6. TROPICAL CYCLONE WARNING VERIFICATION STATISTICS

6.1 GENERAL

Due to the rapid growth of micro-computers in the meteorological community, tropical cyclone track data (with best track, initial warning, 12-, 24-, 36-, 48-, and 72-hour JTWC forecasts) and fix data (satellite, aircraft, radar and synoptic) are now available as computer files separately upon request. The data will be in ASCII format and can be copied to 3.5 inch diskettes, and will fill two diskettes (or one high density diskette). These data include the western North Pacific Ocean (1 January - 31 December 1995) on one and North Indian Ocean (1 January - 31 December 1995), and western South Pacific and South Indian Oceans (1 July 1994 - 30 June 1995) on the other. Agencies or individuals desiring these data sets should send the appropriate number of diskettes to NAVPACMETOCCEN WEST/JTWC Guam with their request. When the request and your diskettes are received, the data will be copied onto your diskettes and returned with an explanation of the data formats.

6.2 WARNING VERIFICATION STATISTICS

6.2.1 WESTERN NORTH PACIFIC — This section includes verification statistics for each JTWC tropical cyclone warning in the western North Pacific Ocean during 1995.

JTWC BEST TRACK, FORECAST TRACK AND INTENSITY ERRORS BY WARNING

TROPICAL DEPRESSION 01W

	WRN	BEST TRACK			POSITION ERRORS(NM)						WIND ERRORS(KT)					
DTG	NO.	LAT	LONG	WIND (KT)	00	12	24	36	48	72	00	12	24	36	48	72
95010412		3.9N	171.0W	20												
95010418		4.2N	171.7W	20												
95010500		4.7N	172.4W	25												
95010506		5.0N	173.0W	25												
95010512		5.2N	173.6W	25												
95010518		5.4N	174.4W	20												
95010600		5.6N	175.4W	20												
95010606		5.8N	176.4W	20												
95010612		6.0N	177.5W	25												
95010618		6.2N	178.5W	25												
95010700		6.4N	179.5W	25												
95010706		6.7N	179.5E	25												
95010712		7.0N	178.5E	25												
95010718		7.4N	177.6E	30												
95010800		7.9N	176.6E	30												
95010806	1	8.6N	175.6E	30	21	48	50				0	10	20			
95010812	2	9.3N	174.6E	25	31	38					0	10				
95010818	3	9.9N	173.4E	20	26	95					5	10				
95010806		8.6N	175.6E	30												
95010812		9.3N	174.6E	25												
95010818		9.9N	173.4E	20												
95010900		10.2N	172.1E	15												
95010906		10.3N	170.9E	15												
			AVERAGE		27	61	50				2	10	20			
			# CASES		3	3	1				3	3	1			

TROPICAL STORM CHUCK (02W)

DTG	WRN NO.	BEST TRACK LAT	LONG	WIND (KT)	POSITION ERRORS(NM) 00	12	24	36	48	72	WIND ERRORS(KT) 00	12	24	36	48	72
95042300		5.5N	169.0E	15												
95042306		5.5N	168.9E	15												
95042312		5.5N	168.8E	15												
95042318		5.5N	168.7E	15												
95042400		5.4N	168.6E	15												
95042406		5.4N	168.5E	15												
95042412		5.4N	168.4E	15												
95042418		5.3N	168.3E	15												
95042500		5.3N	168.2E	15												
95042506		5.3N	168.0E	15												
95042512		5.2N	167.8E	15												
95042518		5.2N	167.6E	15												
95042600		5.2N	167.4E	20												
95042606		5.1N	167.0E	20												
95042612		5.0N	166.7E	20												
95042618		5.0N	166.3E	20												
95042700		5.1N	165.8E	25												
95042706		5.1N	165.3E	25												
95042712		5.2N	164.7E	25												
95042718		5.3N	164.4E	25												
95042800		5.4N	164.2E	25												
95042806	1	5.4N	164.0E	25	124	155	182	194	201	211	5	5	5	15	25	40
95042812	2	5.5N	163.8E	25	168	193	202	212	222	182	5	0	10	20	30	45
95042818	3	5.6N	163.6E	30	192	228	245	258	269	219	0	-5	0	10	25	45
95042900	4	5.7N	163.4E	35	161	157	180	210	245	234	0	0	5	15	25	40
95042906	5	5.7N	163.2E	35	148	176	219	266	295	313	0	0	5	15	25	40
95042912	6	5.8N	163.1E	35	148	157	177	200	207	251	0	0	10	20	25	35
95042918	7	5.8N	162.9E	35	176	186	199	191	155	131	0	0	10	20	25	35
95043000	8	5.9N	162.7E	35	37	43	60	80	146	262	0	5	10	15	20	30
95043006	9	5.9N	162.5E	35	41	43	36	85	163		0	5	10	10	15	
95043012	10	6.0N	162.3E	30	35	26	26	108	192		0	10	10	10	15	
95043018	11	6.0N	162.1E	30	24	13	83	174	247		0	10	10	10	15	
95050100	12	6.2N	161.8E	25	47	127					0	-5				
95050506		13.9N	149.3E	20												
95050512		14.3N	147.8E	20												
95050518		14.7N	146.1E	15												
95050600		15.0N	144.2E	15												
		AVERAGE			109	126	147	180	213	226	1	4	8	15	22	39
		# CASES			12	12	11	11	11	8	12	12	11	11	11	8

TROPICAL STORM DEANNA (03W)

DTG	WRN NO.	BEST TRACK LAT	LONG	WIND (KT)	POSITION ERRORS(NM) 00	12	24	36	48	72	WIND ERRORS(KT) 00	12	24	36	48	72
95052800		7.3N	149.8E	15												
95052806		8.2N	148.8E	20												
95052812		8.8N	147.8E	20												
95052818		9.1N	146.6E	20												
95052900		9.5N	145.4E	20												
95052906		9.7N	144.3E	20												
95052912		9.8N	142.8E	20												
95052918		9.7N	141.4E	20												
95053000		9.5N	139.7E	20												
95053006		9.3N	138.4E	20												
95053012		9.0N	137.1E	20												
95053018		8.8N	135.8E	20												
95053100		8.6N	134.3E	20												
95053106		8.8N	132.9E	20												
95053112		9.1N	131.2E	20												
95053118		9.3N	130.0E	20												
95060100		9.8N	128.8E	25												
95060106		10.2N	127.7E	25												
95060112		10.7N	126.8E	25												
95060118	1	11.5N	125.3E	25	46	62	76	47	41	441	0	-5	-15	-25	-20	-15
95060200	2	12.2N	123.9E	30	26	37	41	25	88	405	0	-5	-15	-20	-15	-15
95060206	3	12.7N	122.8E	30	42	114	180	236	337	513	0	-5	-5	0	5	-15
95060212	4	13.1N	121.8E	35	21	64	114	133	240	376	0	-5	-5	5	5	5
95060218	5	13.4N	120.7E	40	37	74	77	74	182	234	-5	-15	-10	0	0	0
95060300	6	13.7N	119.8E	45	0	26	80	227	258	258	-10	-10	0	0	0	0

TROPICAL STORM DEANNA (03W) (CONTINUED)

95060306	7	13.9N	119.1E	50	11	18	161	278	258	233	-10	-5	5	10	5	5
95060312	8	14.2N	118.5E	50	5	90	269	309	262	196	-5	5	10	10	10	5
95060318	9	14.9N	118.0E	50	37	183	318	284	239	185	-5	5	10	5	5	0
95060400	10	16.0N	118.1E	45	71	219	239	176	174	183	0	5	10	10	5	0
95060406	11	17.4N	118.8E	45	8	45	58	178	303	452	0	5	5	5	0	-5
95060412	12	18.7N	119.5E	45	12	48	189	328	499	667	0	5	10	5	0	-5
95060418	13	19.4N	119.9E	45	18	107	238	373	508	635	0	5	5	0	-5	-5
95060500	14	19.2N	120.1E	45	8	134	245	398	493	544	0	10	10	5	0	0
95060506	15	19.1N	119.6E	45	8	86	197	323	383	448	0	10	10	10	5	0
95060512	16	18.9N	119.3E	40	24	95	223	311	352	372	5	10	10	10	5	0
95060518	17	18.7N	119.1E	40	107	167	246	252	312	258	5	10	10	10	10	0
95060600	18	18.5N	118.9E	40	17	70	87	82	86	73	0	5	5	5	0	-10
95060606	19	18.4N	118.5E	40	12	54	40	28	39	304	0	5	5	10	0	-10
95060612	20	18.3N	118.0E	40	53	63	48	47	88	525	0	0	5	10	5	0
95060618	21	18.6N	117.6E	40	22	43	92	161	298	973	0	0	0	0	0	-5
95060700	22	19.1N	117.6E	40	28	43	105	199	332		0	0	5	5	0	
95060706	23	19.7N	117.8E	40	6	45	95	227	471		0	5	5	5	-5	
95060712	24	20.3N	118.0E	40	21	82	183	353	617		-5	0	-5	-5	-10	
95060718	25	21.0N	118.3E	35	5	27	57	283	538		0	0	-5	-10	-10	
95060800	26	21.8N	118.8E	35	12	47	185	458			-5	-5	-5	-10		
95060806	27	22.7N	119.2E	35	5	99	347	650			-5	-5	-5	-10		
95060812	28	23.7N	120.6E	35	30	190	457				-5	-10	-15			
95060818	29	24.7N	122.0E	35	84	326	618				-5	-15	-15			
95060900	30	26.2N	124.4E	35	10	89					-10	-15				
95060906		28.0N	127.7E	35												
95060912		29.2N	130.9E	35												
95060918		30.3N	135.5E	35												
		AVERAGE			27	92	182	239	296	395	3	6	8	7	5	5
		# CASES			30	30	29	27	25	21	30	30	29	27	25	21

TROPICAL STORM ELI (04W)

	WRN	BEST TRACK			POSITION ERRORS(NM)						WIND ERRORS(KT)					
DTG	NO.	LAT	LONG	WIND (KT)	00	12	24	36	48	72	00	12	24	36	48	72
95053000		5.2N	155.5E	15												
95053006		5.5N	155.4E	15												
95053012		5.8N	155.3E	15												
95053018		6.1N	155.2E	15												
95053100		6.4N	154.9E	15												
95053106		6.6N	154.5E	15												
95053112		6.7N	154.0E	15												
95053118		6.7N	153.4E	15												
95060100		6.8N	152.8E	15												
95060106		6.9N	152.2E	15												
95060112		7.1N	151.5E	20												
95060118		7.4N	150.9E	20												
95060200		8.0N	150.3E	20												
95060206		8.7N	149.9E	20												
95060212		9.5N	149.5E	20												
95060218		10.3N	148.9E	20												
95060300		11.0N	148.2E	20												
95060306		11.7N	147.5E	25												
95060312		12.2N	146.6E	25												
95060318		12.6N	145.7E	30												
95060400		13.0N	144.8E	35												
95060406	1	13.3N	143.8E	40	61	99	145	169			-10	-10	-5	-5		
95060412		13.5N	142.8E	40												
95060418	2	13.7N	141.8E	40	102	181	233	252			-10	-5	-5	-5		
95060500		14.0N	140.8E	40												
95060506	3	14.4N	139.8E	35	55	69	145	243			-5	-5	-5	-5		
95060512		14.9N	138.9E	35												
95060518	4	15.6N	138.1E	35	45	12	28	41			-5	-5	-5	-5		
95060600		16.4N	137.6E	35												
95060606	5	17.2N	137.3E	35	24	53	111	147	166	429	-5	0	5	10	10	10
95060612	6	17.8N	137.2E	35	64	87	124	138	114		-5	0	5	15	10	
95060618	7	18.3N	137.2E	35	36	62	66	36	54		-5	-5	0	5	5	
95060700	8	18.8N	137.3E	35	11	21	37	108	252		0	0	10	15	15	
95060706	9	19.2N	137.3E	35	12	24	71	180	380		0	0	10	15	15	
95060712	10	19.6N	137.3E	35	24	55	102	218			0	10	10	10		
95060718	11	20.1N	137.2E	35	30	62	116	252			0	5	0	5		
95060800	12	20.8N	137.2E	30	42	115	258				0	0	0			
95060806	13	21.7N	137.3E	30	16	18					0	-5				
95060812		22.8N	137.7E	30												

TROPICAL STORM ELI (04W) (CONTINUED)

DTG	LAT	LONG	WIND
95060818	24.1N	138.5E	30
95060900	25.7N	139.7E	30
95060906	27.9N	141.5E	25

	00	12	24	36	48	72	00	12	24	36	48	72
AVERAGE	41	66	120	163	194	429	3	4	5	9	11	10
# CASES	13	13	12	11	5	1	13	13	12	11	5	1

TYPHOON FAYE (05W)

DTG	WRN NO.	BEST TRACK LAT	LONG	WIND (KT)	POSITION ERRORS(NM) 00	12	24	36	48	72	WIND ERRORS(KT) 00	12	24	36	48	72
95071206		6.2N	155.5E	15												
95071212		6.0N	154.5E	15												
95071218		5.9N	153.4E	15												
95071300		5.9N	152.2E	15												
95071306		6.0N	150.9E	15												
95071312		6.4N	149.6E	20												
95071318		7.0N	148.5E	20												
95071400		7.6N	147.3E	20												
95071406		8.3N	146.2E	20												
95071412		9.2N	145.1E	20												
95071418		10.1N	144.2E	20												
95071500		11.1N	143.5E	25												
95071506		12.2N	142.8E	25												
95071512		13.0N	142.3E	25												
95071518		14.0N	142.0E	25												
95071600	1	14.9N	141.8E	25	5	47	58	65	92	49	0	-5	-5	-10	-10	-30
95071606	2	16.0N	141.6E	25	11	16	30	30	39	76	0	-5	-5	-10	-15	-30
95071612	3	16.7N	141.4E	30	12	37	65	94	156	351	-5	-5	-5	-10	-25	-45
95071618	4	17.3N	141.0E	30	31	64	71	126	222	433	0	0	0	-10	-30	-50
95071700	5	17.7N	140.5E	35	16	37	49	104	147	284	-5	-5	-5	-15	-20	-35
95071706	6	18.0N	139.9E	35	26	37	62	112	152	296	0	-5	-5	-10	-15	-40
95071712	7	18.2N	139.5E	40	21	49	108	168	230	398	-5	-5	-10	-15	-20	-45
95071718	8	18.5N	139.1E	40	24	79	148	189	263	447	0	-5	-10	-10	-20	-45
95071800	9	18.8N	138.5E	45	8	59	73	98	156	298	0	0	-5	-5	-10	-20
95071806	10	19.2N	137.6E	50	24	36	42	43	82	171	5	0	5	0	-10	-20
95071812	11	19.4N	136.7E	55	23	36	66	105	153	214	0	0	5	-5	-10	-25
95071818	12	19.7N	135.9E	60	39	49	82	153	211	239	-5	0	-5	-10	-10	-20
95071900	13	19.9N	135.2E	65	17	18	42	89	137	197	-5	-5	-10	-15	-15	-20
95071906	14	20.2N	134.6E	65	5	28	90	115	164	159	-5	-10	-20	-20	-25	-25
95071912	15	20.6N	133.6E	70	20	45	78	103	133	170	-5	-10	-15	-15	-20	-20
95071918	16	21.0N	132.8E	75	17	65	95	132	153	234	-10	-15	-15	-20	-20	-20
95072000	17	21.6N	131.8E	80	21	69	98	107	132	343	-10	-20	-20	-25	-20	-20
95072006	18	22.3N	130.6E	85	13	26	42	39	65	383	-5	-5	-15	-15	-15	-10
95072012	19	22.9N	129.7E	90	0	29	34	66	133	475	-15	-15	-20	-15	-25	-5
95072018	20	23.6N	128.8E	90	8	29	31	65	177	527	-15	-20	-20	-20	-25	5
95072100	21	24.2N	128.0E	95	8	16	32	118	247	619	-20	-25	-20	-20	-25	10
95072106	22	24.9N	127.2E	100	0	29	89	164	253	514	-25	-25	-25	-20	-20	15
95072112	23	25.4N	126.8E	105	12	22	113	202	318	579	-15	-5	-10	-20	5	15
95072118	24	26.3N	126.3E	105	8	37	133	212	288	542	-15	-10	-25	-20	0	0
95072200	25	27.2N	126.2E	105	0	58	116	217	304	510	-10	-5	-5	20	15	15
95072206	26	28.1N	126.5E	105	6	59	164	243	331	528	-10	-10	-15	10	10	10
95072212	27	29.3N	127.1E	105	23	136	325	412	439		-10	-20	10	15	20	
95072218	28	30.7N	127.6E	105	0	69	138	156	193		-15	-10	20	25	20	
95072300	29	32.3N	127.8E	105	0	59	88	137	173		-15	15	25	30	25	
95072306	30	34.5N	127.9E	95	4	31	67	166	274		-10	20	25	20	10	
95072312	31	36.3N	128.0E	70	33	44	146	310			10	15	20	15		
95072318	32	37.9N	128.9E	60	48	37	126	304			5	10	5	10		
95072400	33	39.4N	130.9E	55	61	42	31				0	5	0			
95072406	34	40.6N	133.2E	45	11	51	148				0	-5	-5			
95072412	35	41.7N	135.7E	40	39	148					0	0				
95072418	36	42.6N	138.5E	40	105	142					-10					
95072500		43.2N	141.3E	35												
95072506		43.9N	144.7E	30												

	00	12	24	36	48	72	00	12	24	36	48	72
AVERAGE	20	51	91	146	194	348	7	9	12	15	17	23
# CASES	36	36	34	32	30	26	36	36	34	32	30	26

TROPICAL STORM 06W

DTG	WRN NO.	BEST TRACK LAT	LONG	WIND (KT)	POSITION ERRORS(NM) 00	12	24	36	48	72	WIND ERRORS(KT) 00	12	24	36	48	72
95072506		15.1N	133.2E	20												
95072512		15.5N	132.3E	20												
95072518		15.8N	131.3E	20												
95072600		16.3N	129.3E	20												
95072606		16.3N	127.6E	20												
95072612		16.3N	125.8E	20												
95072618	1	16.3N	124.4E	25	43	36	169	321			0	0	-10	-10		
95072700		16.5N	123.5E	25												
95072706	2	16.6N	121.8E	25	29	103	241	339	393		0	-5	-10	0	10	
95072712	3	16.7N	121.7E	30	17	47	85	78			0	-5	-5	5		
95072718	4	17.0N	122.1E	30	34	86	88	66			0	-5	0	10		
95072800	5	17.3N	122.4E	35	34	8	29				-5	-5	0			
95072806	6	17.6N	122.7E	35	5	16	56				-5	0	5			
95072812	7	18.0N	122.7E	35	16	51					-5	0				
95072818	8	18.5N	122.5E	30	24	63					0	5				
95072900	9	18.8N	122.2E	30	0						0					
95072906	10	18.9N	121.7E	25	0						-5					
		AVERAGE			21	52	112	202	393		2	3	5	6	10	
		# CASES			10	8	6	4	1		10	8	6	4	1	

TYPHOON GARY (07W)

DTG	WRN NO.	BEST TRACK LAT	LONG	WIND (KT)	POSITION ERRORS(NM) 00	12	24	36	48	72	WIND ERRORS(KT) 00	12	24	36	48	72
95072706		18.5N	120.0E	20												
95072712		18.5N	120.0E	20												
95072718		18.5N	120.0E	25												
95072800		18.2N	120.0E	30												
95072806		18.2N	119.7E	30												
95072812		18.3N	119.5E	35												
95072818		18.3N	119.3E	35												
95072900	1	18.3N	119.1E	40	46	30	45	64			-15	-20	-30	-35		
95072906	2	18.6N	118.6E	45	42	47	50	17	102		-15	-20	-20	-10	10	
95072912	3	18.8N	118.3E	50	16	34	23	98	156		-10	-15	-10	0	30	
95072918	4	19.0N	118.0E	55	6	24	23	108	159		-15	-20	-10	10	45	
95073000	5	19.1N	117.7E	60	12	34	126	194			-15	-15	-10	25		
95073006	6	19.5N	117.5E	65	18	96	207	244			-15	-10	10	40		
95073012	7	20.2N	117.4E	65	28	103	110				-15	-10	25			
95073018	8	21.2N	117.3E	65	0	49	81				-10	10	15			
95073100	9	22.8N	117.0E	65	24	34					-5	5				
95073106	10	23.9N	116.9E	55	13	68					0	10				
95073112	11	24.8N	116.9E	40	60						0					
95073118	12	25.8N	116.9E	25	66						10					
		AVERAGE			28	52	84	121	140		10	14	16	20	28	
		# CASES			12	10	8	6	3		12	10	8	6	3	

TYPHOON HELEN (08W)

DTG	WRN NO.	BEST TRACK LAT	LONG	WIND (KT)	POSITION ERRORS(NM) 00	12	24	36	48	72	WIND ERRORS(KT) 00	12	24	36	48	72
95080300		12.0N	145.3E	15												
95080306		12.2N	144.6E	15												
95080312		12.4N	143.9E	15												
95080318		12.6N	143.3E	20												
95080400		12.9N	142.8E	20												
95080406		13.1N	142.2E	15												
95080412		13.2N	141.6E	15												
95080418		13.3N	141.0E	15												
95080500		13.4N	140.4E	15												
95080506		13.5N	139.8E	15												
95080512		13.6N	139.0E	15												
95080518		13.8N	138.4E	20												
95080600		14.0N	137.6E	20												
95080606		14.1N	136.8E	20												
95080612		14.3N	135.7E	20												
95080618		14.5N	134.5E	20												
95080700	1	14.6N	133.2E	25	84	83	74	154			0	-5	-5	0		

TYPHOON HELEN (08W) (CONTINUED)

95080706	2	14.7N	131.8E	25	34	112	216	247	229	121	0	-5	0	5	10	10
95080712	3	15.1N	130.3E	30	54	157	241	224	212	82	-5	0	10	15	25	20
95080718	4	16.0N	129.1E	30	118	220	243	224	180	18	0	5	15	20	20	30
95080800	5	17.2N	128.2E	30	170	268	273	294	247	185	0	5	5	10	15	0
95080806	6	18.3N	127.3E	30	29	62	133	166	210	200	0	0	0	0	0	-5
95080812	7	19.0N	125.9E	30	52	85	140	169	179	74	0	-5	0	0	0	-5
95080818	8	19.1N	124.8E	30	73	152	185	206	218	108	0	0	-5	-5	-5	-10
95080900	9	19.1N	123.5E	35	24	75	122	150	139	12	0	0	0	0	-5	-15
95080906	10	19.1N	121.7E	35	18	49	106	156	139	99	5	0	0	0	-5	-10
95080912	11	19.1N	120.4E	35	18	55	93	87	102	216	5	5	5	0	0	10
95080918	12	18.9N	119.4E	40	12	62	98	79	83	166	0	-5	-5	-10	-10	0
95081000	13	18.5N	118.4E	40	42	88	103	112	117		0	-5	-10	-10	-40	
95081006	14	18.3N	117.8E	45	55	70	111	185	213		-5	-5	-15	-15	-20	
95081012	15	18.2N	117.2E	45	11	43	135	206	285		0	-10	-15	-20	15	
95081018	16	18.3N	116.4E	50	8	75	98	102	107		-5	-10	-15	5	0	
95081100	17	19.0N	115.9E	55	6	20	28	32	86		-5	-5	-15	-5	-5	
95081106	18	19.8N	115.5E	60	16	45	60	48			0	0	-5	0		
95081112	19	20.7N	115.1E	60	5	18	30	30			0	-5	10	5		
95081118	20	21.6N	114.8E	65	8	22	44				-5	-5	5			
95081200	21	22.4N	114.6E	70	8	13	32				-10	10	10			
95081206	22	23.3N	114.5E	50	12	30					-5	0				
95081212	23	24.2N	114.5E	35	8	57					0	0				
95081218		25.1N	114.7E	30												
95081300		26.0N	115.2E	25												
			AVERAGE		38	81	123	152	172	117	2	4	7	7	11	10
			# CASES		23	23	21	19	16	11	23	23	21	19	16	11

TROPICAL STORM IRVING (09W)

	WRN	BEST TRACK			POSITION ERRORS(NM)						WIND ERRORS(KT)					
DTG	NO.	LAT	LONG	WIND (KT)	00	12	24	36	48	72	00	12	24	36	48	72
95081306		11.6N	124.0E	15												
95081312		12.0N	123.3E	15												
95081318		12.4N	122.5E	15												
95081400		12.7N	121.5E	15												
95081406		12.8N	120.4E	15												
95081412		12.9N	119.5E	15												
95081418		13.0N	118.7E	15												
95081500		13.1N	118.0E	15												
95081506		13.2N	117.4E	15												
95081512		13.3N	116.8E	15												
95081518		13.4N	116.2E	15												
95081600		13.6N	115.5E	15												
95081606		14.0N	114.8E	15												
95081612		14.5N	114.1E	15												
95081618		15.0N	113.5E	20												
95081700		15.6N	113.0E	25												
95081706	1	16.2N	112.7E	30	56	103	154	185	193	261	-5	-10	-10	-10	-10	20
95081712	2	16.8N	112.5E	35	18	32	33	43	20	68	0	5	5	-5	0	20
95081718	3	17.4N	112.4E	35	21	29	34	80	133	165	0	0	0	-5	5	5
95081800	4	17.9N	112.3E	40	11	16	54	108	139	153	-5	-5	-5	0	10	10
95081806	5	18.4N	112.2E	45	5	24	82	145	181		0	0	0	15	0	
95081812	6	18.8N	112.1E	50	12	46	104	151	170		0	-5	5	5	-10	
95081818	7	19.2N	111.9E	55	18	70	132	157	171		0	0	15	10	-5	
95081900	8	19.5N	111.5E	60	18	52	84	94	104		0	10	15	10	0	
95081906	9	19.8N	111.0E	60	12	28	45	71			0	5	5	5		
95081912	10	20.1N	110.4E	55	17	41	71	123			0	5	5	10		
95081918	11	20.5N	109.8E	50	13	43	69				0	0	5			
95082000	12	21.0N	109.3E	45	11	39	62				0	0	0			
95082006	13	21.6N	108.9E	40	61	137					0	0				
95082012	14	22.2N	108.5E	35	37	65					0	5				
95082018	15	22.9N	108.1E	30	44						0					
95082100		23.7N	107.7E	25												
			AVERAGE		24	52	77	116	140	162	1	4	6	8	5	14
			# CASES		15	14	12	10	8	4	15	14	12	10	8	4

TROPICAL STORM JANIS (10W)

DTG	WRN NO.	BEST TRACK LAT	LONG	WIND (KT)	POSITION ERRORS(NM) 00	12	24	36	48	72	WIND ERRORS(KT) 00	12	24	36	48	72
95081700		12.0N	144.0E	15												
95081706		14.3N	143.7E	15												
95081712		15.9N	143.1E	15												
95081718		17.1N	142.3E	15												
95081800		18.0N	141.2E	15												
95081806		18.5N	140.2E	15												
95081812		18.8N	139.0E	15												
95081818		19.2N	137.8E	15												
95081900		19.6N	136.5E	20												
95081906		19.9N	135.3E	20												
95081912		20.2N	133.9E	20												
95081918		20.4N	132.8E	20												
95082000		20.6N	131.7E	20												
95082006		20.5N	130.6E	25												
95082012		20.5N	130.0E	25												
95082018		20.4N	129.5E	25												
95082100		20.2N	129.1E	30												
95082106		20.2N	129.5E	30												
95082112	1	20.2N	129.9E	35	11	73	114	117	158	154	-10	-10	0	10	30	35
95082118	2	20.3N	130.3E	40	41	96	81	112	129	185	-5	0	10	25	35	45
95082200	3	20.6N	130.6E	45	22	65	82	162	160	226	-5	5	15	35	35	50
95082206	4	21.2N	130.5E	45	30	76	207	243	240	264	0	10	25	30	40	55
95082212	5	21.8N	130.1E	45	79	228	385	390	365	312	0	10	30	30	35	70
95082218	6	22.4N	129.1E	45	97	231	279	275	293	272	0	15	25	25	35	70
95082300	7	23.5N	127.8E	45	0	78	92	108	149	144	-5	10	5	0	15	35
95082306	8	24.5N	126.2E	40	26	41	49	70	99	247	0	5	0	0	20	20
95082312	9	25.4N	124.9E	35	49	41	56	95	84	150	5	0	0	15	30	15
95082318	10	25.9N	124.2E	40	28	6	28	31	13	218	5	5	10	20	30	25
95082400	11	26.3N	123.4E	45	8	52	82	95	117	306	0	-10	-15	-5	-10	-10
95082406	12	26.9N	122.7E	50	24	73	82	66	156	349	-5	-5	-5	0	-15	-10
95082412	13	27.5N	122.1E	55	17	48	102	171	243	372	0	15	30	20	5	5
95082418	14	28.0N	121.4E	55	36	42	50	115	129	266	-5	0	5	-5	-5	-10
95082500	15	28.8N	121.0E	50	24	59	95	135	94	189	-5	5	-5	-15	-5	-15
95082506	16	29.8N	120.8E	45	5	38	84	108	119	274	-5	5	-10	-5	-10	-15
95082512	17	31.1N	121.0E	35	30	67	117	91	91	218	5	0	-15	-5	-10	-15
95082518	18	32.4N	121.4E	35	43	102	73	66	60		5	-5	-5	-10	-10	
95082600	19	34.1N	122.4E	40	11	35	103	169	135		5	-5	0	-5	-10	
95082606	20	35.7N	123.7E	45	39	55	118	97	83		5	5	0	-5	-10	
95082612	21	36.9N	125.7E	50	23	84	163	113	140		0	5	0	-5	-10	
95082618	22	37.7N	127.6E	40	27	99	78	68			0	0	-5	-5		
95082700		38.2N	129.7E	40												
95082706		38.3N	132.5E	40												
95082712		38.9N	135.6E	40												
95082718		39.9N	138.6E	40												
95082800		40.7N	141.8E	40												
95082806		40.9N	145.9E	40												
95082812		41.1N	151.4E	40												
95082818		41.0N	157.0E	40												
95082900		41.1N	162.4E	35												
95082906		42.0N	167.0E	35												
95082912		42.8N	171.3E	35												
95082918		44.0N	174.0E	35												
95083000		45.0N	176.0E	30												
		AVERAGE			31	77	115	132	146	244	3	6	10	13	19	29
		# CASES			22	22	22	22	21	17	22	22	22	22	21	17

TROPICAL DEPRESSION 11W

DTG	WRN NO.	BEST TRACK LAT	LONG	WIND (KT)	POSITION ERRORS(NM) 00	12	24	36	48	72	WIND ERRORS(KT) 00	12	24	36	48	72
95082100		23.2N	130.1E	15												
95082106		23.4N	129.0E	15												
95082112		23.8N	128.0E	20												
95082118		24.2N	127.1E	20												
95082200		24.6N	126.2E	25												
95082206		24.9N	125.6E	25												
95082212		25.2N	125.0E	25												
95082218		25.0N	124.3E	25												
95082300		23.5N	125.9E	20												

TROPICAL DEPRESSION 11W (CONTINUED)

95082306		24.5N	126.2E	20												
95082212	1	25.2N	125.0E	25	6	121					0	5				
95082218		25.0N	124.3E	25												
95082300	2	23.5N	125.9E	20	112						5					
95082306		24.5N	126.2E	20												
AVERAGE					59	121						3	5			
# CASES					2	1					2	1				

SUPER TYPHOON KENT (12W)

DTG	WRN NO.	BEST TRACK LAT	LONG	WIND (KT)	POSITION ERRORS(NM) 00	12	24	36	48	72	WIND ERRORS(KT) 00	12	24	36	48	72
95082400		9.6N	133.7E	15												
95082406		9.8N	133.1E	15												
95082412		10.2N	132.6E	20												
95082418		10.8N	131.9E	20												
95082500		11.5N	131.3E	20												
95082506		12.4N	130.8E	20												
95082512		13.1N	130.3E	20												
95082518		13.9N	129.7E	30												
95082600	1	14.7N	128.9E	35	72	81	106	157			-10	-30	-35	-35		
95082606		15.3N	128.1E	45												
95082612	2	15.7N	127.3E	55	50	51	97	150	191	214	-15	-15	-15	-20	-20	-70
95082618	3	16.1N	126.8E	60	39	71	103	129	142	147	-10	-5	-5	0	10	-40
95082700	4	16.6N	126.6E	60	17	71	134	193	220	194	-5	-5	-10	0	-10	-35
95082706	5	16.9N	126.5E	65	24	86	144	193	234	217	-10	-5	0	5	-15	-40
95082712	6	17.1N	126.4E	65	29	74	107	133	177	229	-5	-10	0	-5	-40	-35
95082718	7	17.3N	126.4E	70	29	52	61	69	102	244	-5	-5	-5	-20	-40	-20
95082800	8	17.5N	126.3E	75	12	12	26	76	151	409	-10	-5	-15	-45	-30	0
95082806	9	17.8N	126.2E	75	6	33	99	165	244	442	-5	0	-15	-30	-15	10
95082812	10	18.0N	126.0E	75	18	54	90	123	191	323	0	0	-30	-20	-10	15
95082818	11	18.2N	125.6E	80	26	62	82	127	181	308	-5	-20	-35	-20	-20	-5
95082900	12	18.5N	125.1E	90	12	16	57	95	140	267	-15	-55	-40	-30	-15	15
95082906	13	18.7N	124.6E	105	8	45	97	142	186	350	-20	-40	-20	0	15	30
95082912	14	19.1N	124.0E	130	6	53	104	160	211	430	0	10	25	35	65	65
95082918	15	19.6N	123.2E	130	20	79	130	188	269	590	0	10	20	35	45	50
95083000	16	20.2N	122.1E	125	8	30	85	149	262		5	15	25	35	30	
95083006	17	20.6N	121.0E	120	5	16	55	121	203		10	20	25	15	15	
95083012	18	21.1N	119.6E	115	6	18	63	158	231		15	25	25	20	10	
95083018	19	21.6N	118.3E	110	5	33	126	223	306		20	15	20	15	10	
95083100	20	22.1N	116.7E	105	16	36	104	185			20	20	30	10		
95083106	21	22.6N	115.2E	95	5	67	134	206			10	10	5	5		
95083112	22	23.2N	113.5E	75	8	57	121				5	10	5			
95083118	23	23.9N	111.4E	55	32	106	161				10	5	0			
95090100	24	24.5N	109.4E	35	36	39					0	0				
95090106		24.9N	107.4E	30												
95090112		25.3N	105.6E	25												
95090118		25.3N	103.7E	20												
AVERAGE					21	52	100	150	203	312	9	14	18	19	23	31
# CASES					24	24	23	21	18	14	24	24	23	21	18	14

TYPHOON LOIS (13W)

DTG	WRN NO.	BEST TRACK LAT	LONG	WIND (KT)	POSITION ERRORS(NM) 00	12	24	36	48	72	WIND ERRORS(KT) 00	12	24	36	48	72
95082106		15.6N	114.8E	10												
95082112		15.8N	114.8E	10												
95082118		16.0N	114.7E	10												
95082200		16.2N	114.7E	10												
95082206		16.4N	114.7E	15												
95082212		16.5N	114.7E	15												
95082218		16.6N	114.7E	15												
95082300		16.7N	114.7E	20												
95082306		16.8N	114.7E	20												
95082312		16.9N	114.8E	20												
95082318		16.9N	114.8E	20												
95082400		16.9N	114.9E	20												
95082406		17.0N	115.1E	20												
95082412		17.1N	115.2E	20												
95082418		17.2N	115.3E	20												
95082500		17.3N	115.3E	20												
95082506		17.3N	115.3E	20												

TYPHOON LOIS (13W) (CONTINUED)

DTG	WRN NO.	BEST TRACK LAT	LONG	WIND (KT)	POSITION ERRORS(NM) 00	12	24	36	48	72	WIND ERRORS(KT) 00	12	24	36	48	72
95082512		17.4N	115.3E	20												
95082518		17.6N	115.0E	25												
95082600	1	17.7N	114.6E	30	51	87	168	223	251	276	-5	-10	-10	-25	-20	-10
95082606	2	17.6N	114.2E	30	37	83	112	132	132	171	0	0	-10	-5	0	0
95082612	3	17.6N	113.9E	35	41	95	128	137	140	164	-5	-5	-15	-10	0	0
95082618	4	17.3N	113.2E	35	74	99	133	147	144	192	0	-20	-15	-10	0	0
95082700	5	17.3N	112.7E	40	12	67	125	159	178	277	5	-10	-10	-5	0	20
95082706	6	17.5N	112.0E	55	8	6	18	8	8	200	0	5	5	0	5	15
95082712	7	17.7N	111.3E	60	13	34	42	50	61	256	-5	0	5	5	0	15
95082718	8	18.0N	110.6E	60	38	30	37	53	86	367	0	5	10	10	5	30
95082800	9	18.3N	110.0E	65	8	33	52	50	41		0	-10	0	0	-15	
95082806	10	18.6N	109.5E	65	8	11	5	28	139		0	-5	0	5	-5	
95082812	11	18.7N	108.9E	65	8	16	22	102	238		0	0	5	25	10	
95082818	12	18.9N	108.4E	65	6	21	45	164	293		0	0	5	10	5	
95082900	13	19.1N	107.8E	65	12	39	135	277	396		0	0	10	15	10	
95082906	14	19.3N	107.1E	65	0	46	167	284			0	0	5	10		
95082912	15	19.3N	106.4E	65	12	98	251	389			0	0	10	10		
95082918	16	19.2N	105.3E	65	29	151	265				0	5	15			
95083000	17	18.8N	103.9E	50	43	186	331				0	5	0			
95083006	18	18.4N	102.2E	40	18	123					0	10				
95083012		18.2N	100.3E	30												
95083018		18.2N	98.9E	20												
95083100		18.2N	96.7E	20												
		AVERAGE			24	69	120	147	162	238	1	5	8	10	6	11
		# CASES			18	18	17	15	13	8	18	18	17	15	13	8

TYPHOON MARK (14W)

DTG	WRN NO.	BEST TRACK LAT	LONG	WIND (KT)	POSITION ERRORS(NM) 00	12	24	36	48	72	WIND ERRORS(KT) 00	12	24	36	48	72
95082806		24.0N	151.2E	20												
95082812		24.1N	151.0E	20												
95082818		24.3N	150.8E	20												
95082900		24.8N	150.8E	20												
95082906		25.2N	150.8E	20												
95082912		26.0N	151.0E	20												
95082918		27.0N	151.2E	25												
95083000	1	28.3N	151.9E	30	27	38	76	116	130	475	0	-5	-20	-25	-45	-55
95083006	2	29.1N	152.8E	35	12	23	63	72	74	453	0	-15	-25	-35	-65	-40
95083012	3	29.6N	153.5E	40	28	52	110	112	121	486	5	-15	-25	-45	-65	-20
95083018	4	30.1N	154.2E	55	0	11	46	115	176	323	0	-10	-25	-60	-65	-20
95083100	5	30.5N	155.1E	60	7	15	54	167	297		-5	-10	-35	-60	-50	
95083106	6	31.0N	156.1E	65	13	7	45	194	357		0	-5	-40	-50	-30	
95083112	7	31.5N	157.1E	65	6	54	190	326	417		0	-15	-40	-35	-10	
95083118	8	32.4N	158.0E	70	28	133	301	478	596		-5	-30	-40	-20	-10	
95090100	9	33.4N	159.0E	80	11	146	302	449			-5	-20	-15	0		
95090106	10	34.9N	160.8E	95	15	93	199	271			-10	-20	0	5		
95090112	11	36.4N	163.4E	95	14	59	114				-10	-5	20			
95090118	12	37.9N	166.0E	95	53	91	100				-20	0	10			
95090200	13	39.3N	169.1E	80	44	111					-5	20				
95090206	14	40.3N	172.6E	65	54	122					-15	0				
95090212	15	40.7N	176.0E	45	41						0					
95090218		41.0N	179.2E	45												
		AVERAGE			24	69	134	230	272	435	5	12	25	34	43	34
		# CASES			15	14	12	10	8	4	15	14	12	10	8	4

TROPICAL STORM NINA (15W)

DTG	WRN NO.	BEST TRACK LAT	LONG	WIND (KT)	POSITION ERRORS(NM) 00	12	24	36	48	72	WIND ERRORS(KT) 00	12	24	36	48	72
95090100		8.2N	139.3E	20												
95090106		9.0N	137.9E	25												
95090112		9.7N	136.0E	25												
95090118		10.4N	134.2E	25												
95090200		11.1N	132.4E	25												
95090206		11.6N	130.9E	25												
95090212		12.0N	129.4E	25												
95090218	1	12.6N	127.9E	30	26	90	151	145	112	51	0	0	0	0	-5	5
95090300	2	13.6N	126.7E	35	26	119	122	64	59	78	0	0	0	-5	0	0
95090306	3	14.7N	125.8E	35	33	98	112	129	113	79	0	0	0	-5	0	0
95090312	4	15.8N	124.9E	35	13	81	201	313	342		0	-5	-10	-10	-15	

TROPICAL STORM NINA (15W) (CONTINUED)

95090318	5	16.5N	123.6E	35	74	186	303	376			0	-10	-10	-10		
95090400	6	16.9N	122.2E	35	25	131	174	199	178	231	0	-10	-10	-5	-5	-5
95090406	7	17.1N	120.8E	35	53	51	99	87	51	192	-10	-10	-5	0	-5	0
95090412	8	17.1N	119.5E	35	80	113	155	152	120	86	0	5	10	10	10	5
95090418	9	17.0N	118.2E	35	12	53	75	59	61	205	0	0	5	0	0	10
95090500	10	16.8N	117.2E	35	49	96	93	59	55	196	0	0	0	5	0	20
95090506	11	16.7N	116.4E	35	12	42	95	179	277		0	5	0	0	5	
95090512	12	16.7N	115.7E	35	8	46	120	224	336		0	0	0	0	5	
95090518	13	16.9N	115.0E	35	33	26	102	178	224		0	0	-5	5	10	
95090600	14	17.4N	114.2E	40	8	64	145	237	292		-5	0	-5	5	25	
95090606	15	18.1N	113.5E	40	24	85	171	258			0	-5	0	15		
95090612	16	19.0N	112.7E	40	47	112	196	260			0	0	5	25		
95090618	17	19.9N	111.9E	45	49	103	182				0	5	10			
95090700	18	20.9N	110.8E	45	13	93	204				0	-5	10			
95090706	19	21.8N	109.5E	40	60	98					5	5				
95090712	20	22.6N	107.9E	40	21	150					0	10				
95090718		22.9N	106.1E	30												
95090800		22.9N	104.1E	20												
		AVERAGE			34	92	150	183	171	140	1	4	5	6	7	6
		# CASES			20	20	18	16	13	8	20	20	18	16	13	8

TROPICAL DEPRESION 16W

	WRN	BEST TRACK			POSITION ERRORS(NM)						WIND ERRORS(KT)					
DTG	NO.	LAT	LONG	WIND (KT)	00	12	24	36	48	72	00	12	24	36	48	72
95090312		4.5N	144.1E	15												
95090318		4.7N	143.1E	15												
95090400		5.0N	141.8E	15												
95090406		5.3N	140.6E	15												
95090412		5.5N	139.2E	15												
95090418		5.9N	138.2E	20												
95090500		6.2N	137.0E	20												
95090506		6.4N	136.0E	20												
95090512		6.7N	134.8E	20												
95090518		6.9N	133.8E	20												
95090600		7.3N	132.2E	20												
95090606		7.6N	131.2E	20												
95090612		8.0N	129.9E	20												
95090618		8.2N	128.6E	20												
95090700		8.5N	127.2E	20												
95090706		9.0N	125.8E	15												
95090712		9.5N	124.3E	15												
95090718		9.9N	122.8E	15												
95090800		10.4N	121.0E	20												
95090806		11.3N	119.2E	20												
95090812		11.7N	117.2E	25												
95090818		12.0N	115.4E	25												
95090900		12.4N	113.7E	20												
95090906		12.9N	112.4E	20												
95090912		13.3N	111.4E	20												
95090918	1	13.5N	110.7E	20	24	163	279				5	-10	-5			
95091000		13.6N	110.3E	25												
95091006	2	13.9N	110.0E	30	13	50	83				-5	0	-5			
95091012		14.0N	109.7E	30												
95091018	3	14.3N	109.5E	25	29	52					0	0				
95091100		14.6N	109.4E	25												
95091106	4	14.9N	108.9E	20	29						0					
95091112		14.9N	107.7E	15												
95091118		14.6N	105.6E	15												
		AVERAGE			24	89	182				3	3	5			
		# CASES			4	3	2				4	3	2			

SUPER TYPHOON OSCAR (17W)

	WRN	BEST TRACK			POSITION ERRORS(NM)						WIND ERRORS(KT)					
DTG	NO.	LAT	LONG	WIND (KT)	00	12	24	36	48	72	00	12	24	36	48	72
95090706		8.5N	161.2E	15												
95090712		8.9N	160.0E	15												
95090718		9.3N	158.9E	15												
95090800		9.6N	157.8E	15												
95090806		10.0N	156.5E	15												

SUPER TYPHOON OSCAR (17W) (CONTINUED)

DTG	WRN NO.	BEST TRACK LAT	LONG	WIND (KT)	POSITION ERRORS(NM) 00	12	24	36	48	72	WIND ERRORS(KT) 00	12	24	36	48	72
95090812		10.3N	155.3E	20												
95090818		10.6N	154.3E	20												
95090900		10.8N	153.5E	20												
95090906		11.0N	152.9E	20												
95090912		11.3N	152.5E	20												
95090918		11.6N	152.1E	20												
95091000		11.9N	151.7E	20												
95091006		12.3N	151.2E	20												
95091012		12.8N	150.6E	20												
95091018		13.4N	150.0E	20												
95091100		13.9N	149.5E	20												
95091106		14.4N	148.9E	20												
95091112		14.9N	148.2E	25												
95091118	1	15.3N	147.7E	25	21	59	83	91	69	103	5	5	0	-10	-10	-50
95091200	2	15.8N	147.2E	30	17	28	54	82	122	130	0	0	0	-10	-10	-35
95091206	3	16.4N	146.8E	30	18	36	58	78	98	99	0	0	-5	-5	-20	-40
95091212	4	16.9N	146.4E	35	6	21	29	84	144	179	0	0	-10	-10	-35	-40
95091218	5	17.5N	145.8E	40	21	41	59	112	136	210	0	-5	-5	-20	-35	-40
95091300	6	18.0N	145.1E	45	51	77	150	161	192	223	0	-10	-10	-35	-35	-40
95091306	7	18.6N	144.4E	55	80	131	199	211	217	236	0	0	-15	-25	-40	-40
95091312	8	19.1N	143.6E	65	46	95	143	184	211	171	-10	-10	-35	-40	-50	-50
95091318	9	19.7N	142.5E	65	5	28	25	32	81	106	10	-5	-20	-35	-35	-50
95091400	10	20.4N	141.2E	75	8	47	68	74	76	58	0	-25	-30	-35	-35	-25
95091406	11	21.0N	140.1E	90	5	22	60	46	31	111	0	-15	-30	-25	-25	5
95091412	12	21.5N	139.2E	110	6	37	57	37	16	317	0	-5	-15	-15	-25	5
95091418	13	22.3N	138.5E	115	6	18	49	71	78	354	-5	-25	-25	-25	-35	15
95091500	14	23.1N	137.9E	125	6	22	29	33	74	552	-5	-15	-10	-10	-5	35
95091506	15	24.1N	137.4E	140	0	13	31	42	120	552	-5	0	0	-5	20	45
95091512	16	25.0N	137.0E	140	0	12	40	119	359	662	0	5	0	10	25	55
95091518	17	26.0N	136.6E	140	6	41	85	243	481		0	0	0	25	45	
95091600	18	27.1N	136.5E	140	6	46	57	218	372		0	0	0	0	15	
95091606	19	28.4N	136.7E	140	13	52	187	317	569		0	-10	10	10	15	
95091612	20	29.7N	137.3E	140	0	58	247	429	657		0	5	20	25	25	
95091618	21	31.2N	138.3E	140	5	143	344	541			0	20	40	30		
95091700	22	33.3N	139.9E	125	12	173	322	556			0	10	30	20		
95091706	23	36.4N	142.9E	110	0	84	228				0	15	20			
95091712	24	39.7N	146.3E	100	0	96	387				0	20	20			
95091718	25	42.4N	150.4E	80	32	169					0	5				
95091800	26	44.4N	155.4E	65	22	225					0	20				
95091806		45.2N	161.3E	55												
95091812		45.4N	167.3E	45												
		AVERAGE			15	69	125	171	206	254	2	9	15	19	27	36
		# CASES			26	26	24	22	20	16	26	26	24	22	20	16

TYPHOON POLLY (18W)

DTG	WRN NO.	BEST TRACK LAT	LONG	WIND (KT)	POSITION ERRORS(NM) 00	12	24	36	48	72	WIND ERRORS(KT) 00	12	24	36	48	72
95090900		8.1N	141.8E	15												
95090906		8.4N	140.8E	15												
95090912		9.0N	140.1E	15												
95090918		10.1N	139.6E	20												
95091000		10.8N	138.9E	20												
95091006		11.5N	137.5E	20												
95091012		11.6N	135.4E	20												
95091018		11.7N	133.0E	20												
95091100		11.9N	130.3E	20												
95091106		12.4N	128.4E	20												
95091112		13.0N	126.3E	20												
95091118		13.6N	124.4E	20												
95091200		13.8N	124.1E	20												
95091206		14.0N	123.4E	20												
95091212		14.3N	122.9E	20												
95091218		14.7N	122.7E	20												
95091300		15.1N	122.6E	20												
95091306		15.6N	122.7E	20												
95091312		16.1N	122.9E	20												
95091318		16.5N	123.1E	20												
95091400		16.7N	123.3E	25												
95091406	1	16.9N	123.5E	30	53	48	50	132	278	645	0	0	5	10	15	25
95091412	2	17.0N	123.7E	30	6	18	64	193	312	574	0	0	5	5	15	20
95091418	3	17.1N	124.0E	35	11	40	144	271	398	530	0	5	5	10	20	15
95091500	4	17.3N	124.4E	35	8	22	134	253	394	452	0	0	0	10	20	5

TYPHOON POLLY (18W) (CONTINUED)

95091506	5	17.4N	124.8E	35	8	80	194	318	463	422	0	-5	0	10	20	-5
95091512	6	17.6N	125.7E	35	22	133	229	364	408	321	0	-5	0	10	15	-15
95091518	7	18.0N	127.1E	40	52	127	210	311	266	175	-5	-5	0	10	5	-15
95091600	8	18.3N	128.6E	45	59	115	215	231	134	53	0	0	15	20	10	-10
95091606	9	18.6N	130.0E	45	67	109	170	104	30	106	0	0	15	10	0	-10
95091612	10	18.8N	131.5E	45	65	130	129	66	71	123	0	0	10	0	-10	-10
95091618	11	19.0N	133.2E	45	17	87	197	271	368	461	0	10	0	-10	-10	-10
95091700	12	19.2N	135.1E	45	11	90	216	299	415	582	0	0	-15	-25	-20	-20
95091706	13	19.3N	136.7E	45	16	156	232	273	305	300	0	-10	-25	-25	-20	-20
95091712	14	19.6N	137.3E	50	40	112	160	214	242	255	5	-15	-30	-25	-20	-20
95091718	15	20.1N	137.5E	60	33	72	121	179	198	183	-5	-25	-30	-30	-25	-20
95091800	16	20.9N	137.6E	70	13	29	102	168	225	325	-5	-20	-15	0	0	-10
95091806	17	22.0N	137.7E	80	12	63	135	259	379	500	-15	-20	-15	0	0	-10
95091812	18	23.0N	137.9E	90	0	62	133	186	268	283	-10	0	10	10	0	0
95091818	19	24.0N	138.0E	90	8	43	109	165	228	205	0	0	10	10	5	10
95091900	20	24.8N	138.3E	90	17	105	179	229	281	279	0	5	10	5	5	15
95091906	21	25.7N	139.0E	90	0	65	85	137	120	44	0	5	0	-5	-15	10
95091912	22	26.6N	140.1E	90	13	44	43	31	18	116	-5	0	-5	-10	-15	15
95091918	23	27.8N	141.3E	90	0	24	78	118	156	348	0	-5	-5	-10	-5	20
95092000	24	28.9N	142.5E	90	6	56	111	142	155		0	-5	-5	-5	0	
95092006	25	29.8N	143.9E	90	11	37	60	99	138		0	0	-5	5	15	
95092012	26	30.8N	145.6E	90	13	57	104	156	128		0	0	-5	0	15	
95092018	27	31.9N	147.6E	85	13	66	114	114	64		0	-10	-5	5	15	
95092100	28	33.2N	149.7E	85	32	98	96	124	187		0	-5	0	25	20	
95092106	29	34.8N	152.3E	85	11	50	82	106	230		0	5	15	25	25	
95092112	30	36.3N	155.0E	80	20	58	49	165	359		-5	0	20	20	25	
95092118	31	38.1N	158.0E	70	37	51	115	303			-5	10	20	20		
95092200		39.8N	161.0E	65												
95092206		41.1N	164.1E	50												
95092212		41.9N	167.2E	40												
95092218		42.2N	170.2E	35												
95092300		42.1N	172.9E	35												
95092306		41.7N	175.6E	30												
95092312		41.6N	178.3E	25												
95092318		41.6N	178.8W	25												
95092400		42.3N	176.0W	25												
		AVERAGE			22	73	132	193	241	317	2	5	10	12	13	13
		# CASES			31	31	31	31	30	23	31	31	31	31	30	23

SUPER TYPHOON RYAN (19W)

	WRN	BEST TRACK			POSITION ERRORS(NM)						WIND ERRORS(KT)					
DTG	NO.	LAT	LONG	WIND (KT)	00	12	24	36	48	72	00	12	24	36	48	72
95091412		13.7N	114.8E	20												
95091418		13.7N	114.7E	20												
95091500		13.8N	114.6E	25												
95091506		13.8N	114.6E	25												
95091512	1	13.8N	114.5E	30	144	171	200	242			0	0	-5	-5		
95091518		16.9N	114.5E	30												
95091600	2	14.0N	114.5E	30	5	41	57	41	104	294	5	0	5	5	5	5
95091606	3	14.1N	114.6E	35	18	60	81	58	30	124	5	5	10	0	-5	-10
95091612	4	14.2N	114.7E	35	47	81	52	32	122	231	10	10	10	0	0	-15
95091618	5	14.2N	114.7E	35	18	30	48	41	57	238	10	10	5	-5	-5	-20
95091700	6	14.3N	114.7E	35	24	43	30	45	141	201	10	5	0	-5	-5	-30
95091706	7	14.4N	114.7E	35	18	47	108	191	253	303	0	-5	-5	-10	-10	-40
95091712	8	14.6N	114.5E	40	18	63	121	199	244	315	5	-5	-5	-10	-15	-45
95091718	9	14.7N	114.2E	45	47	117	195	270	333	329	0	-10	-10	-15	-20	-50
95091800	10	14.7N	113.9E	50	40	83	147	179	221	197	-5	-10	-5	-15	-25	-55
95091806	11	14.8N	113.5E	55	8	36	58	96	119	60	0	5	0	0	-20	-35
95091812	12	14.8N	113.2E	55	23	55	62	91	97	24	0	5	-5	-10	-25	-40
95091818	13	14.8N	112.9E	60	23	37	72	72	53	162	-5	0	-10	-20	-30	-45
95091900	14	15.0N	112.6E	60	23	85	129	180	238	340	-5	-5	-20	-25	-40	-55
95091906	15	15.7N	112.6E	65	13	56	88	141	225	345	0	-5	-20	-25	-35	-40
95091912	16	16.3N	112.6E	70	40	86	108	90	110	189	-5	-15	-25	-35	-40	-55
95091918	17	16.9N	112.6E	75	8	18	82	153	201	277	-10	-20	-25	-40	-55	-50
95092000	18	17.5N	112.8E	85	12	79	179	237	279	369	5	0	-5	-15	-30	-20
95092006	19	17.9N	113.2E	95	8	62	130	191	244	378	-5	-5	-10	-20	-30	-25
95092012	20	18.3N	113.9E	100	5	51	101	146	194	322	-5	-10	-15	-15	-40	-20
95092018	21	18.7N	114.9E	105	5	17	32	77	123	351	-10	-15	-25	-45	-40	-20
95092100	22	19.2N	116.2E	115	0	0	24	69	136	471	-15	-20	-25	-45	-35	-10
95092106	23	19.7N	117.4E	120	0	5	58	113	179	525	-5	-5	-5	-5	-10	5
95092112	24	20.3N	118.6E	125	16	32	85	149	216	681	5	10	10	15	10	35
95092118	25	20.9N	119.7E	130	8	32	88	153	295	874	0	10	25	20	20	45

SUPER TYPHOON RYAN (19W) (CONTINUED)

DTG	WRN NO.	BEST TRACK LAT	LONG	WIND (KT)	POSITION ERRORS(NM) 00	12	24	36	48	72	WIND ERRORS(KT) 00	12	24	36	48	72
95092200	26	21.5N	120.9E	130	8	32	96	199	364		0	0	20	15	20	
95092206	27	22.3N	122.2E	130	11	12	77	235	492		-10	5	0	0	5	
95092212	28	23.6N	123.5E	130	5	50	158	386	679		-5	10	5	15	15	
95092218	29	25.0N	124.8E	115	5	39	210	466	753		-10	-5	0	25	25	
95092300	30	26.6N	126.1E	110	16	64	133	243			-5	0	-5	5		
95092306	31	28.5N	127.6E	105	7	67	143	281			0	0	-5	0		
95092312	32	30.9N	129.5E	100	35	109	244				0	15	5			
95092318	33	33.5N	131.8E	90	19	88	178				-5	5	10			
95092400	34	36.9N	134.4E	75	12	60					-10	0				
95092406	35	39.8N	138.3E	65	15	206					-5	5				
95092412	36	41.9N	143.5E	55	46						-5					
95092418		42.3N	149.7E	45												
		AVERAGE			21	61	109	164	233	317	5	7	10	15	22	32
		# CASES			36	35	33	31	28	24	36	35	33	31	28	24

TYPHOON SIBYL (20W)

DTG	WRN NO.	BEST TRACK LAT	LONG	WIND (KT)	POSITION ERRORS(NM) 00	12	24	36	48	72	WIND ERRORS(KT) 00	12	24	36	48	72
95092106		6.0N	174.1E	15												
95092112		6.0N	172.0E	15												
95092118		6.0N	169.8E	15												
95092200		5.9N	167.9E	15												
95092206		5.8N	166.6E	20												
95092212		5.7N	165.4E	25												
95092218		5.4N	163.9E	25												
95092300		5.3N	162.1E	25												
95092306		5.3N	160.5E	25												
95092312		5.4N	158.8E	20												
95092318		5.6N	157.0E	15												
95092400		5.8N	155.2E	15												
95092406		6.0N	153.4E	20												
95092412		6.2N	151.6E	20												
95092418		6.3N	149.7E	20												
95092500		6.5N	147.7E	20												
95092506		6.6N	145.7E	20												
95092512		6.8N	144.1E	20												
95092518		7.0N	142.5E	20												
95092600		7.1N	141.2E	20												
95092606		7.1N	140.0E	25												
95092612		7.0N	138.7E	25												
95092618		7.0N	137.4E	25												
95092700		7.3N	136.3E	25												
95092706		7.5N	135.0E	25												
95092712		7.9N	133.7E	25												
95092718		8.2N	132.2E	30												
95092800	1	8.8N	131.1E	30	41	102	147	164	174	249	-5	-5	-10	-35	-55	-30
95092806	2	9.4N	130.3E	30	84	117	125	120	144	234	0	-5	-20	-35	-45	-15
95092812	3	10.0N	129.3E	35	91	126	132	156	174	258	-5	-10	-30	-55	-55	-15
95092818	4	10.5N	128.4E	40	76	84	65	65	81	75	-5	-10	-30	-40	-30	5
95092900	5	11.0N	127.3E	45	32	92	139	143	189	191	0	-15	-35	-40	-15	5
95092906	6	11.4N	126.2E	55	50	110	151	174	219	219	0	-15	-25	-15	5	35
95092912	7	11.7N	124.9E	65	37	41	29	88	129	177	0	-20	-20	5	30	45
95092918	8	12.2N	124.0E	75	5	13	79	79	61	102	-5	-15	-5	20	30	60
95093000	9	12.7N	123.1E	90	16	35	72	71	66	84	-5	0	30	45	55	60
95093006	10	13.2N	122.2E	90	13	54	78	61	77	146	0	10	35	45	60	65
95093012	11	13.8N	121.7E	95	29	96	104	85	87	177	5	35	45	50	60	85
95093018	12	14.8N	121.0E	85	32	69	80	62	63	38	-10	20	30	45	55	30
95100100	13	15.8N	119.8E	75	13	75	112	133	119	126	0	20	30	45	40	35
95100106	14	16.4N	118.5E	70	5	39	66	84	101	141	5	10	25	30	-5	10
95100112	15	16.9N	117.1E	70	12	30	54	90	92	219	5	10	25	15	5	5
95100118	16	17.2N	116.0E	70	0	8	17	48	116		5	15	30	20	30	
95100200	17	17.8N	115.1E	70	11	30	60	156	234		5	15	30	40	50	
95100206	18	18.4N	114.2E	65	6	20	66	154	233		10	20	30	45	30	
95100212	19	19.2N	113.2E	65	18	11	95	182	279		10	15	40	50	35	
95100218	20	19.9N	112.5E	60	28	45	162	259			0	-5	15	15		
95100300	21	20.7N	111.9E	60	11	66	133	189			0	15	5	5		
95100306	22	21.7N	111.2E	55	11	80	154				5	10	0			
95100312	23	22.9N	111.1E	35	28	82					15	10				
95100318	24	23.7N	111.0E	30	47	85					10					
95100400		24.4N	110.9E	25												
95100406		25.0N	111.0E	20												
95100412		25.6N	111.1E	15												

TYPHOON SIBYL (20W) (CONTINUED)

		AVERAGE	30	63	97	123	139	163	5	13	25	33	36	33
		# CASES	24	24	22	21	19	15	24	24	22	21	19	15

TROPICAL DEPRESSION 21W

	WRN	BEST TRACK			POSITION ERRORS(NM)						WIND ERRORS(KT)					
DTG	NO.	LAT	LONG	WIND (KT)	00	12	24	36	48	72	00	12	24	36	48	72
95091900		3.5N	161.0E	15												
95091906		3.6N	159.6E	15												
95091912		3.6N	158.1E	15												
95091918		3.8N	156.5E	15												
95092000		3.9N	155.1E	15												
95092006		3.9N	153.5E	15												
95092012		4.0N	152.0E	15												
95092018		4.0N	150.5E	15												
95092100		4.2N	149.1E	15												
95092106		4.4N	147.7E	15												
95092112		4.5N	146.3E	15												
95092118		4.7N	144.9E	15												
95092200		4.8N	143.4E	15												
95092206		5.0N	141.9E	15												
95092212		5.1N	140.5E	15												
95092218		5.3N	139.0E	15												
95092300		5.4N	137.7E	15												
95092306		5.6N	136.4E	15												
95092312		5.9N	135.2E	15												
95092318		6.3N	134.1E	15												
95092400		6.6N	133.0E	15												
95092406		6.9N	132.0E	15												
95092412		7.3N	130.6E	15												
95092418		7.9N	129.0E	15												
95092500		8.5N	127.7E	20												
95092506		9.2N	126.2E	25												
95092512		9.8N	124.0E	25												
95092518		10.2N	121.7E	25												
95092600		10.4N	120.0E	20												
95092606		10.7N	118.8E	20												
95092612		11.0N	117.7E	20												
95092618		11.3N	116.7E	20												
95092700		11.6N	115.7E	20												
95092706		11.9N	114.7E	20												
95092712		12.1N	113.7E	20												
95092718		12.3N	112.6E	25												
95092800		12.4N	111.7E	25												
95092806	1	12.5N	110.9E	25	29	8					0	0				
95092812	2	12.6N	110.3E	25	52	47					0	-5				
95092818		12.8N	109.7E	25												
95092900	3	12.9N	108.9E	25	11						0					
		AVERAGE			31	28					0	3				
		# CASES			3	2					3	2				

TROPICAL DEPRESSION 22W

	WRN	BEST TRACK			POSITION ERRORS(NM)						WIND ERRORS(KT)					
DTG	NO.	LAT	LONG	WIND (KT)	00	12	24	36	48	72	00	12	24	36	48	72
95092718		30.4N	178.2E	15												
95092800		29.6N	177.0E	15												
95092806		28.9N	175.8E	15												
95092812		28.3N	174.5E	15												
95092818		27.8N	173.1E	15												
95092900		27.4N	171.8E	15												
95092906		27.2N	170.6E	20												
95092912		27.1N	169.5E	20												
95092918		27.3N	168.5E	20												
95093000		27.4N	167.7E	20												
95093006		27.5N	166.8E	20												
95093012		27.7N	165.8E	25												
95093018		27.8N	164.9E	25												
95100100	1	27.8N	164.2E	30	35	112	201	237	253	221	0	5	15	25	25	20
95100106	2	27.2N	163.7E	30	49	158	208	244	217	251	0	10	15	25	25	25
95100112	3	26.6N	163.6E	30	67	128	146	154	147		0	5	10	15	20	
95100118	4	26.0N	163.2E	25	68	137	153	186	240		0	0	10	10	15	

TROPICAL DEPRESSION 22W (CONTINUED)

DTG	WRN NO.	LAT	LONG	WIND (KT)	POSITION ERRORS(NM) 00	12	24	36	48	72	WIND ERRORS(KT) 00	12	24	36	48	72
95100200	5	25.3N	162.5E	25	18	29	59	132	207		0	5	10	10	15	
95100206	6	25.0N	161.7E	25	32	93	107				0	5	0			
95100212		24.7N	160.9E	20												
95100218		24.4N	160.0E	20												
95100300		24.3N	158.8E	20												
95100306		24.5N	157.3E	20												
95100312		24.8N	155.6E	20												
95100318		24.9N	153.9E	20												
95100400		24.2N	152.5E	20												
95100406		23.7N	151.1E	15												
			AVERAGE		45	110	146	191	213	237	0	5	10	17	20	23
			# CASES		6	6	6	5	5	2	6	6	6	5	5	2

TROPICAL DEPRESSION 23W

DTG	WRN NO.	LAT	LONG	WIND (KT)	POSITION ERRORS(NM) 00	12	24	36	48	72	WIND ERRORS(KT) 00	12	24	36	48	72
95100306		12.9N	123.6E	15												
95100312		12.9N	123.0E	15												
95100318		12.9N	122.1E	15												
95100400		13.0N	120.8E	15												
95100406		13.2N	119.6E	15												
95100412		13.4N	118.4E	20												
95100418		13.7N	117.2E	20												
95100500		14.2N	116.1E	20												
95100506		14.7N	115.3E	20												
95100512	1	15.0N	114.3E	25	8	70	132	96			0	5	10	15		
95100518		15.0N	112.8E	25												
95100600	2	14.8N	111.5E	25	18	34					0	0				
95100606		14.7N	109.7E	25												
95100612		14.9N	108.5E	20												
95100618		14.9N	108.0E	20												
95100700		14.8N	107.3E	15												
95100706		14.7N	106.6E	10												
95100712		14.5N	105.9E	10												
			AVERAGE		13	53	132	96			0	3	10	15		
			# CASES		2	2	1	1			2	2	1	1		

TYPHOON TED (24W)

DTG	WRN NO.	LAT	LONG	WIND (KT)	POSITION ERRORS(NM) 00	12	24	36	48	72	WIND ERRORS(KT) 00	12	24	36	48	72
95100312		6.7N	140.9E	15												
95100318		6.8N	139.3E	15												
95100400		6.9N	137.7E	15												
95100406		7.1N	136.1E	15												
95100412		7.4N	134.5E	15												
95100418		7.8N	133.0E	15												
95100500		8.2N	131.7E	15												
95100506		8.8N	130.6E	15												
95100512		9.4N	129.8E	15												
95100518		10.0N	129.2E	15												
95100600		10.7N	128.6E	15												
95100606		11.4N	128.1E	15												
95100612		12.1N	127.5E	15												
95100618		12.6N	126.8E	20												
95100700		12.8N	125.8E	20												
95100706		13.0N	124.8E	20												
95100712		13.2N	123.7E	20												
95100718		13.4N	122.7E	20												
95100800		14.0N	122.0E	20												
95100806		14.5N	121.3E	20												
95100812		15.1N	120.2E	20												
95100818		15.3N	118.7E	20												
95100900	1	15.5N	117.0E	25	120	171	199	164	122	72	5	0	0	0	-5	-30
95100906	2	15.6N	115.6E	30	26	21	29	63	125	234	0	5	5	5	0	-50
95100912	3	15.6N	114.4E	30	78	93	119	179	238		0	0	0	-20	-45	
95100918	4	15.7N	113.3E	30	73	102	152	221			0	0	-15	-35		
95101000	5	15.9N	112.3E	35	17	62	143	254			0	-5	-20	-45		
95101006	6	16.1N	111.6E	35	41	114	194	295			0	-10	-25	-50		
95101012	7	16.3N	111.0E	40	50	132	207	293			-5	-15	-35	-55		

TYPHOON TED (24W) (CONTINUED)

95101018	8	16.6N	110.5E	45	64	132	204				-10	-25	-50			
95101100	9	16.9N	110.1E	50	42	62	87	121	268		-15	-30	-40	-45	-45	
95101106	10	17.1N	109.8E	55	34	64	87	119	165		-20	-35	-40	-40	-45	
95101112	11	17.3N	109.5E	65	67	133	138	123	114		-20	-30	-35	-35	-35	
95101118	12	17.5N	109.2E	70	69	96	118	179			-25	-35	-40	-45		
95101200	13	17.8N	108.9E	75	61	54	112	158			-30	-35	-30	-35		
95101206	14	18.1N	108.4E	75	29	37	110	152	183		-10	-5	-5	20	0	
95101212	15	18.6N	108.0E	75	13	58	112	144	164		-5	0	5	30	5	
95101218	16	19.6N	108.2E	70	29	112	159	166			-5	-5	20	15		
95101300	17	20.5N	108.5E	65	36	42					0	-5				
95101306	18	21.4N	109.0E	65	34	56					0	15				
95101312	19	22.2N	109.3E	55	12	61					0	5				
95101318		22.8N	110.1E	35												
95101400		23 0N	110.8E	25												
95101406		22.9N	111.6E	25												
95101412		22.4N	112.2E	20												
		AVERAGE			48	85	136	176	173	153	8	14	23	32	23	40
		# CASES			19	19	16	15	8	2	19	19	16	15	8	2

TROPICAL STORM VAL (25W)

	WRN	BEST TRACK			POSITION ERRORS(NM)						WIND ERRORS(KT)					
DTG	NO.	LAT	LONG	WIND (KT)	00	12	24	36	48	72	00	12	24	36	48	72
95100518		14.9N	152.5E	15												
95100600		15.1N	152.4E	15												
95100606		15.3N	152.3E	15												
95100612		15.6N	152.1E	15												
95100618		15.9N	151.9E	15												
95100700		16.1N	151.7E	15												
95100706		16.4N	151.5E	15												
95100712		16.6N	151.2E	15												
95100718		16.8N	150.4E	20												
95100800		16.9N	149.6E	20												
95100806		16.8N	148.7E	20												
95100812		16.9N	148.0E	20												
95100818		17.3N	147.4E	20												
95100900		18.3N	147.2E	20												
95100906	1	19.4N	147.4E	25	41	12	126	187			0	-5	-5	-15		
95100912		20.5N	147.0E	25												
95100918	2	21.5N	146.0E	30	45	154	208	234	197	170	0	0	-5	0	5	20
95101000	3	22.6N	144.5E	35	24	102	199	272	321	503	0	0	-5	0	10	45
95101006	4	23.6N	142.9E	35	17	62	184	316	374	648	0	-5	-5	0	10	45
95101012	5	24.2N	141.6E	40	10	68	120	206	277	638	-5	-5	0	5	20	45
95101018	6	24.8N	140.2E	45	32	73	157	213	311	646	0	5	10	20	35	60
95101100	7	25.4N	138.8E	45	13	74	137	230	367	653	0	5	10	25	45	60
95101106	8	25.9N	138.1E	45	34	56	175	355	527	1014	0	10	10	10	10	10
95101112	9	26.4N	137.7E	45	8	41	206	378	545	1018	0	10	15	20	10	10
95101118	10	26.8N	137.5E	45	36	171	352	523	760	1386	0	0	5	5	0	5
95101200	11	26.8N	137.0E	45	37	134	282	388	598	1208	0	5	10	5	0	5
95101206	12	26.3N	136.9E	45	12	97	172	261	334	518	0	5	15	15	30	35
95101212	13	25.8N	137.0E	40	35	45	148	205	276	352	0	10	10	10	25	30
95101218	14	25.2N	137.2E	40	20	90	170	188	244	396	0	10	10	20	25	30
95101300	15	24.8N	137.6E	30	37	45	32	24	71	240	0	0	5	20	25	25
95101306	16	24.6N	138.2E	30	45	73	182	226	337	533	0	0	15	20	25	30
95101312	17	24.5N	138.7E	30	20	119	234	366	496	755	0	0	15	20	25	35
95101318	18	24.0N	138.9E	30	53	179	244	395	518	828	0	10	10	15	25	35
95101400	19	23.4N	138.5E	30	16	30					-5	0				
95101406		22.8N	137.9E	20												
95101412		22.6N	137.9E	20												
95101418		22.4N	137.3E	20												
95101500		22.0N	136.5E	20												
95101506		21.7N	134.8E	20												
95101512		21.2N	134.1E	20												
95101518		20.7N	133.3E	20												
95101600		20.3N	132.5E	20												
95101606		20.0N	131.7E	20												
95101612		19.8N	131.0E	20												
95101618		19.5N	130.2E	20												
95101700		19.0N	129.4E	20												
95101706		18.6N	128.7E	15												
95101712		17.9N	128.0E	15												

TROPICAL STORM VAL (25W) (CONTINUED)

	00	12	24	36	48	72	00	12	24	36	48	72
AVERAGE	29	86	185	276	386	677	1	4	9	13	19	31
# CASES	19	19	18	18	17	17	19	19	18	18	17	17

SUPER TYPHOON WARD (26W)

	WRN	BEST TRACK			POSITION ERRORS(NM)						WIND ERRORS(KT)					
DTG	NO.	LAT	LONG	WIND (KT)	00	12	24	36	48	72	00	12	24	36	48	72
95101318		8.4N	162.5E	15												
95101400		9.3N	162.3E	20												
95101406		10.1N	162.0E	20												
95101412		10.8N	161.5E	20												
95101418		11.3N	160.6E	20												
95101500		11.8N	159.6E	20												
95101506		12.2N	158.5E	20												
95101512		12.5N	157.4E	20												
95101518		12.7N	156.3E	20												
95101600		12.9N	155.0E	20												
95101606		13.1N	153.7E	25												
95101612	1	13.2N	152.2E	30	5	39	99	138	176	284	0	0	-15	-30	-45	-70
95101618	2	13.3N	150.5E	45	13	58	100	349	171	256	-15	-10	-25	-45	-55	-70
95101700	3	13.6N	148.8E	35	5	11	18	34	72	241	0	-10	-25	-45	-55	-65
95101706	4	14.1N	147.0E	45	21	58	67	80	87	261	0	-15	-30	-45	-60	-60
95101712	5	14.5N	145.3E	55	0	6	8	45	132	308	0	-10	-35	-40	-50	-30
95101718	6	14.9N	143.7E	65	0	21	62	116	200	414	0	-15	-25	-35	-35	-15
95101800	7	15.4N	142.1E	75	5	37	69	154	229	457	0	-20	-30	-40	-30	0
95101806	8	16.0N	140.6E	90	5	32	97	181	258	476	0	-5	-15	-15	0	45
95101812	9	16.7N	139.3E	100	12	48	140	210	273	557	0	-5	-10	0	10	45
95101818	10	17.5N	137.9E	110	5	34	94	167	237	418	0	-10	-10	5	0	35
95101900	11	18.4N	136.7E	120	8	66	130	192	295	545	-10	-20	-15	0	15	35
95101906	12	19.6N	135.6E	130	8	58	134	207	331	740	-20	-20	-10	5	35	45
95101912	13	21.0N	134.7E	140	11	22	49	150	284	793	-10	-10	0	10	25	55
95101918	14	21.9N	134.4E	140	20	61	111	241	392	1022	-5	-5	5	30	35	60
95102000	15	22.7N	134.4E	140	11	42	52	109	172	650	0	0	10	25	20	25
95102006	16	23.4N	134.4E	135	36	60	96	118	192	725	-5	-5	20	20	20	15
95102012	17	24.0N	134.5E	130	34	52	108	158	314	790	0	10	25	25	30	15
95102018	18	25.0N	135.0E	125	8	79	122	215	397		0	25	25	30	30	
95102100	19	25.8N	135.9E	110	12	48	99	243	460		0	10	10	15	5	
95102106	20	26.5N	137.0E	90	8	43	163	397	666		5	-5	-5	0	-10	
95102112	21	27.4N	138.2E	85	11	62	187	370	587		0	0	5	0	-10	
95102118	22	28.4N	139.5E	75	18	99	255	420			0	0	10	-5		
95102200	23	29.5N	141.4E	70	42	220	452	743			-5	5	0	-10		
95102206	24	30.5N	144.0E	60	26	133	332				0	5	-10			
95102212	25	31.4N	147.4E	50	16	54	96				0	5	-10			
95102218		32.3N	151.1E	45												
95102300		33.2N	155.0E	45												
95102306		34.1N	159.3E	50												
95102312		35.1N	164.1E	50												
AVERAGE					14	58	126	219	283	526	3	9	15	21	27	40
# CASES					25	25	25	23	21	17	25	25	25	23	21	17

TYPHOON YVETTE (27W)

	WRN	BEST TRACK			POSITION ERRORS(NM)						WIND ERRORS(KT)					
DTG	NO.	LAT	LONG	WIND (KT)	00	12	24	36	48	72	00	12	24	36	48	72
95101812		7.5N	150.0E	15												
95101818		7.8N	148.7E	15												
95101900		8.1N	147.5E	15												
95101906		8.4N	146.2E	15												
95101912		8.7N	144.9E	15												
95101918		8.9N	143.8E	15												
95102000		9.1N	142.7E	15												
95102006		9.3N	141.9E	15												
95102012		9.5N	140.9E	15												
95102018		9.7N	139.9E	15												
95102100		9.9N	138.9E	15												
95102106		10.0N	137.7E	15												
95102112		10.0N	136.4E	15												
95102118		10.0N	135.1E	15												
95102200		10.0N	133.7E	15												
95102206		10.0N	132.4E	15												
95102212		10.3N	130.9E	15												
95102218		11.1N	129.1E	15												

TYPHOON YVETTE (27W) (CONTINUED)

DTG	WRN NO.	BEST TRACK LAT	LONG	WIND (KT)	POSITION ERRORS(NM) 00	12	24	36	48	72	WIND ERRORS(KT) 00	12	24	36	48	72
95102300		12.4N	127.5E	20												
95102306	1	13.4N	125.6E	30	8	5	46	96	183	308	0	10	15	20	25	20
95102312	2	14.0N	124.1E	30	31	29	61	151	240	340	0	10	15	15	15	25
95102318	3	14.1N	123.0E	35	13	18	71	164	224	305	0	10	15	20	15	35
95102400	4	14.2N	121.7E	35	37	61	100	172	213	331	0	10	10	10	10	50
95102406	5	14.1N	120.2E	35	47	85	172	225	264	396	0	-5	0	-5	5	50
95102412	6	14.0N	119.1E	35	61	180	267	297	320	496	0	-10	-10	-10	10	55
95102418	7	14.0N	117.0E	40	112	220	274	314	355	547	-5	-10	-15	-10	10	35
95102500	8	14.0N	115.2E	45	29	29	63	84	146		0	-10	-10	-15	0	
95102506	9	14.1N	113.2E	45	5	29	62	97	193		0	-15	-15	-15	-5	
95102512	10	13.9N	111.7E	55	8	42	65	47	63		0	-10	-15	0	0	
95102518	11	13.8N	110.4E	60	29	67	87	78			-5	-20	-15	-5		
95102600	12	13.6N	109.2E	65	13	59	134				-5	-20	-10			
95102606	13	13.4N	108.0E	60	35	118	258				0	-10	-5			
95102612	14	13.3N	106.6E	55	58	140	269				0	10	0			
95102618		13.3N	105.3E	45												
95102700		13.4N	103.4E	30												
95102706		13.6N	101.5E	25												
95102712		13.8N	99.6E	20												
95102718		14.1N	97.8E	20												
		AVERAGE			35	78	138	157	221	390	1	11	11	11	10	39
		# CASES			14	14	14	11	10	7	14	14	14	11	10	7

TYPHOON ZACK (28W)

DTG	WRN NO.	BEST TRACK LAT	LONG	WIND (KT)	POSITION ERRORS(NM) 00	12	24	36	48	72	WIND ERRORS(KT) 00	12	24	36	48	72
95102100		4.8N	163.2E	15												
95102106		5.0N	161.6E	15												
95102112		5.2N	160.0E	15												
95102118		5.5N	158.0E	15												
95102200		5.7N	156.0E	15												
95102206		5.9N	154.0E	15												
95102212		6.1N	152.0E	20												
95102218		6.4N	150.0E	20												
95102300		6.8N	148.1E	20												
95102306		6.5N	146.6E	20												
95102312		6.2N	145.1E	25												
95102318		6.0N	143.6E	25												
95102400		6.2N	142.2E	25												
95102406		6.3N	141.1E	25												
95102412		6.6N	140.1E	25												
95102418		6.9N	139.1E	25												
95102500	1	7.2N	138.1E	25	55	90	132	152	143	103	0	0	5	10	15	-5
95102506	2	7.4N	137.2E	30	90	123	150	156	135	101	-5	0	0	10	10	-15
95102512	3	7.7N	136.2E	30	88	131	140	142	187	203	5	10	10	15	5	-25
95102518	4	7.8N	135.3E	30	131	141	117	117	149	224	5	5	10	10	-5	-10
95102600	5	8.0N	134.4E	30	18	42	81	75	123	239	5	0	5	-5	-20	-20
95102606	6	8.3N	133.7E	35	13	67	104	126	187	276	0	0	0	-15	-30	-20
95102612	7	8.7N	132.9E	35	11	41	74	124	155	284	0	0	-10	-25	-40	-15
95102618	8	9.2N	132.0E	35	8	67	147	224	282	398	0	-5	-20	-35	-25	-20
95102700	9	9.8N	131.0E	35	16	94	194	271	371	499	0	-15	-30	-45	-20	-35
95102706	10	10.0N	129.7E	40	21	74	119	162	242	309	0	-15	-25	-25	-20	-60
95102712	11	10.2N	128.2E	50	17	73	110	171	234	256	-5	-20	-35	-20	-20	-75
95102718	12	10.3N	126.9E	60	5	30	83	145	185	195	0	-10	0	5	-5	-55
95102800	13	10.5N	125.4E	70	6	18	88	129	171	252	-5	-20	5	5	-20	-55
95102806	14	10.8N	124.2E	80	6	29	58	95	140	213	-15	-10	-10	-5	-30	-35
95102812	15	10.9N	123.0E	90	0	53	102	129	139	203	-25	-5	-5	-20	-45	-30
95102818	16	11.0N	121.7E	75	0	31	82	115	129	186	-10	5	0	-20	-30	-10
95102900	17	11.2N	120.3E	70	13	21	47	75	104	144	-5	5	-15	-35	-30	-5
95102906	18	11.3N	119.1E	70	5	5	49	90	83	97	5	0	-20	-25	-20	25
95102912	19	11.4N	117.9E	70	5	36	90	92	67	180	5	-15	-55	-50	-45	20
95102918	20	11.9N	116.9E	75	8	36	60	53	42	199	0	-30	-40	-50	-40	25
95103000	21	12.4N	116.0E	90	18	67	61	34	21	244	-15	-45	-30	-25	-25	30
95103006	22	13.1N	115.3E	105	11	25	8	18	52	293	-15	-25	-30	-20	5	40
95103012	23	13.8N	114.7E	120	16	67	95	126	179		5	10	15	10	50	
95103018	24	14.3N	114.0E	115	11	43	75	93	162		0	0	10	40	45	
95103100	25	14.6N	113.1E	115	30	72	94	125	201		0	5	10	55	20	
95103106	26	14.7N	112.3E	115	6	5	52	157	234		0	10	40	15	10	
95103112	27	14.7N	111.5E	110	8	18	44	148			5	15	15	10		
95103118	28	14.7N	110.6E	105	0	18	97				5	0	10			
95110100	29	14.7N	109.5E	100	18	99	203				0	5	15			
95110106	30	14.7N	108.4E	70	13	128	261				20	10	10			

TYPHOON ZACK (28W) (CONTINUED)

95110112	31	14.6N	106.9E	45	21	87					20	15				
95110118		14 6N	105.4E	30												
95110200		14.5N	103.8E	25												
95110206		14.5N	102.2E	15												
		AVERAGE			22	60	101	124	159	232	6	10	16	22	24	29
		# CASES			31	31	30	27	26	22	31	31	30	27	26	22

SUPER TYPHOON ANGELA (29W)

	WRN	BEST TRACK			POSITION ERRORS(NM)						WIND ERRORS(KT)					
DTG	NO.	LAT	LONG	WIND (KT)	00	12	24	36	48	72	00	12	24	36	48	72
95102006		5.0N	176.5E	15												
95102012		5.0N	175.1E	15												
95102018		5.0N	173.5E	15												
95102100		5.2N	172.0E	15												
95102106		5.6N	170.7E	15												
95102112		6.1N	169.4E	15												
95102118		6.5N	168.3E	15												
95102200		7.0N	167.0E	15												
95102206		7.3N	165.7E	15												
95102212		7.5N	164.5E	15												
95102218		7.7N	163.4E	15												
95102300		7.9N	161.9E	15												
95102306		8.1N	160.2E	15												
95102312		8.4N	158.3E	15												
95102318		8.7N	156.3E	15												
95102400		9.0N	154.5E	15												
95102406		9.3N	152.9E	20												
95102412		9.7N	151.4E	20												
95102418		10.0N	150.0E	20												
95102500		10.1N	149.0E	20												
95102506		10.2N	148.2E	20												
95102512		10.2N	147.5E	25												
95102518	1	10.2N	146.5E	30	8	13	45	97	147	326	0	-10	-10	-15	-15	-20
95102600	2	10.4N	145.4E	35	18	49	48	88	144	383	-5	-5	0	5	10	15
95102606	3	10.9N	144.3E	40	21	54	131	211	275	548	-5	-5	0	5	5	20
95102612	4	11.4N	143.2E	40	42	88	158	194	285	547	0	0	5	10	15	20
95102618	5	11.8N	142.2E	45	23	68	106	151	270	534	0	-5	5	5	10	20
95102700	6	12.1N	141.6E	50	18	42	85	185	306	484	5	0	0	5	15	25
95102706	7	12.3N	140.9E	55	11	29	88	187	310	553	5	0	-5	0	15	25
95102712	8	12.5N	140.4E	60	0	24	49	151	285	530	0	0	5	10	20	15
95102718	9	12.8N	139.7E	60	13	52	79	178	339	592	0	-5	0	10	20	-5
95102800	10	13.0N	138.9E	65	21	83	156	267	372	568	0	5	10	10	20	5
95102806	11	13.1N	138.2E	70	29	103	211	338	432	576	-5	0	10	10	20	5
95102812	12	12.9N	137.9E	70	26	118	213	278	355	553	0	0	10	10	10	-20
95102818	13	12.7N	137.9E	75	52	107	184	218	267	454	0	0	10	10	5	-40
95102900	14	12.7N	138.0E	75	26	67	102	126	153	256	0	0	10	0	0	-60
95102906	15	12.5N	138.0E	75	30	71	104	133	176	243	0	0	10	-5	0	-60
95102912	16	12.1N	137.9E	75	8	95	153	184	230	268	0	0	-5	-5	-30	-70
95102918	17	11.8N	137.5E	75	30	67	92	140	196	218	0	0	-10	-5	-50	-70
95103000	18	11.7N	136.6E	75	30	58	110	165	187	256	0	-10	-10	-30	-70	-70
95103006	19	11.7N	135.9E	75	13	13	18	68	81	176	0	-15	-10	-50	-70	-65
95103012	20	11.7N	135.1E	85	21	59	78	87	101	201	5	10	-5	-30	-30	-15
95103018	21	11.8N	134.3E	90	13	41	71	40	40	133	0	10	-25	-30	-30	5
95103100	22	11.9N	133.4E	90	17	52	64	58	96	199	0	-15	-45	-30	-30	25
95103106	23	12.0N	132.4E	90	17	24	24	46	79	200	0	-35	-45	-30	-25	25
95103112	24	12.2N	131.3E	115	11	18	18	34	87	205	-25	-55	-40	-30	-15	-5
95103118	25	12.4N	130.4E	135	11	33	46	35	64	109	-35	-40	-30	-15	20	0
95110100	26	12.7N	129.6E	155	13	66	45	8	44	112	0	10	10	15	50	0
95110106	27	13.4N	128.9E	155	11	29	45	82	125	175	0	5	10	35	30	-25
95110112	28	14.0N	128.1E	155	6	68	115	145	173	223	0	5	20	55	5	-15
95110118	29	14.3N	127.0E	155	11	47	79	93	113	182	0	5	30	30	-20	-25
95110200	30	14.2N	126.0E	155	13	45	61	104	149	219	0	15	45	5	-10	-20
95110206	31	14.2N	125.1E	150	5	13	92	95	109	159	5	35	45	-20	-10	-10
95110212	32	14.1N	124.1E	140	11	58	104	105	114	100	15	45	-20	-10	0	0
95110218	33	14.1N	123.1E	120	5	72	93	100	104	58	20	15	-20	-5	0	15
95110300	34	14.3N	121.6E	100	24	58	64	70	78	61	40	-15	-5	5	5	25
95110306	35	14.5N	120.1E	100	13	47	52	54	52	132	20	-5	15	5	10	35
95110312	36	14.6N	119.0E	125	5	18	39	52	99	180	0	15	15	10	10	25
95110318	37	14.7N	118.0E	125	0	8	8	18	63	146	0	15	15	20	25	35
95110400	38	14.8N	116.9E	115	8	21	37	60	93	194	5	5	0	10	25	45
95110406	39	14.9N	115.9E	115	8	18	39	60	96	219	0	0	10	20	25	50
95110412	40	15.0N	114.9E	115	6	18	31	82	114	189	0	5	20	30	30	25

SUPER TYPHOON ANGELA (29W) (CONTINUED)

95110418	41	15.2N	113.9E	115	5	37	54	106	140		0	15	25	10	0	
95110500	42	15.6N	112.9E	110	12	37	62	90	167		0	15	35	35	15	
95110506	43	16.1N	112.0E	100	23	63	71	103	175		0	15	20	35	20	
95110512	44	16.4N	111.5E	90	25	38	12	53	71		0	10	25	35	30	
95110518	45	16.8N	110.9E	75	5	29	58	102			0	10	25	30		
95110600	46	17.2N	110.3E	65	8	33	49	66			5	20	30	25		
95110606	47	17.6N	109.5E	55	5	24	75				-5	15	25			
95110612	48	18.1N	108.7E	40	24	77	102				5	20	25			
95110618	49	18.6N	108.2E	30	18	75					0	10				
95110700		19.2N	108.0E	20												
95110706		19.8N	107.5E	15												
95110712		19.8N	106.8E	15												
		AVERAGE			16	50	80	116	168	287	4	11	17	18	20	26
		# CASES			49	49	48	46	44	40	49	49	48	46	44	40

TROPICAL STORM BRIAN (30W)

	WRN	BEST TRACK			POSITION ERRORS(NM)						WIND ERRORS(NM)					
DTG	NO.	LAT	LONG	WIND (KT)	00	12	24	36	48	72	00	12	24	36	48	72
95102900		16.5N	174.2E	15												
95102906		16.4N	173.1E	20												
95102912		16.3N	172.1E	20												
95102918		16.1N	171.1E	20												
95103000		16.0N	170.1E	20												
95103006		16.0N	169.0E	20												
95103012		16.0N	167.2E	25												
95103018		16.1N	165.1E	25												
95103100		16.2N	163.4E	25												
95103106		16.3N	161.9E	25												
95103112		16.5N	160.6E	25												
95103118		17.3N	159.0E	25												
95110100	1	18.1N	157.4E	30	16	78	163	257	481	1003	0	0	-10	-15	-10	10
95110106	2	19.1N	155.9E	30	29	74	178	319	472	717	0	-5	-15	-15	-10	10
95110112	3	20.0N	154.0E	30	5	75	186	328	429	339	0	-10	-10	-10	-15	-10
95110118	4	21.2N	152.3E	35	34	150	306	477	495	358	-5	-10	-5	-5	-5	-10
95110200	5	22.9N	151.4E	40	13	137	310	454	527		-10	-15	-5	-5	5	
95110206	6	24.6N	151.2E	45	24	158	313	407	415		-10	-15	-5	-5	-5	
95110212	7	26.1N	152.2E	50	20	95	162	165	142		0	15	15	15	0	
95110218	8	27.5N	153.7E	50	24	83	112	130	146		0	15	10	10	-5	
95110300	9	28.9N	155.8E	50	31	36	42	158			0	0	5	-5		
95110306	10	30.5N	158.0E	50	40	134	222	382			0	0	0	-10		
95110312	11	31.7N	160.4E	50	20	108	217				0	10	0			
95110318	12	32.5N	162.6E	45	5	48	142				0	0	-10			
95110400	13	33.3N	165.2E	35	10	20					0	-5				
95110406		34.1N	167.5E	35												
95110412		34.6N	169.5E	35												
95110418		34.9N	171.3E	35												
		AVERAGE			21	92	197	308	389	605	2	8	8	10	7	10
		# CASES			13	13	12	10	8	4	13	13	12	10	8	4

TROPICAL STORM COLLEEN (31W)

	WRN	BEST TRACK			POSITION ERRORS(NM)						WIND ERRORS(KT)					
DTG	NO.	LAT	LONG	WIND (KT)	00	12	24	36	48	72	00	12	24	36	48	72
95111006		25.1N	173.8W	20												
95111012		24.4N	175.1W	20												
95111018		23.6N	176.4W	20												
95111100		22.8N	177.5W	20												
95111106		21.3N	179.1W	25												
95111112		20.0N	179.4E	25												
95111118		18.6N	178.6E	25												
95111200		17.3N	178.1E	30												
95111206	1	16.3N	177.8E	35	13	149	238				0	5	15			
95111212	2	16.2N	177.3E	35	21	108					0	5				
95111218	3	16.4N	176.2E	30	23	71					5	15				
95111300	4	16.8N	174.8E	30	30						0					
95111306	5	17.1N	173.2E	20	18						5					
		AVERAGE			21	110	238				2	8	15			
		# CASES			5	3	1				5	3	1			

TROPICAL DEPRESSION 32W

DTG	WRN NO.	BEST TRACK LAT	LONG	WIND (KT)	POSITION ERRORS(NM) 00	12	24	36	48	72	WIND ERRORS(KT) 00	12	24	36	48	72
95113000		8.9N	129.1E	15												
95113006		9.3N	128.7E	15												
95113012		9.7N	128.4E	15												
95113018		10.1N	128.1E	15												
95120100		10.4N	127.9E	15												
95120106		10.7N	127.7E	15												
95120112		11.0N	127.5E	20												
95120118		11.3N	127.3E	20												
95120200		11.6N	127.1E	25												
95120206	1	11.8N	127.0E	30	170	189	206	250	313	588	0	10	20	25	35	40
95120212	2	12.1N	126.8E	30	204	248	304	404	567	1048	0	10	20	25	35	40
95120218	3	12.3N	126.6E	30	234	293	386	516	737		0	0	5	15	20	
95120300	4	12.5N	126.4E	30	279	354	472				0	-5	-10			
95120306		12.8N	126.1E	30												
95120312		13.0N	125.8E	30												
95120318		13.2N	125.4E	30												
95120400		13.3N	124.9E	30												
95120406	5	13.4N	124.4E	25	33	105	184				0	0	10			
95120412		13.0N	123.5E	25												
95120418	6	12.5N	122.6E	25	261	460					0	10				
95120500		11.9N	121.8E	20												
95120506		11.2N	121.1E	15												
95120512		10.6N	120.4E	15												
		AVERAGE			197	275	311	390	539	819	0	6	13	22	30	40
		# CASES			6	6	5	3	3	2	6	6	5	3	3	2

TROPICAL DEPRESSION 34W

DTG	WRN NO.	BEST TRACK LAT	LONG	WIND (KT)	POSITION ERRORS(NM) 00	12	24	36	48	72	WIND ERRORS(KT) 00	12	24	36	48	72
95120700		8.0N	114.8E	15												
95120706		8.1N	114.5E	15												
95120712		8.2N	114.2E	20												
95120718		8.1N	113.9E	25												
95120800		7.8N	113.7E	30												
95120806	1	7.6N	113.7E	30	11	61	109	165			0	0	0	0		
95120812		7.6N	113.7E	30												
95120818	2	7.7N	113.9E	30	34	90	149	177			-5	-5	-5	-5		
95120900		7.7N	114.1E	30												
95120906	3	7.8N	114.2E	30	36	95	121	139			0	0	0	-5		
95120912		7.9N	114.4E	30												
95120918		8.0N	114.6E	30												
95121000	4	8.1N	114.5E	30	18	5	23	26			0	0	0	-5		
95121006	5	8.2N	114.3E	30	39	69	90	82			0	0	0	5		
95121012		8.2N	114.0E	30												
95121018	6	8.2N	113.8E	30	8	16	61	112			0	0	5	5		
95121100		8.2N	113.6E	30												
95121106	7	8.2N	113.5E	30	0	35	75	123			0	5	0	0		
95121112		8.3N	113.4E	30												
95121118	8	8.7N	113.3E	25	18	59	141				0	0	-5			
95121200		9.0N	113.3E	25												
95121206		9.2N	112.8E	25												
95121212		9.2N	112.0E	20												
95121218		9.1N	111.4E	25												
95121300		8.9N	110.9E	30												
95121306	9	8.7N	110.2E	30	37	77	97				0	0	10			
95121312		8.4N	109.5E	25												
95121318	10	8.1N	109.2E	25	64	163					0	10				
95121400		7.9N	109.1E	20												
95121406	11	7.6N	108.9E	15	64						5					
95121412		7.3N	108.8E	10												
		AVERAGE			30	68	97	118			1	2	3	4		
		# CASES			11	10	9	7			11	10	9	7		

TROPICAL STORM DAN (35W)

DTG	WRN NO.	BEST TRACK LAT	LONG	WIND (KT)	POSITION ERRORS(NM) 00	12	24	36	48	72	WIND ERRORS(KT) 00	12	24	36	48	72
95122306		6.9N	139.2E	15												
95122312		7.0N	138.3E	15												
95122318		7.0N	137.2E	20												
95122400		7.1N	136.3E	20												
95122406		7.2N	135.4E	20												
95122412		7.3N	134.4E	20												
95122418		7.5N	133.9E	20												
95122500		7.7N	133.3E	20												
95122506		8.0N	132.8E	20												
95122512		8.2N	132.2E	20												
95122518		8.5N	131.5E	20												
95122600		8.7N	130.8E	25												
95122606	1	8.9N	130.2E	25	5	41	71	124			0	0	-10	-25		
95122612		9.1N	129.7E	25												
95122618	2	9.2N	129.4E	25	36	83	154	220			0	-15	-25	-25		
95122700	3	9.4N	129.0E	30	25	47	101	170	222	437	0	-15	-15	-10	-10	-5
95122706	4	9.5N	128.7E	40	39	77	133	193	258	519	-5	-15	-10	-5	0	0
95122712	5	9.7N	128.5E	50	56	97	138	179	268	491	-5	-5	0	0	5	0
95122718	6	9.9N	128.4E	55	54	95	131	139	163	328	-5	-5	0	5	0	-5
95122800	7	10.1N	128.4E	55	88	130	136	165	198	422	0	0	5	10	-5	0
95122806	8	10.4N	128.4E	55	78	76	58	87	157	495	0	5	-5	-10	-15	-5
95122812	9	10.8N	128.5E	55	95	105	60	79	163		0	5	-5	-10	-15	
95122818	10	11.2N	128.7E	55	84	67	16	23	41		0	0	-5	-10	-15	
95122900	11	11.6N	128.8E	55	5	53	90	131	294		0	0	0	0	5	
95122906	12	12.6N	129.2E	55	43	116	168	286	517		0	5	0	5	5	
95122912	13	13.7N	129.6E	55	24	56	145	304			0	-10	-15	-5		
95122918	14	14.8N	130.0E	55	0	75	173	375			0	0	-5	0		
95123000	15	15.7N	130.8E	55	17	110	293				0	0	5			
95123006	16	16.7N	132.1E	55	40	119	314				0	0	5			
95123012	17	17.6N	133.6E	55	62	149					0	5				
95123018	18	18.8N	135.7E	50	81	134					5	10				
95123100	19	20.2N	138.4E	40	25						0					
95123106	20	21.5N	141.8E	35	5						-10					
			AVERAGE		44	91	137	177	229	449	2	5	7	9	8	3
			# CASES		20	18	16	14	10	6	20	18	16	14	10	6

6.2.2 NORTH INDIAN OCEAN — This section includes verification statistics for each warning in the North Indian Ocean during 1995.

JTWC BEST TRACK, FORECAST TRACK AND INTENSITY ERRORS BY WARNING

TROPICAL CYCLONE 01B

DTG	WRN NO.	BEST TRACK LAT	LONG	WIND (KT)	POSITION ERRORS(NM) 00	12	24	36	48	72	WIND ERRORS(KT) 00	12	24	36	48	72
95091200		14.2N	103.7E	15												
95091206		14.9N	102.2E	15												
95091212		15.6N	100.7E	15												
95091218		15.9N	99.0E	15												
95091300		16.0N	97.3E	15												
95091306		16.2N	95.8E	20												
95091312		16.5N	94.2E	20												
95091318		17.4N	93.2E	20												
95091400		18.2N	92.7E	20												
95091406		18.7N	92.2E	25												
95091412		19.1N	91.8E	25												
95091418		19.3N	91.4E	30												
95091500		19.5N	91.0E	30												
95091506		19.6N	90.5E	30												
95091512		19.7N	90.1E	30												
95091518		19.7N	89.6E	25												

TROPICAL CYCLONE 01B (CONTINUED)

DTG	WRN NO.	BEST TRACK LAT	LONG	WIND (KT)	POSITION ERRORS(NM) 00	12	24	36	48	72	WIND ERRORS(KT) 00	12	24	36	48	72
95091600		19.8N	89.1E	25												
95091606		20.3N	88.5E	30												
95091612		21.1N	88.1E	35												
95091618		21.6N	87.4E	45												
95091700	1	22.1N	86.7E	40	36	60	93				0	5	5			
95091706	2	22.7N	85.9E	35	53	67					0	5				
95091712		23.2N	85.2E	30												
95091718		23.7N	84.4E	25												
95091800		24.2N	83.5E	25												
95091806		24.9N	82.7E	20												
95091812		25.5N	82.2E	15												
95091818		26.0N	81.6E	15												
95091900		26.4N	81.1E	15												
95091906		26.8N	80.4E	15												
95091912		27.2N	79.7E	15												
95091918		27.5N	78.9E	15												
95092000		27.8N	78.0E	15												
		AVERAGE			45	64	93				0	5	5			
		# CASES			2	2	1				2	2	1			

TROPICAL CYCLONE 02A

DTG	WRN NO.	BEST TRACK LAT	LONG	WIND (KT)	POSITION ERRORS(NM) 00	12	24	36	48	72	WIND ERRORS(KT) 00	12	24	36	48	72
95101100		16.9N	73.5E	20												
95101106		16.7N	72.7E	20												
95101112		16.6N	72.1E	20												
95101118		16.6N	71.5E	25												
95101200		16.6N	71.0E	25												
95101206		16.6N	70.5E	25												
95101212	1	16.6N	70.0E	30	69	100	128	153	197	213	0	0	10	25	35	50
95101218	2	16.7N	69.6E	40	57	74	98	132	161	189	0	5	10	25	40	50
95101300	3	16.9N	69.0E	45	63	91	110	138	166	177	0	0	15	25	40	55
95101306	4	17.0N	68.6E	45	87	98	126	155	166	175	0	0	10	20	30	45
95101312	5	17.1N	68.3E	50	91	115	149	172	183	192	0	5	10	20	30	45
95101318	6	17.3N	67.9E	50	20	49	83	101	119	164	0	5	15	20	25	35
95101400	7	17.5N	67.6E	45	24	41	64	77	100	120	0	5	15	20	30	40
95101406	8	17.6N	67.4E	45	38	67	72	81	102	89	0	10	15	20	30	40
95101412	9	17.8N	67.1E	45	49	77	85	99	112	101	0	10	15	25	30	40
95101418	10	17.9N	66.9E	40	6	18	29	16	12	151	5	10	15	25	25	35
95101500	11	18.1N	66.6E	40	33	40	34	38	39	208	0	0	5	10	15	25
95101506	12	18.3N	66.2E	40	12	29	63	76	50	155	0	0	5	10	15	25
95101512	13	18.5N	65.9E	40	6	11	32	11	61	231	0	5	5	15	15	30
95101518	14	18.8N	65.5E	40	16	23	24	28	125		0	5	5	15	15	
95101600	15	19.1N	65.2E	35	5	26	17	78	199		5	5	10	10	15	
95101606	16	19.4N	64.9E	35	17	30	41	140	235		0	0	5	5	5	
95101612	17	19.8N	64.5E	35	32	56	127	226	295		0	5	5	5	5	
95101618	18	20.0N	64.0E	35	43	88	173	272			0	5	5	5		
95101700	19	19.9N	63.3E	30	63	171	326	415			5	0	5	5		
95101706	20	19.6N	62.6E	30	69	174	280				0	0	0			
95101712	21	19.1N	61.7E	30	21	82	116				0	5	5			
95101718	22	18.4N	60.8E	30	82	69					0	0				
95101800		17.6N	59.8E	25												
95101806		17.4N	58.8E	25												
95101812		17.5N	57.8E	20												
		AVERAGE			42	70	104	127	137	167	1	4	9	16	24	40
		# CASES			22	22	21	19	17	13	22	22	21	19	17	13

TROPICAL CYCLONE 03B

DTG	WRN NO.	BEST TRACK LAT	LONG	WIND (KT)	POSITION ERRORS(NM) 00	12	24	36	48	72	WIND ERRORS(KT) 00	12	24	36	48	72
95110512		8.6N	96.4E	15												
95110518		9.1N	95.3E	15												
95110600		9.6N	94.3E	20												
95110606		9.9N	93.6E	20												
95110612		10.2N	92.9E	20												
95110618		10.6N	92.2E	25												
95110700	1	11.3N	91.4E	30	24	88	134	154	187	541	0	5	-5	-5	-5	65
95110706	2	12.0N	90.4E	35	64	108	108	102	41	383	0	0	0	-15	-20	-5
95110712	3	12.6N	89.2E	35	16	26	28	82	279		0	-5	-5	-25	-10	

TROPICAL CYCLONE 03B (CONTINUED)

95110718	4	13.0N	87.9E	45	11	53	117	263	514	0	0	-5	10	15	
95110800	5	13.8N	86.9E	50	25	98	192	409	650	-5	-5	-5	5	5	
95110806	6	14.7N	86.0E	55	24	42	122	333	495	0	-5	10	15	5	
95110812	7	15.6N	85.1E	60	36	60	220	417		-5	-5	15	15		
95110818	8	16.5N	84.2E	70	8	55	220	333		-10	0	10	5		
95110900	9	17.6N	83.5E	70	16	156	301			0	15	15			
95110906	10	19.2N	83.4E	55	16	158	229			5	5	0			
95110912	11	21.3N	83.4E	40	18	45				-5	0				
95110918		23.3N	83.7E	30											
95111000		24.7N	84.8E	25											
95111006		25.4N	85.9E	25											
95111012		26.0N	86.8E	15											
95111018		26.5N	87.6E	15											
			AVERAGE		24	81	168	262	361	462	3	4	7	12	10	35
			# CASES		11	11	10	8	6	2	11	11	10	8	6	2

TROPICAL CYCLONE 04B

	WRN	BEST TRACK			POSITION ERRORS(NM)						WIND ERRORS(KT)					
DTG	NO.	LAT	LONG	WIND (KT)	00	12	24	36	48	72	00	12	24	36	48	72
95111818		5.4N	97.2E	20												
95111900		5.5N	96.6E	20												
95111906		5.6N	96.0E	20												
95111912		5.8N	95.4E	20												
95111918		6.0N	94.7E	20												
95112000		6.1N	94.0E	20												
95112006		6.2N	93.3E	20												
95112012		6.4N	92.6E	20												
95112018		6.5N	92.0E	20												
95112100		6.6N	91.5E	20												
95112106		6.8N	90.9E	25												
95112112		6.9N	90.2E	25												
95112118	1	7.0N	89.3E	25	26	75	93	114	145	500	0	0	-10	-15	-20	-30
95112200	2	7.2N	88.5E	25	26	61	109	138	261	711	0	-5	-25	-25	-45	-25
95112206	3	7.5N	87.9E	30	18	87	106	190	348	838	0	-15	-25	-30	-50	-20
95112212	4	8.2N	87.6E	35	35	74	119	242	395	924	5	-10	-10	-30	-30	40
95112218	5	8.9N	87.0E	45	5	38	33	133	295	776	-5	-15	-20	-40	-30	55
95112300	6	9.4N	86.3E	55	18	37	100	235	434		0	0	-20	-20	5	
95112306	7	9.9N	85.7E	60	11	98	237	382	597		0	-10	-30	-20	10	
95112312	8	10.8N	85.0E	65	24	150	314	502	728		-5	-30	-25	0	50	
95112318	9	12.1N	84.9E	75	52	187	319	479	678		-10	-25	-15	5	45	
95112400	10	13.6N	85.1E	95	8	37	118	239			-20	-20	5	50		
95112406	11	15.1N	85.7E	105	13	47	179	322			-5	10	40	70		
95112412	12	16.6N	86.3E	105	12	96	244				0	25	75			
95112418	13	18.1N	87.6E	105	28	140	264				0	30	60			
95112500	14	19.5N	89.3E	90	12	93					5	40				
95112506	15	20.9N	91.3E	85	21	132					0	20				
95112512	16	22.4N	93.5E	45	12						0					
95112518	17	23.6N	95.5E	30	16						0					
			AVERAGE		20	91	172	271	432	751	3	17	28	28	32	34
			# CASES		17	15	13	11	9	5	17	15	13	11	9	5