

# 1991. Chronology

The 78 tropical cyclones and 6 tropical disturbances were recorded in the Word Ocean

## 1. Northwest Pacific Ocean — 29 TC

N	Number	Name	Lat	Long	Dates	Max Stage
1	9101	SHARON	5.0	151.0	03/05–03/15	STS
2	9102	TIM	4.0	158.0	03/19–03/27	T
3	9103	VANESS	8.2	128.2	04/23–04/29	STS
4	9104	WALT	7.5	151.3	05/06–05/17	T
5	9105	JUNYA	13.0	126.0	06/12–06/16	T
6	9106	ZEKE	12.5	121.5	07/10–07/14	T
7	9107	AMY	13.0	139.0	07/14–07/20	T
8	9108	BRENDAN	12.0	132.0	07/19–07/25	STS
9	9109	CAITLIN	12.0	136.5	07/23–07/31	T
10	9110	ELLIE	22.5	160.5	08/09–08/19	T
11	9111	FRED	16.8	123.8	08/11–08/18	T
12	9112	GLADYS	21.5	152.0	08/15–08/25	T
13	9113	NO NAME	28.0	138.0	08/26–08/30	TS
14	9114	HARRY	25.1	133.8	08/29–08/31	TS
15	9115	IVY	7.5	155.5	09/02–09/10	T
16	9116	JOEL	20.0	116.5	09/04–09/07	TS
17	9117	KINNA	14.0	141.0	09/10–09/14	T
18	9118	LUKE	15.0	141.0	09/14–09/20	STS
19	9119	MIREILLE	14.0	162.0	09/15–09/28	T
20	9120	NAT	20.3	120.3	09/16–10/02	T
21	9121	ORCHID	18.5	138.0	10/03–10/13	T
22	9122	PAT	14.2	159.5	10/05–10/13	T
23	9123	RUTH	11.0	143.0	10/21–10/30	T
24	9124	SETH	8.5	160.5	11/01–11/14	T
25	9125	THELMA	9.2	136.2	11/01–11/07	TS
26	9126	VERNE	13.0	155.8	11/06–11/12	STS
27	9127	WILDA	10.0	131.0	11/14–11/20	STS
28	9128	YURI	4.0	165.0	11/21–12/01	T
29	9129	ZELDA	6.9	173.1	11/28–12/03	STS

## 2. Northeast Pacific Ocean — 14 TC

N	Number	Name	Lat	Long	Dates	Max Stage
1	9101	ANDRES	10.3	-122.3	05/16–05/20	STS
2	9102	BLANCA	11.6	-107.5	06/16–06/22	STS
3	9103	CARLOS	12.1	-96.6	06/16–06/27	T
4	9104	DOLORES	14.0	-101.5	06/23–06/28	T
5	9105	ENRIQUE	10.1	-114.2	07/15–07/20	STS
6	9106	FEFA	12.5	-110.1	07/29–08/08	T
7	9107	CUILIERMO	13.1	-99.9	08/04–08/10	T
8	9108	HILDA	13.4	-102.5	08/08–08/14	STS
9	9109	IGNACIO	15.0	-101.0	09/16–09/18	STS
10	9110	SIMONA	10.2	-100.4	09/20–10/02	T
11	9111	KEVIN	12.2	-98.2	09/25–10/11	T
12	9112	LINDA	14.6	-108.3	10/03–10/11	T
13	9113	MARTY	13.0	-97.5	10/08–10/17	T
14	9114	NORA	10.8	-106.2	11/07–11/12	T

## 3. North Atlantic Ocean — 8 TC, 2 TD

N	Number	Name	Lat	Long	Dates	Max Stage
1	9101	ANA	35.8	-71.8	06/29-07/05	TS
2	9102	BOB	25.7	-75.4	08/16-08/29	T
3	91-1	-	14.6	-23.8	08/24-08/26	TD
4	91-2	-	10.4	-31.7	08/28-08/30	TD
5	9103	CLAUDETTE	27.0	-56.0	09/04-09/14	T
6	9104	DANNY	10.4	-26.5	09/07-09/11	TS
7	9105	ERIKA	25.2	-50.0	09/08-09/12	STS
8	9106	FABIAN	20.5	-83.0	10/15-10/17	TS
9	9107	GRACE	30.0	-66.0	10/25-10/29	T

No information about N 9108 is available.

## 4. North Indian Ocean — 3 TC, 4 TD

N	Number	Name	Lat	Long	Dates	Max Stage
1	9101	NO NAME	9.5	88.8	04/24-04/30	T
2	9102	NO NAME	14.0	89.5	05/31-06/03	TS
3	91-1	-	22.0	87.5	08/22-08/26	TD
4	91-2	-	15.5	83.5	09/21-09/22	TD
5	91-3	-	18.0	86.5	10/12-10/14	TD
6	91-4	NO NAME	10.5	82.0	10/28-10/29	TD
7	9103	NO NAME	11.5	87.0	11/11-11/15	TS

## 5. South Indian Ocean — 18 TC

N	Number	Name	Lat	Long	Dates	Max Stage
1	9101	ALISON	-11.0	82.0	01/12-01/18	T
2	9102	BELLA	-10.2	80.5	01/19-02/03	T
3	9103	CYNTAIA	-15.0	51.0	02/12-02/19	T
4	9104	NO NAME	-14.0	122.0	02/16-02/21	TS
5	9105	NO NAME	-15.5	121.5	02/21-02/25	TS
6	9106	DEBRA	-24.0	36.5	02/23-03/03	T
7	9107	ELMA	-13.5	87.0	02/27-03/04	STS
8	9108	FATIMA	-5.5	92.5	03/20-03/30	T
9	9109	ERROL	-10.0	99.0	03/25-03/30	T
10	9110	NO NAME	-17.0	51.5	03/30-04/02	TS
11	9111	MARIAN	-10.4	126.3	04/10-04/18	T
12	9112	FIFI	-12.0	101.0	04/16-04/21	STS
13	9113	GRITELLE	-11.0	73.0	06/08-06/14	STS
14	9114	NO NAME	-8.0	60.0	10/14-10/19	TS
15	9115	NO NAME	-10.3	69.8	11/22-11/28	TS
16	9116	NO NAME	-6.0	92.0	12/01-12/08	T
17	9117	ALEXANDRA	-11.4	76.5	12/20-12/24	T
18	9118	BRYNA	-12.0	62.0	12/30-01/09	STS

## 6. Southwest Pacific Ocean — 6 TC

N	Number	Name	Lat	Long	Dates	Max Stage
1	9101	KELVIN	-17.0	153.0	02/25-03/06	TS
2	9102	NO NAME	-17.0	157.0	03/05-03/09	TS
3	9103	LISA	-7.5	154.5	05/07-05/13	STS
4	9104	TIA	-8.5	168.0	11/15-11/20	T
5	9105	VAL	-8.0	-179.0	12/05-12/13	T
6	9106	WASA	-9.5	-159.5	12/04-12/12	T

# 1991. Evolution

## 1991. Northwest Pacific Ocean

1. TC = NWP9101      Name = SHARON      All Points = 29

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	03/05	0	5.0	151.0	1004	15	W	1
2	TS	03/05	12	5.0	150.0	1002	18	W	10
3	TS	03/06	0	5.7	149.0	1000	18	NW	3
4	TS	03/06	12	5.5	148.0	1000	21	W	8
5	TS	03/07	0	6.7	146.1	1000	18	NW	10
6	TS	03/07	6	6.9	145.4	996	21	WNW	10
7	TS	03/07	12	7.0	144.6	996	21	WNW	7
8	TS	03/08	0	7.0	144.1	992	23	W	6
9	TS	03/08	6	6.5	143.3	990	23	W	6
10	TS	03/08	12	6.3	142.4	990	23	W	6
11	STS	03/09	0	6.3	140.9	985	26	W	3
12	STS	03/09	12	6.3	140.3	985	26	W	6
13	STS	03/10	0	6.6	137.6	985	26	W	10
14	STS	03/10	6	6.9	136.9	985	26	W	10
15	STS	03/10	12	6.9	136.0	985	26	W	8
16	STS	03/11	0	6.9	133.4	988	26	W	12
17	STS	03/11	6	6.8	132.8	988	26	W	10
18	STS	03/11	12	7.0	132.4	985	26	W	10
19	STS	03/12	0	7.8	131.2	988	26	WNW	7
20	STS	03/12	6	8.1	130.0	985	26	WNW	8
21	STS	03/12	12	8.5	128.9	985	26	WNW	12
22	TS	03/13	0	9.8	126.0	998	23	WNW	12
23	TS	03/13	6	10.4	125.1	998	18	WNW	13
24	TS	03/13	12	10.5	123.5	1000	15	W	12
25	TD	03/14	0	10.5	122.0	1000	15	W	10
26	TD	03/14	6	10.6	121.5	1000	13	W	10
27	TD	03/14	12	10.6	118.0	1002	13	W	10
28	TD	03/15	0	10.5	115.0	1004	13	W	15
29	TD	03/15	6	10.5	112.0	1006	13	W	10

2. TC = NWP9102      Name = TIM      All Points = 19

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	03/19	12	4.0	158.0	1002	15	0	0
2	TD	03/20	0	4.0	158.0	1002	15	0	0
3	TD	03/20	12	5.0	157.5	1002	15	NW	3
4	TD	03/21	15	7.0	155.0	1002	15	WNW	10
5	TS	03/22	0	9.8	154.2	998	18	NW	10
6	TS	03/22	6	11.0	154.0	996	18	NW	12
7	TS	03/22	12	12.2	153.8	994	21	NW	12
8	STS	03/23	0	14.7	152.4	975	31	N	10
9	STS	03/23	12	15.9	152.4	975	31	N	10
10	T	03/24	0	17.4	153.3	975	33	NNE	10
11	T	03/24	6	18.6	153.8	970	33	NNE	10
12	T	03/24	12	19.2	155.0	970	33	NNE	10
13	STS	03/25	0	20.4	156.4	980	28	NNE	10
14	STS	03/25	6	20.9	157.3	985	26	NE	8
15	TS	03/25	12	20.8	157.6	990	21	NE	12
16	TS	03/26	0	21.6	157.5	998	18	N	1
17	TS	03/26	6	21.7	157.7	998	18	N	1

18 TS 03/26 12 21.7 157.8 998 18 0 0  
19 TD 03/27 0 22.0 158.0 1004 15 0 0

3. TC = NWP9103      Name = VANESS      All Points = 19

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	04/23	18	8.2	128.2	1004	15	W	10
2	TD	04/24	0	8.5	127.5	1004	15	WNW	12
3	TD	04/24	6	8.5	126.4	1004	15	WNW	12
4	TD	04/24	12	8.9	125.4	1002	15	WNW	12
5	TS	04/25	0	9.9	122.4	1004	18	NW	10
6	TS	04/25	6	10.5	121.5	1004	18	NW	12
7	TS	04/25	12	11.0	120.5	1004	18	WNW	12
8	TS	04/26	0	11.7	118.5	1002	18	W	12
9	STS	04/26	6	11.8	116.5	998	26	W	13
10	TS	04/26	12	12.3	115.5	996	21	NW	13
11	TS	04/27	0	12.8	113.1	992	23	W	11
12	TS	04/27	6	13.0	112.3	990	23	W	10
13	TS	04/27	12	13.4	111.3	990	23	WNW	10
14	TS	04/27	18	14.0	110.5	995	21	WNW	10
15	TS	04/28	0	15.0	111.0	995	23	WNW	10
16	TS	04/28	6	16.0	109.3	990	23	W	10
17	TS	04/28	12	18.0	108.0	1006	18	NW	10
18	TS	04/29	0	18.0	107.0	1006	18	W	5
19	TD	04/29	6	18.6	106.5	1008	15	W	3

4. TC = NWP9104      Name = WALT      All Points = 33

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	05/06	6	7.5	151.3	1004	15	W	1
2	TD	05/06	12	8.0	151.5	1004	15	W	1
3	TS	05/07	0	8.5	150.5	1000	21	NW	1
4	TS	05/07	6	8.4	150.2	998	21	WNW	1
5	TS	05/07	12	8.7	149.4	996	18	WNW	6
6	TS	05/08	0	9.0	148.6	990	23	WNW	6
7	STS	05/08	12	9.7	147.2	985	26	WNW	7
8	T	05/09	0	10.5	146.0	970	33	WNW	8
9	T	05/09	6	11.0	145.1	965	33	WNW	10
10	T	05/09	12	11.2	144.2	960	41	WNW	10
11	T	05/09	18	11.4	143.4	955	41	NW	15
12	T	05/10	0	11.7	142.1	935	46	WNW	10
13	T	05/10	6	12.1	140.9	925	49	WNW	12
14	T	05/10	12	12.4	139.7	925	49	WNW	11
15	T	05/11	0	13.2	136.9	935	46	NW	12
16	T	05/11	12	13.7	134.1	935	46	WNW	12
17	T	05/12	0	14.4	131.6	920	51	WNW	12
18	T	05/12	6	14.8	130.6	915	51	WNW	11
19	T	05/12	12	15.3	129.6	910	57	WNW	11
20	T	05/13	0	15.7	127.8	915	51	WNW	11
21	T	05/13	6	16.3	127.1	915	51	WNW	7
22	T	05/13	12	16.0	126.4	920	51	WNW	7
23	STS	05/13	18	17.2	125.8	920	31	NW	7
24	T	05/14	0	17.7	125.5	935	46	NW	7
25	T	05/14	6	18.2	125.0	935	46	NNW	7
26	T	05/14	12	18.0	124.7	940	44	NNW	7
27	T	05/15	0	20.5	124.6	950	41	N	7
28	T	05/15	6	21.3	124.4	955	41	NNE	8
29	T	05/15	12	22.3	126.0	960	38	NE	15
30	STS	05/16	0	24.3	128.3	975	31	ENE	16
31	STS	05/16	12	26.4	133.9	985	26	NE	25
32	STS	05/17	0	30.0	141.8	985	26	ENE	40
33	L	05/17	12	36.0	152.3	985	26	ENE	40













11	STS	12/02	0	17.4	157.4	980	28	NNE	13
12	STS	12/02	6	18.0	158.6	985	28	NE	18
13	STS	12/02	12	18.6	159.4	985	26	ENE	14
14	TS	12/03	0	20.2	162.9	990	23	ENE	15
15	TS	12/03	6	20.6	163.5	994	21	ENE	11
16	TD	12/03	18	21.5	164.5	998	15	ENE	15

2	TS	06/17	3	12.9	-98.2	1005	18	WNW	10
3	TS	06/17	9	12.8	-99.6	1005	18	WNW	11
4	TS	06/17	15	12.5	-101.1	1002	21	W	12
5	STS	06/17	21	12.9	-101.8	997	26	W	12
6	STS	06/18	3	13.1	-103.0	994	28	W	10
7	STS	06/18	9	13.2	-104.4	994	28	W	10
8	STS	06/18	15	13.3	-105.6	991	31	W	10
9	STS	06/18	21	13.6	-105.7	991	31	W	10
10	T	06/19	3	14.2	-106.5	987	33	WNW	10
11	T	06/19	9	14.1	-107.3	987	33	WNW	10
12	T	06/19	15	14.2	-107.7	987	33	WNW	6
13	T	06/19	21	14.3	-108.3	987	33	WNW	6
14	T	06/20	3	14.3	-108.9	987	33	WNW	6
15	T	06/20	9	14.1	-109.9	987	33	W	6
16	T	06/20	15	14.1	-110.7	987	33	W	7
17	STS	06/20	21	13.8	-111.6	991	31	W	7
18	STS	06/21	3	13.4	-112.1	991	31	SW	1
19	STS	06/21	9	13.2	-112.7	991	31	WSW	7
20	STS	06/21	15	12.7	-113.7	994	28	WSW	8
21	T	06/21	21	12.4	-114.5	987	33	WSW	8
22	T	06/22	3	12.5	-115.4	980	38	W	7
23	T	06/22	9	12.6	-116.7	977	41	W	10
24	T	06/22	15	12.4	-117.6	970	46	W	10
25	T	06/22	21	12.7	-119.0	961	51	W	12
26	T	06/23	3	13.3	-120.7	961	51	WNW	13
27	T	06/23	9	13.5	-122.3	961	51	NW	15
28	T	06/23	15	14.0	-123.9	961	51	WNW	15
29	T	06/23	21	14.4	-125.2	961	51	WNW	15
30	T	06/24	3	15.0	-126.5	961	51	WNW	15
31	T	06/24	9	15.5	-127.6	961	51	WNW	15
32	T	06/24	15	16.0	-128.7	961	51	WNW	13
33	T	06/24	21	16.3	-129.6	961	51	WNW	10
34	T	06/25	3	16.5	-130.4	961	51	WNW	8
35	T	06/25	9	16.7	-131.1	965	49	WNW	8
36	T	06/25	15	16.8	-131.6	974	44	WNW	6
37	T	06/25	21	17.0	-131.7	983	36	W	4
38	T	06/26	3	16.6	-132.2	987	33	W	5
39	STS	06/26	9	16.6	-133.0	994	28	W	4
40	TS	06/26	15	16.6	-133.3	1000	23	W	4
41	TS	06/26	21	16.7	-134.0	1005	18	W	4
42	TD	06/27	3	16.9	-135.1	1009	15	W	4
43	TD	06/27	9	16.8	-135.3	1010	13	W	1
44	L	06/27	15	16.7	-135.7	1012	10	W	1
45	L	06/27	21	16.5	-136.4	1014	10	SW	4

1991. Northeast Pacific Ocean

1. TC = NEP9101 Name = ANDRES All Points = 15

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	05/16	21	10.3	-122.3	1010	13	N	3
2	TS	05/17	3	11.1	-122.4	1009	18	N	5
3	TS	05/17	9	11.0	-122.3	1009	18	0	0
4	STS	05/17	12	11.0	-123.0	991	31	0	0
5	STS	05/17	15	10.8	-122.4	991	31	W	3
6	STS	05/17	21	10.5	-123.1	991	31	W	2
7	STS	05/18	3	10.3	-123.6	991	31	W	4
8	STS	05/18	9	10.0	-124.0	994	28	W	3
9	STS	05/18	15	10.0	-124.2	994	28	W	3
10	STS	05/18	21	10.2	-124.2	994	28	W	3
11	TS	05/19	3	10.5	-124.6	1002	21	W	3
12	TS	05/19	9	10.7	-124.0	1005	18	0	0
13	TD	05/19	15	10.6	-124.2	1009	15	0	0
14	TD	05/19	20	10.9	-122.3	1010	13	W	7
15	TD	05/20	3	11.0	-121.5	1012	13	W	5

2. TC = NEP9102 Name = BLANCA All Points = 24

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	06/16	12	11.6	-107.5	1009	15	WNW	7
2	TS	06/16	18	11.8	-107.8	1005	18	WNW	7
3	TD	06/16	21	12.1	-108.4	1009	15	WNW	10
4	TS	06/17	3	12.8	-109.4	1005	18	WNW	10
5	TS	06/17	9	12.4	-110.3	1002	21	WNW	9
6	TS	06/17	15	12.5	-112.0	1000	23	W	12
7	TS	06/17	21	13.1	-112.5	1002	21	WNW	10
8	TS	06/18	3	13.2	-112.8	1000	23	WNW	9
9	TS	06/18	9	13.7	-113.8	1000	23	WNW	9
10	TS	06/18	15	13.7	-114.8	1000	23	WNW	8
11	TS	06/18	21	14.0	-116.2	1000	23	WNW	9
12	TS	06/19	3	13.8	-117.0	1000	23	W	10
13	TS	06/19	9	13.5	-118.0	1000	23	W	10
14	STS	06/19	21	12.7	-121.3	991	31	W	9
15	STS	06/20	3	12.4	-122.3	997	26	W	9
16	STS	06/20	9	12.4	-124.3	997	26	W	12
17	TS	06/20	15	12.3	-126.1	1000	23	W	15
18	TS	06/20	18	13.5	-124.5	1002	21	W	10
19	TS	06/20	21	13.5	-125.0	1005	18	W	10
20	TD	06/21	3	13.8	-126.4	1009	15	W	10
21	TD	06/21	9	14.1	-127.5	1009	15	WNW	10
22	TD	06/21	15	14.1	-128.1	1009	15	WNW	9
23	TD	06/21	21	14.2	-129.8	1010	13	W	11
24	TD	06/22	3	14.5	-131.0	1012	13	W	11

3. TC = NEP9103 Name = CARLOS All Points = 45

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	06/16	21	12.1	-96.6	1009	15	NW	10

4. TC = NEP9104 Name = DOLORES All Points = 20

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	06/23	15	14.0	-101.5	1010	13	0	0
2	TS	06/23	21	15.0	-101.8	1005	18	NNW	4
3	TS	06/24	0	15.1	-101.7	1005	18	N	4
4	TS	06/24	9	15.0	-101.7	1000	23	0	0
5	STS	06/24	15	15.8	-102.5	997	26	NW	4
6	STS	06/24	21	16.8	-102.9	994	28	NNW	7
7	T	06/25	3	17.1	-104.5	987	33	WNW	12
8	T	06/25	9	17.6	-104.9	987	33	WNW	8
9	T	06/25	15	18.0	-105.9	983	36	WNW	7
10	T	06/25	21	18.3	-107.2	980	38	WNW	10
11	T	06/26	3	18.8	-108.3	980	38	WNW	12
12	T	06/26	9	19.4	-109.1	980	38	WNW	10
13	T	06/26	15	19.7	-110.4	987	33	WNW	11





51 T	10/08	15	19.1	-137.7	970	46	NW	8
52 T	10/08	21	19.7	-138.5	970	46	NW	8
53 T	10/09	3	20.0	-139.3	977	41	WNW	10
54 T	10/09	9	20.6	-140.0	983	36	NW	9
55 T	10/09	15	21.0	-141.0	987	33	WNW	10
56 STS	10/09	18	21.6	-141.8	991	31	WNW	10
57 STS	10/10	0	22.6	-142.7	997	26	NW	13
58 TS	10/10	6	23.2	-142.9	1000	23	NW	9
59 TS	10/10	12	23.8	-143.6	1000	23	NW	9
60 TS	10/10	18	24.2	-144.1	1000	23	NW	9
61 TS	10/11	0	24.6	-144.6	1005	18	NW	7
62 TD	10/11	9	24.6	-144.6	1009	15	0	0

12. TC = NEP9112 Name = LINDA All Points = 30

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	10/03	21	14.6	-108.3	1009	15	NW	7
2	TS	10/04	3	14.5	-109.3	1005	18	WNW	7
3	TS	10/04	9	14.9	-109.7	1005	18	NW	4
4	TS	10/04	15	15.1	-109.6	1000	23	NW	3
5	T	10/04	21	15.6	-109.1	987	33	NNE	4
6	T	10/05	3	16.0	-108.8	983	36	NNE	4
7	T	10/05	9	16.4	-108.8	977	41	N	4
8	T	10/05	15	16.6	-108.6	961	51	NNE	4
9	T	10/05	21	17.0	-108.4	956	54	N	4
10	T	10/06	3	17.6	-108.5	970	46	N	5
11	T	10/06	9	18.0	-108.6	970	46	N	5
12	T	10/06	15	18.4	-109.1	977	41	NW	6
13	T	10/07	3	18.8	-110.6	980	38	W	1
14	T	10/07	9	19.2	-111.0	983	36	WNW	7
15	STS	10/07	15	19.5	-112.1	994	28	WNW	8
16	STS	10/07	21	19.2	-113.2	994	28	W	8
17	STS	10/08	3	19.3	-114.5	997	26	W	10
18	TS	10/08	9	19.5	-115.5	1000	23	W	10
19	TS	10/08	15	19.8	-116.4	1000	23	WNW	9
20	TS	10/08	21	20.0	-117.3	1000	23	W	9
21	TS	10/09	3	20.2	-118.3	1002	21	W	10
22	TS	10/09	9	20.1	-118.7	1002	21	W	8
23	TS	10/09	15	20.3	-119.7	1005	18	W	6
24	TS	10/09	21	20.0	-120.0	1005	18	W	4
25	TS	10/10	0	19.8	-120.6	1005	18	W	5
26	TD	10/10	9	20.0	-121.0	1009	15	W	5
27	TD	10/10	15	20.0	-121.8	1010	13	W	5
28	TD	10/10	21	20.1	-122.5	1012	13	NW	5
29	TD	10/11	3	20.1	-123.0	1012	13	W	5
30	TD	10/11	9	20.2	-123.6	1012	13	W	5

13. TC = NEP9113 Name = MARTY All Points = 38

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	10/08	12	13.0	-97.5	1009	15	W	6
2	TD	10/08	15	13.6	-98.5	1009	15	W	7
3	TS	10/08	21	14.7	-99.7	1005	18	WNW	10
4	STS	10/09	3	15.2	-100.5	997	26	WNW	10
5	STS	10/09	9	15.5	-101.1	997	26	WNW	10
6	STS	10/09	15	15.6	-102.3	997	26	WNW	9
7	STS	10/09	21	16.0	-103.5	991	31	WNW	11
8	STS	10/10	3	16.1	-104.5	991	31	WNW	10
9	STS	10/10	9	16.5	-104.8	991	31	WNW	10
10	STS	10/10	15	16.6	-106.1	991	31	WNW	9
11	T	10/10	21	17.0	-107.0	983	36	WNW	7
12	T	10/11	3	17.2	-107.5	983	36	WNW	7

13 T	10/11	9	17.3	-108.3	983	36	WNW	7
14 T	10/11	15	17.5	-108.9	983	36	WNW	7
15 T	10/11	21	17.5	-109.0	983	36	WNW	5
16 T	10/12	3	17.8	-109.2	983	36	NW	4
17 T	10/12	9	18.0	-108.8	987	33	0	0
18 STS	10/12	21	18.5	-108.0	994	28	NNW	2
19 STS	10/13	3	19.0	-109.3	997	26	NNW	5
20 STS	10/13	9	19.4	-109.4	997	26	NNW	4
21 STS	10/13	15	19.4	-109.1	997	26	N	3
22 TS	10/13	21	19.5	-109.1	1000	23	0	0
23 TS	10/14	3	19.8	-109.2	1000	23	N	3
24 TS	10/14	9	19.7	-109.5	1000	23	WNW	2
25 TS	10/14	15	19.0	-110.9	1005	18	W	3
26 TS	10/14	21	18.3	-111.5	1005	18	WSW	5
27 TD	10/15	3	17.8	-112.2	1009	15	WSW	8
28 TD	10/15	9	17.4	-112.6	1009	15	WSW	7
29 TD	10/15	15	17.2	-113.5	1009	15	W	8
30 TD	10/15	21	17.2	-115.3	1009	15	W	11
31 TD	10/16	3	17.0	-115.3	1009	15	W	7
32 TD	10/16	9	16.7	-117.0	1009	15	W	10
33 TS	10/16	15	16.5	-117.7	1005	18	W	10
34 TD	10/16	21	17.0	-118.5	1009	15	W	13
35 TD	10/17	3	17.1	-120.9	1009	15	W	12
36 TD	10/17	9	17.3	-121.9	1009	15	W	12
37 TD	10/17	15	18.7	-122.3	1012	13	W	12
38 TD	10/17	21	20.1	-123.4	1012	13	NW	14

14. TC = NEP9114 Name = NORA All Points = 22

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	11/07	12	10.8	-106.2	1009	15	WNW	12
2	TS	11/07	15	11.3	-107.0	1005	18	WNW	12
3	TS	11/07	21	12.2	-107.7	1005	18	WNW	10
4	TS	11/08	3	12.4	-109.1	1005	18	WNW	11
5	STS	11/08	9	12.6	-109.9	997	26	W	10
6	STS	11/08	15	12.0	-110.8	997	26	W	10
7	STS	11/08	21	12.0	-111.4	994	28	W	9
8	STS	11/09	3	12.1	-112.0	994	28	W	7
9	T	11/09	9	12.5	-112.7	983	36	WNW	7
10	T	11/09	15	13.1	-113.1	980	38	NW	7
11	T	11/09	21	13.6	-113.5	970	46	NW	7
12	T	11/10	9	14.4	-113.5	970	46	N	4
13	T	11/10	15	14.7	-113.8	974	44	NNW	3
14	T	11/10	21	15.2	-114.4	980	38	N	5
15	STS	11/11	3	15.4	-114.4	991	31	N	2
16	TS	11/11	9	15.5	-113.9	1000	23	NNE	2
17	TS	11/11	15	15.6	-112.8	1005	18	ENE	9
18	TD	11/11	21	16.7	-111.4	1009	15	NE	17
19	TD	11/12	3	17.5	-110.8	1009	15	NE	13
20	TD	11/12	9	18.5	-110.0	1009	15	NE	13
21	TD	11/12	15	20.8	-109.2	1009	15	NNE	22
22	TD	11/12	21	22.5	-109.5	1012	13	NNE	20

1991. North Atlantic Ocean

1. TC = ATL9101 Name = ANA All Points = 9

Table with columns: N, Stage, Date, Time, Lat, Long, Pres, Wind, Shift, Vel. Rows 1-9.

2. TC = ATL9102 Name = BOB All Points = 18

Table with columns: N, Stage, Date, Time, Lat, Long, Pres, Wind, Shift, Vel. Rows 1-18.

3. TC = ATL91-1 Name = NO NAME All Points = 6

Table with columns: N, Stage, Date, Time, Lat, Long, Pres, Wind, Shift, Vel. Rows 1-6.

4. TC = ATL91-2 Name = NO NAME All Points = 8

Table with columns: N, Stage, Date, Time, Lat, Long, Pres, Wind, Shift, Vel. Rows 1-8.

5. TC = ATL9103 Name = CLAUDETTE All Points = 31

Table with columns: N, Stage, Date, Time, Lat, Long, Pres, Wind, Shift, Vel. Rows 1-2.

Table with columns: N, Stage, Date, Time, Lat, Long, Pres, Wind, Shift, Vel. Rows 3-31.

6. TC = ATL9104 Name = DANNY All Points = 19

Table with columns: N, Stage, Date, Time, Lat, Long, Pres, Wind, Shift, Vel. Rows 1-19.

7. TC = ATL9105 Name = ERIKA All Points = 14

Table with columns: N, Stage, Date, Time, Lat, Long, Pres, Wind, Shift, Vel. Rows 1-6.

7	STS	09/10	10	33.7	-46.8	997	26	NE	25
8	STS	09/10	16	35.2	-43.8	997	26	ENE	33
9	STS	09/10	22	36.5	-39.8	997	26	ENE	33
10	STS	09/11	4	37.1	-35.1	997	26	E	35
11	TS	09/11	10	37.2	-33.0	1000	23	E	30
12	TS	09/11	16	37.2	-29.9	1000	23	E	23
13	TS	09/11	22	37.3	-27.4	1002	21	E	18
14	L	09/12	4	37.5	-24.5	1005	18	E	21

8. TC = ATL9106 Name = FABIAN All Points = 8

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	10/15	0	20.5	-83.0	1009	15	NE	1
2	TS	10/15	16	20.7	-83.3	1005	18	NE	10
3	TS	10/15	22	21.8	-82.3	1002	21	NE	13
4	TS	10/16	4	23.1	-81.0	1002	21	NE	15
5	TS	10/16	10	24.8	-80.3	1002	21	NE	18
6	TS	10/16	16	26.4	-78.7	1002	21	NE	23
7	TS	10/16	19	26.1	-77.7	1005	18	NE	20
8	TD	10/16	22	26.3	-77.0	1009	15	NE	15

9. TC = ATL9107 Name = GRACE All Points = 12

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	10/27	0	30.0	-66.0	1009	15	N	1
2	STS	10/27	16	30.4	-66.6	997	26	N	10
3	STS	10/27	19	31.1	-67.2	988	31	N	10
4	T	10/27	22	31.5	-67.8	986	33	NNW	9
5	T	10/28	4	32.2	-68.4	986	33	NNW	9
6	T	10/28	10	32.5	-68.9	984	33	NW	8
7	T	10/28	16	32.7	-68.3	980	44	N	5
8	T	10/28	22	32.4	-67.5	984	33	E	5
9	T	10/29	4	31.7	-66.1	984	33	ESE	5
10	T	10/29	10	31.6	-64.2	984	33	E	14
11	T	10/29	16	31.6	-61.3	986	33	E	22
12	L	10/29	22	34.0	-57.0	988	31	NE	35

## 1991. North Indian Ocean

1. TC = NIN9101 Name = NO NAME All Points = 13

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	04/24	9	9.5	88.8	1000	15	N	1
2	TS	04/24	21	10.0	89.0	994	21	NE	5
3	STS	04/25	9	10.6	88.6	987	26	NW	5
4	STS	04/26	0	12.0	89.0	987	26	NNE	8
5	STS	04/26	8	11.3	87.1	980	31	SSW	7
6	STS	04/27	2	14.9	87.0	980	31	N	10
7	STS	04/27	8	13.9	86.8	980	31	SSW	7
8	T	04/28	8	16.0	87.7	954	46	NNE	10
9	T	04/28	20	18.0	89.0	954	46	NE	10
10	T	04/29	8	19.9	89.8	920	62	NNE	5
11	T	04/29	21	22.0	92.0	942	51	NNE	5
12	TS	04/30	0	22.5	92.3	991	23	NE	1
13	TD	04/30	8	23.0	92.5	1000	15	N	3

2. TC = NIN9102 Name = NO NAME All Points = 7

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	05/31	3	14.0	89.5	1000	15	NW	1
2	TD	05/31	12	16.0	88.0	1000	15	NNW	5

3	TS	06/01	3	18.0	87.0	994	21	N	8
4	TS	06/01	12	20.5	88.5	994	21	NE	10
5	TS	06/02	3	21.5	89.5	997	18	NE	5
6	TD	06/02	12	23.0	91.0	1000	15	NE	10
7	TD	06/03	3	24.5	91.5	1004	13	N	8

3. TC = NIN91-1 Name = NO NAME All Points = 3

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	09/21	3	15.5	83.5	1004	13	NW	1
2	TD	09/21	12	16.0	82.5	1004	13	NW	8
3	L	09/22	3	17.5	80.5	1008	10	NW	10

4. TC = NIN91-2 Name = NO NAME All Points = 8

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	08/22	3	22.0	87.5	1004	13	W	5
2	TD	08/22	12	23.0	85.5	1004	13	WNW	10
3	TD	08/23	3	23.5	82.0	1000	15	W	15
4	TD	08/23	12	24.0	80.0	1000	15	NW	10
5	TD	08/24	3	25.0	79.5	1000	15	N	8
6	L	08/25	3	26.5	78.0	1008	10	NNW	10
7	L	08/25	12	27.0	77.5	1008	10	NW	5
8	L	08/26	3	27.5	77.5	1008	10	N	1

5. TC = NIN91-3 Name = NO NAME All Points = 4

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	10/12	3	18.0	86.5	1004	13	NE	1
2	TD	10/13	3	20.5	88.0	1004	13	NE	8
3	L	10/13	12	21.5	88.5	1008	10	NE	8
4	L	10/14	3	22.5	89.0	1008	10	N	5

6. TC = NIN91-4 Name = NO NAME All Points = 4

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	L	10/28	3	10.5	82.0	1008	10	N	1
2	TD	10/28	12	11.0	81.0	1004	13	NW	5
3	TD	10/29	3	12.5	79.5	1004	13	NW	8
4	TD	10/29	12	13.0	79.0	1004	13	NW	3

7. TC = NIN9103 Name = NO NAME All Points = 9

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	L	11/11	3	11.5	87.0	1008	10	W	1
2	TD	11/12	3	11.5	86.5	1004	13	W	5
3	TD	11/12	12	11.5	85.5	1004	13	W	5
4	TD	11/13	3	11.5	83.5	1000	15	W	8
5	TS	11/13	12	11.5	82.5	997	18	W	8
6	TS	11/14	3	11.0	80.0	994	21	WSW	10
7	TD	11/14	12	11.0	80.0	1000	15	0	0
8	TD	11/15	3	12.0	78.5	1004	13	NW	10
9	L	11/15	12	12.5	78.0	1008	10	NW	5

## 1991. South Indian Ocean

1. TC = SIN9101 Name = ALISON All Points = 14

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	01/12	15	-11.0	82.0	1000	15	SE	1
2	TS	01/13	2	-11.5	82.5	994	21	SE	5
3	STS	01/13	9	-11.8	81.6	987	26	SW	5
4	STS	01/14	3	-12.1	81.1	987	26	SW	7

5	STS	01/14	12	-12.3	80.8	987	26	SW	5
6	STS	01/15	6	-13.2	80.3	987	26	S	7
7	STS	01/15	9	-13.8	81.0	987	26	SE	5
8	T	01/16	0	-16.8	81.5	972	35	S	10
9	STS	01/16	9	-18.3	82.0	984	28	S	8
10	STS	01/16	15	-19.3	82.4	987	26	SE	5
11	STS	01/17	3	-22.5	82.5	984	28	S	10
12	TS	01/17	9	-23.8	82.0	991	23	S	8
13	TS	01/18	6	-26.6	85.2	997	18	SE	10
14	TD	01/18	15	-27.0	85.5	1000	15	SE	1

2. TC = SIN9102 Name = BELLA All Points = 32

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	01/19	21	-10.2	80.5	1002	13	SE	3
2	TD	01/20	9	-10.6	81.8	1002	13	SE	5
3	TS	01/21	9	-12.7	80.3	994	21	SW	5
4	TS	01/22	3	-14.2	80.0	994	21	S	7
5	TS	01/22	21	-14.0	80.2	994	21	NE	1
6	TS	01/23	3	-13.7	79.2	991	23	W	10
7	TS	01/23	21	-14.5	76.8	994	21	WSW	8
8	TS	01/24	3	-14.8	75.8	997	18	W	5
9	TS	01/24	9	-15.0	74.2	994	21	SW	5
10	TS	01/25	3	-15.0	69.6	994	21	W	8
11	TS	01/25	9	-15.0	67.3	997	18	W	5
12	TS	01/26	3	-15.6	66.7	991	23	SW	5
13	TS	01/26	9	-16.1	66.3	991	23	S	7
14	STS	01/27	3	-17.0	65.3	984	28	SW	8
15	STS	01/27	9	-17.2	65.8	984	28	SW	3
16	STS	01/27	15	-17.3	65.3	987	26	W	1
17	T	01/28	3	-17.0	65.0	972	36	0	0
18	T	01/28	9	-17.3	65.0	972	36	0	0
19	T	01/29	3	-17.3	62.8	958	44	W	10
20	T	01/29	9	-17.6	62.0	958	44	SW	5
21	T	01/30	3	-17.9	61.0	954	46	W	7
22	T	01/30	9	-18.3	61.5	943	51	SE	5
23	T	01/31	3	-20.0	63.7	954	46	SE	7
24	T	01/31	9	-20.6	63.3	963	41	SW	5
25	T	01/31	21	-21.7	64.2	972	36	SE	5
26	STS	02/01	3	-22.7	63.7	980	31	SW	3
27	STS	02/01	9	-23.7	63.3	980	31	SW	7
28	STS	02/02	3	-25.8	62.1	984	28	SW	5
29	STS	02/02	9	-26.8	61.7	987	26	SW	7
30	TS	02/02	21	-29.3	61.2	994	21	SSW	10
31	TS	02/03	6	-31.2	60.0	997	18	SW	5
32	TD	02/03	21	-32.0	60.0	1000	15	S	7

3. TC = SIN9103 Name = CYNTAIA All Points = 10

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	02/12	0	-15.0	51.0	1000	15	SW	3
2	TS	02/12	12	-15.5	50.5	997	18	SW	5
3	TS	02/16	11	-17.5	41.5	994	21	SW	7
4	TS	02/16	15	-18.0	41.8	997	18	S	5
5	TS	02/16	21	-18.7	42.4	997	18	SE	5
6	STS	02/17	6	-19.2	43.6	980	31	SE	7
7	T	02/17	11	-20.0	44.3	976	33	SE	10
8	TS	02/18	3	-21.8	44.7	991	23	S	10
9	TS	02/18	9	-21.5	42.0	997	18	W	10
10	TD	02/19	12	-21.1	41.9	1002	13	SW	1

4. TC = SIN9104 Name = NO NAME All Points = 7

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	02/16	0	-14.0	122.0	1000	15	SW	5
2	TS	02/17	0	-15.0	121.0	994	21	SW	10
3	TS	02/18	3	-15.4	119.8	994	21	WSW	10
4	TS	02/19	3	-15.2	115.6	994	21	W	15
5	TS	02/20	3	-16.2	112.9	994	21	WSW	10
6	TS	02/21	0	-17.0	111.0	994	21	SW	8
7	TD	02/21	15	-18.0	110.0	1000	15	SW	5

5. TC = SIN9105 Name = NO NAME All Points = 8

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	02/21	0	-15.5	121.5	1000	15	S	3
2	TS	02/21	12	-16.0	121.0	994	21	SW	5
3	TS	02/22	0	-16.0	119.0	994	21	W	7
4	TS	02/22	12	-17.0	120.0	994	21	SE	10
5	TS	02/23	3	-19.9	116.2	997	18	SW	10
6	TS	02/24	3	-21.0	112.0	997	18	SW	10
7	TD	02/25	0	-20.0	112.0	1000	15	N	5
8	TD	02/25	12	-22.0	113.0	1000	15	SE	7

6. TC = SIN9106 Name = DEBRA All Points = 13

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	02/23	0	-24.0	36.5	1000	15	S	3
2	STS	02/24	0	-25.0	36.2	987	26	SW	5
3	T	02/25	0	-25.6	36.2	972	36	S	3
4	T	02/26	3	-25.5	37.2	972	36	ENE	7
5	T	02/26	9	-25.2	38.2	967	38	E	10
6	T	02/27	10	-24.0	39.2	976	33	NE	5
7	STS	02/27	22	-24.6	38.6	980	31	S	3
8	STS	02/28	9	-25.4	38.6	984	28	N	7
9	STS	02/28	21	-25.8	38.6	987	26	0	0
10	TS	03/01	9	-26.5	38.8	994	21	N	10
11	TS	03/02	3	-27.4	38.8	994	21	N	5
12	TS	03/02	23	-30.6	37.4	994	21	NW	5
13	L	03/03	23	-40.8	41.8	997	18	NNE	15

7. TC = SIN9107 Name = ELMA All Points = 10

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	02/27	0	-13.5	87.0	1000	15	SE	5
2	TS	02/27	9	-14.2	87.5	994	21	SE	5
3	STS	02/27	14	-15.1	88.8	987	26	SE	10
4	TS	02/28	0	-15.1	88.8	997	18	0	0
5	STS	02/28	9	-17.5	88.3	987	26	SSW	10
6	STS	02/28	21	-18.8	88.3	987	26	S	7
7	STS	03/01	9	-19.6	89.2	984	28	SE	7
8	STS	03/02	0	-22.0	90.5	987	26	SSE	8
9	STS	03/02	9	-22.1	90.1	980	31	E	3
10	TD	03/04	0	-25.0	95.0	1000	15	SE	10

8. TC = SIN9108 Name = FATIMA All Points = 25

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	03/20	0	-5.5	92.5	1000	15	S	1
2	TS	03/20	8	-6.0	92.0	997	18	SW	5
3	TD	03/20	20	-6.5	91.0	1000	15	SW	5
4	TD	03/22	0	-7.5	87.5	1000	15	W	7
5	TD	03/23	3	-7.5	87.5	1000	15	0	0
6	TS	03/23	9	-8.5	86.8	994	21	SW	8
7	STS	03/24	3	-8.9	85.4	980	31	SW	5
8	STS	03/24	9	-9.1	84.5	980	31	W	7

9	STS	03/24	21	-10.0	83.7	987	26	SW	5
10	STS	03/25	3	-10.4	82.9	987	26	SW	6
11	STS	03/25	9	-10.6	82.7	987	26	SW	1
12	STS	03/25	21	-11.5	81.5	987	26	SW	5
13	STS	03/26	0	-11.2	81.1	984	28	0	0
14	STS	03/26	21	-12.8	80.0	984	28	SW	7
15	T	03/27	3	-12.6	80.4	976	33	0	0
16	T	03/27	9	-12.9	80.1	976	33	0	0
17	T	03/28	3	-15.5	81.7	976	33	SSE	8
18	T	03/28	9	-16.3	82.3	976	33	SE	7
19	T	03/28	18	-17.1	82.3	976	33	S	5
20	T	03/29	0	-17.6	82.1	976	33	S	1
21	STS	03/29	6	-17.5	82.8	984	28	E	3
22	STS	03/29	9	-18.1	81.9	984	28	SE	10
23	STS	03/30	3	-18.5	80.3	987	26	W	5
24	TS	03/30	9	-19.6	79.9	991	23	S	5
25	TD	03/30	21	-20.5	79.0	1000	15	SW	5

9. TC = SIN9109      Name = ERROL      All Points = 8

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	03/25	0	-10.0	99.0	1000	15	SE	1
2	TS	03/25	3	-10.4	99.4	997	18	SE	5
3	T	03/26	3	-11.0	100.2	972	36	SE	5
4	T	03/27	3	-12.5	102.5	972	36	SE	10
5	T	03/28	3	-14.0	103.3	976	33	SSE	7
6	STS	03/29	0	-14.5	104.0	980	31	SE	7
7	TS	03/30	0	-15.0	95.0	991	23	W	10
8	TD	03/30	10	-15.5	94.7	1000	15	SW	5

10. TC = SIN9110      Name = NO NAME      All Points = 8

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	03/30	12	-17.0	51.5	1000	15	SW	1
2	TD	03/30	23	-17.5	51.2	1000	15	SW	5
3	TD	03/31	12	-16.9	50.7	1000	15	NW	5
4	TD	03/31	23	-16.9	50.8	1000	15	0	0
5	TS	04/01	12	-17.4	51.4	997	18	SE	5
6	TS	04/01	23	-18.2	51.6	994	21	S	7
7	TS	04/02	12	-17.7	49.5	994	21	NW	10
8	TD	04/02	23	-18.0	49.5	1000	15	S	1

11. TC = SIN9111      Name = MARIAN      All Points = 9

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	04/10	12	-10.4	126.3	1000	15	W	1
2	TD	04/11	0	-10.5	125.3	1000	15	W	5
3	STS	04/12	3	-12.1	122.7	980	31	SW	7
4	T	04/13	3	-13.9	120.1	958	44	SW	10
5	T	04/14	3	-14.0	119.5	958	44	W	5
6	T	04/15	3	-14.2	120.5	972	36	E	5
7	STS	04/16	3	-13.4	121.1	987	26	NE	5
8	TS	04/17	3	-15.0	115.0	994	21	SW	10
9	TD	04/18	3	-15.9	111.8	1000	15	WSW	10

12. TC = SIN9112      Name = FIFI      All Points = 8

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	04/16	0	-12.0	101.0	1000	15	SE	1
2	TS	04/16	3	-12.3	101.4	997	18	SE	3
3	STS	04/17	3	-12.6	101.4	980	31	S	3
4	STS	04/18	3	-15.8	101.6	980	31	S	10
5	STS	04/18	15	-19.0	103.0	987	26	SSE	8
6	STS	04/19	3	-19.9	103.8	987	26	SE	5

7	TS	04/20	3	-24.0	107.0	994	21	SE	10
8	TD	04/21	3	-31.0	111.0	1000	15	SE	10

13. TC = SIN9113      Name = GRITELLE      All Points = 9

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	06/08	9	-11.0	73.0	1000	15	W	5
2	TS	06/10	0	-10.3	68.4	994	21	WNW	5
3	STS	06/10	9	-11.0	68.5	984	28	S	1
4	TS	06/11	3	-11.5	67.0	991	23	WSW	5
5	TS	06/11	9	-11.6	66.5	991	23	WSW	5
6	TS	06/12	3	-12.3	67.5	991	23	SE	5
7	TS	06/13	6	-11.5	68.0	997	18	NE	3
8	TS	06/13	9	-11.7	68.0	997	18	0	0
9	TD	06/14	3	-12.2	68.0	1002	13	S	1

14. TC = SIN9114      Name = NO NAME      All Points = 9

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	10/14	3	-8.0	60.0	1000	15	W	1
2	TS	10/14	11	-8.1	59.6	997	18	W	1
3	TS	10/17	3	-11.0	54.2	997	18	SW	5
4	TS	10/17	9	-11.2	53.8	994	21	SW	1
5	TS	10/17	21	-11.1	52.6	997	18	W	5
6	TS	10/18	3	-10.8	51.7	994	21	W	5
7	TS	10/18	9	-10.8	51.3	994	21	0	0
8	TS	10/19	3	-10.8	50.3	997	18	W	5
9	TD	10/19	12	-11.0	50.0	1000	15	W	1

15. TC = SIN9115      Name = NO NAME      All Points = 13

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	11/22	3	-10.3	69.8	1000	15	SE	1
2	TS	11/22	9	-11.3	70.2	994	21	S	10
3	TS	11/23	0	-13.0	70.8	994	21	SE	7
4	TS	11/23	9	-13.7	71.0	994	21	S	5
5	TS	11/24	3	-15.4	72.1	997	18	SE	7
6	TS	11/24	9	-16.1	72.4	994	21	S	5
7	TS	11/25	3	-16.5	70.3	994	21	WSW	7
8	TS	11/25	9	-16.2	69.7	997	18	W	5
9	TD	11/26	3	-16.5	67.2	1000	15	W	7
10	TS	11/26	9	-16.8	66.1	997	18	W	10
11	TD	11/27	3	-17.1	62.7	1000	15	W	13
12	TD	11/27	9	-17.2	61.9	1002	13	W	5
13	TD	11/28	3	-16.8	57.6	1002	13	WNW	10

16. TC = SIN9116      Name = NO NAME      All Points = 8

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	12/01	15	-6.0	92.0	1000	15	S	1
2	TS	12/02	0	-6.4	92.9	997	18	SE	5
3	TS	12/03	9	-7.3	92.7	997	18	S	5
4	TS	12/04	9	-8.4	93.2	994	21	SE	7
5	STS	12/05	9	-10.0	95.5	987	26	SE	10
6	T	12/06	9	-12.1	98.6	972	36	SE	10
7	STS	10/07	9	-13.0	101.1	987	26	ESE	10
8	TD	12/08	9	-13.4	103.1	1002	13	E	10

17. TC = SIN9117      Name = ALEXANDRA      All Points = 9

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	12/20	3	-11.4	76.5	1000	15	SE	1
2	TD	12/20	9	-12.2	77.3	1000	15	SE	5
3	T	12/21	3	-14.9	76.9	976	33	SSW	7
4	TS	12/22	3	-16.4	74.3	991	23	SW	8



5	TS	12/23	3	-16.7	79.4	991	23	E	10
6	TS	12/23	9	-17.0	79.0	991	23	0	0
7	TS	12/24	3	-16.5	77.3	997	18	WNW	5
8	TS	12/24	9	-16.6	77.0	997	18	0	0
9	TD	12/24	15	-15.0	76.5	1000	15	SW	1

18. TC = SIN9118 . TC Name = BRYNA All Points = 13

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	12/30	0	-12.0	62.0	1000	15	S	1
2	TS	12/30	12	-12.7	61.6	997	18	SW	5
3	TS	12/31	3	-13.3	58.5	991	23	SW	7
4	TS	01/01	3	-15.1	54.6	991	23	SW	8
5	TS	01/01	9	-15.3	54.0	991	23	W	1
6	STS	01/02	3	-15.3	51.0	987	26	W	7
7	TS	01/02	9	-15.4	50.0	991	23	W	7
8	TS	01/03	3	-15.4	47.5	997	18	W	8
9	TD	01/03	9	-15.4	46.4	1002	13	W	1
10	TD	01/04	3	-16.8	45.4	1000	15	SW	5
11	TD	01/05	3	-19.9	45.6	1000	15	S	7
12	TS	01/08	3	-26.4	54.0	991	23	SE	10
13	TD	01/09	3	-27.9	58.8	1002	13	ESE	10

6	STS	05/09	18	-14.3	155.2	987	26	SE	10
7	STS	05/10	3	-15.4	156.2	980	31	SE	8
8	STS	05/10	18	-16.7	158.3	980	31	SE	12
9	STS	05/11	3	-17.5	160.1	980	31	SE	10
10	TS	05/12	3	-19.0	164.0	994	21	SE	12
11	TS	05/12	6	-18.5	165.0	994	21	E	10
12	TS	05/13	3	-23.0	173.0	997	18	SE	17
13	TD	05/13	15	-24.0	174.0	1000	15	SE	10

4. TC = SWP9104 Name = TIA All Points = 13

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	11/15	0	-8.5	168.0	1000	15	S	3
2	TS	11/15	3	-9.0	167.5	994	21	SW	5
3	TS	11/16	3	-9.0	169.3	994	21	E	8
4	T	11/17	6	-9.5	170.2	972	36	SE	7
5	T	11/17	12	-10.0	170.0	972	36	S	5
6	T	11/17	18	-11.5	169.5	967	38	S	5
7	T	11/18	0	-12.2	169.2	972	36	S	7
8	T	11/18	6	-13.4	169.0	972	36	S	7
9	T	11/18	12	-14.0	169.0	972	36	S	5
10	STS	11/19	3	-17.6	170.0	987	26	SSE	10
11	STS	11/19	12	-18.0	171.4	984	28	ESE	8
12	TS	11/20	3	-18.0	172.0	994	21	E	5
13	TD	11/20	15	-19.0	173.0	1000	15	SE	5

5. TC = SWP9105 Name = VAL All Points = 16

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	12/05	0	-8.0	-179.0	1000	15	SE	3
2	TS	12/05	6	-8.5	-178.0	994	21	SE	5
3	STS	12/06	0	-9.0	-176.0	987	26	SE	7
4	STS	12/06	18	-11.5	-174.5	980	31	SE	7
5	T	12/07	6	-12.4	-172.8	954	46	SE	10
6	T	12/08	6	-13.8	-172.8	958	44	S	8
7	T	12/08	12	-13.8	-172.8	958	44	0	0
8	T	12/08	18	-14.4	-172.5	933	57	S	5
9	T	12/09	0	-14.2	-172.3	954	46	0	0
10	T	12/09	12	-14.2	-171.7	954	46	E	7
11	T	12/09	18	-14.3	-171.2	954	46	E	7
12	T	12/11	18	-18.4	-165.2	972	36	SE	13
13	T	12/12	6	-22.0	-164.0	976	33	SSE	15
14	STS	12/12	12	-24.0	-163.0	980	31	SE	10
15	STS	12/12	19	-26.5	-162.5	987	26	SSE	10
16	TD	12/13	3	-28.0	-161.0	1000	15	SE	8

6. TC = SWP9106 Name = WASA All Points = 12

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	12/04	18	-9.5	-159.5	1000	15	S	3
2	TS	12/06	0	-10.0	-159.0	994	21	SE	5
3	STS	12/06	18	-12.5	-158.0	980	31	SE	7
4	STS	12/07	6	-13.5	-158.0	984	28	S	8
5	T	12/08	6	-13.5	-159.0	948	49	W	5
6	T	12/09	6	-13.5	-159.0	958	44	0	0
7	T	12/09	18	-14.5	-156.5	958	44	ESE	10
8	T	12/10	6	-15.0	-154.5	954	46	ESE	10
9	T	12/11	18	-19.5	-151.5	972	36	SE	15
10	STS	12/12	6	-22.5	-149.5	980	31	SE	17
11	TS	12/12	12	-23.3	-148.9	997	18	SE	10
12	TD	12/12	19	-24.0	-148.0	1000	15	SE	7

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1. TC = SWP9101 Name = KELVIN All Points = 10

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	02/25	15	-17.0	153.0	1000	15	NW	1
2	TS	02/26	0	-16.0	152.0	994	21	NW	5
3	TS	02/27	0	-16.0	150.0	994	21	W	10
4	TD	02/28	0	-15.0	150.0	1000	15	N	10
5	TS	03/01	3	-15.1	149.8	997	18	0	0
6	TD	03/02	3	15.3	147.2	1000	15	W	12
7	TD	03/03	3	-15.2	149.9	1000	15	W	10
8	TS	03/04	3	-14.5	150.0	997	18	N	7
9	TD	03/05	3	-14.8	149.0	1000	15	W	8
10	TD	03/06	2	-13.5	149.0	1000	15	N	5

2. TC = SWP9102 Name = NO NAME All Points = 7

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	03/05	18	-17.0	157.0	1000	15	W	1
2	TD	03/06	0	-17.2	156.7	1000	15	SW	5
3	TS	03/06	18	-19.5	154.2	997	18	SW	12
4	TS	03/06	20	-17.2	156.7	997	18	NE	15
5	TS	03/07	2	-19.8	153.7	997	18	SW	15
6	TD	03/08	0	-19.0	154.0	1000	15	0	0
7	TD	03/09	0	-19.0	153.0	1000	15	W	1

3. TC = SWP9103 Name = LISA All Points = 13

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	05/07	3	-7.5	154.5	1000	15	SE	1
2	TD	05/07	18	-8.8	155.1	1000	15	SE	10
3	TS	05/08	3	-10.3	154.9	997	18	S	10
4	TS	05/08	18	-12.5	155.9	997	18	SE	12
5	STS	05/09	3	-12.9	153.8	987	26	WSW	10