

JUL 1 1957

Meteorological Observatory
University Park, Pa.
General Obs.

66

Temp.		Wind		0700 EST				
Max.		Dir.		Barom.	Temp.			
77	°F	WNW		78				
Min.		Vel.		Read.				
56	°F	2	m.p.h.	28.76				
Set		Char.		Corr.				
58	°F	STEADY		28.67				
R. H.		24 hr. Mov.		Sea L.	0700	1300	1900	
64	%	216		29.85	Clds. 2 Ac	Clds. 3 Cu	Clds. 1 Sc	
Ppn. Liq.		Prev. Dir.		3 hr. Tend.	Wx	Wx	Wx	
0	in.	NW		3.01				
Ppn. Sol.		Snow Depth		Observer	Vis.	Vis.	Vis.	
-	in.	-	in.	REN	15	15	15	

JUL 2 1957

0700 EST

Meteorological Observatory
University Park, Pa.

(61)

Temp.		Wind	Barom.	General Obs.		
Max.	74 °F	Dir. Sw	Temp. 77			
Min.	49 °F	Vel. 1 m.p.h.	Read. 28.91			
Set	57 °F	Char. Weak	Corr. 28.77			
R. H.	76 %	24 hr. Mov. 165	Sea L. 30.01	0700 Clds. 2 Ci	1300 Clds. CLR	1900 Clds. CLR
Ppn. Liq.	0 in.	Prev. Dir. NW	3 hr. Tend. +1.1 /	Wx	Wx	Wx
Ppn. Sol.	- in.	Snow Depth - in.	Observer R.E.H.	Vis. 15	Vis. 15	Vis. 15

JUL 3 1957

0700 EST

Meteorological Observatory
University Park, Pa.

(64)

Temp.		Wind	Barom.	General Obs.		
Max.	78 °F	Dir. SW	Temp. 76	☉ 1800E - 2000E		
Min.	51 °F	Vel. 1 m.p.h.	Read. 28.93			
Set	54 °F	Char. SEAS WELL	Corr. 28.79			
R. H.	73 %	24 hr. Mov. 100	Sea L. 30.02	0700 Clds. 6Ac 7Cs	1300 Clds. 4Ci	1900 Clds. 8Cs
Ppn.	0 in.	Prev. Dir. NW	3 hr. Tend. +0.7 /	Wx	Wx	Wx
Ppn.	- in.	Snow Depth - in.	Observer R.E.H.	Vis. 15	Vis. 15	Vis. 15

JUL 4 1957 JUL 4 1957
0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind		Barom.	General Obs.		
Max.	86 °F	Dir.	—	Temp.	82		
Min.	54 °F	Vel.	— m.p.h.	Read.	28.77		
Set	67 °F	Char.	CALM	Corr.	28.62		
R. H.	84 %	24 hr. Mov.	133	Sea L.	0700	1300	1900
Ppn.	.01 in.	Prev. Dir.	SW	3 hr. Tend.	+0.81	Clds. CLR	
Ppn.	— in.	Snow Depth	— in.	Observer	REH.	Clds. 3Cu 8Ci 2Cu 8Ci	
					Vis.	12	15
							15

75

JUL 5 1957

0700 EST

Meteorological Observatory
University Park, Pa.

77

Temp.		Wind	Barom.	General Obs.		
Max.	86 °F	Dir. WSW	Temp. 84	⚡ 0130 - 0145E ⚡ 0500 - 0530E ⚡ 0545 - 0600E ⚡ --- 1620 - 1625E		
Min.	67 °F	Vel. 7 m.p.h.	Read. 28.57			
Set	71 °F	Char. Gusty	Corr. 28.41			
R. H.	83 %	24 hr. Mov. 175	Sea L. 29.61	0700 Clds. 6 Cu 7 Ac	1300 Clds. 4 Cu	1900 Clds. 2 Cu
Ppn. Liq.	.06 in.	Prev. Dir. SW	3 hr. Tend. +0.81	Wx	Wx	Wx
Ppn. Sol.	- in.	Snow Depth - in.	Observer REN	Vis. 15	Vis. 15	Vis. 15

JUL 6 1957

0700 EST

Meteorological Observatory
University Park, Pa.
General Obs.

(64)

Temp.		Wind		Barom.		General Obs.					
Max.	80 °F	Dir.	W	Temp.	82	V 171SE -1730E					
Min.	54 °F	Vel.	2 m.p.h.	Read.	28.84						
Set	57 °F	Char.	Steady	Corr.	28.69						
R. H.	64 %	24 hr. Mov.	183	Sea L.	28.92	0700	1300	1900			
Ppn.	T in.	Prev. Dir.	WNW	3 hr. Tend.	+1.0x	Clds.	CLR	Clds.	4 Cu	Clds.	3 Cu
Ppn.	- in.	Snow Depth	- in.	Observer	REH.	Wx		Wx		Wx	
						Vis.	15	Vis.	15	Vis.	15

JUL 7 1957

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	79 °F	Dir. —	Temp. 81			
Min.	57 °F	Vel. — m.p.h.	Read. 29.87			
Set	62 °F	Char. Calm	Corr. 29.72			
R. H.	77 %	24 hr. Mov. 091	Sea L. 29.96	0700 Clds. 8Cu	1300 Clds. 9Cs 6Cu	1900 Clds. 7Cs 3Cu
Ppn. Liq.	T in.	Prev. Dir. W	3 hr. Tend. +0.71	Wx	Wx	Wx
Ppn. Sol.	— in.	Snow Depth — in.	Observer REW	Vis. 15	Vis. 15+	Vis. 15+

JUL 8 1957

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max. 83 °F	Dir. —		Temp. 75	† 1410 - 1635 E • 1915 - 2340 E		
Min. 60 °F	Vel. — m.p.h.	Read. 28.90				
Set 62 °F	Char. CALM	Corr. 28.77				
R. H. 88 %	24 hr. Mov. 67	Sea L. 29.99	0700	1300	1900	
			Clds. 10 As 3 Ac	Clds. 10 As 4 Cu	Clds. 10 As 4 Cu	
Ppn. Liq. — in.	Prev. Dir. WSW	3 hr. Tend. +0.9	Wx ≡	Wx	Wx	
Ppn. Sol. — in.	Snow Depth — in.	Observer EJW	Vis. .4	Vis. 7	Vis. 7	

70

JUL 9 1957

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	Dir.	Temp.				
75 °F	SW	80				
Min.	Vel.	Read.				
62 °F	4 m.p.h.	28.73				
Set	Char.	Corr.				
70 °F	STEADY	28.58				
R. H.	24 hr. Mov.	Sea L.	0700	1300	1900	
90 %	110	29.90	Clds. 9+ SC 1 FC	Clds. 7CU	Clds. CLR	
Ppn. Liq.	Prev. Dir.	3 hr. Tend.	Wx	Wx	Wx	
0.09 in.	SW	+1.5 ✓	≡			
Ppn. Sol.	Snow Depth	Observer	Vis.	Vis.	Vis.	
— in.	— in.	Z.V.W.	5	15	15+	

70

JUL 10 1957

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	85 °F	Dir. WNW	Temp. 80			
Min.	55 °F	Vel. 5 m.p.h.	Read. 28.92			
Set	57 °F	Char. STEADY	Corr. 28.77			
R. H.	63 %	24 hr. Mov. 171	Sea L. 29.99	0700 Clds. 35c	1300 Clds. 8c	1900 Clds. 1c
Ppn. Liq.	— in.	Prev. Dir. NW	3 hr. Tend. +2.61	Wx	Wx	Wx
Ppn. Sol.	— in.	Snow Depth — in.	Observer E.Y.W.	Vis. 15+	Vis. 15+	Vis. 15+

70

JUL 11 1957

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	74 °F	Dir. SW	Temp. 79	RW- 0710-0745 E RW- 0745-0750 E RW- 0830-0850 E		
Min.	54 °F	Vel. 3 m.p.h.	Read. 28.95			
Set	59 °F	Char. STEADY	Corr. 28.81			
R. H.	62 %	24 hr. Mov. 141	Sea L. 30.05	0700	1300	1900
Ppn.	Liq. — in.	Prev. Dir. NW	3 hr. Tend. -0.2	Clds. 1 AS 2 SC	Clds. 10 CU	Clds. 10 CU
Ppn.	Sol. — in.	Snow Depth — in.	Observer J.Y.W.	Wx	Wx	Wx
				Vis. 12	Vis. 12	Vis. 7

63

JUL 12 1957

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	74 °F	Dir.	Temp.			
			79			
Min.	59 °F	Vel.	Read.			
		m.p.h.	28.87			
Set	66 °F	Char.	Corr.			
		CALM	28.73			
R. H.	82 %	24 hr. Mov.	Sea L.	0700	1300	1900
		29.98	29.94	Clds.	Clds.	Clds.
				9+st	8C: 9cs 2CU	8Cs
Ppn. Liq.	T in.	Prev. Dir.	3 hr. Tend.	Wx	Wx	Wx
		W	+0.8	≡		
Ppn. Sol.	— in.	Snow Depth	Observer	Vis.	Vis.	Vis.
		— in.	E.Y.W.	3	12	12

77

JUL 13 1957

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	85 °F	Dir. —	Temp. 83	RW-0542-0550E RW-0625-1115E RW-1450-1845E RW-2215-2400E		
Min.	65 °F	Vel. — m.p.h.	Read. 28.78			
Set	70 °F	Char. CALM	Corr. 28.63			
R. H.	84 %	24 hr. Mov. 79	Sea L. 29.86	0700 Clds. 10 sc 3 Fs	1300 Clds. 10 cu	1900 Clds. 10 cu
Ppn. Liq.	7 in.	Prev. Dir. SW	3 hr. Tend. -0.2 L	Wx •	Wx	Wx
Ppn. Sol.	— in.	Snow Depth — in.	Observer E.Y.W.	Vis. 7	Vis. 9	Vis. 9

75

JUL 14 1957

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	82 °F	Dir. —	Temp. 80	RW- 0000-0050E		
Min.	66 °F	Vel. — m.p.h.	Read. 28.83			
Set	68 °F	Char. CALM	Corr. 28.68			
R. H.	92 %	24 hr. Mov. 75	Sea L. 29.91	0700 Clds. 10 St	1300 Clds. 5 Cu	1900 Clds. 4 Cu
Ppn. Liq.	0.12 in.	Prev. Dir. WNW	3 hr. Tend. 1.4	Wx ≡	Wx	Wx
Ppn. Sol.	— in.	Snow Depth — in.	Observer J.V.W.	Vis. 2	Vis. 15	Vis. 15

68

JUL 15 1957

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	87 °F	Dir. —	Temp. 82			
Min.	64 °F	Vel. — m.p.h.	Read. 28.91			
Set	66 °F	Char. CALM	Corr. 28.76			
R. H.	88 %	24 hr. Mov. 070	Sea L. 29.97	0700 Clds. 10As	1300 Clds. 4 Cu	1900 Clds. 1As
Ppn.	0 in.	Prev. Dir. N	3 hr. Tend. +0.61	Wx	Wx	Wx
Ppn.	— in.	Snow Depth — in.	Observer REN	Vis. 10	Vis. 15	Vis. 15

14

JUL 15 1957

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	81 °F	Dir. —	Temp. 82	/		
Min.	51 °F	Vel. — m.p.h.	Read. 29.01			
Set	55 °F	Char. CALM	Corr. 28.86			
R. H.	78 %	24 hr. Mov. 158	Sea L. 30.09	0700	1300	1900
Ppn. Liq.	0 in.	Prev. Dir. NNE	3 hr. Tend. +1.51	Clds. CLR	Clds. 7c	Clds. 4c
Ppn. Sol.	— in.	Snow Depth — in.	Observer REH	Wx	Wx	Wx
				Vis. 15	Vis. 15	Vis. 15

65)

JUL 16 1957

0700 EST

Meteorological Observatory
University Park, Pa.

(68)

Temp.		Wind	Barom.	General Obs.		
Max.	82 °F	Dir. —	Temp. 82			
Min.	54 °F	Vel. — m.p.h.	Read. 29.05			
Set	57 °F	Char. CALM	Corr. 28.90			
R. H.	87 %	24 hr. Mov. 044	Sea L. 30.13	0700 Clds. 10 C _{hi}	1300 Clds. 7C _{ci} +C _{st}	1900 Clds. 1Sc
Ppn. Liq.	0 in.	Prev. Dir. NE	3 hr. Tend. +0.6/	Wx	Wx	Wx
Ppn. Sol.	— in.	Snow Depth — in.	Observer R.L.H.	Vis. 15	Vis. 15	Vis. 15

70 JUL 18 1957

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	84 °F	Dir. NE	Temp. 74			
Min.	57 °F	Vel. 1 m.p.h.	Read. 29.04			
Set	58 °F	Char. W00K	Corr. 28.91	0700	1300	1900
R. H.	80 %	24 hr. Mov. 113	Sea L. 30.13	Clds. 5Sc	Clds. 5Cu 6C	Clds. 1Cu
Ppn.	Liq. 0 in.	Prev. Dir. NE	3 hr. Tend. +1.61	Wx	Wx	Wx
Ppn.	Sol. - in.	Snow Depth - in.	Observer R.E.H.	Vis. 15	Vis. 15	Vis. 15

JUL 19 1957

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	84 °F	Dir. —	Temp. 82			
Min.	58 °F	Vel. — m.p.h.	Read. 29.06			
Set	62 °F	Char. CALM	Corr. 28.91			
R. H.	84 %	24 hr. Mov. 068	Sea L. 30.13	0700 Clds. 3Sc	1300 Clds. 3Cu	1900 Clds. CU
Ppn. Liq.	0 in.	Prev. Dir. 5	3 hr. Tend. +0.3	Wx	Wx	Wx
Ppn. Sol.	— in.	Snow Depth — in.	Observer R.E.H.	Vis. 15	Vis. 15	Vis. 15

(71)

JUL 20 1957

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	87 °F	Dir. —	Temp. 84			
Min.	62 °F	Vel. — m.p.h.	Read. 29.00			
Set	64 °F	Char. CALM	Corr. 28.84	0700	1300	1900
R. H.	87 %	24 hr. Mov. 067	Sea L. 30.05	Clds. CLR	Clds. CLR	Clds. CLR
Ppn. Liq.	0 in.	Prev. Dir. SSW	3 hr. Tend. +0.21	Wx	Wx	Wx
Ppn. Sol.	— in.	Snow Depth — in.	Observer REH	Vis. 15	Vis. 15	Vis. 15

(74)

JUL 21 1957

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	94 °F	Dir. —	Temp. 85			
Min.	62 °F	Vel. — m.p.h.	Read. 28.92			
Set	64 °F	Char. CALM	Corr. 29.76	0700	1300	1900
R. H.	76 %	24 hr. Mov. 137	Sea L. 29.97	Clds. CLR	Clds. 4CU	Clds. 8CU
Ppn. Liq.	0 in.	Prev. Dir. SW	3 hr. Tend. +0.61	Wx	Wx	Wx
Ppn. Sol.	— in.	Snow Depth — in.	Observer R.E.H.	Vis. 15	Vis. 15	Vis. 15

76

JUL 22 1957

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max. 94 °F	Dir. SW	Temp. 82	TRW 2038 - 2055 RW 2055 - 2245			
Min. 62 °F	Vel. 4 m.p.h.	Read. 28.81				
Set 73 °F	Char. VARIABLE	Corr. 28.66				
			0700	1300	1900	
R. H. 89 %	24 hr. Mov. 70	Sea L. 29.87	Clds. CLR	Clds. 6 CU	Clds. 9 CU	
Ppn. Liq. — in.	Prev. Dir. f SW	3 hr. Tend. -0.22	Wx ≡	Wx	Wx	
Ppn. Sol. — in.	Snow Depth — in.	Observer E.V.W.	Vis. 3	Vis. 12	Vis. 12	

77

JUL 23 1957

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	92 °F	Dir. N	Temp. 85	RW 0220 - 1050E		
Min.	66 °F	Vel. 4 m.p.h.	Read. 28.78			
Set	67 °F	Char. STEADY	Corr. 28.62			
R. H.	95 %	24 hr. Mov. 134	Sea L. 29.82	0700 Clds. 10 FC	1300 Clds. 10 AS → AC 7 CU	1900 Clds. 7 CS 3 AC 2 CU
Ppn. Liq.	0.99 in.	Prev. Dir. NW	3 hr. Tend. ± 0.0	Wx RW/≡	Wx	Wx
Ppn. Sol.	— in.	Snow Depth — in.	Observer J.Y.W.	Vis. 1 1/2	Vis. 10	Vis. 12

78

JUL 24 1957

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	Dir.	Temp.				
75 °F	—	77				
Min.	Vel.	Read.				
52 °F	— m.p.h.	28.92				
Set	Char.	Corr.				
56 °F	CALM	28.78	0700	1300	1900	
R. H.	24 hr. Mov.	Sea L.	Clds.	Clds.	Clds.	
78 %	96	30.02	1 CU	7 CU	2 CU	
Ppn. Liq.	Prev. Dir.	3 hr. Tend.	Wx	Wx	Wx	
0.06 in.	NNE	+2.0				
Ppn. Sol.	Snow Depth	Observer	Vis.	Vis.	Vis.	
— in.	— in.	J.Y.W.	10	15+	15+	

63

JUL 25 1957

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max. 74 °F	Dir. —	Temp. 75				
Min. 50 °F	Vel. — m.p.h.	Read. 29.04				
Set 55 °F	Char. CALM	Corr. 28.91				
R. H. 67 %	24 hr. Mov. 96	Sea L. 30.15	0700 Clds. 2ci	1300 Clds. 7ci 3cu	1900 Clds. 9ci 9cs 2cu	
Ppn. — in.	Liq. — in.	Prev. Dir. N	3 hr. Tend. +1.6	Wx	Wx	Wx
Ppn. — in.	Sol. — in.	Snow Depth — in.	Observer E.Y.W.	Vis. 15+	Vis. 15+	Vis. 15+

62

JUL 26 1957

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	78 °F	Dir. —	Temp. 81			
Min.	55 °F	Vel. — m.p.h.	Read. 29.07			
Set	60 °F	Char. CALM	Corr. 28.92			
R. H.	86 %	24 hr. Mov. 37	Sea L. 30.15	0700 Clds. 10cs 8AS 2Ac	1300 Clds. 10cs 8AS 1cs	1900 Clds. 9cs 2cs 7Ac
Ppn.	— in.	Prev. Dir. N	3 hr. Tend. +0.8	Wx	Wx	Wx
Ppn.	— in.	Snow Depth — in.	Observer E.Y.W.	Vis. 7	Vis. 12	Vis. 15+

68

JUL 27 1957

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max. 79 °F		Dir. SSE	Temp. 79	RW- 0542-0553 E		
Min. 60 °F		Vel. 4 m.p.h.	Read. 29.01	R 0725-0915 E RW- 0934-0840 E		
Set 67 °F		Char. STEADY	Corr. 28.87			
R. H. 61 %		24 hr. Mov. 87	Sea L. 30.09	0700 Clds. 7AL 2CU	1300 Clds. 8AL 3CU	1900 Clds. 4AL 1CU
Ppn. Liq. T in.		Prev. Dir. SW	3 hr. Tend. ±0.0-	Wx	Wx	Wx
Ppn. Sol. — in.		Snow Depth — in.	Observer E.Y.W.	Vis. 7	Vis. 12	Vis. 12

71

JUL 28 1957

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	Dir.	Temp.				
80 °F	—	79				
Min.	Vel.	Read.				
61 °F	— m.p.h.	28.96				
Set	Char.	Corr.				
63 °F	CALM	28.82				
			0700	1300	1900	
R. H.	24 hr. Mov.	Sea L.	Clds.	Clds.	Clds.	
90 %	94	30.04	10 Sc	6 Cu	3 Cu 5 Sc 7 Ci	
Ppn. Liq.	Prev. Dir.	3 hr. Tend.	Wx	Wx	Wx	
0.10 in.	SW	+0.71				
Ppn. Sol.	Snow Depth	Observer	Vis.	Vis.	Vis.	
— in.	— in.	E.F.W.	7	15	15	

70

JUL 29 1957

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max. 85 °F	Dir. —	Temp. 82	TRW -- 1240 - 1250E TRW in area 1200 - 1330E			
Min. 62 °F	Vel. — m.p.h.	Read. 28.88				
Set 65 °F	Char. CALM	Corr. 28.73	0700	1300	1900	
R. H. 92 %	24 hr. Mov. 048	Sea L. 29.94	Clds. 3As 7 CwC	Clds. 6 Cu	Clds. 7 Cu 6 Ac	
Ppn. Liq. 0 in.	Prev. Dir. SSW	3 hr. Tend. 0	Wx	Wx	Wx	
Ppn. Sol. — in.	Snow Depth — in.	Observer R.H.	Vis. 12	Vis. 15	Vis. 15	

JUL 30 1957

0700 EST

Meteorological Observatory
University Park, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	89 °F	Dir. —	Temp. 84			
Min.	64 °F	Vel. — m.p.h.	Read. 28.93			
Set	65 °F	Char. calm	Corr. 28.77			
R. H.	94 %	24 hr. Mov. 062	Sea L. 28.98	0700 Clds. CLR	1300 Clds. Sc Ac	1900 Clds. Ashe
Ppn.	Liq. ↑ in.	Prev. Dir. SW	3 hr. Tend. +0.41	Wx ≡	Wx	Wx ≡
Ppn.	Sol. — in.	Snow Depth — in.	Observer R.E.H.	Vis. 6	Vis. 15	Vis. 6

(75)

JUL 3 1957

0700 EST

**Meteorological Observatory
University Park, Pa.**

(74)

Temp.		Wind		Barom.		General Obs.		
Max.	87 °F	Dir.	SW	Temp.	85			
Min.	65 °F	Vel.	1 m.p.h.	Read.	28.76			
Set	67 °F	Char.	STEADY	Corr.	28.60			
R. H.	88 %	24 hr. Mov.	076	Sea L.	29.81	0700	1300	1800
Ppn.	0 in.	Prev. Dir.	SW	3 hr. Tend.	+0.3 ✓	Clds. 7 AM 9 AM	Clds. 10	Clds. 19
Ppn.	- in.	Snow Depth	- in.	Observer	REN.	Wx E	Wx	Wx
				Observer	REN.	Vis. 5	Vis. 10	Vis. 15