

Comparison of Seven Super Typhoons

(2006-2013)

	Millenyo (Xangsane)	Reming (Durian)	Frank (Fengshen)	Ondoy (Ketsana)	Sendong (Washi)	Pablo (Bopha)	Haiyan (Yolanda)	Comparison / Total
Years	25 Sep-02 Oct, 2006 (8 days)	25 Nov- 05 Dec, 2006 (11 Days)	17-27 June, 2008 (10 days)	24-30 Sep, 2009 (8 days)	13-19 Dec, 2011 (7 days)	25 Nov-9 Dec, 2012 (15 days)	3-11 Nov, 2013 (9 days)	3 Typhoons-Nov, 1- Sept, 1-Oct, 1-Dec, 1- June
International Designated Category	Category 4 Typhoon (SSHWS)	Category 4 Super Typhoon (SSHWS)	Category 3 Typhoon (SSHWS)	Category 2 Typhoon (SSHWS)	Severe Tropical Strom (SSHWS)	Category 5 Super Typhoon (SSHWS)	Category 5 Super Typhoon (SSHWS)	The typhoons which entered in PAR are mostly fall in category 3 or above
PAGASA' Category	Entered in PAR --> Active LPA --> Tropical Depression -->Tropical Storm -->Typhoon	Entered in PAR --> Tropical Storm--> Typhoon--> Super typhoon	Originated in PAR as LPA->Tropical Storm	Developed inside the PAR from Active LPA-> Tropical Depression	Entered in PAR --> Tropical Depression -> Tropical Storm	Entered in PAR-> Typhoon	Entered in PAR-> Typhoon	Out of Seven typhoons, 5 entered in PAR as Typhoons or super typhoons
Max # of warning issued by PAGASA	PSWS # 3	PSWS # 4	PSWS # 3	PSWS # 2	PSWS # 2	PSWS # 3	PSWS # 4	
Sustained wind	Max 55 to 160 Kph	95 to 195 Kph	160 kph	105 kph	75 kph	185 kph	235 kph	Max: 235 in Yolanda typhoon
Gustiness wind	Max	120 to 230 Kph	195 kph	135 kph	90 kph	220 kph	270 kph	Max: 270 in Yolanda typhoon
Movement	7 to 22 Kph	15 -26 Kph	Average speed of 11 kph	11 to 19 kph		22kph	30 kph	Highest Movement is also in Yolanda
Max 24 hrs Rainfall (mm)	221.6 mm Legaspi City, Albay 27- September 202.6 mm Alabat, Quezon 27-Sep	446.0 mm Legaspi, Albay 30-Nov 190.2 mm Romblon 30-Nov	354.0 mm Iloilo City 20-Jun 300.0 mm Roxas City 20-Jun	455.0 mm Science Garden, Quezon City 26-Sep 331.8 mm Tanay 26- Sep 258.5 mm Port Area 26-Sep 234.5 mm Ambulong 26-Sep	180.9 mm Lumbia Airport 16-Dec 180.4 mm Hinatuan 16-Dec 199.8 mm Daet 17- Dec 157.1 mm Dumaguete 17- Dec 128.9 mm Pagasa island 18-Dec	102.0 mm Borongan 3-Dec 89.0 mm Hinatuan 3- Dec 78.1 mm Lumbia 3- Dec 53.9 mm Butuan 3- Dec 97.2 mm Dipolog 3- Dec 95.4 mm Malaybalay 4-Dec 67.3 mm Lumbia 4- Dec 55.5 mm Zamboanga 4-Dec	141.5 mm Maasin, Southern Leyte 7-Nov 223.8 mm Calapan, Mindoro 8-Nov 119.8 mm Pto. Princesa 9-Nov	Max Rainfall is 446 mm in Legazpi
Lowest Mean Sea	<u>Over Land</u> 963.9 hpa Legaspi City, Albay 9 pm, 27 Sept	<u>Over Land</u> 941.4 hpa Virac, Catanduanes 10.26 am, 30 Nov	<u>Over Land</u> 988.0 hpa Roxas City 5am, 21 June	<u>Over Land</u> 985.3 hpa Zambales 6PM, 26 Sept	<u>Over Land</u> 995.8 hpa Hinatuan 16 -Dec	<u>Over Land</u> 971.0 hpa Cagayan de Oro 1 pm, 4 Dec	<u>Over Land</u> 910 hpa Guiuan 5am, 8 Nov	

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Level Pressure (MSLP) recorded Hectopascal (hpa)	983.3 hpa Tayabas, Quezon 8 am, 28 Sept 984.3 hpa Sangley point, Cavite 1pm, 28 Sept	964.0 hpa Legaspi City, Albay 8.15 am, 30 Nov <u>Over Water</u> 1004.5 hpa Ship-SHIP 2am, 29 Nov		989.5 hpa Dagupan 4PM, 26 Sept				
# of Landfalls	2	2	1	1	2	4	6	
Landfall Locations	1). Landfall on the eastern coast of Northern Samar at around 10:45 am of the 27 th September 2). 2nd Landfall over Eastern coast of Sorsogon at around 4:30 PM of the same day.	1). By morning of the 30 th November, Reming was located just about 50 kms east of Virac, Catanduanes and made landfall over the southern tip two hours later. 2). executed another landfall on the coast of northeastern Albay and slightly weekend due to land interaction	Landfall over eastern Samar	Made landfall over the boundary of Aurora and Quezon at approximately 11 AM of September 26, 2009	1). Sendong made landfall in the afternoon of 16 December in the vicinity of Hinatuan, Surigao Sur. 2). It again made landfall in northern Palawan in the early morning of December 18 and then moved west northwest over the West Philippine Sea	1). Made landfall over Baganga, Davao oriental in the early morning of December 4 2). Pablo was over Bohol sea and made its second landfall in Siquijor 3). After a few hours, it made its 3rd landfall south of dumaguete city in the afternoon of the same day 4). It made the 4th landfall in morning of 5th Dec in the vicinity of Roxas, Northern Palawan.	1). Yolanda made landfall over Guianan, Eastern Samar in the early morning (4.40 AM) of Nov. 8 2). 2nd landfall was in Tolosa, Ileto (7.00 AM) 3). 3rd landfall (9.40 Am) in Dannbantayan, Northern Tip of Cebu Province 4). Made the 4th landfall in Bantayan island in the late morning (10.40 AM). 5). Landfall was in Conception (12.00 NN) 6). 6th Landfall was in Busuanga, Northern Palawan in the evening (8.00 PM). It exited PAR at in the afternoon (1.40 PM) of November 9.	
	Most affected Regions	III, IV-A, IV-B, V, VI, VIII, IX and NCR (8 Regions)	IV-A, IV-B, V (3 Regions)	I, III, IV-A, IV-B, V, VI,VII, VIII, IX, X, XI, XII,NCR, ARMM, CARAGA (15 Regions)	I, II, III, IV-A,IV- B,V,VI,IX,XII,ARMM, CAR and NCR (12 Regions)	V, VII, IX,X,XI,CARAGA, ARMM (7 Regions)	IV-B, VI, VII, VIII, IX, X, XI, XII, CARAGA, ARMM (10 Regions)	IV-A, IV-B, V, VI, VII, VIII, X, XI, CARAGA (9 Regions)
Deaths	213	734	557	464	1,268	1,248	6,201	10,685
Injuries	660	2,360	826	529	6,071	2,916	28,626	41,988

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Missing Persons (IDP's)	48	762	87	37	181	834	1,785	3,734
Totally Damaged	118,081	228,436	82,734	30,082	25,365	94,925	550,928	1,130,551
Partially	385,096	359,601	345,475	154,922	65,667	126,700	589,404	2,026,865
Total	503,177	588,037	428,209	185,004	91,032	221,625	1,140,332	3,157,416
Families	841,297	707,966	958,515	993,227	131,618	1,285,242	3,424,593	8,342,458
Persons	4,142,951	3,536,342	4,776,778	4,901,234	698,882	5,704,005	16,078,181	39,838,373
Barangays	4,558	3,507	6,642	2,018	866	3,391	12,139	33,121
Municipalities	235	163	469	172	60	315	591	2,005
Cities	35	13	57	16	9	40	57	227
Provinces	24	14	50	26	13	34	44	205
Evacuation Centers	442	909	1,650	244		1,262	381	4,888
Families	49,126	258,962	884,444	15,798	6,574	163,963	890,895	2,269,762
Persons	244,613	1,338,810	4,229,218	70,124	38,985	694,194	4,095,280	10,711,224
Roads /Bridges	1,793,959,230	675,342,000	4,239,486,057			3,200,082,410	15,746,727,686.11	25,655,597,383
Schools	808,082,635.84	1,828,865,860	1,092,986,632			1,261,477,400	2,309,823,650	7,301,236,178
Other Infrastructure	34,653,000.00	1,008,200,897	650,790,520		392,918,812	5,232,885,423	1,502,827,800	8,822,276,452
Infrastructure	2,636,694,865.8	3,512,408,757	5,983,263,209.00	4,299,000,000	1,759,264,459	9,694,445,233	19,559,379,136.11	47,444,455,660
Crops	3,758,954,295.6	1,501,644,275	1,876,613,694			32,501,258,458	9,491,493,471.47	49,129,964,194
Livestocks	40,673,175.00	38,707,800	93,776,790			360,205,725	2,890,306,123.20	3,423,669,613
Fisheries	173,325,420.00	51,320,449	2,654,435,000			211,717,246	5,996,896,091.39	9,087,694,206
Agri Infra/ irrigation		344,528,195	2,916,951,000				1,883,423,030	5,144,902,225
Agriculture	3,972,952,890.6	1,936,200,719	7,541,776,484	6,669,000,000	309,101,330	33,073,181,429	20,262,118,716.06	73,764,331,569
Total (Infra & Agri)	6,609,647,756	5,448,609,476	13,525,039,693	11,000,000,000	2,068,365,789	42,767,626,662	39,821,497,852.17	121,240,787,229

Source: The data presented in this sheet was collected from the final reports of NDRRMC and PAGASA, Philippines