

APR 1 1958

0700 EST

Meteorological Observatory  
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	43 °F	Dir. —	Temp. 70			
Min.	31 °F	Vel. — m.p.h.	Read. 28.84			
Set	33 °F	Char. CALM	Corr. 28.72			
R. H.	74 %	24 hr. Mov. 112	Sea L. 30.02	0700 Clds. 4CL 2AL	1300 Clds. 6CL	1900 Clds. CLR
Ppn. Liq.	7 in.	Prev. Dir. N	3 hr. Tend. +1.5	Wx	Wx	Wx
Ppn. Sol.	0 in.	Snow Depth 0 in.	Observer F.Y.W.	Vis. 9	Vis. 15+	Vis. 15+

38

APR 2 1958

0700 EST

Meteorological Observatory  
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	Dir.	Temp.				
49 °F	SW	74				
Min.	Vel.	Read.				
29 °F	3 m.p.h.	28.89				
Set	Char.	Corr.				
34 °F	STEADY	28.76				
R. H.	24 hr. Mov.	Sea L.	0700	1300	1900	
48 %	149	30.06	Clds. 3 Ci	Clds. 7 Ci + Cs	Clds. 2 Ci + Cs	
Ppn. Liq.	Prev. Dir.	3 hr. Tend.	Wx	Wx	Wx	
0 in.	N	+0.81				
Ppn. Sol.	Snow Depth	Observer	Vis.	Vis.	Vis.	
0 in.	0 in.	X.V.W.	15+	15+	15+	

39

APR 3 1958

0700 EST

Meteorological Observatory  
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	54 °F	Dir. —	Temp. 74			
Min.	30 °F	Vel. — m.p.h.	Read. 28.90			
Set	34 °F	Char. CALM	Corr. 28.77			
R. H.	52 %	24 hr. Mov. 103	Sea L. 30.07	0700 Clds. CLR	1300 Clds. CLR	1900 Clds. 3Cs
Ppn.	Liq. 0 in.	Prev. Dir. NE	3 hr. Tend. +1.0 ✓	Wx	Wx	Wx
Ppn.	Sol. 0 in.	Snow Depth 0 in.	Observer C.V.W.	Vis. 15+	Vis. 15+	Vis. 15+

40

APR 4 1958

0700 EST

Meteorological Observatory  
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	54 °F	Dir. —	Temp. 76			
Min.	30 °F	Vel. — m.p.h.	Read. 28.88			
Set	33 °F	Char. CALM	Corr. 28.73			
R. H.	69 %	24 hr. Mov. 93	Sea L. 30.03	0700 Clds. 1cs	1300 Clds. 4ci9cs	1900 Clds. 8ci9cs 2Ac
Ppn.	Liq. 0 in.	Prev. Dir. ENE	3 hr. Tend. +1.3-	Wx	Wx	Wx
Ppn.	Sol. 0 in.	Snow Depth 0 in.	Observer J.F.W.	Vis. 15	Vis. 15+	Vis. 15+

39)

APR 3 1958

0700 EST

Meteorological Observatory  
University Park, Pa.

Temp.		Wind		Barom.	General Obs.		
Max.	58 °F	Dir.	—	Temp.	78		
Min.	33 °F	Vel.	— m.p.h.	Read.	28.88		
Set	39 °F	Char.	CALM	Corr.	28.74		
R. H.	55 %	24 hr. Mov.	80	Sea L.	0700	1300	1900
Ppn.	0 in.	Prev. Dir.	ESE	3 hr. Tend.	Clds. 9+CS BA	Clds. 10 AC	Clds. 10 SC
Ppn.	0 in.	Snow Depth	0 in.	Observer	Wx	Wx	Wx
				Observer	Vis.	Vis.	Vis.
				F.V.W.	12	15	15

47

APR 6 1958

0700 EST

Meteorological Observatory  
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	55 °F	Dir. NNW	Temp. 87	☉ 0135 - 1030E ☾ 2030E - 2400E. ☽ "		
Min.	39 °F	Vel. 3 m.p.h.	Read. 28.53			
Set	40 °F	Char. VARIABLE	Corr. 28.37			
R. H.	94 %	24 hr. Mov. 187	Sea L. 29.65	0700 Clds. 10Fc9Fs	1300 Clds. 10 Sc	1900 Clds. 3 Cu
Ppn. Liq.	.44 in.	Prev. Dir. S	3 hr. Tend. -2.61	Wx ☉/☽	Wx	Wx
Ppn. Sol.	0 in.	Snow Depth 0 in.	Observer S.Y.W.	Vis. 1	Vis. 12	Vis. 15

47

APR 7 1958

0700 EST

Meteorological Observatory  
University Park, Pa.

Temp.		Wind		Barom.	General Obs.			
Max.	54 °F	Dir.	W	Temp.	0200 - 0145E <del>0800 - 1800E</del> occnl * occnl 1800E - 2100E			
Min.	40 °F	Vel.	3 m.p.h.	Read.				28.04
Set	47 °F	Char.	0700	Corr.				28.04
R. H.	65 %	24 hr. Mov.	SW	Sea L.	20.31	0700	1300	1900
Ppn.	Liq. 0.25 in.	Prev. Dir.	072	3 hr. Tend.	-0.4	Clds.	Clds.	Clds.
Fpn.	Sol. - in.	Snow Depth	- in.	Observer	R	10Cu	10Cu	10Cu
						Wx	Wx	Wx
						15	15	15

49

APR 8-1958

0700 EST

Meteorological Observatory  
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max. 48 °F		Dir. NW	Temp. 85	* 2100 E - 2330 E.		
Min. 32 °F		Vel. 4 m.p.h.	Read. 28.68			
Set 34 °F		Char. bsky	Corr. 28.52			
R. H. 58 %		24 hr. Mov. 223	Sea L. 29.83	0700 Clds. 5cu	1300 Clds. 8cu	1900 Clds. 6cu
Ppn. Liq. .01 in.		Prev. Dir. NW	3 hr. Tend. +1.01	Wx	Wx	Wx
Ppn. Sol. T in.		Snow Depth 0 in.	Observer KEH	Vis. 15	Vis. 15	Vis. 15

36



APR 9 1958

0700 EST

Meteorological Observatory  
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	42 °F	Dir. NW	Temp. 82			
Min.	21 °F	Vel. 2 m.p.h.	Read. 29.09			
Set	34 °F	Char. Light	Corr. 28.94			
R. H.	60 %	24 hr. Mov. 252	Sea L. 30.26	0700 Clds. CLR	1300 Clds. CLR	1900 Clds. 3 B <sub>1</sub>
Ppn. Liq.	T in.	Prev. Dir. NW	3 hr. Tend. +2.81	Wx	Wx	Wx
Ppn. Sol.	T in.	Snow Depth T in.	Observer RSH	Vis. 15	Vis. 15	Vis. 15

(24)

APR 10 1958

0700 EST

Meteorological Observatory  
University Park, Pa.

Temp.		Wind		Barom.	General Obs.		
Max.	51 °F	Dir.	—	Temp.	• 1550 - 2400 E		
Min.	24 °F	Vel.	— m.p.h.	Read.	29.04		
Set	33 °F	Char.	CALM	Corr.	28.88		
R. H.	56 %	24 hr. Mov.	56	Sea L.	0700	1300	1900
Ppn.	0 in.	Prev. Dir.	ENE	3 hr. Tend.	Clds.	Clds.	Clds.
Ppn.	0 in.	Snow Depth	0 in.	Observer	9+CS 4AC	10AS 6Fc+Fs	10NS
					Wx	Wx	Wx
							..
					Vis.	Vis.	Vis.
					15	15	5

42

APR 11 1952

0700 EST

Meteorological Observatory  
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	47 °F	Dir. NNE	Temp. 76	• 0000 - 0330 E * 0330 - 0600 E • 0600 - 2400E <i>QUAL 5/11/52</i> <i>RRK</i>		
Min.	33 °F	Vel. 4 m.p.h.	Read. 28.73			
Set	35 °F	Char. STEADY	Corr. 28.59			
R. H.	97 %	24 hr. Mov. 125	Sea L. 29.89	0700 Clds. 10NS	1300 Clds. 10NS	1900 Clds. 10NS
Ppn. Liq.	.39 in.	Prev. Dir. NE	3 hr. Tend. -0.5	Wx ••/≡	Wx ≡ ••	Wx ≡ ••
Ppn. Sol.	0.1 in.	Snow Depth T in.	Observer T.Y.W.	Vis. 3/4	Vis. 2	Vis. 3

37)

APR 12 1958

0700 EST

Meteorological Observatory  
University Park, Pa.

Temp.		Wind		Barom.		General Obs.		
Max. 40 °F	Dir. W	Temp. 72	97 0000E - 1700E 93 1500E - 1600E					
Min. 35 °F	Vel. 2 m.p.h.	Read. 28.62						
Set 37 °F	Char. Windy	Corr. 28.49						
R. H. 88 %	24 hr. Mov. 055	Sea L. 29.79	0700 Clds. 10NS	1300 Clds. 10NS	1900 Clds. 10Sc			
Ppn. Liq. 0.05 in.	Prev. Dir. NW	3 hr. Tend. +0.8K	Wx ??	Wx	Wx			
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer REX	Vis. 5	Vis. 6	Vis. 10			

32

APR 13 1958

0700 EST

Meteorological Observatory  
University Park, Pa.

Temp.		Wind		Barom.	General Obs.		
Max.		Dir.		Temp.			
48	°F	WNW		72			
Min.		Vel.		Read.			
37	°F	5	m.p.h.	28.95			
Set		Char.		Corr.			
40	°F	STEADY		28.82			
R. H.		24 hr. Mov.		Sea L.	0700	1300	1900
66	%	144		20.11	Clds.	Clds.	Clds.
					CLR	7C:4Cs	2.5C
Ppn.	Liq.	Prev. Dir.		3 hr. Tend.	Wx	Wx	Wx
T	in.	NW		+2.21			
Ppn.	Sol.	Snow Depth		Observer	Vis.	Vis.	Vis.
0	in.	0	in.	R. Bell	15	15+	15+

(42)

APR 14 1958

0700 EST

Meteorological Observatory  
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	60 °F	Dir. SW	Temp. 75			
Min.	38 °F	Vel. 3 m.p.h.	Read. 28.97			
Set	42 °F	Char. VARIABLE	Corr. 28.84			
R. H.	39 %	24 hr. Mov. 136	Sea L. 30.12	0700 Clds. 4Ac 1Cu	1300 Clds. 6Cu	1900 Clds. 2Cu
Ppn.	0 in.	Prev. Dir. WSW	3 hr. Tend. +1.0	Wx	Wx	Wx
Ppn.	0 in.	Snow Depth 0 in.	Observer J.F.W.	Vis. 15	Vis. 15+	Vis. 15+

47

APR 15 1958

0700 EST

Meteorological Observatory  
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	Dir.	Temp.				
67 °F	—	77				
Min.	Vel.	Read.				
40 °F	— m.p.h.	28.93				
Set	Char.	Corr.				
43 °F	CALM	28.79				
			0700	1300	1900	
R. H.	24 hr. Mov.	Sea L.	Clds.	Clds.	Clds.	
55 %	755	30.05	CLR	2Ci:0Cs	9+Ci:0Cs	
Ppn.	Liq.	Prev. Dir.	3 hr. Tend.	Wx	Wx	Wx
0	in.	WNW	+0.6 ✓			
Ppn.	Sol.	Snow Depth	Observer	Vis.	Vis.	Vis.
0	in.	0 in.	S.T.W.	15	15+	15+

(54)

APR 16 1958

0700 EST

Meteorological Observatory  
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	72 °F	Dir. —	Temp. 79			
Min.	43 °F	Vel. — m.p.h.	Read. 28.94			
Set	46 °F	Char. CALM	Corr. 28.80			
R. H.	56 %	24 hr. Mov. 33	Sea L. 30.05	0700 Clds. 9+Ci+Cs	1300 Clds. 9+Ci+Cs	1900 Clds. 7Ci+Cs
Ppn.	0 in.	Prev. Dir. E	3 hr. Tend. +1.5 ✓	Wx	Wx 00	Wx 00
Ppn.	0 in.	Snow Depth 0 in.	Observer E.Y.W.	Vis. 12	Vis. 10	Vis. 10

59



APR 17 1958

0700 EST

Meteorological Observatory  
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	73 °F	Dir. —	Temp. 80			
Min.	44 °F	Vel. m.p.h.	Read. 29.01			
Set	49 °F	Char. CALM	Corr. 28.86			
R.H.	55 %	24 hr. Mov. 52	Sea L. 30.11	0700	1300	1900
				Clds. 4ci9cs	Clds. 4ci9cs	Clds. 2ci9cs
Ppn.	Liq. 0 in.	Prev. Dir. SE	3 hr. Tend. +1.7-	Wx ∞	Wx	Wx
Ppn.	Sol. 0 in.	Snow Depth 0 in.	Observer E.F.W.	Vis. 6	Vis. 10	Vis. 12

58

APR 18 1958

0700 EST

Meteorological Observatory  
University Park, Pa.

Temp.		Wind		Barom.	General Obs.						
Max.	78 °F	Dir.	—	Temp.	78						
Min.	49 °F	Vel.	— m.p.h.	Read.	28.86						
Set	52 °F	Char.	CALM	Corr.	28.72						
R. H.	60 %	24 hr. Mov.	67	Sea L.	29.96	0700	1300	1900			
Ppn.	0 in.	Prev. Dir.	ESE	3 hr. Tend.	+0.2v	Clds.	1ci	Clds.	6cs 1cu	Clds.	7cs 4cu
Ppn.	0 in.	Snow Depth	0 in.	Observer	J.V.W.	Wx	00	Wx		Wx	
						Vis.	6	Vis.	15	Vis.	15

64)

APR 19 1958

0700 EST

Meteorological Observatory  
University Park, Pa.

Temp.		Wind		Barom.	General Obs.			
Max.	82 °F	Dir.	—	Temp.	R (scattered) 1950 - 2400E			
				86				
Min.	50 °F	Vel.	— m.p.h.	Read.				28.83
Set	53 °F	Char.	CALM	Corr.	28.67			
R. H.	55 %	24 hr. Mov.	98	Sea L.	29.90	0700	1300	1900
						Clds.	Clds.	Clds.
						1ci	4cu	7cu 1cb
Ppn.	0 in.	Prev. Dir.	N (VARIABLE)	3 hr. Tend.	+1.8	Wx	Wx	Wx
Ppn.	0 in.	Snow Depth	0 in.	Observer	E.Y.W.	Vis.	Vis.	Vis.
						15	15	15

(8)

APR 20 1958

0700 EST

Meteorological Observatory  
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max. 83 °F	Dir. SW	Temp. 75		☼ 0355 - 0610E ☽ 0750E - 0845E ☽ 1340E - 1500E ☽ 0830E - 0850E ☽ 0950E - 1020E		
Min. 53 °F	Vel. 6 m.p.h.	Read. 28.77				
Set 60 °F	Char. STEADY	Corr. 28.64				
			0700	1300	1900	
R. H. 73 %	24 hr. Mov. 113	Sea L. 29.86	Clds. 10 Hs 3Sc	Clds. 8 Cl	Clds. 8 Cl 8As Oc	
Ppn. Lq. .01 in.	Prev. Dir. SW	3 hr. Tend. +1.2 ✓	Wx	Wx	Wx	
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer E.V.W.	Vis. 8	Vis. 15	Vis. 15	

73

APR 21 1958

0700 EST

Meteorological Observatory  
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max. 78 °F	Dir. —	Temp. 81		1215E - 1400E 1500 - 1630E 1630E - 1730E 1730 - 2330E 2330E - 2400E.		
Min. 59 °F	Vel. — m.p.h.	Read. 28.65				
Set 62 °F	Char. CALM	Corr. 28.50				
				0700	1300	1900
R. H. 54 %	24 hr. Mov. 118	Sea L. 29.73		Clds. 6Cu 7AsAc	Clds. 10Cu	Clds. 10Cu
Ppn. Liq. 0.11 in.	Prev. Dir. S	3 hr. Tend. +0.41		Wx	Wx V	Wx V
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer REN		Vis. 15	Vis. 7	Vis. 10

66

APR 22 1958

0700 EST

Meteorological Observatory  
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max. 73 °F		Dir. SW	Temp. 81	▽ 0000 - 0030E .. 0000 0030E - 0130E ▽ 0130E - 0230E .. 0000 0230E - 0300E		
Min. 52 °F		Vel. 3 m.p.h.	Read. 28.59			
Set 55 °F		Char. STEADY	Corr. 28.45			
R. H. 78 %		24 hr. Mov. 122	Sea L. 29.71	0700 Clds. 6Cu	1300 Clds. 5Cu	1900 Clds. 5Cu
Ppn. Liq. 0.87 in.		Prev. Dir. SW	3 hr. Tend. +1.81	Wx	Wx	Wx
Ppn. Sol. 0 in.		Snow Depth 0 in.	Observer R.E.H.	Vis. 15	Vis. 15	Vis. 15

9)

APR 23 1958

0700 EST

Meteorological Observatory  
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	69 °F	Dir. NW	Temp. 78			
Min.	53 °F	Vel. 6 m.p.h.	Read. 29.62			
Set	54 °F	Char. Gassy	Corr. 28.48			
R. H.	63 %	24 hr. Mov. 122	Sea L. 29.73	0700 Clds. 6Cu	1300 Clds. 6Cu	1900 Clds. 4Cu
Ppn. Lq.	0 in.	Prev. Dir. Seo	3 hr. Tend. +3.5/	Wx	Wx	Wx
Ppn. Sol.	0 in.	Snow Depth 0 in.	Observer R.H.	Vis. 15	Vis. 15	Vis. 15

60)

APR 24 1958

0700 EST

Meteorological Observatory  
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max. 68 °F		Dir. SW	Temp. 78	☽ - 0650E - 0745E ☽ 0750E - 0930E ☽ - 0930 - 1030E. 1600 + 1900E Gust to 32K		
Min. 51 °F		Vel. 2 m.p.h.	Read. 28.68			
Set 57 °F		Char. Light	Corr. 28.54			
R. H. 36 %		24 hr. Mov. 152	Sea L. 29.79	0700 Clds. 10b 9Cu	1300 Clds. 4Cu	1900 Clds. <del>4Cu</del> 4Cu
Ppn. Liq. T in.		Prev. Dir. NW	3 hr. Tend. -1.21	Wx ☽ - -	Wx	Wx
Ppn. Sol. 0 in.		Snow Depth 0 in.	Observer RCH.	Vis. 15	Vis. 15	Vis. 15

(54)



APR 25 1958

0700 EST

Meteorological Observatory  
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	82 °F	Dir. ALC	Temp. 78			
Min.	43 °F	Vel. 6 m.p.h.	Read. 28.98			
Set	44 °F	Char. Gusty	Corr. 28.84	0700	1300	1900
R. H.	61 %	24 hr. Mov. 241	Sea L. 30.09	Clds. 10Sc	Clds. 4Sc BCcC	Clds. CLR
Ppn. Liq.	0.17 in.	Prev. Dir. 12HR SSW 12HR NW	3 hr. Tend. +1.81	Wx	Wx	Wx
Ppn. Sol.	0 in.	Snow Depth 0 in.	Observer REH	Vis. 15	Vis. 15	Vis. 15

(58)

APR 26 1958

0700 EST

Meteorological Observatory  
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	63 °F	Dir. NW	Temp. 78			
Min.	37 °F	Vel. 3 m.p.h.	Read. 29.24			
Set	39 °F	Char. STEADY	Corr. 29.09			
R. H.	53 %	24 hr. Mov. 173	Sea L. 30.36	0700 Clds. 1 Cu	1300 Clds. 2/4 Cu	1900 Clds. 10 As
Ppn. Liq.	0 in.	Prev. Dir. NW	3 hr. Tend. 72.81	Wx	Wx	Wx
Ppn. Sol.	- in.	Snow Depth - in.	Observer R.F.H.	Vis. 15	Vis. 15	Vis. 15

(49)

APR 27 1958

0700 EST

Meteorological Observatory  
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max. 59 °F	Dir. E	Temp. 72	.. 0130E - 150E .. 1410E - 2400E			
Min. 37 °F	Vel. 2 m.p.h.	Read. 29.22				
Set 40 °F	Char. STEADY	Corr. 29.09				
R. H. 94 %	24 hr. Mov. 120	Sea L. 30.37	0700 Clds. 7 NS 10 NS	1300 Clds. 10 NS	1900 Clds. [blacked out]	
Ppn. Liq. .21 in.	Prev. Dir. SE	3 hr. Tend. +1.01	Wx ..	Wx	Wx ..	
Ppn. Sol. 0 in.	Snow Depth 0 in.	Observer R.E.H.	Vis. 8	Vis. 9	Vis. 7	

47

APR 28 1958

0700 EST

Meteorological Observatory  
University Park, Pa.

Temp.		Wind		Barom.	General Obs.		
Max.	Dir.	Temp.	•• 0000E - 0620E • 0715E - 0900E				
47 °F	—	73					
Min.	Vel.	Read.					
39 °F	— m.p.h.	28.91					
Set	Char.	Corr.					
46 °F	CALM	28.78					
R. H.	24 hr. Mov.	Sea L.	0700	1300	1900		
97 %	147	30.07	Clds. 10 NS	Clds. 9+Fs	Clds. 10 As 3 Fs+Fc		
Ppn.	Liq.	Prev. Dir.	3 hr. Tend.	Wx	Wx	Wx	
53 in.	SSE	+0-					
Ppn.	Sol.	Snow Depth	Observer	Vis.	Vis.	Vis.	
0 in.	0 in.	J.F.W.	7	10	10	10	

44

APR 29 1958

0700 EST

Meteorological Observatory  
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	69 °F	Dir. SE	Temp. 76	☽ 0330E - 0530E ☽ 0950E - 1020E ☽ (scattered) 1020E - 1545E		
Min.	46 °F	Vel. 5 m.p.h.	Read. 28.72			
Set	62 °F	Char. VARIABLE	Corr. 28.58			
R. H.	84 %	24 hr. Mov. 80	Sea L. 29.82	0700 Clds. 9cs 3AC 3FC	1300 Clds. 10 CU	1900 Clds. 10 AC 3 CU
Ppn.	Liq. .01 in.	Prev. Dir. S	3 hr. Tend. -0.3L	Wx	Wx ☽	Wx
Ppn.	Sol. 0 in.	Snow Depth 0 in.	Observer E.F.W.	Vis. 7	Vis. 9	Vis. 10

(9)

APR 30 1958

0700 EST

Meteorological Observatory  
University Park, Pa.

Temp.		Wind		Barom.	General Obs.				
Max.	64 °F	Dir.	—	Temp.	74				
Min.	34 °F	Vel.	— m.p.h.	Read.	29.12				
Set	36 °F	Char.	CALM	Corr.	28.99				
R. H.	49 %	24 hr. Mov.	172	Sea L.	30.27	0700	1300	1900	
Ppn.	.31 in.	Prev. Dir.	NW	3 hr. Tend.	+3.21	Clds.	6 ci	9+ AC	4ci
Ppn.	0 in.	Snow Depth	0 in.	Observer	J.L.W.	Wx			
						Vis.	15	15	15

47