

Tropical Cyclone (TC) 19S (Japhet)*



First Poor : 1800Z 23 Feb 03

First Fair : 1800Z 24 Feb 03

First TCFA : 2100Z 25 Feb 03

First Warning : 0000Z 26 Feb 03

Last Warning : 1200Z 03 Mar 03, Dissipated

Max Intensity : 115 kts, gusts to 140 kts

Landfall : South of Vilanculos, Mozambique on 02 March at approx 1700Z with intensity of 85 knots.

Total Warnings : 12

Remarks:

(1) Tropical Cyclone (TC) 19S formed off the southwestern coast of Madagascar in the warm tropical waters of the Mozambique Channel. Initially, the cyclone was located in a weak steering environment, drifting slowly southward as it consolidated. The approach of a transitory ridge from the southwest altered the track west, followed by a weakness in the ridge which altered the track southwestward and provided an improved upper level environment for intensification. TC 19S attained a maximum intensity of 115 knots by 01 March and maintained this intensity for almost 24 hours.

TC 19S made landfall on 02 March at approximately 1700Z just south of Vilanculos, Mozambique with an intensity of 85 knots. The cyclone then weakened rapidly as it moved onto land on a westward track. The remnants of TC 19S then drifted into central Zimbabwe and dissipated.

(2) The intense winds and torrential rains caused by TC 19S damaged infrastructure across southern and central Mozambique and regions of southern and eastern Zimbabwe. News accounts reported a total of 19 fatalities. The heavy tropical rains brought widespread flooding to the Save River basin. On a positive note, remnants of TC 19S brought much needed moisture to many areas in the region that had been experiencing drought.

*Named by WMO designated RSMC

Statistics for JTWC on TC19S

Statistics for JTWC on TC19S																				
WRN		BEST TRACK			POSITION ERRORS							WIND ERRORS								
DTG	NO.	LAT	LONG	wind	00	12	24	36	48	72	96	120	00	12	24	36	48	72	96	120
03022412		21.4S	42.3E	20																
03022418		21.2S	42.6E	20																
03022500		21.4S	42.9E	20																
03022506		21.7S	42.8E	25																
03022512		22.1S	42.7E	25																
03022518		22.4S	42.4E	25																
03022600	1	22.3S	41.5E	30	40	95	88	77	81				0	0	-5	-20	-15			
03022612	2	21.6S	39.8E	35	12	64	104	124	151				0	0	-10	-15	-15			
03022700	3	21.4S	39.2E	45	8	49	63	102	187				0	-10	-10	-10	-65			
03022712	4	21.9S	38.7E	65	8	11	8	77	162				-5	-5	-10	-45	-65			
03022800	5	22.5S	38.0E	75	30	26	42	63	50				0	0	-25	-20	-15			
03022812	6	23.2S	37.6E	85	5	16	37	48	94				0	-25	-20	-15	0			
03030100	7	23.9S	37.6E	115	0	30	90	183	240				0	0	5	15	35			
03030112	8	23.6S	37.6E	115	6	49	95	107	127				0	10	15	30	30			
03030200	9	23.0S	36.9E	105	8	57	86	110	130				0	5	25	20	10			
03030212	10	22.1S	35.7E	90	8	19	37	66					-5	10	5	-5				
03030300	11	21.3S	34.7E	65	8	17	48						-5	-15	-20					
03030312	12	20.8S	33.4E	60	11	42							-5	-15						
03030318		20.3S	32.9E	55																
03030400		19.8S	32.5E	55																
			AVERAGE		12	40	63	96	136				2	8	14	20	28			
			BIAS										-2	-4	-5	-7	-11			
			# CASES		12	12	11	10	9				12	12	11	10	9			

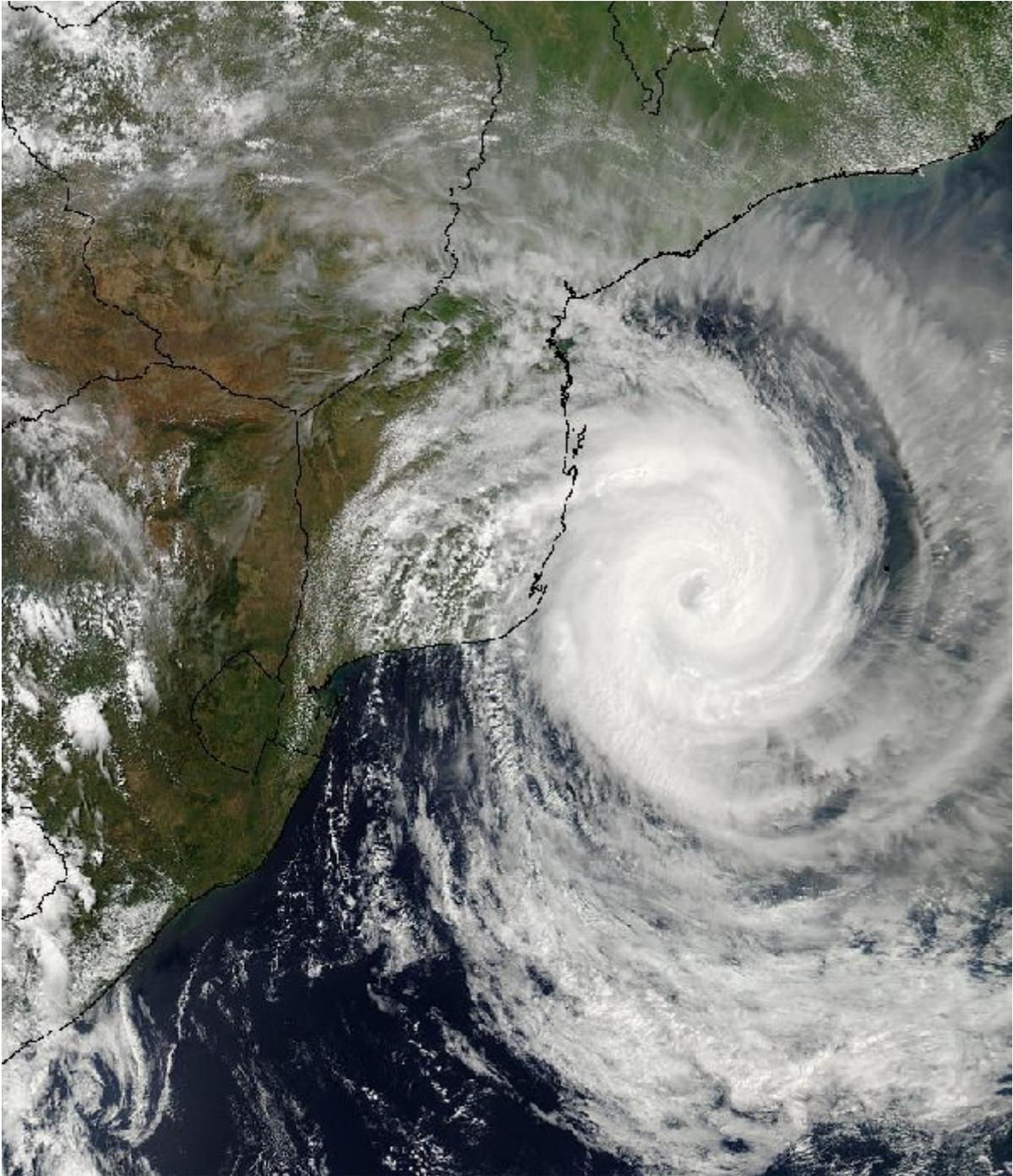


Figure 2-19S-1. 281140Z February 2003 MODIS true-color image of TC 19S (Japhet), located in the Mozambique Channel, with an intensity of 85 knots.

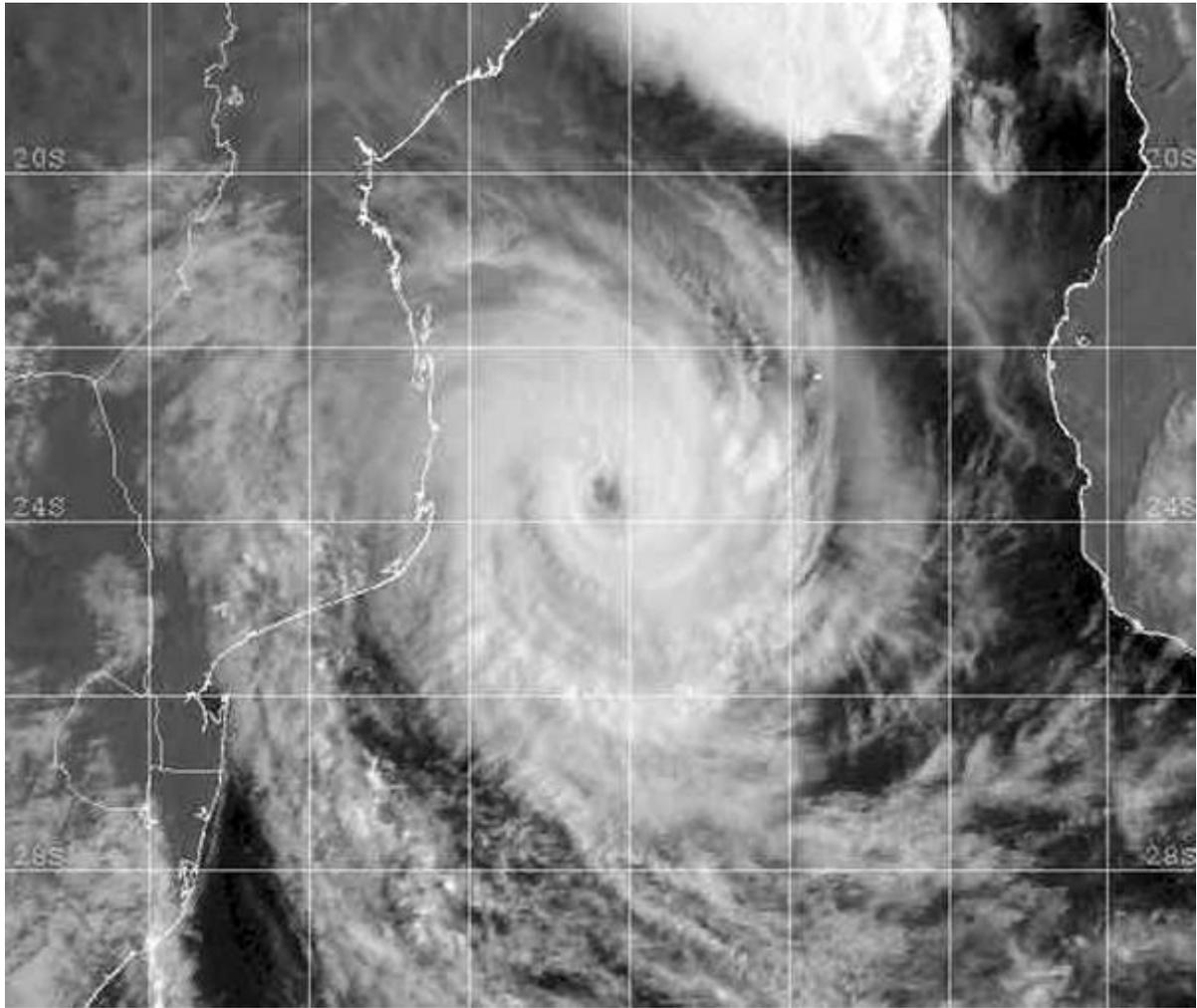


Figure 2-19S-2. 010600Z March 2003 Met-5 visible imagery of TC 19S (Japhet), located in the Mozambique channel, with a maximum intensity of 115 knots.

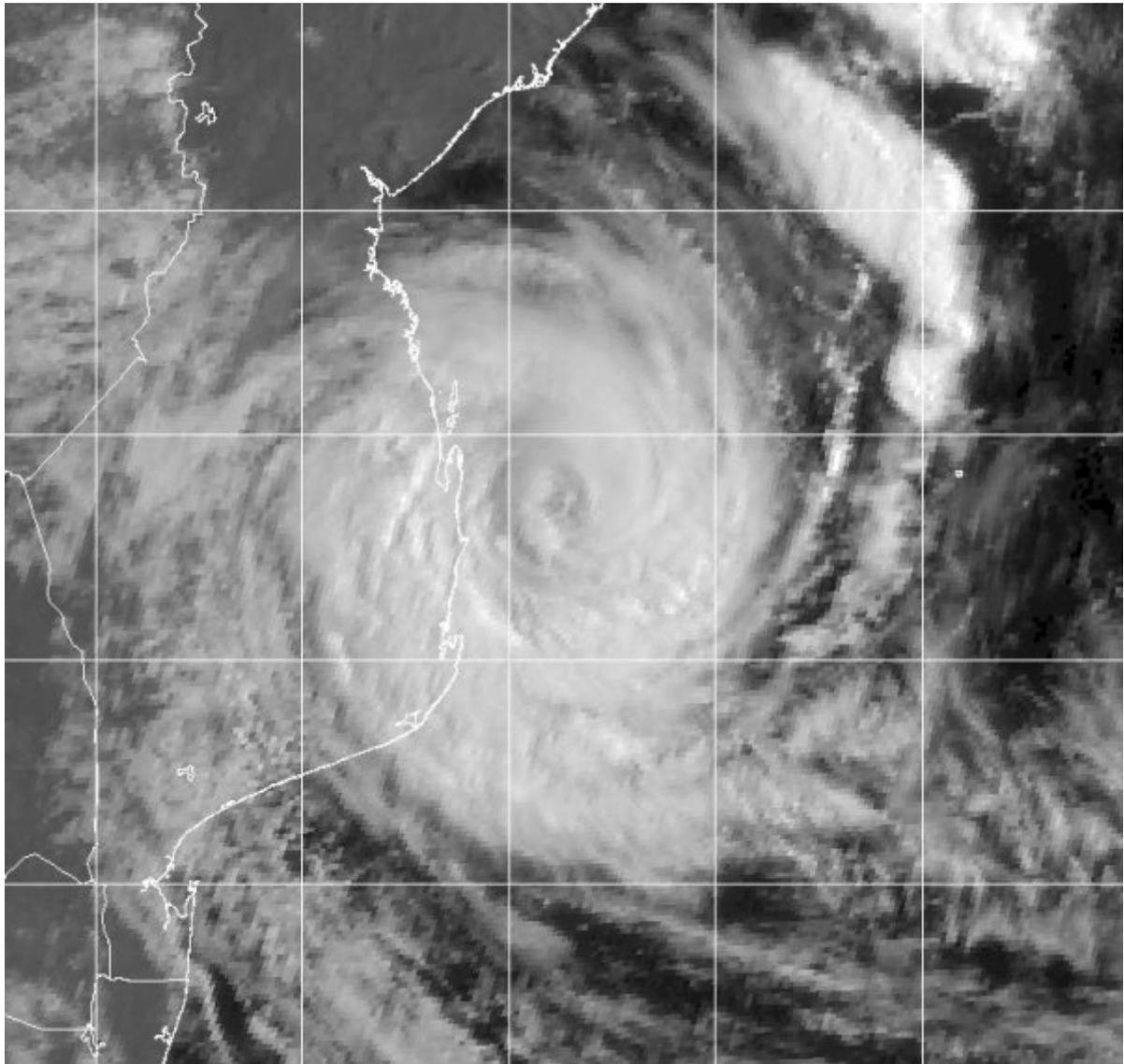
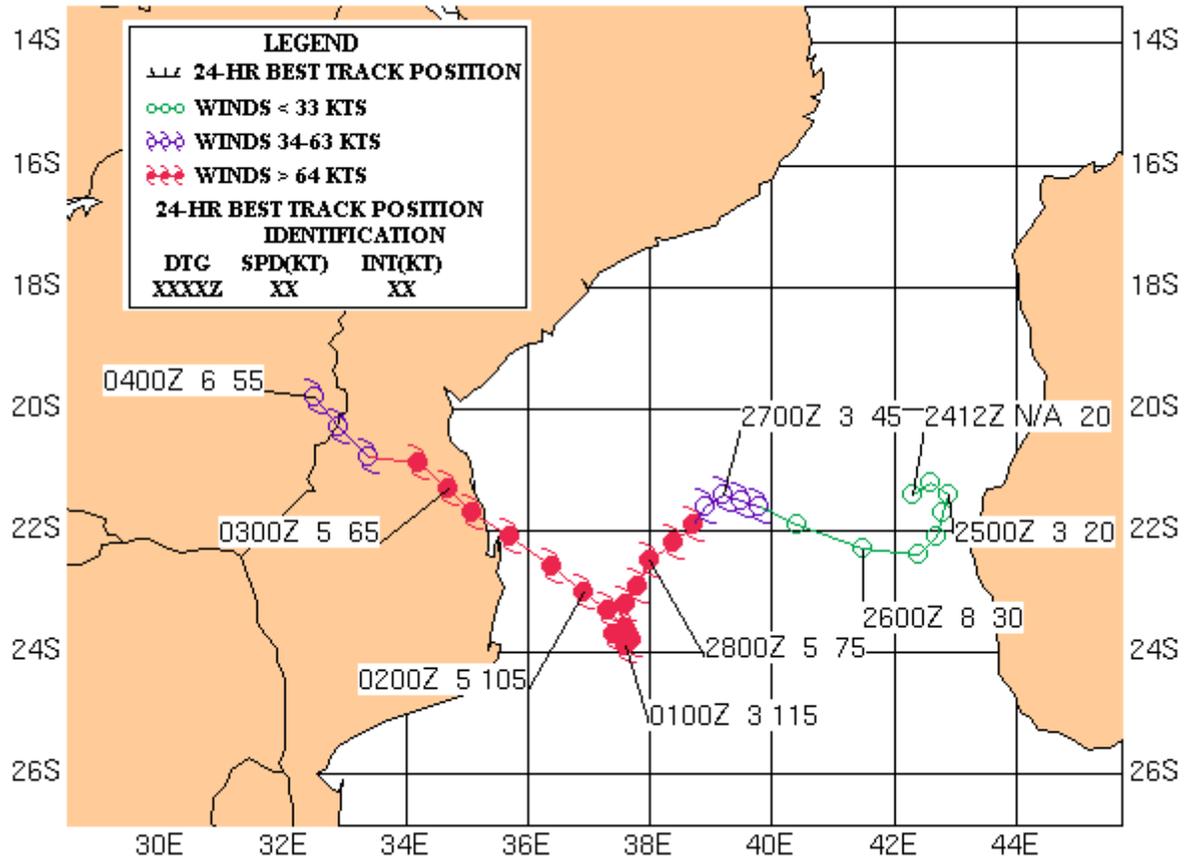


Figure 2-19S-3. 020630Z March 2003 Met-5 visible imagery of TC 19S (Japhet), located in the Mozambique channel, just prior to landfall with an intensity of 95 knots.

TROPICAL CYCLONE 19S (JAPHET)

14 FEB - 03 MAR 2003



Time Intensity for 19S

Intensity (kts)

