

Table 1. 1986 Hurricane Season Statistics

no.	name	class. ¹	dates ²	maximum sustained wind (kt)	lowest press. (mb)	U.S. damage (\$millions)	deaths
1	Andrew	T	6/05-6/08	45	999		
2	Bonnie	H	6/23-6/28	75	990	2	3
3	Charley	H	8/13-8/20	70	987	15	5
4	Danielle	T	9/07-9/10	50			
5	Earl	H	9/10-9/18	90			
6	Frances	H	11/18-11/21	75			

- ¹ T: tropical storm, wind speed 34 - 63 kt.
H: hurricane, wind speed 64 kt or higher.
ST: subtropical storm, wind speed 34 - 63 kt

- ² Dates begin at 0000 UTC and are for tropical and subtropical cyclone stages.

2. 1986 official average track forecast errors (nautical miles)

	forecast period (hours)				
	0	12	24	48	72
STORM					
Andrew (no. of cases)	18 (7)	43 (7)	100 (5)	204 (1)	- (0)
Bonnie	5 (7)	33 (7)	79 (5)	144 (1)	- (0)
Charley	9 (15)	32 (15)	90 (13)	297 (9)	526 (5)
Danielle	19 (6)	35 (6)	51 (4)	- (0)	- (0)
	24 (29)	65 (29)	128 (27)	239 (23)	352 (19)
Frances	40 (9)	113 (9)	151 (7)	137 (3)	(0)
total	20 (73)	56 (73)	111 (61)	241 (37)	388 (24)
1986 range	0-93	0-182	41-287	43-543	102-578
1976-1985	19 (135)	60 (131)	122 (117)	251 (83)	374 (60)
1986 departure from 1976-1985(%)	-05	+07	+09	+04	-04

Table 3. 1986 average track forecast errors (nautical miles)

homogeneous model comparison
 adjusted for initial position errors
 Hurricane Frances not included
 provided by C.J. Neumann

model	forecast period (hours)			
	12	24	48	72
Official	36	92	275	444
CLIPER	42	104	237	363
NHC72	41	97	207	392
NHC73	38	103	242	419
NHC83	39	85	186	341
SANBAR	48	97	262	451
MFM	65	119	260	363
(no. of cases)	(23)	(19)	(9)	(6)

Table 4. Official maximum sustained wind speed forecast errors (knots)

	forecast period (hours)				
	0	12	24	48	72
1986					
mean error	-5.0	-5.8	-6.7	-9.6	-12.1
1986					
mean absolute error	6.9	8.9	12.5	15.3	20.0
1986					
standard error	8.1	11.4	15.5	15.8	18.7
1986					
(no. of cases)	(73)	(73)	(61)	(37)	(24)
1986					
maximum absolute error	25	45	50	55	55
1976-1985					
mean absolute error	5.7 (134)	8.9 (130)	12.5 (114)	16.8 (81)	19.2 (58)
1986 mean absolute error departure from 1976-1985(%)	-21	+01	0	+09	-04
Mean absolute error by storm					
Andrew	7.1	7.1	6.0	0.0	
(no. of cases)	(7)	(7)	(5)	(1)	(0)
Bonnie	2.9	3.6	18.0	25.0	-
	(7)	(7)	(5)	(1)	(0)
Charley	4.7	4.0	5.0	10.6	19.0
	(15)	(15)	(13)	(9)	(5)
Danielle	2.5	6.7	13.8	-	-
	(6)	(6)	(4)	(0)	(0)
Earl	9.5	11.6	14.4	17.8	20.3
	(29)	(29)	(27)	(23)	(19)
Frances	8.3	14.4	18.6	11.7	-
	(9)	(9)	(7)	(3)	(0)