

1993. Chronology

The 75 tropical cyclones and 4 tropical disturbances were recorded in the Word Ocean

1. Northwest Pacific Ocean — 28 TC, 1 TD

N	Number	Name	Lat	Long	Dates	Max Stage
1	9301	IRMA	5.2	161.7	03/11–03/17	STS
2	93-1	–	7.0	140.0	04/09–04/13	TD
3	9302	KORYN	7.9	143.8	06/21–06/28	T
4	9303	LEWIS	10.7	127.0	07/07–07/12	STS
5	9304	MARIAN	8.0	140.0	07/13–07/16	TS
6	9305	NATHAN	14.0	150.0	07/19–07/25	STS
7	9306	OFELIA	21.0	136.5	07/25–07/28	TS
8	9307	PERCY	22.0	131.1	07/27–07/30	STS
9	9308	ROBYN	8.9	150.9	08/02–08/11	T
10	9309	STEVE	13.8	150.0	08/06–08/12	STS
11	9310	TASHA	9.0	131.0	08/16–08/22	T
12	9311	VERNON	18.6	153.6	08/21–08/28	T
13	9312	WINONA	11.4	124.1	08/22–08/29	STS
14	9313	YANCY	19.6	135.5	08/29–09/04	T
15	9314	ZOLA	21.4	127.7	09/06–09/09	STS
16	9315	ABE	19.5	124.0	09/09–09/15	T
17	9316	BECKY	16.2	126.4	09/14–09/18	STS
18	9317	CECIL	14.0	149.0	09/22–09/28	T
19	9318	DOT	13.0	113.0	09/22–09/27	T
20	9319	ED	13.0	145.7	09/30–10/09	T
21	9320	FLO	16.0	130.0	10/01–10/08	T
22	9321	GENE	14.1	136.2	10/08–10/10	TS
23	9322	HATTIE	14.5	165.0	10/19–10/25	STS
24	9323	IRA	14.0	145.0	10/27–11/05	T
25	9324	JEANA	11.0	154.0	11/05–11/12	TS
26	9325	KYLE	9.0	134.0	11/18–11/24	T
27	9326	LOLA	6.0	147.0	12/01–12/09	T
28	9327	MANNY	7.0	156.0	12/03–12/12	T
29	9328	NELL	7.8	143.6	12/22–12/28	T

2. Northeast Pacific Ocean — 14 TC

N	Number	Name	Lat	Long	Dates	Max Stage
1	9301	ADRIAN	10.0	–114.9	06/11–06/19	T
2	9302	BEATRIS	13.0	–96.0	06/18–06/20	STS
3	9303	CALVIN	12.9	–98.7	07/04–07/07	T
4	9304	DORA	10.8	–112.0	07/14–07/21	T
5	9305	EUGENE	11.4	–113.4	07/15–07/24	T
6	9306	FERNANDA	13.3	–107.6	08/09–08/19	T
7	9307	KEONI	12.4	–144.2	08/09–08/28	T
8	9308	GREG	14.9	–102.9	08/15–08/28	T
9	9309	HILARY	13.1	–95.5	08/17–08/27	T
10	9310	IOVA	13.6	–96.5	08/29–09/04	T
11	9311	KENNETH	12.3	–108.1	09/06–09/17	T
12	9312	LIDIA	10.8	–95.5	09/08–09/13	T
13	9313	MAX	11.6	–116.6	10/01–10/04	TS
14	9314	NORMA	13.5	–111.8	10/02–10/05	TS

3. North Atlantic Ocean — 8 TC

N	Number	Name	Lat	Long	Dates	Max Stage
1	9301	ARLENE	21.0	-92.0	06/18-06/21	TS
2	9302	BRET	10.3	-40.9	08/04-08/11	STS
3	9303	CINDY	14.5	-60.6	08/14-08/17	TS
4	9304	DENNIS	13.3	-30.5	08/23-08/28	TS
5	9305	EMILY	20.0	-53.3	08/22-09/05	T
6	9306	FLOYD	27.0	-68.8	09/07-09/13	T
7	9307	GERT	10.7	-80.6	09/14-09/21	T
8	9308	HARVEY	27.2	-62.1	09/18-09/21	T

4. North Indian Ocean — 2 TC, 3 TD

N	Number	Name	Lat	Long	Dates	Max Stage
1	93-1	-	22.5	87.0	06/17-06/19	TD
2	93-2	-	7.0	78.0	11/08-11/10	TD
3	9301	NO NAME	13.5	67.5	11/12-11/15	STS
4	9302	NO NAME	7.5	88.5	12/01-12/04	STS
5	93-3	-	7.5	81.5	12/19-12/20	TD

5. South Indian Ocean — 13 TC

N	Number	Name	Lat	Long	Dates	Max Stage
1	9301	COLINA	-10.6	68.7	01/13-01/21	T
2	9302	DESSILIY	-15.0	40.0	01/18-01/23	TS
3	9303	EDVINA	-10.0	85.0	01/20-01/29	T
4	9304	LENA	-14.0	119.0	01/24-02/02	STS
5	9305	JONIY	-16.0	41.1	03/02-03/06	TS
6	9306	JOURDANNE	-14.4	84.3	04/03-04/10	T
7	9307	MONTY	-14.6	105.4	04/10-04/12	TS
8	9308	RONITA	-7.5	71.5	05/03-05/06	T
9	9309	ALEXINA	-8.6	80.3	11/09-11/14	TS
10	9310	BETTINA	-12.2	82.1	11/26-11/30	T
11	9311	SESILIJ	-13.0	82.0	12/12-12/21	T
12	9312	NAOMI	-12.0	121.0	12/15-12/18	T
13	9313	OSCAR	-12.0	130.0	12/28-01/05	TS

6. Southwest Pacific Ocean — 10 TC

N	Number	Name	Lat	Long	Dates	Max Stage
1	9301	LIN	-12.0	-174.0	01/31-02/04	T
2	9302	MIK	-16.0	-173.0	02/05-02/09	STS
3	9303	OLIVER	-14.0	149.0	02/04-02/13	T
4	9304	NO NAME	-19.5	-140.0	02/06-02/09	TS
5	9305	NUSHA	-13.0	-165.0	02/12-02/15	STS
6	9306	OLI	-15.0	176.0	02/16-02/18	TS
7	9307	POLLY	-15.0	157.0	02/25-03/03	T
8	9308	RODJER	-12.0	157.0	03/12-03/21	STS
9	9309	PREMA	-11.0	173.0	03/26-04/01	T
10	9310	REWA	-10.0	161.0	12/29-01/07	T

1993. Evolution

1993. Northwest Pacific Ocean

1. TC = NWP9301 Name = IRMA All Points = 23

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	03/11	18	5.2	161.7	1000	15	S	3
2	TD	03/12	0	4.0	163.0	1000	15	SE	10
3	TD	03/12	6	4.5	162.0	1000	15	WNW	10
4	TD	03/12	12	5.0	162.5	1000	15	NE	10
5	TD	03/12	18	5.0	161.0	1000	15	W	10
6	TD	03/13	0	6.5	159.0	1000	15	NW	10
7	TS	03/13	6	8.0	158.0	1000	18	WNW	15
8	TS	03/13	12	8.5	156.9	995	18	WNW	12
9	TS	03/14	0	10.8	154.6	990	23	WNW	15
10	TS	03/14	6	11.6	153.2	990	23	NW	10
11	TS	03/14	12	12.4	152.4	990	23	NW	10
12	TS	03/14	18	12.9	151.7	990	23	NW	10
13	TS	03/15	0	13.2	150.6	990	23	WNW	11
14	TS	03/15	6	13.6	149.9	990	23	WNW	12
15	TS	03/15	12	14.3	149.6	988	23	WNW	8
16	STS	03/15	18	15.3	149.8	985	26	N	10
17	STS	03/16	0	15.8	150.0	985	26	NNW	6
18	STS	03/16	6	16.8	150.5	985	26	NNE	10
19	STS	03/16	12	17.2	151.2	985	26	NE	8
20	TS	03/16	18	17.5	151.5	990	23	NE	3
21	TS	03/17	0	17.3	151.4	994	21	0	0
22	TS	03/17	6	17.7	151.5	998	18	NE	3
23	TD	03/17	12	17.8	152.0	1000	15	NE	3

2. TC = NWP93-1 Name = NO NAME All Points = 11

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	04/09	0	7.0	140.0	1010	13	NW	10
2	TD	04/09	12	8.0	139.0	1010	13	NW	10
3	TD	04/10	0	8.0	137.0	1008	13	W	10
4	TD	04/10	12	7.0	135.0	1008	15	SW	10
5	TD	04/11	0	7.0	134.0	1008	15	W	8
6	TD	04/11	12	7.0	133.0	1008	15	W	8
7	TD	04/12	0	7.0	131.0	1008	15	W	10
8	TD	04/12	12	7.0	130.0	1008	15	W	10
9	TD	04/13	0	7.0	128.0	1008	15	W	10
10	TD	04/13	6	7.0	126.0	1008	13	W	10
11	L	04/13	12	7.0	125.0	1012	10	W	10

3. TC = NWP9302 Name = KORYN All Points = 27

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	06/21	6	7.9	143.8	1006	15	SW	6
2	TS	06/21	12	7.2	142.8	1002	18	SW	10
3	TS	06/21	18	7.6	141.8	1000	18	NW	10
4	TS	06/22	0	9.7	140.1	996	18	NW	12
5	TS	06/22	6	10.5	139.4	994	23	NW	12
6	TS	06/22	12	10.6	138.0	992	21	W	12
7	STS	06/23	0	11.7	135.2	980	28	WNW	14
8	T	06/23	6	12.2	134.3	970	33	WNW	10
9	T	06/23	12	12.7	133.3	960	38	WNW	10

10	T	06/23	18	13.2	132.1	945	41	WNW	10
11	T	06/24	0	13.4	130.9	930	46	W	12
12	T	06/24	6	13.6	129.8	915	51	W	10
13	T	06/24	12	14.0	128.8	910	54	WNW	10
14	T	06/25	0	15.0	126.2	910	54	WNW	13
15	T	06/25	6	15.5	125.1	915	51	WNW	12
16	T	06/25	12	16.3	124.0	920	49	WNW	12
17	T	06/25	18	17.0	122.6	925	46	NW	15
18	T	06/26	0	17.2	121.1	940	44	W	14
19	T	06/26	6	17.8	120.0	950	41	NW	12
20	T	06/26	12	19.2	118.6	955	38	WNW	15
21	T	06/27	0	19.8	115.3	965	36	W	16
22	T	06/27	6	20.4	113.9	965	36	WNW	15
23	T	06/27	12	21.2	112.5	970	33	WNW	15
24	STS	06/27	18	21.9	111.2	975	31	WNW	14
25	TS	06/28	0	22.5	110.0	990	23	NNW	12
26	TS	06/28	6	22.6	109.6	996	18	W	6
27	TD	06/28	18	23.0	109.0	1000	15	NW	3

4. TC = NWP9303 Name = LEWIS All Points = 19

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	07/07	12	10.7	127.0	1008	15	NW	15
2	TD	07/07	18	11.1	126.1	1006	15	WNW	10
3	TS	07/08	0	11.8	125.1	1008	18	NW	11
4	TS	07/08	12	13.2	123.0	998	18	WNW	12
5	TS	07/08	18	13.5	122.1	998	18	WNW	10
6	TS	07/09	0	14.4	120.3	998	21	WNW	16
7	TS	07/09	6	15.6	118.3	996	21	WNW	20
8	TS	07/09	12	16.0	117.0	990	23	NW	15
9	TS	07/09	18	16.8	115.0	990	23	WNW	20
10	TS	07/10	0	17.5	113.8	990	23	WNW	12
11	STS	07/10	6	18.1	112.0	985	26	WNW	13
12	STS	07/10	12	18.5	110.7	975	31	W	13
13	STS	07/10	18	18.5	108.5	975	31	W	13
14	STS	07/11	0	18.6	108.1	980	26	W	13
15	STS	07/11	6	19.0	107.3	985	26	WNW	9
16	STS	07/11	12	19.0	106.8	985	26	W	3
17	STS	07/12	0	19.1	106.2	985	26	W	6
18	TS	07/12	6	19.4	104.5	992	21	W	14
19	TD	07/12	18	19.5	104.0	1000	15	W	4

5. TC = NWP9304 Name = MARIAN All Points = 15

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	07/13	0	8.0	140.0	1008	15	W	10
2	TD	07/13	6	8.0	138.0	1004	15	W	10
3	TD	07/13	12	8.0	138.0	1004	15	0	0
4	TD	07/13	18	8.0	136.0	1004	15	W	10
5	TD	07/14	0	9.0	134.0	1004	15	NW	10
6	TD	07/14	6	10.5	132.8	1002	15	NW	15
7	TD	07/14	12	11.0	132.2	1000	15	NW	8
8	TD	07/14	18	12.3	131.2	1000	15	NW	15
9	TD	07/15	0	13.3	130.0	1000	15	NW	15
10	TD	07/15	6	14.5	128.8	1002	15	NW	20
11	TD	07/15	12	11.0	132.2	1000	15	SE	20
12	TS	07/15	18	12.3	131.2	1000	18	NW	15
13	TS	07/16	0	14.5	128.2	1000	18	NW	15
14	TD	07/16	12	14.5	127.0	1004	15	W	8
15	TD	07/16	18	15.0	126.5	1006	13	NW	5

6. TC = NWP9305 Name = NATHAN All Points = 24

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	07/19	12	14.0	150.0	1006	15	NW	10
2	TD	07/19	18	14.2	149.7	1004	15	NNW	3
3	TS	07/20	0	14.8	148.0	1000	18	WNW	10
4	TS	07/20	6	15.5	147.0	992	23	WNW	13
5	TS	07/20	12	16.1	147.0	990	23	N	6
6	TS	07/20	18	16.7	146.8	990	23	N	6
7	TS	07/21	3	18.0	143.6	990	23	WNW	18
8	TS	07/21	6	18.4	142.9	990	23	WNW	16
9	TS	07/21	12	19.2	141.9	990	23	NW	12
10	TS	07/21	18	19.6	141.0	991	23	NW	10
11	TS	07/22	0	20.1	140.4	992	23	NNW	8
12	TS	07/22	6	21.1	141.0	992	23	NE	8
13	TS	07/22	12	21.8	140.9	992	23	N	7
14	TS	07/22	18	22.2	140.7	992	23	N	3
15	STS	07/23	3	22.4	140.6	985	28	0	0
16	STS	07/23	6	22.6	140.0	985	28	NW	3
17	STS	07/23	12	23.2	139.8	985	26	NNW	6
18	STS	07/23	18	24.4	139.5	980	28	N	12
19	STS	07/24	0	26.7	138.7	980	28	NNW	24
20	STS	07/24	6	29.5	137.7	980	28	NNW	29
21	STS	07/24	12	32.2	136.3	985	26	NNW	30
22	TS	07/24	18	34.1	134.7	990	23	NNW	24
23	L	07/25	0	34.9	133.2	998	18	NW	12
24	L	07/25	6	37.0	134.0	1002	15	NNW	20

7. TC = NWP9306 Name = OFELIA All Points = 11

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	07/25	12	21.0	136.5	1002	15	NNW	10
2	TS	07/25	18	21.9	135.4	1002	18	NW	14
3	TS	07/26	0	24.8	134.3	996	21	NW	20
4	TS	07/26	6	25.6	133.7	994	23	NW	10
5	TS	07/26	12	26.1	133.0	990	23	NW	8
6	TS	07/26	18	28.2	131.9	990	23	NNW	15
7	TS	07/27	0	30.7	131.2	990	23	N	24
8	TS	07/27	6	33.0	131.6	994	21	N	23
9	L	07/27	12	35.7	132.7	996	18	NNE	20
10	L	07/27	18	38.0	134.0	1004	15	NE	15
11	L	07/28	0	40.0	135.0	1006	15	NE	15

8. TC = NWP9307 Name = PERCY All Points = 13

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	07/27	12	22.0	131.1	1002	15	W	8
2	TD	07/27	18	22.0	129.8	1000	15	W	15
3	TD	07/28	0	23.1	129.4	998	15	NNW	10
4	TS	07/28	6	24.4	128.8	994	21	NNW	14
5	TS	07/28	12	25.0	128.2	990	23	NW	10
6	STS	07/28	18	26.3	128.4	980	28	N	12
7	STS	07/29	0	27.6	128.7	975	31	N	13
8	STS	07/29	6	29.4	128.8	975	31	N	18
9	STS	07/29	12	31.7	129.4	975	31	N	23
10	STS	07/29	18	34.7	130.5	980	28	NNE	28
11	L	07/30	0	37.1	132.9	985	26	NNE	34
12	L	07/30	6	39.2	134.2	990	23	NNE	28
13	L	07/30	12	41.0	136.0	995	15	NNE	28

9. TC = NWP9308 Name = ROBYN All Points = 39

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	08/02	0	8.9	150.9	1004	15	WNW	13

2	TS	08/02	6	9.6	149.2	1000	18	WNW	17
3	TS	08/02	12	9.7	147.2	996	21	W	19
4	TS	08/02	18	9.7	145.9	990	23	W	13
5	TS	08/03	0	9.8	144.8	990	23	W	10
6	TS	08/03	6	10.3	143.8	990	23	WNW	10
7	STS	08/03	12	10.5	142.1	985	26	W	16
8	STS	08/03	18	10.5	141.8	980	28	W	3
9	STS	08/04	0	10.5	141.2	975	31	W	5
10	STS	08/04	6	10.8	140.5	975	31	WNW	7
11	STS	08/04	12	10.7	140.3	975	31	W	3
12	STS	08/04	18	11.1	140.3	975	31	N	3
13	STS	08/05	0	12.4	140.3	975	31	N	9
14	STS	08/05	6	13.0	139.4	975	31	NW	11
15	T	08/05	12	14.2	139.1	970	33	NNW	12
16	T	08/05	18	15.1	138.5	965	36	NNW	10
17	T	08/05	21	15.6	138.0	965	36	NW	11
18	T	08/06	0	16.0	137.4	965	36	NW	13
19	T	08/06	6	16.5	136.4	965	36	WNW	11
20	T	08/06	12	17.4	135.5	960	38	WNW	13
21	T	08/07	0	19.4	133.5	950	41	WNW	15
22	T	08/07	6	20.0	132.5	945	44	WNW	11
23	T	08/07	12	20.8	131.9	945	44	NW	10
24	T	08/07	18	22.0	131.3	945	44	WNW	13
25	T	08/08	0	23.6	130.5	945	44	NNW	8
26	T	08/08	6	24.3	130.3	945	44	NNW	11
27	T	08/08	12	25.3	129.8	945	44	NNW	11
28	T	08/08	18	26.3	129.5	945	44	NNW	10
29	T	08/08	21	27.0	129.3	945	44	N	12
30	T	08/09	0	27.7	129.2	945	44	N	4
31	T	08/09	6	29.0	129.0	945	44	N	13
32	T	08/09	12	30.4	129.1	945	44	N	14
33	T	08/09	18	32.8	129.2	955	38	N	18
34	T	08/10	0	34.1	129.8	955	41	N	20
35	T	08/10	6	36.0	130.9	965	36	NNW	21
36	L	08/10	12	38.2	132.8	975	31	WNW	29
37	L	08/10	18	39.5	134.0	980	28	NW	14
38	L	08/11	0	40.0	135.0	985	26	N	10
39	L	08/11	6	41.0	137.1	992	21	NNE	19

10. TC = NWP9309 Name = STEVE All Points = 21

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	08/06	12	13.8	150.0	1006	15	NW	10
2	TD	08/07	0	15.0	148.0	1000	15	WNW	8
3	TD	08/07	12	15.0	147.5	1000	15	W	3
4	TS	08/08	0	15.6	145.7	998	18	W	9
5	TS	08/08	6	15.6	144.8	994	18	W	10
6	TS	08/08	12	15.8	144.0	992	23	W	8
7	TS	08/08	18	15.6	142.3	992	23	W	10
8	STS	08/09	0	15.7	142.0	985	26	0	0
9	STS	08/09	6	16.3	141.0	985	26	WNW	12
10	STS	08/09	12	16.4	140.0	985	26	W	10
11	STS	08/09	18	16.2	139.2	985	26	W	8
12	STS	08/10	0	16.5	138.2	985	26	W	8
13	STS	08/10	6	16.8	137.7	980	26	NW	5
14	STS	08/10	12	17.3	137.0	980	26	WNW	8
15	STS	08/10	18	17.4	136.2	980	28	W	8
16	STS	08/11	0	18.0	135.2	980	28	WNW	11
17	STS	08/11	6	18.8	134.9	985	26	WNW	9
18	TS	08/11	12	19.5	134.0	996	21	NW	11
19	TS	08/11	18	20.0	133.6	996	21	NW	8

20 TS 08/12 0 21.3 132.6 996 21 NNW 10
 21 TD 08/12 6 22.0 133.0 1000 15 NNW 10

11. TC = NWP9310 Name = TASHA All Points = 22

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	08/16	0	9.0	131.0	1008	15	NW	15
2	TD	08/16	18	11.0	129.0	1008	15	NW	10
3	TS	08/17	0	17.4	125.4	998	18	NW	20
4	TS	08/17	6	18.1	124.5	998	18	NW	12
5	TS	08/17	12	18.5	123.7	994	21	WNW	9
6	TS	08/18	0	19.1	122.0	990	21	WNW	8
7	TS	08/18	6	19.7	120.2	990	21	WNW	18
8	STS	08/18	12	20.2	118.9	985	26	WNW	13
9	STS	08/19	0	19.7	116.8	985	26	WSW	10
10	STS	08/19	6	19.5	116.0	980	28	W	8
11	STS	08/19	12	19.5	115.0	980	28	W	10
12	STS	08/19	18	19.5	114.6	980	28	0	0
13	STS	08/20	0	20.1	114.0	980	28	NW	3
14	STS	08/20	6	20.4	113.1	975	31	NW	10
15	T	08/20	12	20.9	112.5	970	33	WNW	8
16	T	08/20	18	21.3	111.8	970	33	WNW	8
17	T	08/21	0	22.0	111.0	970	33	NW	10
18	STS	08/21	6	22.0	110.2	980	28	W	8
19	STS	08/21	12	22.8	109.2	985	26	NW	12
20	TS	08/21	18	23.6	108.3	990	23	NW	12
21	TS	08/22	0	23.9	107.6	996	18	WNW	8
22	TD	08/22	6	24.0	107.0	1000	15	W	10

12. TC = NWP9311 Name = VERNON All Points = 28

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	08/21	12	18.6	153.6	1006	15	NNW	10
2	TD	08/21	18	19.0	153.3	1004	15	NNW	10
3	TD	08/22	0	19.0	153.2	1004	15	0	0
4	TS	08/22	6	19.7	152.9	1000	18	NNW	8
5	TS	08/22	12	19.9	152.9	996	18	0	0
6	TS	08/22	18	20.2	152.7	994	21	N	3
7	TS	08/23	0	20.6	152.0	994	21	WNW	8
8	TS	08/23	6	21.4	151.5	990	23	NW	9
9	STS	08/23	12	22.6	150.7	985	26	NW	12
10	STS	08/23	18	23.0	149.9	985	26	WNW	8
11	STS	08/24	0	23.5	149.1	980	28	WNW	10
12	STS	08/24	6	24.4	148.9	980	28	N	9
13	STS	08/24	12	25.0	148.5	980	28	NNW	7
14	STS	08/24	18	25.9	147.5	980	28	NNW	13
15	STS	08/25	0	26.9	146.6	980	28	NW	14
16	T	08/25	6	27.9	145.4	970	33	NW	15
17	T	08/25	12	28.6	143.8	965	36	NW	16
18	T	08/25	18	29.0	142.7	965	36	NW	12
19	T	08/26	0	29.7	141.7	965	36	NW	11
20	T	08/26	6	30.5	141.0	965	36	NW	10
21	T	08/26	12	31.4	140.9	970	33	N	9
22	T	08/26	18	33.2	140.6	970	33	N	12
23	STS	08/27	0	33.9	140.6	975	31	N	13
24	L	08/27	6	35.7	140.8	975	31	N	18
25	L	08/27	12	37.1	141.5	975	31	N	15
26	L	08/27	18	39.1	142.4	975	31	N	20
27	L	08/28	0	31.9	143.8	980	28	NNE	30
28	L	08/28	6	45.0	145.0	986	15	NNE	30

13. TC = NWP9312 Name = WINONA All Points = 28

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	08/22	12	11.4	124.1	1006	15	W	12
2	TD	08/22	18	11.5	121.5	1004	15	W	15
3	TD	08/23	0	11.6	120.6	1004	15	W	10
4	TD	08/23	6	12.1	119.8	1004	15	WNW	11
5	TS	08/23	12	12.0	119.3	1000	18	W	3
6	TS	08/23	18	12.3	117.9	997	18	WNW	14
7	TS	08/24	0	12.8	117.4	990	21	NW	9
8	TS	08/24	6	14.0	117.0	990	21	NNW	9
9	TS	08/24	12	15.0	116.4	990	21	NNW	11
10	STS	08/24	18	15.7	116.1	990	26	NNW	8
11	TS	08/25	0	16.2	115.9	990	21	NNW	6
12	TS	08/25	6	16.9	115.7	990	21	N	7
13	TS	08/25	12	17.3	115.7	990	21	N	3
14	TS	08/25	18	17.5	115.8	990	21	0	0
15	TS	08/26	0	17.6	115.8	992	21	0	0
16	TS	08/26	6	17.6	115.8	994	21	0	0
17	TS	08/26	12	18.0	115.7	994	21	0	0
18	TS	08/26	18	17.8	114.8	994	21	WSW	8
19	TS	08/27	0	17.8	114.8	994	21	0	0
20	TS	08/27	6	17.7	114.1	994	21	W	7
21	TS	08/27	12	17.6	113.5	994	21	W	6
22	TS	08/27	18	17.3	112.9	994	21	WSW	6
23	TS	08/28	0	17.2	112.1	996	21	W	8
24	TS	08/28	6	16.9	110.9	996	21	WSW	10
25	TS	08/28	12	16.7	109.0	994	21	W	15
26	TS	08/28	18	16.8	108.1	996	21	W	8
27	TS	08/29	0	17.2	107.7	998	18	W	6
28	TD	08/29	12	17.2	107.0	1000	15	W	2

14. TC = NWP9313 Name = YANCY All Points = 25

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	08/29	12	19.6	135.5	1004	15	W	16
2	TD	08/29	18	19.6	134.4	1000	15	W	11
3	TS	08/30	0	20.3	134.1	998	18	NW	7
4	TS	08/30	6	21.6	133.5	998	18	NW	7
5	TS	08/30	12	22.3	131.1	996	18	NNW	13
6	TS	08/30	18	22.4	130.5	996	18	W	14
7	TS	08/31	0	20.5	129.0	992	21	WSW	15
8	TS	08/31	6	20.2	127.9	990	23	W	11
9	STS	08/31	12	20.9	127.5	985	26	NW	5
10	STS	08/31	18	21.3	126.5	980	28	WNW	10
11	T	09/01	0	22.0	126.1	970	33	NNW	9
12	T	09/01	6	22.9	125.5	960	38	NNW	10
13	T	09/01	12	23.4	125.3	950	41	N	3
14	T	09/01	18	24.0	125.4	940	44	N	6
15	T	09/02	0	25.0	125.7	935	46	NNE	1
16	T	09/02	6	26.0	126.3	930	49	NNE	11
17	T	09/02	12	26.9	127.1	925	49	NE	12
18	T	09/02	18	28.1	128.0	925	49	NNE	14
19	T	09/03	0	29.5	129.1	925	49	NE	18
20	T	09/03	6	30.9	130.3	930	49	NE	17
21	T	09/03	12	32.8	131.8	945	41	NE	23
22	L	09/03	18	35.1	133.7	975	31	NNE	28
23	L	09/04	0	37.2	135.8	980	28	NE	21
24	L	09/04	9	39.3	136.7	985	26	NNE	22
25	L	09/04	12	41.0	137.0	990	21	NNE	22

15	T	10/04	0	19.2	133.6	945	44	NW	9
16	T	10/04	6	19.5	133.0	940	46	WNW	8
17	T	10/04	12	19.8	132.7	925	49	NW	3
18	T	10/04	18	20.3	132.5	920	51	NNW	3
19	T	10/05	0	20.9	132.7	915	51	NNE	7
20	T	10/05	6	21.6	132.8	915	51	N	6
21	T	10/05	12	22.2	133.1	925	49	NNE	7
22	T	10/05	18	22.9	133.4	940	44	NNE	8
23	T	10/06	0	23.8	134.1	950	41	NNE	11
24	T	10/06	6	24.8	134.7	950	41	NNE	11
25	T	10/06	12	25.6	135.7	950	41	NE	12
26	T	10/06	18	27.0	136.6	955	38	NNE	16
27	T	10/07	0	28.6	137.9	965	36	NNE	20
28	T	10/07	6	29.6	139.2	970	33	NE	18
29	STS	10/07	12	31.5	141.1	975	31	NNE	24
30	L	10/07	18	33.0	143.3	980	28	NE	24
31	L	10/08	0	34.8	146.2	985	26	NE	25
32	L	10/08	6	35.7	149.8	985	26	ENE	33
33	L	10/08	12	37.0	152.0	992	26	ENE	25
34	L	10/08	21	39.0	153.0	986	26	ENE	35
35	L	10/09	0	39.0	154.0	990	21	EWE	30

21. TC = NWP9320 Name = FLO All Points = 32

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	10/01	0	16.0	130.0	1004	15	W	3
2	TD	10/01	6	16.0	129.5	1002	15	W	3
3	TD	10/01	12	16.5	129.1	1000	15	NW	6
4	TD	10/01	18	16.7	127.7	1000	15	WNW	10
5	TS	10/02	0	16.1	127.0	996	18	NW	12
6	TS	10/02	6	16.7	126.7	990	23	WNW	5
7	TS	10/02	12	16.8	125.8	990	23	W	10
8	TS	10/02	18	16.8	125.6	990	23	0	0
9	TS	10/03	0	16.8	125.2	990	23	W	3
10	STS	10/03	6	17.1	124.8	985	26	W	3
11	STS	10/03	12	16.9	124.6	985	26	WSW	3
12	STS	10/03	18	16.8	123.7	980	28	W	9
13	T	10/04	0	16.7	122.8	970	33	W	9
14	T	10/04	6	16.5	122.0	970	33	WSW	8
15	STS	10/04	12	16.3	121.3	980	28	W	8
16	STS	10/04	18	16.4	120.3	985	26	W	10
17	STS	10/05	0	16.7	119.9	985	26	NW	3
18	STS	10/05	6	16.8	119.8	985	26	0	0
19	TS	10/05	12	16.0	120.3	990	23	0	0
20	TS	10/05	18	16.7	120.6	992	23	NNE	3
21	TS	10/06	0	18.2	121.7	992	23	NE	5
22	TS	10/06	6	19.2	122.5	992	23	NE	12
23	TS	10/06	12	19.9	123.7	990	23	NE	13
24	TS	10/06	18	20.3	124.9	990	23	ENE	12
25	TS	10/07	0	21.5	126.0	990	23	NE	15
26	TS	10/07	6	22.6	127.6	990	23	NE	18
27	TS	10/07	12	24.5	129.5	990	23	NNE	25
28	STS	10/07	18	26.4	130.6	985	26	NNE	22
29	STS	10/08	0	29.0	133.3	985	26	NE	35
30	STS	10/08	6	31.3	136.6	985	26	NE	37
31	L	10/08	12	33.8	140.6	980	28	ENE	41
32	L	10/08	21	36.0	146.0	980	15	ENE	45

22. TC = NWP9321 Name = GENE All Points = 8

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	10/08	6	14.1	136.2	1002	15	NW	12

2	TD	10/08	12	15.4	135.2	1000	15	NNW	16
3	TD	10/08	18	17.4	134.8	1000	15	NNW	18
4	TS	10/09	0	18.2	133.0	998	18	NW	18
5	TS	10/09	6	19.6	132.8	998	18	N	15
6	TS	10/09	12	21.0	133.2	998	18	N	15
7	TS	10/09	18	22.4	133.2	998	18	W	14
8	TD	10/10	0	24.0	132.0	1000	15	NW	13

23. TC = NWP9322 Name = HATTIE All Points = 23

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	10/19	12	14.5	165.0	1000	15	W	8
2	TD	10/19	18	14.7	164.0	1000	15	W	10
3	TD	10/20	0	13.3	158.8	1000	15	WSW	20
4	TD	10/20	6	13.8	158.5	1000	15	NW	5
5	TD	10/20	12	14.0	157.3	1000	15	W	11
6	TD	10/21	0	15.5	156.5	1000	15	NW	11
7	TD	10/21	6	16.6	156.2	998	15	N	12
8	TD	10/21	12	17.5	155.9	998	15	NNW	10
9	TD	10/21	18	15.6	153.7	998	15	SW	15
10	TD	10/22	0	17.1	155.5	996	15	SE	10
11	TS	10/22	6	18.8	155.5	994	18	N	15
12	TS	10/22	12	20.8	155.2	988	18	N	20
13	TS	10/22	18	22.2	154.2	988	18	NNW	16
14	TS	10/23	0	23.5	153.3	988	18	NNW	16
15	TS	10/23	6	24.1	152.9	988	18	NNW	8
16	TS	10/23	12	24.5	152.7	986	18	0	0
17	TS	10/23	18	25.1	154.5	985	18	ENE	5
18	TS	10/24	0	25.4	156.0	985	23	E	14
19	STS	10/24	6	26.6	157.3	985	26	NE	16
20	STS	10/24	12	28.5	158.4	985	26	NNE	21
21	STS	10/24	18	31.8	160.9	985	26	NNE	36
22	L	10/25	0	33.8	162.8	990	26	NE	27
23	L	10/25	6	35.8	166.2	990	23	ENE	37

24. TC = NWP9323 Name = IRA All Points = 34

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	10/27	12	14.0	145.0	1006	15	S	3
2	TD	10/27	18	12.0	144.5	1004	15	S	10
3	TD	10/28	0	12.5	143.0	1004	15	WNW	10
4	TS	10/28	6	12.8	141.4	1000	18	W	15
5	TS	10/28	12	13.4	139.0	996	18	WNW	20
6	TS	10/28	18	13.7	137.7	992	21	W	15
7	TS	10/29	0	13.2	136.0	990	23	WSW	16
8	TS	10/29	6	13.0	135.2	990	23	W	9
9	STS	10/29	12	13.4	133.7	980	28	WNW	14
10	STS	10/29	18	13.9	132.4	975	31	WNW	14
11	T	10/30	0	14.3	130.7	970	33	WNW	16
12	T	10/30	6	14.9	129.3	965	36	WNW	15
13	T	10/30	12	14.9	128.2	960	41	W	11
14	T	10/31	0	15.5	126.3	950	41	WNW	9
15	T	10/31	6	15.4	125.7	950	41	W	10
16	T	10/31	12	15.7	125.1	950	41	NW	7
17	T	10/31	18	15.9	124.5	950	41	WNW	8
18	T	11/01	0	16.0	123.8	950	41	W	6
19	T	11/01	6	16.1	122.3	955	38	W	14
20	STS	11/01	12	16.2	121.0	975	31	W	12
21	STS	11/01	18	16.2	119.2	980	28	W	11
22	STS	11/02	0	16.6	119.2	985	28	WNW	8
23	STS	11/02	6	17.2	118.1	985	28	WNW	12
24	STS	11/02	12	17.2	117.3	985	28	W	8

25	STS	11/02	18	17.6	115.8	990	26	W	14	15	TS	11/22	0	12.1	117.2	990	23	W	10
26	STS	11/03	0	17.8	115.3	990	26	WNW	8	16	STS	11/22	6	12.5	115.8	985	26	WNW	14
27	STS	11/03	6	18.2	114.8	990	26	NW	6	17	STS	11/22	12	12.7	114.3	980	28	W	14
28	STS	11/03	12	18.8	114.2	990	26	NW	8	18	T	11/22	18	13.0	112.8	970	33	W	16
29	STS	11/03	18	19.3	113.4	990	26	NW	9	19	T	11/23	0	12.9	111.7	960	38	W	11
30	TS	11/04	0	20.0	113.0	992	23	NNW	8	20	T	11/23	6	13.0	110.5	950	41	W	11
31	TS	11/04	6	20.5	112.2	992	23	NW	9	21	T	11/23	12	13.1	109.4	960	36	W	11
32	TS	11/04	12	21.1	111.8	996	21	NW	7	22	STS	11/23	18	13.2	108.4	970	31	W	10
33	TS	11/04	18	22.2	111.6	1000	18	NW	11	23	TS	11/24	0	13.4	106.3	990	21	W	18
34	JD	11/05	0	23.0	111.0	1008	15	NW	10	24	TD	11/24	12	13.8	106.0	1000	15	NW	8

25. TC = NWP9324 Name = JEANA All Points = 30

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	11/05	0	11.0	154.0	1006	13	W	3
2	TD	11/05	6	11.0	153.5	1004	13	W	3
3	TD	11/05	12	11.0	152.5	1004	15	W	10
4	TD	11/05	18	11.5	152.0	1004	15	NW	10
5	TD	11/06	0	12.1	151.0	1004	15	WNW	11
6	TD	11/06	6	11.2	150.0	1004	15	SW	10
7	TD	11/06	12	11.1	149.0	1004	15	W	10
8	TD	11/06	18	12.5	148.2	1004	15	NW	9
9	TD	11/07	0	13.0	146.7	1004	15	WNW	15
10	TD	11/07	6	13.5	144.8	1004	15	WNW	19
11	TD	11/07	12	13.6	143.4	1004	15	W	15
12	TD	11/07	18	13.6	143.0	1004	15	W	3
13	TD	11/08	0	14.3	142.0	1004	15	NW	10
14	TD	11/08	6	14.2	141.1	1004	15	W	10
15	TD	11/08	12	14.2	141.1	1004	15	0	0
16	TD	11/08	18	15.8	139.3	1002	15	NW	15
17	TS	11/09	0	17.7	136.6	998	18	NW	16
18	TS	11/09	6	18.1	136.0	996	21	NW	10
19	TS	11/09	12	18.7	135.9	996	21	N	6
20	TS	11/09	18	19.0	136.1	996	21	NNE	5
21	TS	11/10	0	19.3	136.0	996	21	N	3
22	TS	11/10	6	20.4	135.6	992	23	N	11
23	TS	11/10	12	21.5	135.8	992	23	N	11
24	TS	11/10	18	21.9	136.5	992	23	NE	8
25	TS	11/11	0	21.8	137.0	992	23	E	3
26	TS	11/11	6	21.9	138.1	992	23	E	10
27	TS	11/11	12	22.1	138.8	992	23	E	15
28	TS	11/11	18	22.0	140.2	994	21	E	3
29	TS	11/12	0	22.0	141.3	998	18	E	10
30	TD	11/12	6	23.0	141.0	1002	15	N	8

26. TC = NWP9325 Name = KYLE All Points = 24

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	11/18	12	9.0	134.0	1006	15	W	15
2	TD	11/18	18	9.0	132.0	1004	15	W	10
3	TD	11/19	0	9.0	130.0	1004	15	W	10
4	TD	11/19	6	10.5	129.5	1002	15	N	10
5	TD	11/19	12	10.7	128.5	1002	15	W	10
6	TS	11/19	18	11.0	127.6	1000	18	WNW	10
7	TS	11/20	0	11.2	126.7	998	18	W	10
8	TS	11/20	6	11.1	125.7	998	18	W	10
9	TS	11/20	12	11.0	124.3	998	18	W	14
10	TS	11/20	18	11.4	123.0	998	18	NW	13
11	TS	11/21	0	11.7	121.5	998	18	NW	15
12	TS	11/21	6	11.8	120.5	998	18	W	15
13	TS	11/21	12	11.9	119.4	996	21	W	12
14	TS	11/21	18	11.9	118.5	992	23	W	10

27. TC = NWP9326 Name = LOLA All Points = 31

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	12/01	0	6.0	147.0	1004	15	NW	10
2	TD	12/01	18	7.0	146.0	1004	15	NW	10
3	TD	12/02	0	8.5	143.0	1004	15	WNW	15
4	TD	12/02	18	10.5	138.8	1002	15	WNW	15
5	TS	12/03	0	11.2	136.0	1000	18	WNW	18
6	TS	12/03	6	11.7	133.5	992	23	WNW	23
7	STS	12/03	12	12.1	132.4	985	26	WNW	18
8	STS	12/03	18	12.7	130.9	985	26	WNW	15
9	STS	12/04	0	13.3	129.3	980	28	WNW	16
10	STS	12/04	6	13.9	128.0	975	31	WNW	14
11	T	12/04	12	14.4	126.4	970	33	WNW	15
12	T	12/04	18	14.1	125.8	960	38	W	11
13	T	12/05	0	14.4	124.9	960	38	W	9
14	T	12/05	6	14.4	123.8	955	41	W	10
15	T	12/05	12	14.0	123.1	955	41	WSW	7
16	T	12/05	18	13.8	122.2	965	36	W	8
17	STS	12/06	0	13.9	121.1	975	31	W	11
18	STS	12/06	6	13.6	120.2	980	28	W	9
19	STS	12/06	12	13.2	119.2	985	26	WSW	12
20	STS	12/06	18	12.7	118.0	985	26	SW	13
21	STS	12/07	0	12.2	117.9	980	28	SW	8
22	STS	12/07	6	12.1	117.1	980	28	WSW	8
23	STS	12/07	12	11.8	115.7	980	28	WSW	13
24	STS	12/07	18	11.7	115.0	980	28	W	6
25	STS	12/08	0	11.6	113.7	975	31	W	10
26	T	12/08	6	11.1	111.7	965	33	WSW	17
27	T	12/08	12	11.4	110.4	960	38	W	20
28	T	12/08	18	12.0	109.1	965	36	WNW	14
29	STS	12/09	0	13.0	108.0	980	31	NW	14
30	TS	12/09	6	13.2	106.3	1000	21	WNW	15
31	TD	12/09	18	14.0	105.0	1002	15	NW	10

28. TC = NWP9327 Name = MANNY All Points = 37

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	12/03	0	7.0	156.0	1006	15	NW	10
2	TD	12/03	6	8.0	155.0	1004	15	NW	10
3	TD	12/03	18	7.0	150.0	1004	15	WSW	20
4	TD	12/04	0	7.0	147.0	1004	15	W	20
5	TD	12/04	6	7.5	146.0	1002	15	NW	10
6	TD	12/04	12	8.0	144.0	1000	15	WNW	15
7	TD	12/04	18	7.5	143.1	1000	15	SW	10
8	TS	12/05	0	9.1	141.0	994	18	NW	12
9	TS	12/05	6	9.5	139.1	990	23	WNW	19
10	STS	12/05	12	10.0	137.5	985	26	WNW	16
11	STS	12/05	18	10.5	135.6	980	28	WNW	19
12	STS	12/06	0	11.1	133.3	980	28	WNW	21
13	STS	12/06	6	12.6	133.6	985	26	WNW	15

14	STS	12/06	12	13.4	132.5	985	26	NW	13
15	STS	12/06	18	14.0	131.1	980	28	NW	13
16	STS	12/07	0	14.7	130.6	980	28	NW	8
17	STS	12/07	6	15.7	130.0	980	28	NNW	10
18	STS	12/07	12	16.0	129.7	980	28	NNW	3
19	STS	12/07	18	16.6	129.7	975	31	N	6
20	STS	12/08	0	16.8	129.9	975	31	0	0
21	STS	12/08	6	16.4	130.0	975	31	0	0
22	STS	12/08	12	16.0	130.0	975	31	S	3
23	STS	12/08	18	15.4	129.5	975	31	WSW	10
24	T	12/09	0	14.6	128.6	970	33	WSW	10
25	T	12/09	6	13.5	127.6	960	38	WSW	12
26	T	12/09	12	13.4	126.4	950	41	WSW	12
27	T	12/09	18	13.0	125.0	950	41	WSW	13
28	T	12/10	0	12.6	124.0	965	36	WSW	10
29	STS	12/10	6	12.6	123.8	975	31	0	0
30	TS	12/10	12	12.7	122.1	990	23	W	10
31	TS	12/10	18	12.9	121.4	1000	18	W	8
32	TS	12/11	0	12.9	120.7	1000	18	W	6
33	TS	12/11	6	12.0	120.0	1000	18	WSW	8
34	TS	12/11	12	11.4	119.0	1000	18	WSW	11
35	TS	12/11	18	11.1	117.8	996	21	W	11
36	TS	12/12	0	11.0	117.3	996	21	W	6
37	TD	12/12	6	11.0	117.0	998	15	W	3

29. TC = NWP9328 Name = NELL All Points = 25

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	12/22	12	7.8	143.6	1004	15	W	5
2	TD	12/22	18	7.9	143.3	1004	15	W	8
3	TD	12/23	0	7.8	142.6	1002	15	W	7
4	TD	12/23	6	7.5	141.4	1000	15	W	11
5	TD	12/23	12	7.4	140.4	1000	15	W	9
6	TD	12/23	18	7.5	139.6	1000	15	W	8
7	TD	12/24	0	7.8	138.6	1000	15	W	10
8	TD	12/24	6	8.0	137.4	1000	15	W	10
9	TD	12/24	12	8.3	136.2	1000	15	WNW	12
10	TD	12/24	18	8.3	134.6	1000	15	W	15
11	TS	12/25	0	8.4	132.9	996	21	W	14
12	STS	12/25	6	8.6	131.3	985	26	W	14
13	STS	12/25	12	8.7	129.7	980	28	W	15
14	STS	12/25	18	8.9	127.1	980	28	W	14
15	STS	12/26	0	9.3	126.7	980	28	WNW	12
16	T	12/26	6	9.6	125.6	970	36	WNW	11
17	T	12/26	12	10.4	124.3	970	36	WNW	14
18	T	12/26	18	11.0	123.1	970	36	WNW	13
19	T	12/27	0	12.0	121.6	970	33	WNW	16
20	STS	12/27	6	12.5	120.5	980	31	WNW	13
21	STS	12/27	12	12.6	120.0	985	28	WNW	8
22	STS	12/27	18	12.7	119.5	985	28	WNW	8
23	STS	12/28	0	11.5	118.1	990	26	WSW	8
24	STS	12/28	6	11.3	117.1	992	26	WSW	10
25	TD	12/28	12	11.0	116.8	1000	15	WSW	8

1993. Northeast Pacific Ocean

1. TC = NEP9301 Name = ADRIAN All Points = 32

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	06/11	15	10.0	-114.9	1007	15	WNW	4
2	TS	06/12	3	10.1	-115.3	1005	18	WNW	2
3	TS	06/12	9	9.9	-115.4	1005	18	W	1
4	TS	06/12	15	9.6	-115.4	1005	18	0	0
5	TS	06/12	21	9.8	-115.3	1005	18	0	0
6	TS	06/13	3	10.2	-115.8	1000	23	NW	3
7	TS	06/13	9	10.2	-115.8	1000	23	NW	1
8	TS	06/13	15	10.1	-116.0	1000	23	WNW	1
9	TS	06/13	21	10.1	-116.2	1000	23	WNW	2
10	TS	06/14	3	10.2	-116.7	1000	23	WNW	3
11	TS	06/14	9	10.3	-117.0	1000	23	WNW	5
12	TS	06/14	15	10.4	-117.5	1000	23	WNW	4
13	TS	06/14	21	10.5	-118.2	1000	23	WNW	6
14	STS	06/15	3	10.9	-118.5	997	26	WNW	5
15	STS	06/15	9	11.1	-118.9	994	28	WNW	4
16	T	06/15	15	12.0	-119.2	987	33	NW	5
17	T	06/15	21	12.7	-119.6	979	38	NW	6
18	T	06/16	3	13.4	-120.0	979	38	NW	7
19	T	06/16	9	13.9	-120.4	982	38	NW	6
20	T	06/16	15	14.4	-120.2	982	36	NNW	5
21	STS	06/16	21	14.9	-120.0	982	31	NNW	7
22	STS	06/17	3	14.9	-119.5	994	28	NNE	4
23	TS	06/17	9	15.0	-119.6	997	23	N	3
24	TD	06/17	15	15.0	-119.6	1002	15	0	0
25	TD	06/17	21	14.5	-118.9	1006	13	SE	5
26	TD	06/18	3	13.8	-118.7	1006	13	S	3
27	TD	06/18	9	13.7	-118.7	1006	13	0	0
28	TD	06/18	15	13.8	-118.8	1006	13	0	0
29	TD	06/18	21	14.0	-118.7	1006	13	N	2
30	TD	06/19	3	13.9	-118.4	1006	13	0	0
31	TD	06/19	9	13.9	-118.2	1006	13	0	0
32	TD	06/19	15	13.5	-118.0	1006	13	S	2

2. TC = NEP9302 Name = BEATRIS All Points = 8

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	06/18	0	13.0	-96.0	1006	15	NW	1
2	TS	06/18	21	14.1	-96.4	1005	18	NW	2
3	TS	06/19	3	14.3	-96.5	1003	21	NW	2
4	STS	06/19	9	14.6	-96.7	997	26	NW	3
5	STS	06/19	15	15.0	-97.1	997	26	NW	5
6	STS	06/19	21	16.0	-97.8	1000	28	NW	7
7	STS	06/20	0	17.0	-97.5	1000	26	NW	8
8	TD	06/20	3	17.8	-97.6	1004	15	N	8

3. TC = NEP9303 Name = CALVIN All Points = 14

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	07/04	21	12.9	-98.7	1006	15	W	6
2	TS	07/05	3	12.5	-99.6	1005	18	W	8
3	TS	07/05	6	13.0	-99.7	1003	23	W	6
4	STS	07/05	15	13.1	-100.3	994	28	W	6
5	T	07/05	21	13.3	-100.4	987	33	WNW	5
6	T	07/06	3	13.3	-100.5	987	33	WNW	4
7	T	07/06	9	14.2	-100.0	985	36	N	5
8	T	07/06	12	15.2	-100.1	985	36	N	9
9	T	07/06	18	16.3	-101.3	985	36	N	11

10	T	07/06	21	16.5	-102.0	980	44	NW	11
11	T	07/07	3	17.2	-102.6	980	44	NW	9
12	T	07/07	9	17.8	-103.5	980	44	NW	10
13	TS	07/07	12	18.8	-103.0	987	21	N	5
14	TD	07/07	18	19.0	-102.0	995	15	N	1

4. TC = NEP9304 Name = DORA All Points = 26

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	07/14	15	10.8	-112.0	1007	15	WNW	11
2	TS	07/14	21	11.9	-120.6	1003	21	WNW	11
3	TS	07/15	3	12.4	-122.1	1000	23	WNW	13
4	STS	07/15	9	12.7	-123.1	998	26	WNW	13
5	STS	07/15	15	12.7	-124.3	994	28	WNW	12
6	T	07/15	21	12.8	-125.1	984	36	WNW	10
7	T	07/16	3	13.0	-126.1	970	46	WNW	10
8	T	07/16	9	13.2	-127.0	960	51	WNW	10
9	T	07/16	12	13.5	-127.9	958	54	WNW	10
10	T	07/16	21	13.9	-128.5	948	57	WNW	8
11	T	07/17	3	14.5	-129.2	948	57	WNW	8
12	T	07/17	9	15.3	-129.5	956	54	NW	9
13	T	07/17	21	16.0	-131.4	970	46	NW	10
14	T	07/18	3	16.9	-132.5	979	38	NW	10
15	T	07/18	9	17.1	-133.6	983	33	WNW	10
16	STS	07/18	15	17.5	-134.5	988	31	WNW	10
17	STS	07/18	21	17.6	-135.0	994	28	WNW	9
18	TS	07/19	3	17.8	-136.1	1000	23	WNW	10
19	TS	07/19	9	17.6	-137.2	1005	18	W	10
20	TD	07/19	15	17.5	-138.8	1007	15	W	13
21	TD	07/19	21	17.5	-140.1	1007	15	W	12
22	TD	07/20	3	17.4	-141.3	1008	13	W	12
23	TD	07/20	9	17.4	-142.4	1008	13	W	13
24	TD	07/20	15	17.4	-144.4	1008	13	W	13
25	TD	07/20	21	17.3	-145.4	1008	13	W	13
26	L	07/21	3	17.2	-146.8	1008	10	W	12

5. TC = NEP9305 Name = EUGENE All Points = 33

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	07/15	21	11.4	-113.4	1008	15	W	11
2	TD	07/16	3	11.4	-114.2	1008	15	W	9
3	TS	07/16	15	11.6	-115.2	1005	18	W	9
4	TS	07/16	21	11.5	-116.4	1000	23	W	8
5	T	07/17	3	11.5	-117.1	987	33	W	8
6	T	07/17	9	11.5	-117.5	987	33	W	6
7	T	07/17	21	11.0	-118.4	970	46	WSW	6
8	T	07/18	3	11.2	-118.7	960	54	W	6
9	T	07/18	9	11.6	-119.3	960	51	WNW	7
10	T	07/18	15	12.1	-119.6	960	51	NW	7
11	T	07/18	21	13.4	-119.8	960	51	NNW	7
12	T	07/19	3	13.9	-120.6	960	51	NW	8
13	T	07/19	9	14.8	-121.8	960	51	WNW	11
14	T	07/19	15	15.2	-123.0	952	57	WNW	12
15	T	07/19	21	15.7	-124.1	956	54	WNW	12
16	T	07/20	3	16.2	-125.4	960	51	WNW	13
17	T	07/20	9	16.7	-126.9	960	51	WNW	14
18	T	07/20	15	17.0	-128.4	960	51	WNW	15
19	T	07/20	21	17.4	-129.7	960	49	WNW	14
20	T	07/21	3	17.8	-131.0	965	49	WNW	13
21	T	07/21	9	18.1	-131.8	970	46	WNW	11
22	T	07/21	15	18.6	-132.9	973	46	WNW	11
23	T	07/21	21	19.0	-134.3	980	41	WNW	12

24	T	07/22	3	18.8	-136.0	987	33	W	14
25	STS	07/22	9	18.7	-137.7	990	28	W	14
26	TS	07/22	15	18.8	-138.9	1000	23	W	14
27	TS	07/22	21	19.2	-140.4	1002	21	W	13
28	TS	07/23	3	19.6	-142.8	1004	18	W	18
29	TS	07/23	9	19.1	-145.5	1004	18	W	22
30	TS	07/23	15	19.1	-147.8	1004	18	W	25
31	TD	07/23	21	19.0	-149.9	1006	15	W	24
32	TD	07/24	3	19.1	-152.1	1006	15	W	24
33	TD	07/24	9	19.2	-154.2	1008	15	W	22

6. TC = NEP9306 Name = FERNANDA All Points = 40

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	08/09	15	13.3	-107.6	1006	15	W	19
2	TS	08/09	21	13.8	-108.1	1003	21	W	17
3	STS	08/10	3	14.3	-110.0	998	26	W	18
4	STS	08/10	9	14.5	-112.1	994	31	W	18
5	STS	08/10	15	14.9	-113.0	994	31	W	19
6	T	08/10	21	14.7	-115.7	983	36	W	18
7	T	08/11	3	14.4	-117.7	0	44	W	18
8	T	08/11	9	14.3	-119.4	948	59	W	17
9	T	08/11	15	14.4	-121.3	948	59	W	17
10	T	08/11	21	14.6	-123.1	935	64	W	18
11	T	08/12	3	14.9	-124.9	930	64	W	18
12	T	08/12	9	15.3	-126.4	935	64	W	17
13	T	08/12	15	15.8	-128.2	935	64	W	17
14	T	08/12	21	16.2	-129.9	940	61	W	17
15	T	08/13	3	16.6	-131.7	948	59	W	18
16	T	08/13	9	17.2	-133.5	952	59	W	18
17	T	08/13	15	17.6	-135.5	952	57	W	18
18	T	08/13	21	17.9	-136.8	970	51	W	17
19	T	08/14	3	18.4	-138.7	970	46	W	18
20	T	08/14	9	18.7	-140.9	970	44	WNW	17
21	T	08/14	15	18.6	-141.8	974	41	WNW	17
22	T	08/15	3	19.0	-144.7	980	38	W	12
23	T	08/15	9	19.2	-146.1	980	38	W	12
24	T	08/15	15	19.8	-146.1	980	38	W	13
25	T	08/15	21	20.2	-148.7	964	46	WNW	13
26	T	08/16	3	20.6	-149.5	970	46	WNW	10
27	T	08/16	9	20.9	-150.1	975	46	WNW	10
28	T	08/16	15	21.2	-150.9	975	46	WNW	9
29	T	08/16	21	21.4	-150.8	975	46	WNW	5
30	T	08/17	3	21.9	-150.9	980	41	NW	4
31	T	08/17	9	22.3	-151.0	981	38	NW	4
32	T	08/17	15	23.2	-151.3	985	33	NNW	5
33	STS	08/17	21	23.9	-151.7	988	28	NNW	7
34	STS	08/18	3	24.5	-151.8	990	26	NNW	6
35	STS	08/18	9	25.2	-152.1	994	26	NNW	7
36	STS	08/18	15	25.8	-152.4	998	26	NNW	5
37	TS	08/18	21	26.8	-152.2	1000	23	N	8
38	TS	08/19	9	29.4	-152.3	1004	21	N	13
39	TS	08/19	15	30.1	-154.5	1004	18	NW	12
40	TD	08/19	21	31.0	-155.0	1004	15	NW	5

7. TC = NEP9307 Name = KEONI All Points = 73

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	08/09	3	12.4	-144.2	1008	15	W	5
2	TD	08/09	9	12.4	-144.5	1005	15	W	5
3	TD	08/09	21	12.2	-144.5	1008	15	0	0
4	TD	08/10	3	12.2	-144.5	1008	15	0	0

5	TD	08/10	9	12.5	-144.5	1006	15	0	0
6	TD	08/10	15	12.4	-144.3	1008	15	W	5
7	TD	08/10	21	12.3	-145.0	1008	15	0	0
8	TD	08/11	3	12.3	-145.0	1008	15	0	0
9	TD	08/11	9	12.3	-145.0	1008	15	0	0
10	TD	08/11	15	12.3	-145.3	1008	15	0	0
11	TD	08/11	21	12.3	-145.8	1008	15	W	5
12	TD	08/12	3	12.5	-147.0	1008	15	W	10
13	TD	08/12	9	12.6	-148.6	1004	15	W	13
14	TD	08/12	15	12.9	-150.2	1008	15	W	15
15	STS	08/12	21	11.7	-151.3	1000	26	W	13
16	STS	08/13	3	11.9	-153.3	1000	28	W	16
17	STS	08/13	9	12.1	-154.1	996	28	W	15
18	STS	08/13	15	12.4	-155.7	996	28	W	15
19	STS	08/13	21	12.2	-156.3	996	31	W	13
20	STS	08/14	3	12.2	-158.0	996	31	W	12
21	STS	08/14	9	12.6	-158.7	990	31	W	12
22	STS	08/14	15	13.1	-160.0	990	31	W	12
23	T	08/15	3	13.8	-163.1	980	38	W	13
24	T	08/15	9	13.8	-165.0	967	41	W	13
25	T	08/15	15	14.1	-166.8	964	57	W	16
26	T	08/15	21	13.9	-167.4	964	46	W	12
27	T	08/16	3	14.3	-168.6	964	49	W	12
28	T	08/16	9	14.5	-169.9	958	54	W	12
29	T	08/16	15	15.0	-171.4	950	59	WNW	14
30	T	08/16	21	15.5	-172.7	950	59	WNW	14
31	T	08/17	3	15.5	-172.5	950	59	WNW	8
32	T	08/17	9	16.2	-173.5	950	59	WNW	8
33	T	08/17	15	16.8	-173.8	960	51	NW	8
34	T	08/17	21	17.2	-174.9	965	49	WNW	9
35	T	08/18	3	17.5	-174.9	965	46	NW	7
36	T	08/18	9	17.8	-175.5	970	44	NW	9
37	T	08/18	15	18.2	-176.1	975	44	NW	6
38	STS	08/19	3	19.4	-177.0	980	31	NW	11
39	T	08/19	9	20.1	-178.4	984	36	NW	8
40	T	08/19	15	20.1	-179.1	985	33	WNW	10
41	T	08/20	0	20.7	179.4	970	33	WNW	9
42	T	08/20	6	21.3	178.3	960	38	WNW	11
43	T	08/20	12	21.9	177.3	955	38	WNW	11
44	T	08/20	18	22.6	176.0	955	38	WNW	13
45	T	08/21	0	23.9	174.9	955	38	WNW	10
46	T	08/21	6	23.9	173.9	950	41	NW	13
47	T	08/21	12	24.5	172.7	940	46	NW	13
48	T	08/21	18	25.3	171.8	940	46	NW	10
49	T	08/22	0	26.1	171.2	940	46	NW	10
50	T	08/22	6	26.8	170.6	945	44	NW	9
51	T	08/22	12	27.3	170.2	950	41	NNW	6
52	T	08/22	18	27.8	169.4	960	38	NNE	8
53	T	08/23	0	28.2	168.8	970	36	WNW	8
54	T	08/23	6	28.6	167.5	970	36	WNW	10
55	T	08/23	12	28.8	166.2	975	33	W	12
56	STS	08/23	18	28.8	164.6	980	28	W	14
57	STS	08/24	0	29.4	163.6	980	28	NW	10
58	STS	08/24	6	30.1	162.5	975	31	NW	12
59	T	08/24	12	30.9	161.9	970	33	NW	10
60	T	08/24	18	31.6	161.2	960	36	NW	10
61	T	08/25	0	32.1	160.5	960	36	NW	8
62	T	08/25	6	32.3	159.9	965	36	WNW	6
63	T	08/25	12	32.4	159.6	965	36	WNW	1
64	T	08/25	18	32.4	159.3	970	33	W	1

65	STS	08/26	0	32.6	159.3	980	28	0	0
66	STS	08/26	6	33.3	158.8	985	26	NNW	8
67	L	08/26	18	34.0	158.4	985	26	NNW	8
68	L	08/27	0	35.5	158.5	992	23	N	12
69	L	08/27	6	36.0	158.8	994	21	NNE	7
70	L	08/27	12	36.5	158.7	994	21	N	1
71	L	08/27	18	37.1	158.8	994	21	N	6
72	L	08/28	0	37.3	160.1	994	21	E	13
73	L	08/28	6	37.0	162.0	1000	15	E	15

8. TC = NEP9308 Name = GREG All Points = 50

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	08/15	3	14.9	-102.9	1009	15	WNW	12
2	TD	08/15	9	15.6	-104.0	1009	15	WNW	13
3	TS	08/15	15	16.6	-104.2	1005	18	WNW	13
4	STS	08/15	21	17.9	-105.6	997	26	WNW	12
5	STS	08/16	3	17.6	-107.0	994	28	WNW	13
6	STS	08/16	9	18.4	-107.6	991	31	WNW	10
7	T	08/16	15	18.8	-108.0	987	33	NW	5
8	T	08/16	21	19.2	-108.3	974	44	NW	5
9	T	08/17	3	19.4	-108.5	974	44	NW	3
10	T	08/17	9	19.4	-108.9	974	44	W	3
11	T	08/17	15	19.4	-109.4	977	41	W	5
12	T	08/17	21	19.3	-110.4	977	41	W	6
13	T	08/18	3	18.8	-110.8	977	41	SW	5
14	T	08/18	9	18.6	-111.4	980	38	W	6
15	T	08/18	15	18.4	-112.3	983	36	W	7
16	T	08/18	21	18.3	-113.1	977	41	W	8
17	T	08/19	9	18.3	-115.1	965	49	W	9
18	T	08/19	15	18.3	-116.3	952	57	W	11
19	T	08/19	21	18.2	-117.5	948	59	W	10
20	T	08/20	3	18.2	-118.5	948	59	W	9
21	T	08/20	9	18.3	-119.2	948	59	W	10
22	T	08/20	15	18.5	-120.5	948	59	W	11
23	T	08/20	21	18.5	-121.5	952	57	W	11
24	T	08/21	3	18.7	-122.1	952	57	W	11
25	T	08/21	9	18.6	-122.8	960	51	W	9
26	T	08/21	15	18.7	-123.9	965	49	W	11
27	T	08/21	21	18.7	-124.8	970	46	W	9
28	T	08/22	3	19.2	-125.8	970	46	WNW	9
29	T	08/22	9	19.2	-126.7	974	44	W	9
30	T	08/22	15	19.2	-127.6	974	44	W	9
31	T	08/22	21	19.2	-128.4	977	41	W	9
32	T	08/23	3	19.2	-129.2	980	38	W	9
33	T	08/23	9	19.8	-129.9	980	38	NW	6
34	T	08/23	15	20.1	-130.6	980	38	NW	5
35	T	08/23	21	20.3	-131.4	980	38	NW	12
36	T	08/24	3	20.6	-132.1	980	38	NW	8
37	T	08/24	15	20.8	-133.2	980	38	W	5
38	T	08/24	21	20.4	-133.7	980	38	W	1
39	T	08/25	3	20.3	-134.3	980	38	W	3
40	T	08/25	15	19.8	-134.8	987	33	SW	3
41	T	08/25	21	19.4	-135.2	987	33	SW	4
42	STS	08/26	3	19.4	-135.6	991	31	W	4
43	STS	08/26	9	19.7	-135.8	997	26	NW	4
44	STS	08/26	15	19.7	-135.9	997	26	NW	3
45	TS	08/26	21	20.1	-136.9	1000	23	WNW	5
46	TS	08/27	3	20.2	-137.3	1000	23	W	5
47	TS	08/27	9	20.5	-137.4	1000	23	W	4
48	TS	08/27	21	21.3	-139.2	1005	18	WNW	10

49	TD	08/28	3	21.2	-140.2	1009	15	W	8	15	T	09/01	15	18.1	-107.2	948	59	WNW	8
50	TD	08/28	9	21.1	-140.8	1009	15	W	8	16	T	09/01	21	18.5	-107.9	950	57	WNW	8
9. TC = NEP9309 Name = HILARY All Points = 38										17	T	09/02	3	18.9	-108.6	960	54	WNW	8
N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel	18	T	09/02	9	19.3	-109.5	970	46	WNW	9
1	TD	08/17	21	13.1	-95.5	1005	15	W	3	19	T	09/02	15	19.9	-110.5	975	44	WNW	10
2	TD	08/18	3	13.3	-96.0	1005	15	W	3	20	T	09/02	21	20.2	-111.6	979	38	WNW	10
3	TS	08/18	9	13.6	-96.9	1003	21	W	6	21	T	09/03	3	20.6	-112.3	970	41	WNW	9
4	TS	08/18	15	13.8	-97.9	1002	21	W	6	22	T	09/03	9	21.0	-113.5	970	46	WNW	10
5	STS	08/18	21	13.8	-99.3	994	28	W	10	23	T	09/03	15	21.4	-114.9	970	46	WNW	12
6	STS	08/19	9	14.2	-101.3	992	31	W	10	24	T	09/03	21	21.6	-116.3	970	44	W	12
7	STS	08/19	15	14.8	-102.7	990	31	W	11	25	T	09/04	3	21.8	-117.5	977	38	W	12
8	T	08/19	21	15.6	-103.8	987	33	WNW	12	26	T	09/04	9	22.1	-119.1	987	33	W	13
9	T	08/20	3	16.4	-104.1	979	37	NW	10	27	TD	09/04	15	22.3	-120.1	1002	15	W	11
10	T	08/20	9	17.0	-104.9	979	38	NW	10	11. TC = NEP9311 Name = KENNETH All Points = 45									
11	T	08/20	15	17.5	-105.8	979	38	NW	10	N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
12	T	08/20	21	18.1	-106.7	970	46	NW	10	1	TD	09/06	9	12.3	-108.1	1005	15	W	3
13	T	08/21	3	18.0	-107.0	960	51	WNW	5	2	TS	09/06	15	12.5	-108.9	1005	18	W	3
14	T	08/21	9	18.5	-107.6	960	54	NW	7	3	TS	09/06	21	12.2	-109.1	998	23	W	4
15	T	08/21	15	18.8	-108.2	960	54	WNW	7	4	TS	09/07	3	12.9	-109.2	1000	23	WNW	5
16	T	08/21	21	18.9	-108.9	962	54	WNW	7	5	STS	09/07	9	13.4	-109.6	995	28	WNW	5
17	T	08/22	3	19.7	-109.3	963	51	NW	7	6	STS	09/07	15	14.1	-110.1	995	28	NW	6
18	T	08/22	9	20.3	-110.1	970	46	NW	8	7	STS	09/07	21	14.9	-110.9	995	28	NW	8
19	T	08/22	15	20.8	-110.7	979	38	WNW	8	8	STS	09/08	3	15.0	-111.8	990	31	WNW	8
20	T	08/22	21	20.0	-110.6	979	36	S	5	9	T	09/08	9	14.9	-112.6	987	33	WNW	8
21	T	08/23	3	20.1	-110.6	994	33	-	0	10	T	09/08	15	14.7	-113.1	987	33	WNW	9
22	STS	08/23	9	20.3	-111.0	994	28	-	0	11	T	09/08	21	14.7	-113.9	987	33	W	8
23	STS	08/23	15	20.6	-111.3	994	28	WNW	3	12	T	09/09	3	14.7	-114.2	987	33	W	5
24	TS	08/23	21	21.4	-110.8	1000	23	N	5	13	T	09/09	9	14.5	-115.0	987	33	W	6
25	TS	08/24	3	22.2	-111.0	1002	21	NNW	6	14	T	09/09	15	14.6	-116.0	987	33	WNW	8
26	TS	08/24	9	22.5	-111.4	1005	21	NW	6	15	T	09/09	21	14.9	-116.6	987	38	NW	8
27	TS	08/24	15	22.7	-111.4	1002	18	NW	4	16	T	09/10	3	15.4	-117.1	987	38	NW	8
28	STS	08/24	21	22.9	-111.4	997	26	NNW	5	17	T	09/10	9	15.5	-117.7	982	41	WNW	7
29	STS	08/25	3	23.7	-112.1	997	26	NNW	5	18	T	09/10	15	15.8	-118.2	960	51	WNW	6
30	STS	08/25	9	24.1	-112.3	997	26	NNW	5	19	T	09/10	21	16.3	-118.6	948	59	NW	6
31	STS	08/25	15	25.2	-112.5	997	26	NNW	7	20	T	09/11	3	17.2	-118.9	935	64	NNW	6
32	STS	08/25	21	25.6	-112.4	997	26	N	7	21	T	09/11	9	17.5	-120.0	935	64	WNW	8
33	TS	08/26	3	26.4	-112.4	997	23	N	7	22	T	09/11	15	17.9	-120.6	935	64	WNW	7
34	TD	08/26	9	27.2	-111.9	1008	15	N	7	23	T	09/11	21	18.2	-121.6	942	61	WNW	8
35	TD	08/26	15	28.2	-112.1	1005	15	N	6	24	T	09/12	3	18.3	-122.7	942	61	WNW	9
36	TD	08/26	21	29.5	-112.2	1007	15	N	7	25	T	09/12	9	18.3	-123.4	950	57	W	8
37	TD	08/27	3	30.0	-112.8	1007	15	NW	9	26	T	09/12	15	18.1	-124.2	960	51	W	8
38	TD	08/27	9	31.5	-112.5	1010	15	NNW	5	27	T	09/12	21	18.0	-125.0	970	46	W	8
10. TC = NEP9310 Name = IOVA All Points = 27										28	T	09/13	3	18.1	-126.1	970	46	W	9
N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel	29	T	09/13	9	18.2	-127.1	970	46	W	9
1	TD	08/29	3	13.6	-96.5	1009	15	W	5	30	T	09/13	15	18.5	-128.3	970	46	W	10
2	TD	08/29	9	14.0	-97.4	1009	15	WNW	5	31	T	09/13	21	18.6	-129.2	970	46	W	10
3	TD	08/29	15	13.9	-99.0	1007	15	WNW	5	32	T	09/14	3	18.8	-130.6	970	46	W	11
4	TS	08/29	21	14.5	-100.6	1005	17	WNW	8	33	T	09/14	9	19.4	-131.2	979	38	WNW	9
5	TS	08/30	3	14.6	-101.0	1002	21	WNW	7	34	T	09/14	15	19.8	-132.4	980	36	WNW	9
6	TS	08/30	9	15.2	-101.6	1000	23	WNW	7	35	T	09/14	21	20.4	-133.0	987	33	WNW	9
7	STS	08/30	15	15.3	-102.3	997	26	WNW	7	36	T	09/15	3	21.1	-133.9	990	33	NW	9
8	STS	08/30	21	15.9	-102.8	994	28	NNW	7	37	STS	09/15	9	21.6	-134.7	994	28	NW	10
9	STS	08/31	3	15.9	-103.1	994	31	WNW	7	38	TS	09/15	15	22.0	-135.6	1000	23	WNW	10
10	T	08/31	9	16.3	-103.5	990	33	WNW	6	39	TS	09/15	21	22.1	-136.5	1000	23	WNW	9
11	T	08/31	15	16.8	-104.2	983	36	WNW	7	40	TS	09/16	3	22.5	-137.3	1002	21	WNW	9
12	T	08/31	21	17.1	-104.9	970	46	WNW	8	41	TS	09/16	9	22.7	-137.3	1002	18	NW	6
13	T	09/01	3	17.3	-105.4	948	59	WNW	8	42	TD	09/16	15	23.5	-137.8	1004	15	NW	6
14	T	09/01	9	17.7	-106.2	948	59	WNW	7	43	TD	09/16	21	23.5	-138.2	1006	15	NW	4
										44	TD	09/17	3	23.5	-138.2	1009	15	NW	3

45 TD 09/17 9 23.8 -138.3 1009 13 NW 3
 12. TC = NEP9312 Name = LIDIA All Points = 21

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	09/08	17	10.8	-95.5	1006	15	W	5
2	TS	09/08	21	11.0	-95.3	1000	21	W	5
3	TS	09/09	3	12.1	-96.2	998	21	WNW	5
4	TS	09/09	15	12.4	-98.1	996	21	WNW	10
5	STS	09/09	21	13.3	-98.6	992	26	WNW	10
6	STS	09/10	3	13.7	-99.4	990	28	WNW	10
7	STS	09/10	9	14.1	-100.3	989	28	WNW	10
8	STS	09/10	15	15.3	-101.8	980	28	WNW	11
9	STS	09/10	21	15.9	-103.7	970	28	NW	6
10	T	09/11	3	16.4	-105.0	955	54	WNW	15
11	T	09/11	9	16.8	-106.1	935	76	WNW	15
12	T	09/11	15	17.8	-107.1	940	73	WNW	15
13	T	09/11	21	18.5	-108.1	948	70	NW	13
14	T	09/12	3	19.5	-109.1	940	70	NW	14
15	T	09/12	9	20.1	-109.7	960	62	NW	12
16	T	09/12	15	20.9	-109.9	970	54	N	12
17	T	09/12	21	22.0	-108.1	970	54	NNE	14
18	T	09/13	3	22.3	-108.7	970	54	NE	14
19	T	09/13	9	24.4	-107.4	975	46	NE	16
20	STS	09/13	15	26.0	-106.0	1000	26	NE	21
21	TD	09/13	21	29.5	-103.5	1005	15	NE	30

13. TC = NEP9313 Name = MAX All Points = 10

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	10/01	21	11.6	-116.6	1006	15	WNW	5
2	TD	10/02	3	10.8	-117.2	1006	15	W	4
3	TD	10/02	9	10.7	-117.4	1002	15	W	5
4	TD	10/02	15	10.7	-117.4	1005	15	W	3
5	TS	10/02	21	10.5	-117.0	1005	18	0	0
6	TS	10/03	3	10.8	-116.9	1005	18	N	3
7	TS	10/03	9	11.0	-117.0	1005	18	0	0
8	TD	10/03	15	11.5	-116.5	1005	15	0	0
9	TD	10/03	21	12.6	-117.0	1006	15	NNE	3
10	TD	10/04	3	13.9	-116.7	1008	15	NNE	3

14. TC = NEP9314 Name = NORMA All Points = 11

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	10/02	21	13.5	-111.8	1005	15	WNW	7
2	TD	10/03	3	14.8	-112.4	1004	15	NW	9
3	TD	10/03	9	15.3	-112.8	1005	15	NW	8
4	TS	10/03	15	16.1	-113.5	1005	18	NW	8
5	TS	10/03	21	17.2	-114.3	1002	21	NW	10
6	TS	10/04	3	18.3	-114.6	1002	21	NNW	11
7	TS	10/04	9	19.0	-114.7	1000	23	NNW	10
8	TS	10/04	15	18.0	-116.4	1002	21	WNW	7
9	TS	10/04	21	18.2	-117.1	1005	18	WNW	7
10	TD	10/05	3	18.3	-117.6	1005	15	WNW	7
11	TD	10/05	9	18.5	-117.9	1005	15	WNW	6

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1. TC = ATL9301 Name = ARLENE All Points = 12

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	06/18	3	21.0	-92.0	1004	15	NW	7
2	TD	06/18	9	21.0	-92.4	1004	15	NW	7
3	TD	06/18	15	21.5	-93.8	1004	15	NW	8
4	TD	06/18	21	21.8	-93.4	1006	15	NW	2
5	TD	06/19	3	22.9	-93.5	1006	15	NNW	7
6	TD	06/19	9	23.8	-95.0	1006	15	NW	8
7	TS	06/19	21	26.1	-96.4	1000	18	WNW	3
8	TS	06/20	3	26.4	-97.0	1000	18	WNW	4
9	TS	06/20	9	27.1	-97.6	1000	18	NW	8
10	TD	06/20	21	27.2	-98.0	1001	15	NW	8
11	TD	06/21	3	27.1	-98.3	1003	15	W	1
12	TD	06/21	9	27.1	-98.3	1005	15	0	0

2. TC = ATL9302 Name = BRET All Points = 27

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	08/04	15	10.3	-40.9	1009	15	WSW	12
2	TD	08/04	21	10.4	-42.3	1007	15	W	13
3	TS	08/05	3	10.4	-43.9	1005	18	W	14
4	TS	08/05	9	10.6	-45.9	1004	21	W	15
5	TS	08/05	15	10.5	-48.5	1004	21	W	19
6	TS	08/05	21	10.5	-50.4	1000	23	W	19
7	TS	08/06	3	10.4	-52.1	1000	23	W	18
8	STS	08/06	9	10.1	-53.6	997	26	W	18
9	STS	08/06	15	9.7	-55.5	995	26	W	17
10	TS	08/06	21	10.2	-57.9	1002	23	W	11
11	TS	08/07	3	10.5	-59.4	1002	23	W	17
12	TS	08/07	9	10.8	-61.4	1002	23	W	18
13	TS	08/07	15	10.8	-63.4	1002	23	W	19
14	TS	08/07	21	11.0	-65.2	1004	23	W	19
15	TS	08/08	3	10.9	-66.8	1008	23	W	17
16	TS	08/08	9	11.0	-68.5	1008	21	W	17
17	TS	08/08	15	11.0	-70.1	1008	21	W	18
18	TS	08/08	21	11.1	-72.8	1007	21	W	20
19	TS	08/09	3	11.1	-74.9	1006	21	W	20
20	TS	08/09	9	10.8	-76.2	1004	21	W	18
21	TS	08/09	15	10.7	-79.0	1005	18	W	25
22	TD	08/10	3	10.9	-81.7	1004	15	W	16
23	TS	08/10	9	11.0	-82.8	1003	18	W	15
24	TS	08/10	15	11.2	-83.5	1003	21	W	9
25	TD	08/10	21	11.2	-85.0	1005	15	W	12
26	TD	08/11	3	11.7	-85.5	1005	13	WNW	10
27	TD	08/11	9	12.1	-86.2	1005	13	WNW	9

3. TC = ATL9303 Name = CINDY All Points = 11

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	08/14	15	14.5	-60.6	1010	15	WNW	12
2	TS	08/14	18	14.8	-61.0	1010	18	WNW	14
3	TS	08/15	3	15.1	-62.6	1012	18	WNW	11
4	TS	08/15	9	15.4	-63.9	1011	18	WNW	12
5	TS	08/15	15	15.9	-65.3	1013	18	WNW	12
6	TS	08/15	21	16.2	-66.4	1007	21	WNW	11
7	TS	08/16	3	17.0	-67.6	1012	18	WNW	11
8	TS	08/16	9	17.5	-68.5	1009	18	WNW	11
9	TS	08/16	15	17.8	-69.9	1008	18	WNW	12
10	TD	08/16	21	18.1	-71.3	1010	13	WNW	14

11 TD 08/17 0 18.2 -72.0 1010 13 WNW 8
 4. TC = ATL9304 Name = DENNIS All Points = 22

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	08/23	15	13.3	-30.5	1009	15	WNW	9
2	TD	08/23	21	13.9	-31.2	1009	15	WNW	10
3	TD	08/24	3	15.0	-32.8	1007	15	WNW	10
4	TD	08/24	9	15.4	-33.4	1007	15	WNW	11
5	TS	08/24	15	15.5	-34.7	1005	18	WNW	10
6	TS	08/24	21	15.9	-35.3	1005	18	WNW	10
7	TS	08/25	3	16.6	-35.8	1005	18	NW	10
8	TS	08/25	9	17.0	-36.7	1002	23	NW	10
9	TS	08/25	15	17.5	-38.5	1000	23	NW	10
10	TS	08/25	21	18.7	-39.1	1000	23	NW	11
11	TS	08/26	3	19.5	-39.8	1000	23	NW	10
12	TS	08/26	9	20.0	-41.0	1000	23	NW	11
13	TS	08/26	15	20.5	-42.0	1000	23	NW	11
14	TS	08/26	21	20.9	-42.5	1002	23	NW	12
15	TS	08/27	3	21.5	-42.9	1004	18	NW	8
16	TS	08/27	9	22.2	-43.1	1005	18	WNW	7
17	TS	08/27	15	22.7	-43.1	1005	18	NNW	5
18	TD	08/27	21	23.2	-43.7	1007	15	NW	4
19	TD	08/28	3	23.3	-44.6	1007	15	WNW	6
20	TD	08/28	9	22.3	-45.1	1007	15	WSW	6
21	TD	08/28	15	21.8	-45.1	1007	15	SW	6
22	TD	08/28	21	21.6	-44.8	1008	13	SW	7

5. TC = ATL9305 Name = EMILY All Points = 51

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	08/22	21	20.0	-53.3	1009	15	W	9
2	TD	08/23	3	20.3	-53.5	1009	15	WNW	5
3	TD	08/23	9	21.7	-55.4	1009	15	WNW	9
4	TD	08/23	15	23.0	-57.5	1015	15	NW	14
5	TD	08/23	21	23.7	-58.0	1015	15	NW	12
6	TD	08/24	3	24.7	-58.3	1015	15	NW	11
7	TD	08/24	9	25.4	-59.3	1015	15	NW	11
8	TD	08/24	15	27.3	-59.8	1015	15	NW	7
9	TD	08/24	21	28.3	-60.2	1016	15	NW	7
10	TD	08/25	3	28.4	-60.1	1015	15	0	0
11	TD	08/25	15	28.1	-60.6	1016	15	NNW	3
12	TD	08/25	21	28.6	-60.1	1016	15	N	3
13	TD	08/26	3	28.5	-60.8	1014	15	W	5
14	TD	08/26	9	28.6	-61.2	1014	15	W	2
15	T	08/26	21	27.4	-62.5	1005	33	W	5
16	STS	08/27	3	26.6	-62.9	1008	31	W	3
17	STS	08/27	9	26.6	-63.9	1008	31	W	8
18	STS	08/27	15	26.5	-64.0	993	31	0	0
19	STS	08/27	21	26.5	-64.9	990	31	W	8
20	T	08/28	3	26.6	-65.8	981	36	W	9
21	T	08/28	9	26.9	-66.6	982	36	WNW	8
22	T	08/28	15	27.6	-67.5	981	36	WNW	8
23	T	08/28	21	28.3	-67.9	975	38	NW	8
24	T	08/29	3	29.0	-68.7	975	36	NW	9
25	T	08/29	9	29.8	-68.9	978	36	NW	8
26	T	08/29	15	30.5	-69.5	978	36	NNW	8
27	T	08/29	21	31.2	-70.1	979	36	NNW	8
28	T	08/30	3	31.6	-70.5	978	38	NW	8
29	T	08/30	9	31.8	-71.1	977	38	WNW	7
30	T	08/30	15	31.9	-71.8	975	38	WNW	6
31	T	08/30	21	32.0	-72.5	973	38	WNW	6

32	T	08/31	3	32.5	-73.5	972	44	WNW	8
33	T	08/31	9	33.5	-74.5	970	44	WNW	8
34	T	08/31	15	34.1	-74.8	965	46	NW	8
35	T	08/31	21	35.2	-75.1	964	51	N	11
36	T	09/01	3	36.0	-74.7	960	51	NNE	11
37	T	09/01	9	37.1	-73.9	963	51	NE	13
38	T	09/01	15	38.0	-71.9	967	51	ENE	15
39	T	09/01	21	38.5	-69.8	968	49	ENE	16
40	T	09/02	3	39.4	-67.3	968	49	ENE	19
41	T	09/02	9	39.1	-64.5	970	46	E	20
42	T	09/02	15	39.4	-61.9	970	46	E	20
43	T	09/02	21	39.1	-60.0	970	46	E	18
44	T	09/03	3	38.7	-58.3	974	44	E	15
45	T	09/03	9	37.7	-56.7	977	41	ESE	15
46	T	09/03	15	37.3	-58.0	980	33	W	10
47	T	09/03	21	37.0	-57.6	987	33	SE	5
48	STS	09/04	3	36.3	-57.5	994	26	S	5
49	TS	09/04	9	35.2	-57.2	1002	21	S	5
50	TS	09/04	15	35.5	-57.5	1002	18	NW	2
51	TD	09/05	3	37.3	-56.8	1004	15	NNE	6

6. TC = ATL9306 Name = FLOYD All Points = 13

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	09/07	21	27.0	-68.8	1008	15	NNW	18
2	TS	09/08	3	28.5	-69.1	1009	23	NNW	17
3	TS	09/08	9	30.5	-69.6	1010	23	N	17
4	TS	09/08	15	32.0	-69.8	1012	23	0	0
5	TS	09/08	21	34.0	-68.7	1012	23	NNE	20
6	TS	09/09	3	36.0	-67.0	1012	21	NNE	22
7	TS	09/09	9	37.6	-65.0	1008	18	NE	22
8	TS	09/09	15	41.3	-60.3	1006	23	NE	30
9	STS	09/09	21	42.6	-56.1	998	31	ENE	45
10	T	09/10	3	44.8	-51.0	966	36	ENE	43
11	L	09/10	9	46.3	-44.1	996	28	ENE	46
12	L	09/10	15	46.9	-39.7	996	33	ENE	40
13	L	09/10	21	47.4	-33.9	1000	31	E	40

7. TC = ATL9307 Name = GERT All Points = 27

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	09/14	21	10.7	-80.6	1008	13	W	6
2	TD	09/15	3	10.6	-81.4	1005	15	W	6
3	TS	09/15	9	11.0	-82.4	1001	18	WNW	9
4	TS	09/15	15	11.6	-83.3	1001	18	WNW	8
5	TD	09/15	21	12.2	-84.3	1006	15	WNW	8
6	TD	09/16	3	12.2	-84.4	1006	15	0	0
7	TD	09/16	9	12.7	-85.4	1006	15	NW	8
8	TD	09/16	15	13.1	-85.9	1006	15	NW	8
9	TD	09/16	21	13.6	-86.4	1006	15	NW	8
10	TD	09/17	3	14.0	-86.6	1006	15	NW	6
11	TD	09/17	9	14.8	-87.1	1006	13	NW	7
12	TD	09/17	15	15.9	-87.7	1006	13	NW	8
13	TS	09/17	21	16.9	-87.9	1001	18	NNW	9
14	TS	09/18	3	18.0	-88.1	1000	18	NNW	10
15	TS	09/18	9	19.0	-88.7	1002	18	NNW	9
16	TD	09/18	15	19.5	-89.5	1003	15	NNW	9
17	TD	09/18	21	19.5	-91.6	1003	15	WNW	10
18	TD	09/19	3	19.8	-92.5	1002	15	WNW	10
19	TS	09/19	9	20.1	-92.9	1001	21	WNW	9
20	TS	09/19	15	20.6	-93.5	993	23	WNW	9
21	STS	09/19	21	20.9	-94.6	992	26	WNW	9

22	STS	09/20	3	21.1	-94.4	990	28	WNW	7
23	T	09/20	9	21.3	-95.3	982	33	WNW	9
24	T	09/20	15	21.3	-96.4	978	41	WNW	9
25	T	09/20	21	21.5	-97.4	970	44	WNW	10
26	STS	09/21	3	21.3	-98.9	992	28	W	12
27	TD	09/21	9	21.0	-100.0	1000	15	W	12

8. TC = ATL9308 Name = HARVEY All Points = 12

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	09/18	21	27.2	-62.1	1009	15	NNW	8
2	TD	09/19	3	27.4	-62.2	1008	15	NNW	7
3	TD	09/19	9	27.9	-61.8	1009	15	N	6
4	TD	09/19	15	29.2	-61.8	1009	15	N	9
5	TD	09/19	21	29.7	-61.3	1009	15	NNE	8
6	TD	09/20	3	30.3	-60.3	1009	15	NE	8
7	TD	09/20	9	31.5	-58.3	1007	15	NE	15
8	TS	09/20	15	34.3	-56.8	1003	18	NE	20
9	T	09/20	21	36.6	-54.1	990	33	NE	25
10	T	09/21	3	38.7	-51.0	990	33	NE	30
11	STS	09/21	9	40.8	-46.7	994	28	NE	35
12	L	09/21	15	43.1	-45.6	997	26	NE	31

1993. North Indian Ocean

1. TC = NIN93-1 Name = NO NAME All Points = 5

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	06/17	3	22.5	87.0	1004	13	N	3
2	TD	06/17	12	23.0	88.0	1004	13	NE	7
3	TD	06/18	3	24.0	89.0	1000	15	NE	10
4	TD	06/18	12	24.5	90.0	1000	15	ENE	10
5	TD	06/19	3	25.5	91.5	1004	13	NE	10

2. TC = NIN93-2 Name = NO NAME All Points = 4

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	11/08	12	7.0	78.0	1004	13	N	5
2	TD	11/09	3	9.0	78.0	1004	13	N	12
3	TD	11/09	12	9.0	77.0	1004	13	W	10
4	TD	11/10	3	9.5	76.5	1004	13	NW	3

3. TC = NIN9301 Name = NO NAME All Points = 8

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	11/12	3	13.5	67.5	1000	15	NW	10
2	TS	11/13	3	16.0	65.0	994	21	NW	10
3	TS	11/13	12	17.5	64.5	991	23	N	12
4	TS	11/14	3	20.5	64.5	991	23	N	15
5	STS	11/14	12	21.0	64.5	987	26	N	5
6	STS	11/15	3	23.0	67.0	987	26	NE	12
7	TS	11/15	12	23.0	67.0	994	21	0	0
8	TD	11/15	18	23.5	67.5	1000	15	NE	3

4. TC = NIN9302 Name = NO NAME All Points = 9

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	12/01	12	7.5	88.5	1004	13	S	3
2	TD	12/02	3	7.0	87.0	1000	15	WSW	10
3	TS	12/02	9	8.0	86.0	994	21	NW	15
4	TS	12/02	12	8.5	85.0	991	23	WNW	15
5	STS	12/03	3	9.5	83.0	987	26	WNW	17

6	STS	12/03	12	10.0	82.0	984	28	WNW	10
7	STS	12/04	3	11.0	79.5	987	26	WNW	12
8	TD	12/04	8	11.5	78.5	1000	15	WNW	10
9	TD	12/04	12	12.5	77.5	1004	13	NW	12

5. TC = NIN93-3 Name = NO NAME All Points = 4

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	12/19	3	7.5	81.5	1004	13	N	10
2	TD	12/19	12	9.5	81.5	1004	13	N	10
3	TD	12/20	3	10.5	80.0	1000	15	NW	12
4	TD	12/20	12	11.5	79.0	1004	13	NW	10

1993. South Indian Ocean

1. TC = SIN9301 Name = COLINA All Points = 19

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	01/13	21	-10.6	68.7	1000	15	W	3
2	TS	01/14	9	-10.5	68.2	997	19	W	5
3	TS	01/15	0	-10.7	66.1	994	21	W	10
4	TS	01/15	3	-11.9	65.7	994	21	SW	10
5	TS	01/15	12	-11.9	64.2	994	21	W	8
6	STS	01/16	3	-11.7	62.8	980	31	W	8
7	STS	01/16	12	-11.4	63.0	987	26	NE	2
8	TS	01/16	21	-12.6	60.2	994	21	WSW	8
9	STS	01/17	3	-12.9	59.8	987	26	SW	3
10	STS	01/17	12	-13.8	59.7	987	26	S	5
11	T	01/18	3	-15.0	57.8	976	33	SW	12
12	STS	01/18	15	-17.0	57.0	980	31	SSW	10
13	T	01/19	12	-19.9	55.3	958	44	SW	15
14	T	01/20	0	-22.0	55.3	958	44	S	10
15	T	01/20	3	-23.5	55.0	967	38	S	12
16	T	01/20	9	-24.2	55.6	967	38	SE	8
17	TS	01/21	3	-30.7	61.2	991	23	SE	17
18	L	01/21	12	-33.0	64.5	994	21	SE	15
19	L	01/21	21	-35.0	66.0	1000	15	SE	15

2. TC = SIN9302 Name = DESSILIY All Points = 11

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	01/18	0	-15.0	40.0	1000	15	SE	5
2	TS	01/18	3	-15.6	40.6	997	18	SE	5
3	TS	01/19	9	-18.8	40.8	997	18	S	10
4	TS	01/19	21	-20.0	41.2	997	18	SE	8
5	TS	01/20	3	-20.1	41.8	991	23	E	3
6	TS	01/20	9	-20.5	43.3	991	23	E	8
7	TS	01/20	18	-21.5	44.4	994	21	SE	10
8	TS	01/22	12	-27.4	48.6	994	21	SE	17
9	TS	01/23	0	-28.1	49.2	997	18	SE	8
10	TD	01/23	9	-28.7	51.1	1000	15	ESE	10
11	TD	01/23	12	-29.2	50.3	1000	15	SW	7

3. TC = SIN9303 Name = EDVINA All Points = 20

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	01/20	0	-10.0	85.0	1000	15	W	2
2	TS	01/20	3	-10.3	84.6	994	21	SW	3
3	TS	01/20	9	-11.2	85.5	991	23	SE	5
4	TS	01/21	3	-12.6	83.8	991	23	SW	7
5	TS	01/21	9	-12.9	83.1	991	23	SW	3

6	TS	01/21	12	-12.8	83.0	997	18	0	0
7	TS	01/21	15	-13.2	82.2	997	18	SW	7
8	TS	01/22	3	-13.2	80.2	991	23	W	10
9	STS	01/22	21	-13.4	77.4	987	26	W	15
10	T	01/23	12	-13.9	74.0	958	44	WSW	10
11	T	01/24	0	-15.0	75.0	963	41	SE	8
12	T	01/24	12	-14.9	70.2	933	57	W	15
13	T	01/25	6	-15.6	66.0	933	57	W	15
14	T	01/25	12	-15.4	65.4	910	68	W	3
15	T	01/26	12	-18.0	61.6	933	57	SW	17
16	T	01/27	0	-19.5	60.3	958	44	SW	10
17	T	01/27	12	-21.2	59.6	958	44	SSW	12
18	T	01/28	0	-23.0	60.0	958	44	SSW	10
19	T	01/29	0	-30.8	58.5	976	33	SSW	15
20	L	01/29	12	-32.0	57.0	987	26	SW	15

4. TC = SIN9304 Name = LENA All Points = 11

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	01/24	12	-14.0	119.0	1000	15	S	3
2	TS	01/25	0	-15.1	119.2	994	21	S	5
3	STS	01/26	3	-16.1	116.4	980	31	WSW	10
4	STS	01/27	2	-15.6	115.5	987	26	NW	8
5	TD	01/28	0	-16.0	115.0	1000	15	SW	5
6	TS	01/29	0	-16.0	110.0	994	21	W	10
7	TS	01/30	0	-15.0	108.0	997	19	WNW	10
8	TS	01/31	0	-17.0	109.0	994	21	SSE	10
9	TS	02/01	0	-17.5	111.0	994	21	E	12
10	TS	02/02	0	-17.0	116.0	994	21	E	17
11	TD	02/02	12	-18.0	117.0	1000	15	SE	15

5. TC = SIN9305 Name = JONIY All Points = 11

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	03/02	0	-16.0	41.1	1004	13	N	3
2	TD	03/02	21	-14.9	41.0	1000	15	N	5
3	TS	03/03	3	-15.7	41.7	994	21	SE	8
4	TD	03/03	12	-16.5	42.6	1000	15	SE	10
5	TS	03/04	0	-17.2	44.0	997	18	SE	10
6	TD	03/04	9	-19.1	44.2	1000	15	S	12
7	TD	03/05	3	-21.2	46.2	1000	15	SE	10
8	TD	03/05	12	-22.0	48.0	1004	13	ESE	12
9	TD	03/05	21	-25.1	49.0	1000	15	SSE	10
10	TS	03/06	9	-27.0	49.9	997	21	SSE	10
11	TD	03/06	21	-29.0	50.1	1000	15	S	10

6. TC = SIN9306 Name = JOURDANNE All Points = 8

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	04/03	3	-14.4	84.3	1000	15	W	3
2	TS	04/04	0	-14.5	82.0	994	21	W	5
3	STS	04/05	3	-16.9	78.4	984	28	SW	10
4	T	04/06	12	-18.9	75.6	963	41	WSW	12
5	T	04/07	0	-20.0	75.0	963	41	S	10
6	T	04/08	0	-21.0	76.0	963	41	SE	8
7	STS	04/09	0	-20.3	77.7	980	31	ENE	8
8	TD	04/10	0	-21.8	78.8	1004	13	SE	8

7. TC = SIN9307 Name = MONTY All Points = 3

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	04/10	0	-14.6	105.4	1000	15	S	5
2	TS	04/11	3	-16.8	105.5	994	21	S	10
3	TD	04/12	2	-19.0	108.1	1004	13	SE	12

8. TC = SIN9308 Name = RONITA All Points = 7

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	05/03	6	-7.5	71.5	1000	15	SW	5
2	STS	05/04	3	-9.3	68.4	987	26	SW	7
3	T	05/04	9	-10.1	68.6	976	33	S	8
4	T	05/05	3	-10.8	68.5	967	38	S	3
5	T	05/05	9	-11.4	68.7	965	39	S	2
6	STS	05/06	3	-11.5	69.0	984	28	SE	2
7	TD	05/06	12	-12.0	69.5	1000	15	SE	5

9. TC = SIN9309 Name = ALEXINA All Points = 14

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	11/09	12	-8.6	80.3	997	15	S	3
2	TD	11/10	0	-9.7	81.1	995	15	SE	5
3	TS	11/10	12	-10.1	79.6	990	21	WSW	8
4	TS	11/11	6	-12.0	78.8	982	23	SW	10
5	TS	11/11	12	-14.0	79.8	982	23	SSE	12
6	TS	11/12	0	-15.0	79.5	982	23	S	10
7	TS	11/12	6	-14.3	80.3	990	21	NE	10
8	TS	11/12	12	-15.5	80.0	992	21	S	5
9	TS	11/13	0	-16.4	81.2	992	18	SE	8
10	TD	11/13	6	-15.8	80.1	997	15	NW	10
11	TD	11/13	12	-16.2	80.0	997	15	S	6
12	TD	11/14	0	-15.4	79.5	1000	15	NW	10
13	TS	11/14	11	-14.5	80.0	990	21	NNE	5
14	TD	11/14	12	-15.4	79.5	1002	15	SSW	10

10. TC = SIN9310 Name = BETTINA All Points = 8

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	11/26	0	-12.2	82.1	995	15	W	12
2	TS	11/26	12	-12.5	80.5	992	21	WSW	10
3	TS	11/27	6	-14.9	78.2	986	23	SW	10
4	T	11/28	6	-17.5	77.8	976	33	S	8
5	TS	11/29	6	-17.9	74.3	993	23	WSW	6
6	TS	11/29	12	-18.0	73.8	994	21	W	5
7	TS	11/30	6	-18.5	70.5	999	21	WSW	12
8	TD	11/30	11	-18.4	72.2	1002	15	E	12

11. TC = SIN9311 Name = SESILIJ All Points = 19

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	12/12	0	-13.0	82.0	1000	15	W	3
2	TS	12/12	18	-13.9	81.3	995	17	SW	5
3	TS	12/13	0	-14.9	78.8	995	21	WSW	10
4	TS	12/13	12	-16.5	77.2	992	23	SSW	15
5	TS	12/14	6	-15.2	73.5	997	18	WNW	10
6	TS	12/14	12	-15.8	71.8	997	18	WSW	10
7	TD	12/15	0	-16.8	70.0	1000	15	WSW	12
8	TS	12/15	6	-16.0	68.5	997	18	WNW	15
9	TS	12/15	12	-16.0	67.2	994	21	W	8
10	STS	12/16	0	-15.4	65.3	982	28	WNW	10
11	STS	12/16	12	-14.8	63.7	982	28	WNW	12
12	STS	12/17	0	-15.8	62.2	976	31	SW	10
13	T	12/17	12	-16.7	61.1	975	33	SW	8
14	T	12/18	0	-17.0	59.8	970	33	WSW	12
15	STS	12/19	6	-18.1	57.3	986	28	WSW	10
16	TS	12/19	12	-18.3	56.8	997	18	W	8
17	TS	12/20	6	-19.5	54.3	1000	18	WSW	10
18	TD	12/20	12	-19.8	53.8	1000	15	SW	10
19	TD	12/21	6	-21.2	54.2	1005	15	SSE	8

12. TC = SIN9312 Name = NAOMI All Points = 4

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	L	12/15	0	-12.0	121.0	1000	7	S	10
2	TS	12/16	0	-15.4	121.9	997	18	SSE	15
3	T	12/17	0	-18.4	121.5	967	38	S	18
4	TD	12/18	6	-23.5	122.2	1000	15	SSE	18

13. TC = SIN9313 Name = OSCAR All Points = 6

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	L	12/28	0	-12.0	130.0	1006	8	W	10
2	TD	01/01	0	-13.0	123.0	1006	15	WSW	15
3	TS	01/02	3	-14.6	121.2	1002	18	SW	10
4	TS	01/03	0	-17.9	120.3	1000	18	SSW	10
5	TS	01/04	3	-18.3	118.1	998	18	WSW	10
6	TD	01/05	0	-20.5	116.0	1002	15	SW	10

1993. Southwest Pacific Ocean

1. TC = SWP9301 Name = LIN All Points = 13

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	01/31	0	-12.0	-174.0	1000	15	S	5
2	TS	01/31	4	-13.0	-173.4	994	21	SSE	10
3	STS	02/01	3	-16.0	-170.5	980	31	SE	10
4	T	02/01	12	-17.4	-169.0	976	33	SE	12
5	T	02/02	0	-19.4	-167.4	976	33	SE	15
6	T	02/02	12	-21.5	-166.3	976	33	SE	12
7	STS	02/03	0	-22.7	-165.0	980	31	SE	10
8	STS	02/03	6	-21.5	-166.0	984	28	NW	10
9	STS	02/03	12	-22.0	-165.0	987	26	ESE	8
10	STS	02/04	0	-23.5	-166.0	987	26	SW	10
11	TS	02/04	6	-24.0	-166.5	991	23	SW	8
12	TS	02/04	12	-24.8	-166.5	994	21	S	5
13	TD	02/04	18	-25.3	-166.8	1000	15	S	7

2. TC = SWP9302 Name = MIK All Points = 8

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	02/05	5	-16.0	-173.0	1000	15	S	5
2	TS	02/06	6	-18.2	-173.5	994	21	S	10
3	TS	02/07	0	-19.4	-176.2	991	23	WSW	13
4	TS	02/07	6	-19.6	-177.0	991	23	W	10
5	STS	02/08	2	-22.0	-179.8	987	26	SW	15
6	TS	02/08	3	-21.4	179.3	994	21	NW	15
7	TS	02/09	0	-25.5	178.8	994	21	SSW	15
8	TD	02/09	18	-26.5	176.0	1000	15	WSW	12

3. TC = SWP9303 Name = OLIVER All Points = 11

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	02/04	0	-14.0	149.0	1000	15	S	5
2	TS	02/05	2	-15.1	150.3	994	21	SE	7
3	T	02/06	3	-15.5	151.3	972	36	ESE	7
4	T	02/07	2	-16.6	152.1	948	50	SE	5
5	T	02/08	2	-16.6	152.1	948	50	0	0
6	T	02/09	3	-19.3	152.5	948	50	S	15
7	T	02/10	3	-20.2	153.4	948	50	SE	10
8	STS	02/11	2	-20.8	155.1	987	26	ESE	12
9	TS	02/12	3	-22.4	154.8	997	18	SSW	10

10 TS 02/13 0 -23.0 154.0 997 18 SW 7

11 TD 02/13 18 -24.0 153.0 1000 15 SW 7

4. TC = SWP9304 Name = NO NAME All Points = 6

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	02/06	0	-19.5	-140.0	1000	15	S	3
2	TS	02/06	6	-20.0	-141.0	997	18	SW	10
3	TS	02/06	18	-22.0	-143.0	994	21	SW	15
4	TS	02/07	6	-23.0	-145.0	994	21	WSW	15
5	TS	02/07	18	-22.5	-144.5	997	18	NE	10
6	TD	02/09	2	-26.0	-146.0	1000	15	SSW	15

5. TC = SWP9305 Name = NUSHA All Points = 9

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	02/12	5	-13.0	-165.0	1000	15	S	5
2	TD	02/12	18	-15.0	-166.0	1000	15	SSW	10
3	TS	02/13	0	-17.5	-163.5	997	18	SE	15
4	TS	02/13	3	-18.0	-163.5	991	23	S	5
5	STS	02/13	12	-18.7	-162.2	987	26	SE	10
6	STS	02/14	6	-20.5	-159.0	984	28	SE	17
7	STS	02/14	12	-21.3	-157.5	980	31	SE	13
8	TS	02/15	0	-23.0	-156.0	997	18	SE	13
9	TD	02/15	12	-24.0	-155.0	1000	15	SE	10

6. TC = SWP9306 Name = OLI All Points = 7

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	02/16	0	-15.0	176.0	1000	15	S	5
2	TS	02/16	6	-16.5	176.5	994	21	SSE	10
3	TS	02/17	0	-19.8	178.2	991	23	SE	15
4	TS	02/17	6	-21.0	179.5	994	21	SE	15
5	TS	02/17	12	-21.0	-179.8	994	21	SE	15
6	TS	02/18	0	-24.3	-178.5	994	21	SE	15
7	TD	02/18	12	-25.3	-177.5	1000	15	SE	10

7. TC = SWP9307 Name = POLLY All Points = 16

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	02/25	0	-15.0	157.0	1000	15	S	5
2	TS	02/25	3	-16.0	158.0	997	18	SE	12
3	TS	02/25	12	-16.5	158.3	991	23	SE	3
4	STS	02/26	0	-17.6	158.9	984	28	SSE	10
5	T	02/26	6	-18.0	159.0	976	33	S	3
6	T	02/26	12	-18.0	159.1	976	33	0	0
7	T	02/27	0	-18.4	159.4	972	36	SE	3
8	T	02/27	12	-18.4	159.8	967	38	0	0
9	T	02/28	0	-18.6	160.0	967	38	SE	3
10	T	03/01	0	-20.6	160.2	954	46	S	10
11	T	03/01	12	-22.3	162.2	954	46	SE	15
12	T	03/02	0	-25.4	166.8	958	44	SE	17
13	T	03/02	6	-25.6	167.3	963	41	E	10
14	T	03/02	12	-26.0	168.0	972	36	SE	10
15	STS	03/02	18	-26.5	168.5	987	26	SE	7
16	TD	03/03	0	-27.0	169.0	1000	15	SE	5

8. TC = SWP9308 Name = RODJER All Points = 15

N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
1	TD	03/12	12	-12.0	157.0	1000	15	S	7
2	TS	03/13	0	-15.0	155.0	997	18	SW	12
3	TS	03/14	0	-15.0	156.0	991	23	E	7
4	STS	03/15	0	-18.0	155.0	987	26	SSW	15
5	STS	03/16	0	-22.0	156.0	984	28	SSE	17

6	STS	03/16	12	-23.0	157.0	987	26	SE	8	13	T	03/31	0	-21.9	169.9	958	44	ESE	12
7	TS	03/17	5	-25.0	155.8	991	23	SSW	10	14	T	03/31	6	-22.9	171.6	963	41	ESE	15
8	TS	03/18	6	-23.0	157.2	991	23	NE	10	15	STS	03/31	12	-23.5	172.0	980	31	SE	8
9	STS	03/19	0	-21.8	158.3	987	26	NE	8	16	TS	03/31	18	-24.0	173.0	994	21	ESE	10
10	TS	03/19	12	-21.1	160.0	991	23	ENE	10	17	TD	04/01	0	-25.0	175.0	1000	15	ESE	15
11	TS	03/20	0	-19.8	159.5	997	18	NNW	12	10. TC = SWP9310 Name = REWA All Points = 16									
12	STS	03/20	12	-20.4	159.4	987	26	S	5	N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel
13	TS	03/21	6	-21.8	162.7	991	23	ESE	12	1	TD	12/29	0	-10.0	161.0	1000	15	S	5
14	TS	03/21	12	-22.0	163.5	997	18	SE	8	2	TS	12/29	3	-10.9	160.9	994	21	S	10
15	TD	03/21	18	-22.5	164.5	1000	15	ESE	10	3	TS	12/29	6	-9.8	161.5	994	21	NE	10
9. TC = SWP9309 Name = PREMA All Points = 17										4	STS	12/30	2	-11.3	156.7	987	26	WSW	17
N	Stage	Date	Time	Lat	Long	Pres	Wind	Shift	Vel	5	T	12/30	6	-11.3	156.3	976	33	0	0
1	TD	03/26	0	-11.0	173.0	1000	15	SW	3	6	T	12/31	2	-12.3	153.3	972	37	WSW	10
2	TS	03/26	6	-11.8	172.5	997	18	SW	5	7	T	01/01	2	-13.4	152.5	972	37	SW	10
3	TS	03/26	18	-13.0	172.5	997	18	S	10	8	T	01/02	3	-15.8	153.6	950	50	SSE	10
4	TS	03/27	3	-14.0	171.8	997	18	SW	10	9	T	01/03	0	-19.1	154.3	942	57	SSE	15
5	TS	03/27	6	-14.6	171.5	991	23	SW	8	10	T	01/04	3	-21.6	157.9	945	49	ESE	15
6	STS	03/28	0	-14.8	171.0	984	28	SW	5	11	T	01/04	6	-21.7	158.9	945	44	E	12
7	T	03/28	12	-15.4	170.5	972	36	SW	5	12	T	01/04	12	-21.8	160.5	955	41	E	10
8	T	03/29	0	-15.8	169.5	963	41	WSW	7	13	T	01/05	0	-22.0	162.8	965	36	E	10
9	T	03/29	12	-16.8	168.7	958	44	SW	8	14	T	01/05	6	-22.0	164.2	970	33	E	12
10	T	03/30	0	-18.6	167.8	943	51	SSW	10	15	TS	01/06	6	-21.6	167.5	990	23	ENE	10
11	T	03/30	6	-19.5	167.5	943	51	S	12	16	TD	01/07	0	-20.8	168.1	1000	13	ENE	12
12	T	03/30	12	-20.5	167.7	954	46	S	10										