

THE GOVERNMENT OF THE PHILIPPINE ISLANDS  
DEPARTMENT OF AGRICULTURE AND COMMERCE

WEATHER BUREAU  
CENTRAL OFFICE  
MANILA

ALTITUDES OF THE SUN FOR MANILA

LAT.  $14^{\circ}.6$

Date	9 a.m.	Noon	3 p.m.						
Jan. 1	30 <sup>0</sup>	52 <sup>0</sup>	33 <sup>0</sup>	Noon	Sun south of the zenith				
15	50	54	35	"	"	"	"	"	"
Feb. 1	32	56	39	"	"	"	"	"	"
15	34	60	41	"	"	"	"	"	"
Mar. 1	36	64	44	"	"	"	"	"	"
15	39	70	44	"	"	"	"	"	"
Apr. 1	41	76	46	"	"	"	"	"	"
1 15	44	82	46	"	"	"	"	"	"
May 1	47	90	47	Noon	At the zenith				
15	48	94	48	"	north of the zenith				
Jun. 1	49	97	49	"	"	"	"	"	"
15	47	97	51	"	"	"	"	"	"
Jul. 1	49	99	49	"	"	"	"	"	"
15	46	96	51	"	"	"	"	"	"
Aug. 1	44	88	50	Noon	south				
15	44	85	49	"	"	"	"	"	"
Sep. 1	44	81	47	"	"	"	"	"	"
15	44	79	44	"	"	"	"	"	"
Oct. 1	43	74	41	"	"	"	"	"	"
15	42	68	37	"	"	"	"	"	"
Nov. 1	39	62	34	"	"	"	"	"	"
15	36	58	32	"	"	"	"	"	"
Dec. 1	33	54	31	"	"	"	"	"	"
15	32	52	32	"	"	"	"	"	"

Altitudes for noon are taken with respect to the southern horizon.

All values are for Manila Standard Time.