Oceanography Command Center/Joint Typhoon Warning Center, Guam has the responsibility to:

1. Provide continuous meteorological watch of all tropical activity north and south of the equator, west of the Date line, and east of the African coast (JTWC area of responsibility) for potential tropical cyclone development.
2. Provide warnings for all significant tropical cyclones in the assigned area of responsibility.
3. Determine tropical cyclone reconnaissance requirements and assign priorities.
4. Conduct an annual post-analysis of all tropical cyclones occurring within the JTWC area of responsibility and prepare an Annual Tropical Cyclone Report for issuance to interested agencies. Only summaries and statistics for Northern Hemisphere tropical cyclones are included in this report.
5. Conduct tropical cyclone forecasting and detection research as practicable.

In the event of incapacitation of the JTWC, the Alternate JTWC (AJTWC) assumes responsibility for issuing warnings. The U. S. Naval Western Oceanography Center, Pearl Harbor, Hawaii is designated as the AJTWC. Assistance in determining tropical cyclone reconnaissance requirements and in obtaining reconnaissance data is provided by Detachment 4, 1st Weather Wing, Hickam AFB, Hawaii.

The meteorological services of the United States are planning to implement the metric system of measurement over the next few years. Some civilian and military agencies have started the education program by showing the metric equivalents to current units of measure. This Annual Tropical Cyclone Report includes metric equivalents to most measures.

Unless otherwise stated, all satellite data used in this report are Air Force Air Weather Service data acquired by Air Force Communications Command personnel and analyzed by satellite analysts at Det 1, LWW, collocated with the JTWC at Nimitz Hill, Guam; Det 5, LWW, Clark Air Base, Philippines; Det 8, 30WS, Kadena Air Base, Japan; Det 15, 30WS, Osan Air Base, Korea; Det 4, LWW, Hickam Air Force Base, Hawaii; and Air Force Global Weather Central, Offutt Air Force Base, Nebraska. The Naval Oceanography Command Detachment, Diego Garcia, also provided timely satellite position fixes for tropical disturbances in the Arabian Sea and Bay of Bengal.

The Staff of JTWC is indebted to Captain Thomas R. Murray, USN and Captain Jesus B. Tupaz, USN, for the many valuable suggestions and comments provided during preparation of the 1980 Annual Tropical Cyclone Report.

The staff of the Joint Typhoon Warning Center wishes to thank the men and women of the Fleet Air Photographic Laboratory, Naval Air Station, Agana for their services in the reproduction of the satellite data for this report.

NOTE: Appendix 4 contains information on how to obtain past issues of the Annual Typhoon Report.

TABLE OF CONTENTS

CHAPTER I	OPERATIONAL PROCEDURES	page
	1. General-----	1
	2. Data Sources-----	1
	3. Communications-----	1
	4. Analyses-----	2
	5. Forecast Aids-----	2
	6. Forecasting Procedures-----	2
	7. Warnings-----	3
	8. Prognostic Reasoning Message-----	3
	9. Significant Tropical Weather Advisory-----	3
	10. Tropical Cyclone Formation Alert-----	3

CHAPTER II	RECONNAISSANCE AND FIXES	
	1. General-----	4
	2. Reconnaissance Availability-----	4
	3. Aircraft Reconnaissance Summary-----	4
	4. Satellite Reconnaissance Summary-----	5
	5. Radar Reconnaissance Summary-----	7
	6. Tropical Cyclone Fix Data-----	7

CHAPTER III	SUMMARY OF TROPICAL CYCLONES	
	1. Western North Pacific Tropical Cyclones-----	10

INDIVIDUAL TROPICAL CYCLONES

<u>TROPICAL CYCLONE</u>	<u>AUTHOR</u>	<u>page</u>	<u>TROPICAL CYCLONE</u>	<u>AUTHOR</u>	<u>page</u>
TD 01	DUNNAVAN-----	16	TY NORRIS	MATSUMOTO-----	60
TS CARMEN	WEIR-----	20	TD 16	WEIR-----	64
TY DOM	HUNTLEY-----	22	TY ORCHID	WEIR-----	65
TY ELLEN	GUAY-----	26	TY RUTH	HUNTLEY-----	70
TS FORREST	SHEWCHUK-----	30	TY PERCY	FAGEN-----	72
TS GEORGIA	DUNNAVAN-----	32	TY SPERRY	SMITH-----	76
TS HERBERT	MATSUMOTO-----	36	TS THELMA	TODD-----	30
TS IDA	WEIR-----	38	TY VERNON	DUNNAVAN-----	84
TY JOE	HUNTLEY-----	40	ST WYNNE	MATSUMOTO-----	88
TD 10	MATSUMOTO-----	44	TS ALEX	HUNTLEY-----	94
TY KIM	FAGEN-----	46	TY BETTY	WEIR-----	96
TY LEX	SMITH-----	50	TS CARY	SMITH-----	100
TY MARGE	TODD-----	52	TY DINAH	FAGEN-----	102
TD 14	DUNNAVAN-----	58	TS ED	DUNNAVAN-----	106

2. North Indian Ocean Tropical Cyclones-----109

TC 23-80	FAGEN-----	110	TC 27-80	HUNTLEY-----	112
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CHAPTER IV	SUMMARY OF FORECAST VERIFICATION	
	1. Annual Forecast Verification-----	113
	2. Comparison of Objective Techniques-----	118

CHAPTER V	APPLIED TROPICAL CYCLONE RESEARCH SUMMARY	
	1. JTWC Research-----	121
	Equivalent Potential Temperature/Minimum Sea-level Pressure Relationships for Forecasting Tropical Cyclone Intensification	
	Tropical Cyclone Wind Radius Program	
	Evaluation of Objective Techniques	
	Evaluation of the Navy Nested Two-Way Interactive TCM (NTCM)	
	A New Tropical Cyclone Forecast Aid Based on a Blending of Persistence and Climatology (BPAC)	

		page
2.	NEPRF RESEARCH-----	121
	The Navy Two-Way Interactive Nested Tropical Cyclone Model (NTCM)	
	The Performance of the NTCM When Initialized with Global Band Analyses Versus Global Band 12-hr Prognoses Valid at the Same Time	
	The Effect of Heating on Typhoon Track Forecasting Using the NTCM	
	Predicting Tropical Cyclone Formation in WESTPAC	
	Tropical Cyclone Strike and Wind Probabilities	
	Tropical Cyclone Haven Studies	
	Southern Hemisphere Upper-Level Tropical Cyclone Steering Techniques	
	Tropical Cyclone Surface Wind Distribution	
	Tropical Cyclone Intensity	
	Satellite Based Tropical Cyclone Intensity Forecasts	
	Automatic Extraction of Tropical Cyclone Satellite Winds	
	Tropical Cyclone Spiral Linearization Technique	
ANNEX A	TROPICAL CYCLONE TRACK AND FIX DATA	
	1. Western North Pacific Tropical Cyclones-----	124
	2. North Indian Ocean Tropical Cyclones-----	176
APPENDIX	I. Contractions-----	179
	II. Definitions-----	181
	III. References-----	182
	IV. Past Annual Typhoon Reports-----	183
DISTRIBUTION	-----	184