

## Tropical Cyclone (TC) 10P (Ami)\*



First Poor : N/A

First Fair : 1300Z 10 Jan 03

First TCFA : 0930Z 11 Jan 03

First Warning : 1800Z 11 Jan 03

Last Warning : 0600Z 15 Jan 03

Max Intensity : 110 kts, gusts to 135 kts

Landfall : None

Total Warnings : 8 plus 1 Amended Warning

Remarks:

(1) Tropical Cyclone (TC) 10P developed north of Samoa and the Fiji Islands on 10 January 2003 within the South Pacific Convergence Zone. The cyclone drifted slowly south initially, then began to increase in speed and rapidly intensify, attaining a peak intensity of 110 knots at 0000Z on 14 January. TC 10P passed just east of the Fiji Islands, with an intensity of 95 knots. An approaching frontal boundary then began interacting with the cyclone, causing an increase in track speed and a change in track direction to the southeast as it began extratropical transition. Transition was completed by 0600Z on 15 January while still a 70 knot system at which time the final warning was issued.

(2) Fiji was reported as having extensive flood damage, with 500 villagers left homeless and two reported fatalities. Storm force winds also caused damage to power lines and buildings.

\*Named by WMO designated RSMC

### Statistics for JTWC on TC10P

DTG	WRN	BEST TRACK		wind	POSITION ERRORS								WIND ERRORS							
	NO.	LAT	LONG		00	12	24	36	48	72	96	120	00	12	24	36	48	72	96	120
03011012		9.5S	177.6W	15																
03011018		9.6S	178.0W	15																
03011100		9.8S	178.5W	25																
03011106		10.1S	179.0W	25																
03011112		10.7S	179.3W	30																
03011118	1	11.1S	179.4W	35	13	57	83	114	162				0	0	-15	-25	-30			
03011206	2	11.5S	179.7W	45	13	8	30	89	192				0	-10	-30	-45	-65			
03011218	3	12.5S	179.8E	65	6	6	31	106	219				0	-10	-20	-55	-50			
03011306	4	14.3S	179.7E	85	5	29	64	138	187				-5	-5	-20	-20	-5			
03011318	5	17.0S	180.0W	95	18	104	176	217				-5	-20	-20	-5					
03011400	5A	19.2S	179.2W	110	16	24	96	186				-5	-5	-5	0					
03011406	6	21.1S	177.9W	110	6	35	75					0	0	15						
03011418	7	25.2S	173.3W	100	8	79						0	15							
03011506	8	28.7S	166.0W	70	16							0								
03011512		29.0S	161.7W	70																
			AVERAGE		12	43	79	142	190				2	8	18	25	38			
			BIAS										-2	-4	-14	-25	-38			
			# CASES		9	8	7	6	4				9	8	7	6	4			

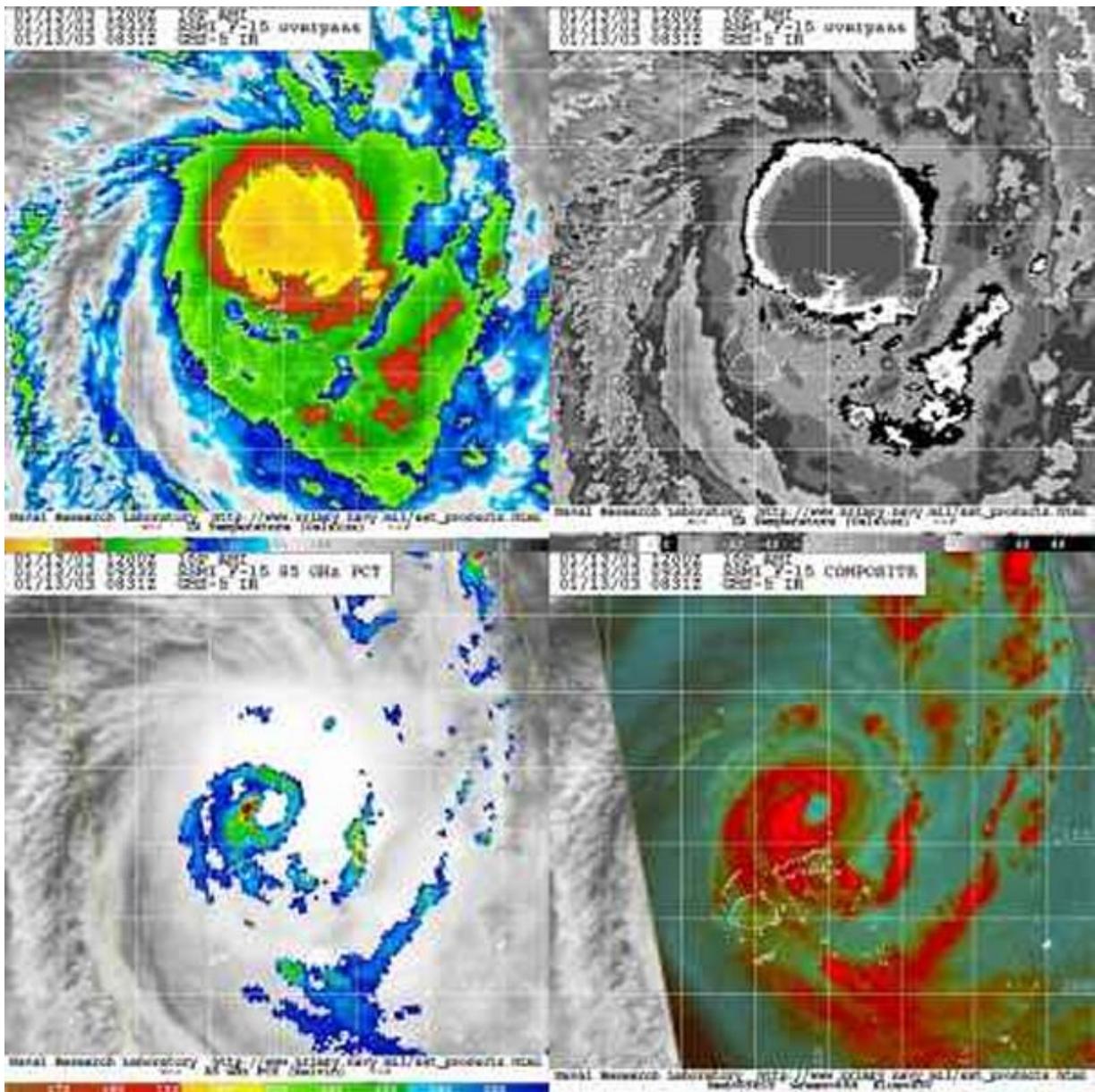


Figure 2-10P-1. 130933Z January 2003 multi-sensor satellite images of TC 10P (Ami), 170 nm northeast of Suva, Fiji. The system had just begun intensification with an estimated intensity of 80 knots.

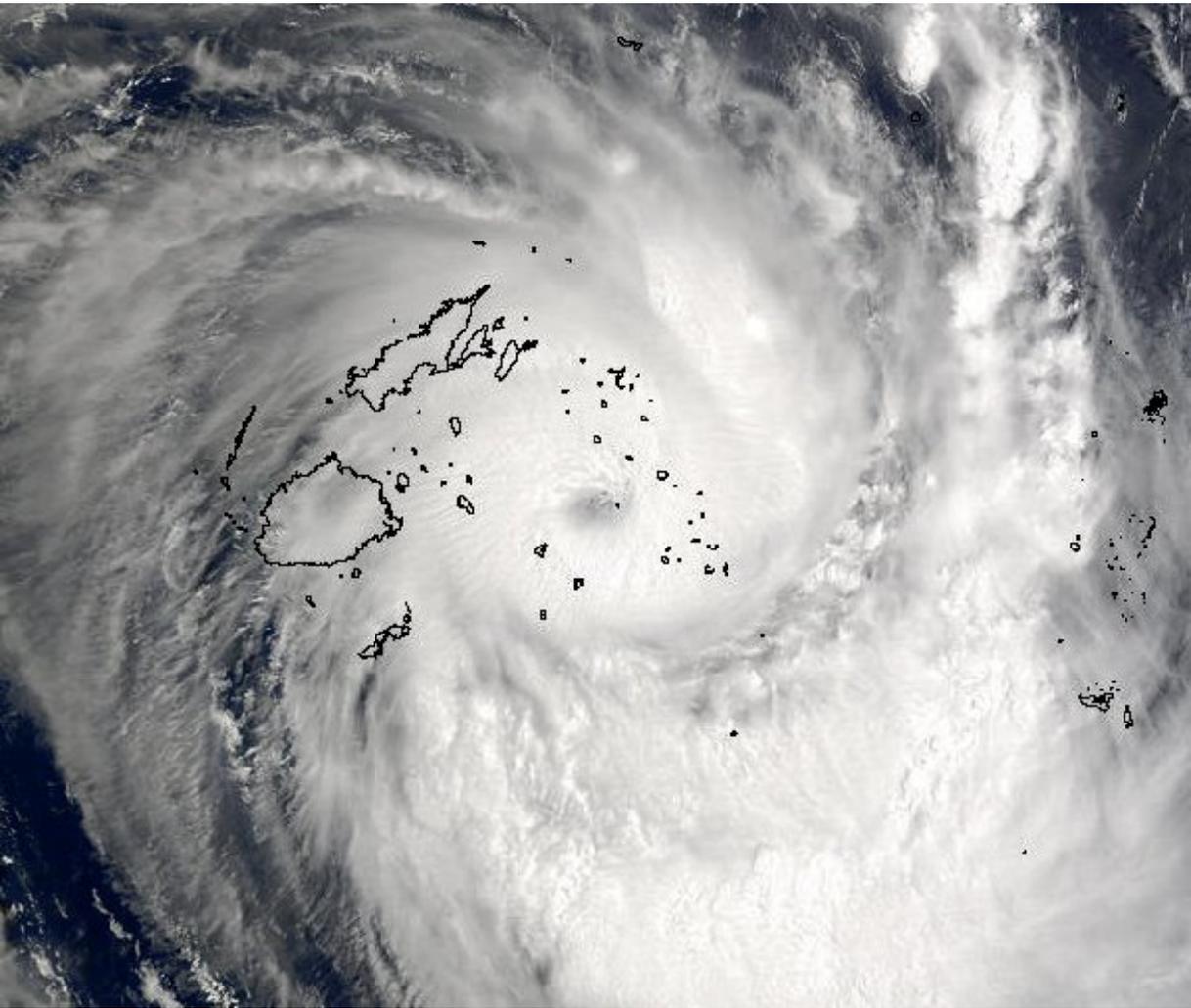


Figure 2-10P-2. 132200Z January 2003 MODIS true-color image of TC 10P (Ami), located over the Fiji Islands, with an intensity of 95 knots.

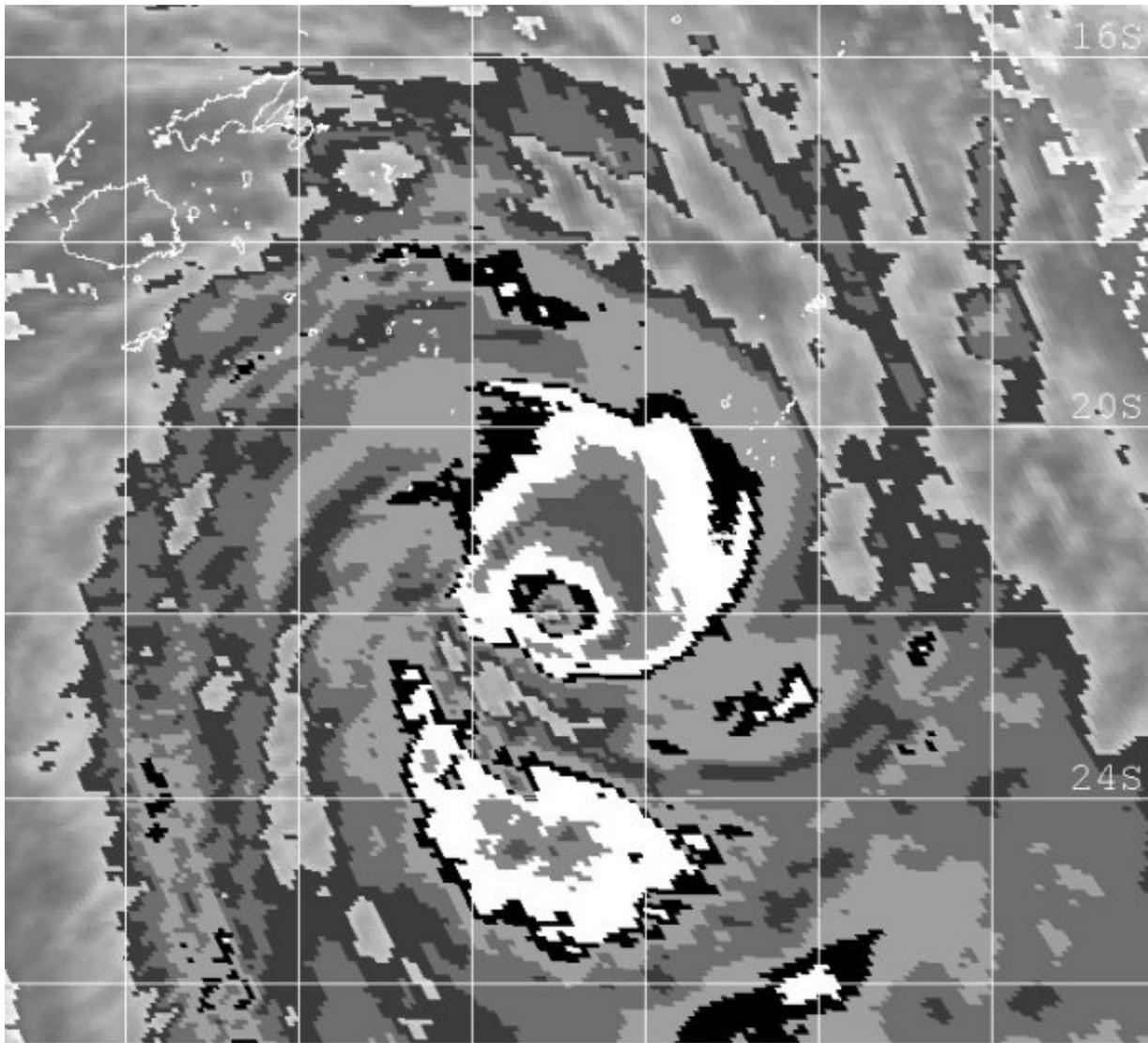


Figure 2-10P-3. 140916Z January 2003 enhanced infrared image of TC 10P (Ami), 150 nm northeast of Suva, Fiji. The system had its peak intensification with estimated intensity of 110 knots.

## TROPICAL CYCLONE 10P (AMI) 11-15 JAN 2003

