

PRELIMINARY REPORT

TROPICAL STORM ANA

19 - 24 June 1979

Ana was the first June storm to develop east of the Lesser Antilles since 1933 and only the second such in 100 years of record. Ana was the earlier but the 1933 storm developed farther to the east.

The disturbance which was to become Ana left the African west coast on 14 June. First evidence that a tropical depression was forming came on the morning of 19 June when satellite pictures indicated a circulation was developing near 10N 45W. The depression moved towards the westnorthwest about 12 knots until late on the 20th when it slowed and turned to the northwest in response to a weak trough approaching in the higher latitude westerlies. Some slight strengthening occurred at this time. Air Force reconnaissance reports indicated the depression was nearing tropical storm strength late on 21 June and this was confirmed on the morning of 22 June by another reconnaissance flight.

Ana was named at noon AST 22 June and gale warnings were issued for the islands from Martinique to Guadeloupe because of the proximity of the storm. However, strong westerlies at high levels began shearing the convection from the circulation center and Ana reached the islands as a minimal tropical storm late that day. Continued weakening took place as the depression turned more to the west and Ana was downgraded to a tropical depression on the morning of 23 June and to a tropical wave in the central Caribbean early on 24 June.

The maximum sustained winds in Ana were estimated to be 50 knots on the morning of 22 June with the minimum central pressure of 1005 millibars also occurring at that time.

There was no heavy rainfall in the islands and no reports of gale force winds. No deaths or significant damage have been reported. PJH

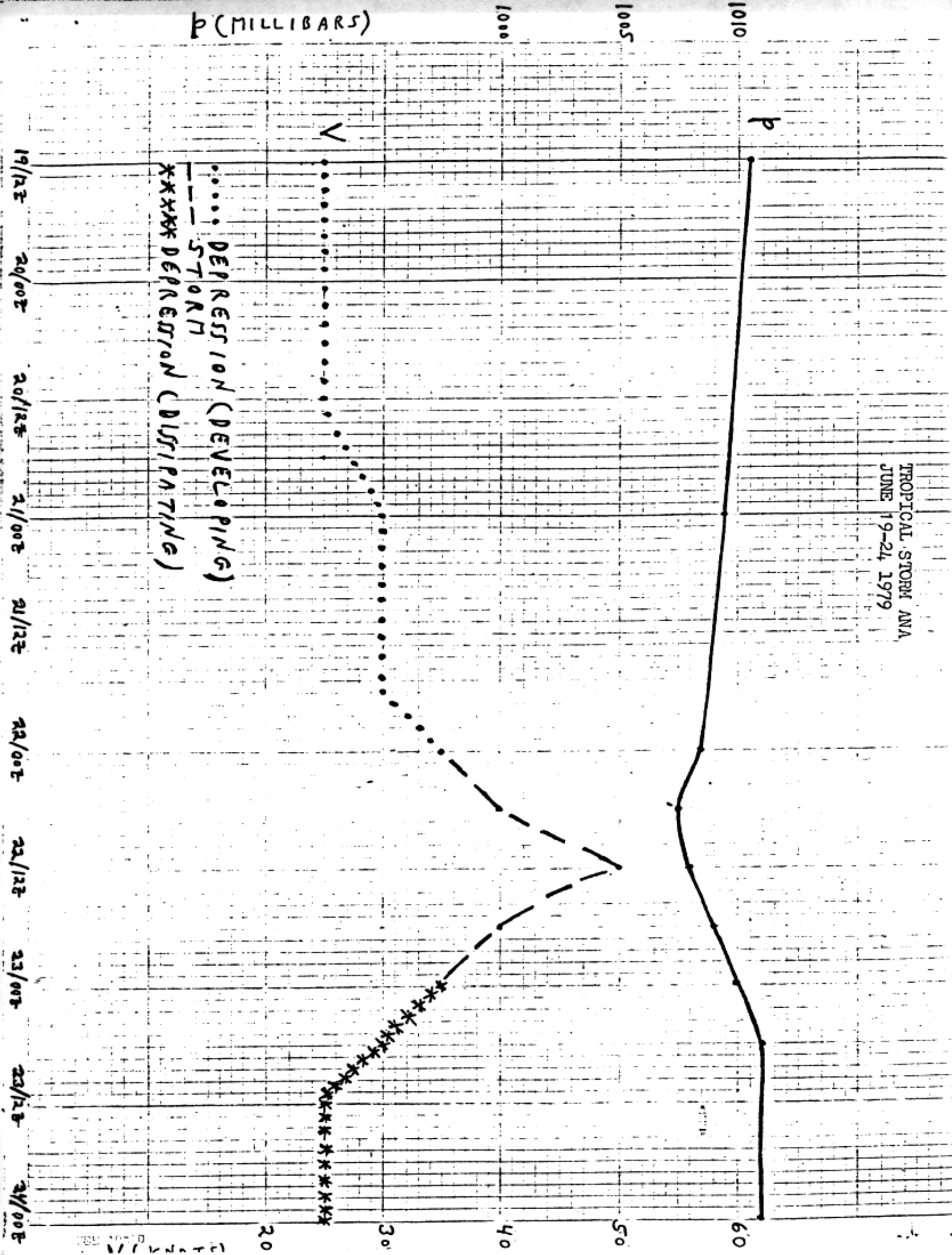
PRELIMINARY BEST TRACK

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DATE	TIME (GMT)	POSITION		WIND MAX. (KT)	PRESSURE (MIN) (MB.)	STAGE	
		LATITUDE	LONGITUDE				
19	1200	10.0	45.0	25	1011	DEPRESSION	
	1800	10.2	46.0	25			
20	0000	10.5	47.0	25			
	0600	10.9	48.1	25			
	1200	11.3	49.2	25			
	1800	11.8	50.2	25			
	0000	12.3	51.1	30	1009		
21	0600	12.9	51.9	30			
	1200	13.5	52.7	30			
	1800	13.9	53.5	30			
	0000	14.2	54.7	35	1007		STORM
0600	14.2	55.8	40	1005			
1200	14.2	56.9	50	1006			
1800	14.1	58.3	40	1008			
22	0000	14.1	59.8	35	1010		
	0600	14.0	61.3	30	1012		DEPRESSION
	1200	14.0	62.8	25			
	1800	14.0	64.5	25			
23	0000	14.0	66.2	25			

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..... DEPRESSION (DEVELOPING)
 - - - - - STORM
 * * * * * DEPRESSION (DISSSIPATING)

p (MILLIBARS)

19/12Z 20/00Z 20/12Z 21/00Z 21/12Z 22/00Z 22/12Z 23/00Z 23/12Z 24/00Z

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19
20
21
22
23
24