

Typhoon (TY) 10W (Morakot)



First Poor : N/A

First Fair : N/A

First TCFA : 1400Z 31 Jul 03

First Warning : 1200Z 01 Aug 03

Last Warning : 0000Z 05 Aug 03, Dissipated

Max Intensity : 65 kts, gusts to 80 kts

Landfall : T'aitung, Taiwan & Quanzhou, China

Total Warnings : 15

Remarks:

1) Typhoon (TY) 10W was initially designated as a tropical disturbance in the Philippine Sea on 30 July, 2003, with a first warning being issued at 1200Z on 31 July. The system was classified as a tropical depression as it began to organize and track northwest along western periphery of the mid-level steering ridge northeast of the system. Outflow associated with a col in the upper ridge axis permitted the cyclone to reach marginal typhoon strength just prior to landfall, at approximately 1500Z on 03 August, on the southeast coast of Taiwan.

Subsequently, TY 10W weakened slightly before emerging in the Taiwan Strait, near T'ainan, at approximately 1800Z on 03 Aug. The cyclone then tracked west-northwestward under the influence of the building mid-level ridge to the east until making landfall for a second time, near Quanzhou, China, at approximately 1000Z on 4 Aug with an estimated intensity of 55 knots and dissipated in less than 12 hours.

2) Taiwan news agencies reported torrential rains and damaging mudslides but no fatalities. No fatality or significant damage reports were received for the Quanzhou region.

Statistics for JTWC on TY 10W

DTG	WRN NO.	BEST TRACK		wind	POSITION ERRORS								WIND ERRORS							
		LAT	LONG		00	12	24	36	48	72	96	120	00	12	24	36	48	72	96	120
03073018		11.8N	130.4E	20																
03073100		12.8N	129.3E	20																
03073106		13.9N	128.1E	20																
03073112		14.9N	127.0E	20																
03073118		15.6N	126.5E	20																
03080100		16.1N	126.2E	25																
03080106		16.5N	126.0E	25																
03080112	1	16.9N	125.9E	30	29	53	78	92	144	240			0	0	0	0	-10	5		
03080118	2	17.4N	125.8E	35	30	85	148	167	147	194			-5	-5	5	-10	5	35		
03080200	3	18.3N	125.6E	35	8	58	113	105	102	177			0	0	5	0	15	10		
03080206	4	18.9N	124.9E	45	11	50	75	66	102				0	10	0	15	-5			
03080212	5	19.6N	124.1E	45	26	64	77	86	111				0	5	0	15	5			
03080218	6	20.4N	123.2E	45	8	21	11	28	19				0	-10	-5	-5	5			
03080300	7	20.7N	122.1E	50	8	46	33	21	12				-5	-15	-10	0	20			
03080306	8	21.4N	121.4E	65	12	71	80	62					0	5	-5	10				
03080312	9	22.4N	121.1E	65	30	24	48	32					0	5	0	15				
03080318	10	22.8N	120.5E	60	21	28	37						5	5	15					
03080400	11	23.3N	119.7E	60	24	53	37						5	0	10					
03080406	12	24.1N	119.1E	60	20	16							5	5						
03080412	13	24.8N	118.4E	55	10	18							0	15						
03080418	14	25.2N	117.9E	35	13								-5							
03080500	15	25.5N	117.4E	30	20								-5							
			AVERAGE		18	45	67	73	91	204			2	6	5	8	9	17		
			BIAS										0	2	1	4	5	17		
			# CASES		15	13	11	9	7	3			15	13	11	9	7	3		

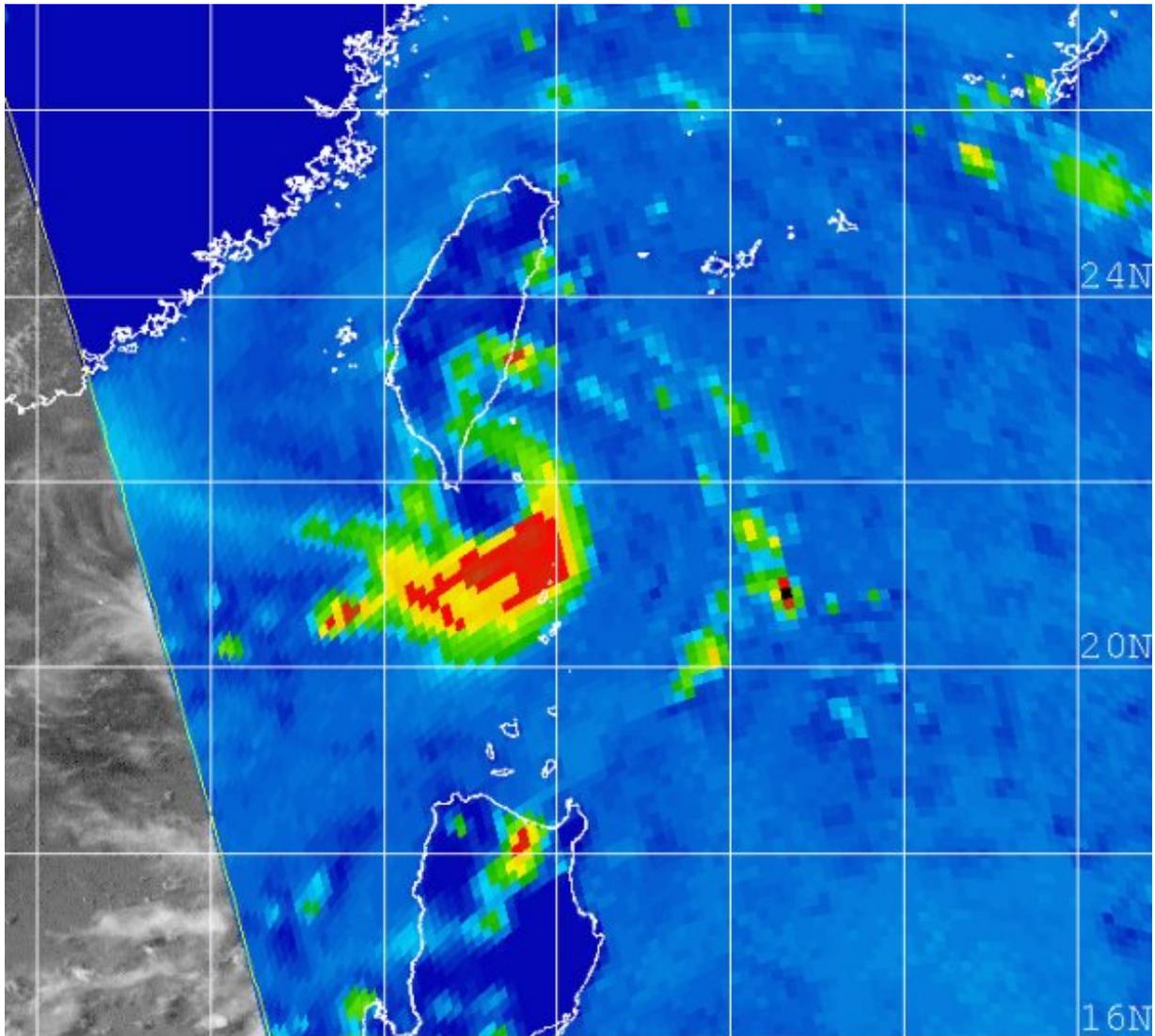
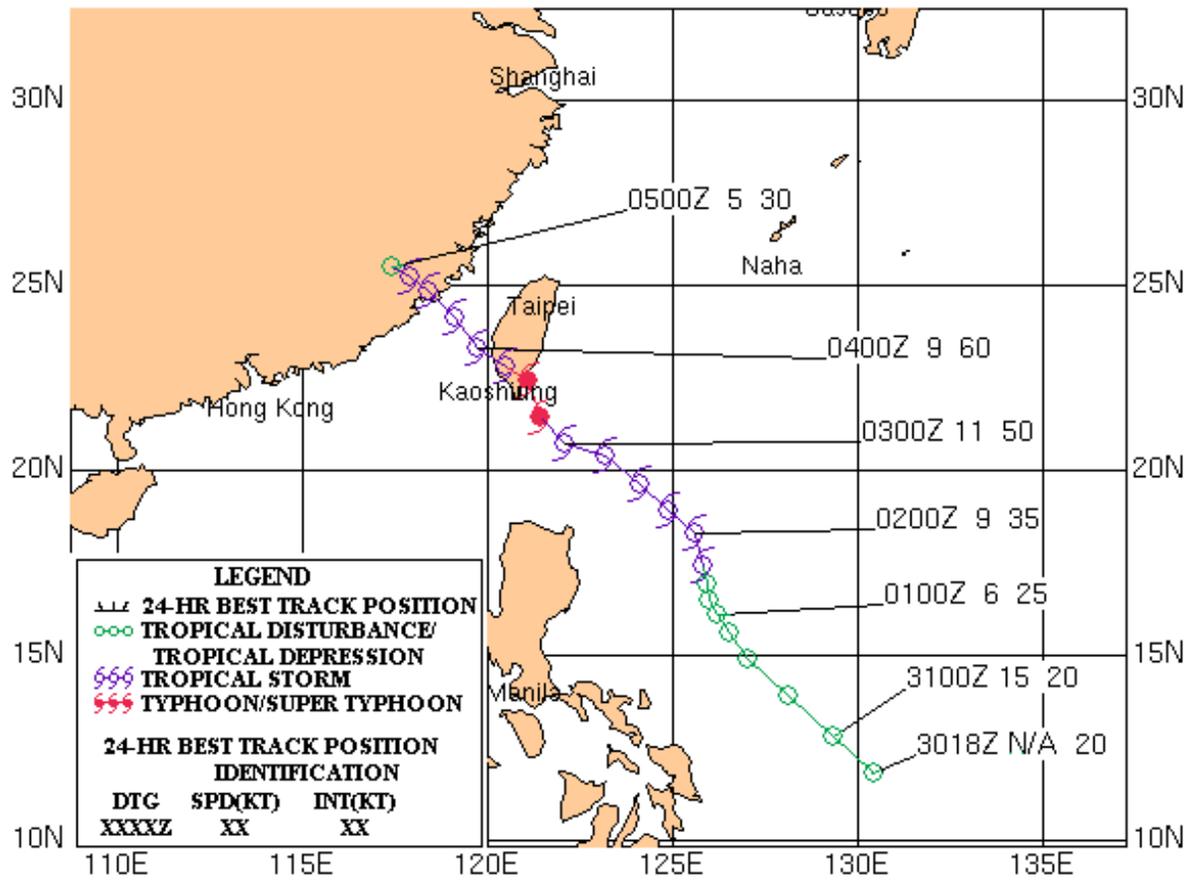


Figure 1-10W-1. 030952Z August 2003 GOES-9 85 GHz SSM/I imagery of TY 10W (Morakot), the large eye was located on the southern coast of Taiwan at its peak intensity of 65 knots.

TYPHOON 10W (MORAKOT)

01 - 05 AUGUST 2003



Time Intensity for 10W

Intensity (kts)

