

OCT 0 1956

0700 EST

Meteorological Observatory
State College, Pa.

55

Temp.		Wind	Barom.	General Obs.		
Max.	72 ° F	Dir. NW	Temp. 78			
Min.	42 ° F	Vel. 2 m.p.h.	Read. 29.02			
Set	43 ° F	Char. SARIADE	Corr. 28.88			
R. H.	70 %	24 hr. Mov. 139	Sea L. 30.14	0700 Clds. CLC	1300 Clds. 1C5	1900 Clds. 56
Ppn. Liq.	- in.	Prev. Dir. SW	3 hr. Tend. 29.9mb	Wx	Wx	Wx
Ppn. Sol.	- in.	Grnd. Cvr. -	Observer RWH.	Vis. 10+	Vis. 10+	Vis. 10

067 02 1950

0700 EST

Meteorological Observatory
State College, Pa.

52)

Temp.		Wind	Barom.	General Obs.		
Max.	70 ° F	Dir. CALM	Temp. 79	Sun Day		
Mfn.	41 ° F	Vel. CALM m.p.h.	Read. 28.85			
Set	42 ° F	Char. VARIABLE	Corr. 28.71			
R. H.	94 %	24 hr. Mov. 76	Sea L. 29.97	0700 Clds. 3 As Mc 7 Ci	1300 Clds. 7 CC	1900 Clds. 70 St 70 Low 70 High
Ppn. Liq.	0 in.	Prev. Dir. W	3 hr. Tend. -0.5mb.	Wx	Wx	Wx
Ppn. Sol.	- in.	Grnd. Cvr. - in.	Observer REN	Vis. 10	Vis. 10	Vis. 7

OCT 03 1936

0700 EST

Meteorological Observatory
State College, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	75 ° F	Dir. NW	Temp. 77	SON DOG 1815E		
Min.	42 ° F	Vel. 2 m.p.h.	Read. 28.92			
Set	52 ° F	Char. VARIABLE	Corr. 28.78			
R. H.	92 %	24 hr. Mov. 109	Sea L. 30.02	0700 Clds. 3Fc	1300 Clds. 3Cc	1900 Clds. 5Cc
Ppn. Liq.	T - in.	Prev. Dir. SW	3 hr. Tend. +2.8mb	Wx ∞	Wx	Wx
Ppn. Sol.	- in.	Grnd. Cvr. - in.	Observer REN	Vis. 7	Vis. 10	Vis. 10

62

1700-1830

OCT 04 1956

0700 EST

Meteorological Observatory
State College, Pa.

(61)

Temp.		Wind	Barom.	General Obs.		
Max.	71 °F	Dir. NNE	Temp. 68	E 0230 - 1205E		
Min.	52 °F	Vel. 3 m.p.h.	Read. 28.81			
Set	53 °F	Char. Steady	Corr. 28.69			
R. H.	96 %	24 hr. Mov. 063	Sea L. 29.93	0700 Clds. X Pncip	1300 Clds. LOSt 10	1900 Clds. 7/8 + 11 AcAu
Ppn. Liq.	0.58 in.	Prev. Dir. NE	3 hr. Tend. -0.8mb	Wx ●●≡	Wx R--F	Wx F
Ppn. Sol.	- in.	Grnd. Cvr. - in.	Observer RSH.	Vis. 3/4	Vis. 1 1/2	Vis. 3

107 15 1950

0700 EST

Meteorological Observatory
State College, Pa.

54)

Temp.		Wind	Barom.	General Obs.		
Max.	62 °F	Dir. N	Temp. 76			
Min.	46 °F	Vel. 2 m.p.h.	Read. 29.06			
Set	47 °F	Char. Steady	Corr. 28.92			
R. H.	87 %	24 hr. Mov. 72	Sea L. 30.18	0700 Clds. Po Fc	1300 Clds. CLR	1900 Clds. CLR
Ppn. Liq.	0.47 in.	Prev. Dir. W	3 hr. Tend. +2.6mm	Wx	Wx	Wx
Ppn. Sol.	- in.	Grnd. Cvr. -	Observer KEH	Vis. 10	Vis. 10	Vis. 10

OCT 06 1956

0700 EST

Meteorological Observatory
State College, Pa.

Temp.		Wind	Barom.	General Obs.		
Max. 61 ° F	Dir. CALM	Temp. 73	R-- 0930E - 1000E R-- 1100E - 1600E			
Min. 39 ° F	Vel. CALM m.p.h.	Read. 29.06				
Set 44 ° F	Char. -	Corr. 29.93				
R. H. 64 %	24 hr. Mov. 98	Sea L. 30.20	0700 Clds. 8Fs 10 Cu	1300 Clds. 8Fs 10 Cu	1900 Clds. 10St	
Ppn. Liq. 0 in.	Prev. Dir. NE	3 hr. Tend. -0.6mb	Wx	Wx R--	Wx	
Ppn. Sol. - in.	Grnd. Cvr. - in.	Observer REW.	Vis. 10	Vis. 7	Vis. 7	

00 27 1956

0700 EST

Meteorological Observatory
State College, Pa.

52

Temp.		Wind	Barom.	General Obs.		
Max.	57 ° F	Dir. W	Temp. 76	TRW 0100E - 0400E ∇ 1800-1900		
Min.	44 ° F	Vel. 5 m.p.h.	Read. 28.65			
Set	49 ° F	Char. Steady	Corr. 28.51			
R. H.	73 %	24 hr. Mov. 153	Sea L. 29.78	0700 Clds. 4 Sc	1300 Clds. 9 Sc	1900 Clds. 10 Sc
Ppn. Liq.	0.58 in.	Prev. Dir. S	3 hr. Tend. +2.2mb	Wx	Wx	Wx ∅
Ppn. Sol.	- in.	Grnd. Cvr. -	Observer RFH	Vis. 10	Vis. 15	Vis. 15

OCT 08 1956

0700 EST

Meteorological Observatory
State College, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.		Dir.	Temp.			
55 ° F		SW	74			
Min.		Vel.	Read.			
41 ° F		4 m.p.h.	28.93			
Set		Char.	Corr.			
42 ° F		Steady	28.80			
R. H.		24 hr. Mov.	Sea L.	0700	1300	1900
75 %		226	30.07	Clds.	Clds.	Clds.
				clear	clear	clear
Ppn.	Liq.	Prev. Dir.	3 hr. Tend.	Wx	Wx	Wx
		WSW	+17			
Ppn.	Sol.	Grnd. Cvr.	Observer	Vis.	Vis.	Vis.
			G.H.	18	20	20
	in.	in.				

OCT 09 1956

0700 EST

Meteorological Observatory
State College, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	68 ° F	Dir. NW	Temp. 75			
Min.	42 ° F	Vel. 6 m.p.h.	Read. 28.93			
Set	49 ° F	Char. Steady	Corr. 28.80			
R. H.	48 %	24 hr. Mov. 191	Sea L. 30.07	0700 Clds. 1ci	1300 Clds. Clear	1900 Clds. Clear
Ppn. Liq.	— in.	Prev. Dir. W	3 hr. Tend. +27 ✓	Wx	Wx	Wx
Ppn. Sol.	— in.	Grnd. Cvr. — in.	Observer G.H.	Vis. 20	Vis. 25	Vis. 25

067 10 1956

0700 EST

Meteorological Observatory
State College, Pa.
General Obs.

Temp.		Wind	Barom.		General Obs.		
Max.	59 ° F	Dir. —	Temp.	73			
Min.	35 ° F	Vel. — m.p.h.	Read.	29.27			
Set	35 ° F	Char. Calm	Corr.	29.14			
R. H.	70 %	24 hr. Mov.	Sea L.	30.42	0700	1300	1900
Ppn. Liq.	— in.	Prev. Dir.	3 hr. Tend.	+2.61	Clds. clear	Clds. clear	Clds. clear
Ppn. Sol.	— in.	Grnd. Cvr.	Observer	G.A.H.	Wx	Wx	Wx
			Observer	G.A.H.	Vis. 25	Vis. 20	Vis. 20

OCT 1 1956

0700 EST

Meteorological Observatory
State College, Pa.

Temp.		Wind	Barom.	General Obs.		
Max. 55 ° F	Dir. —	Temp. 76				
Min. 30 ° F	Vel. — m.p.h.	Read. 29.36				
Set 30 ° F	Char. cabin	Corr. 29.22				
R. H. 85 %	24 hr. Mov. 087	Sea L. 30.52	0700 Clds. cln	1300 Clds. cln	1900 Clds. 2ci	
Ppn. Liq. — in.	Prev. Dir. N	3 hr. Tend. +11	Wx	Wx	Wx	
Ppn. Sol. — in.	Grnd. Cvr. — in.	Observer Ch	Vis. 17	Vis. 20	Vis. 20	

OCT 12 1956

0700 EST

Meteorological Observatory
State College, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	56 ° F	Dir.	76	1700 0		
Min.	28 ° F	Vel.	29.36			
Set	35 ° F	Char.	29.23			
R. H.	80 %	24 hr. Mov.	Sea L.	0700	1300	1900
		051	30.51	Clds.	Clds.	Clds.
Ppn.	Liq.	Prev. Dir.	3 hr. Tend.	8Ac	4ci	9ci
	— in.	N	+16r	Wx	Wx	Wx
Ppn.	Sol.	Grnd. Cvr.	Observer	0		
	— in.	— in.	67/101	Vis.	Vis.	Vis.
				15	20	20

OCT 13 1956

0700 EST

Meteorological Observatory
State College, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	58° F	Dir. —	Temp. 73			
Min.	35° F	Vel. — m.p.h.	Read. 29.25			
Set	40° F	Char. calm	Corr. 29.12			
R. H.	90 %	24 hr. Mov. 072	Sea L. 30.40	0700	1300	1900
Ppn. Liq.	— in.	Prev. Dir. S	3 hr. Tend. -00	Clds. 8ci	Clds. 1ci	Clds. 1ci
Ppn. Sol.	— in.	Grnd. Cvr. — in.	Observer GPN	Wx =0	Wx	Wx
			Observer	Vis. 7	Vis. 18	Vis. 18

OCT 14 1956

0700 EST

Meteorological Observatory
State College, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	67 ° F	Dir.	Temp.			
		—	76			
Min.	40 ° F	Vel.	Read.			
		— m.p.h.	29.17			
Set	42 ° F	Char.	Corr.			
		calm	29.03			
R. H.	95 %	24 hr. Mov.	Sea L.	0700	1300	1900
		047	30.31	Clds.	Clds.	Clds.
				Clear	CLR	CLR
Ppn. Liq.	— in.	Prev. Dir.	3 hr. Tend.	Wx	Wx	Wx
		SW	+11 ✓	=		
Ppn. Sol.	— in.	Grnd. Cvr.	Observer	Vis.	Vis.	Vis.
		— in.	GAN.	1/8	10	10

OCT 15 1956

0700 EST

Meteorological Observatory
State College, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	77 ° F	Dir. CALM	Temp. 79	Visby 1 mile to S.		
Min.	42 ° F	Vel. CALM m.p.h.	Read. 29.18			
Set	47 ° F	Char. CALM	Corr. 29.04			
R. H.	94 %	24 hr. Mov. 36	Sea L. 30.29	0700 Clds. CLR	1300 Clds. CLR	1900 Clds. CLR
Ppn. Liq.	0 in.	Prev. Dir. S	3 hr. Tend. +1.4mb	Wx =	Wx	Wx
Ppn. Sol.	- in.	Grnd. Cvr. - in.	Observer REH	Vis. 3	Vis. 10	Vis. 10

58)

OCT 16 1958

0700 EST

Meteorological Observatory
State College, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	78 ° F	Dir. —	Temp. 79			
Min.	45 ° F	Vel. — m.p.h.	Read. 29.17			
Set	45 ° F	Char. CALM	Corr. 29.03			
R. H.	93 %	24 hr. Mov. 40	Sea L. 30.28	0700 Clds. 2 Ci	1300 Clds. 2 Ci	1900 Clds. 3 Ci
Ppn. Liq.	0 in.	Prev. Dir. SSE	3 hr. Tend. +0.9 mb	Wx ☁	Wx	Wx
Ppn. Sol.	— in.	Grnd. Cvr. — in.	Observer REH	Vis. 7	Vis. 10	Vis. 10

59)

OCT 17 1955

0700 EST

Meteorological Observatory
State College, Pa.

Temp.		Wind	Barom.	General Obs.		
Max. 81 °F	Dir. —	Temp. 75	Vsbly 1 SEW-W CONTRAILS @ 1400E			
Min. 45 °F	Vel. — m.p.h.	Read. 29.05				
Set 47 °F	Char. CALM	Corr. 28.91				
R. H. 94 %	24 hr. Mov. 37	Sea L. 30.16	0700	1300	1900	
			Clds. 3C	Clds. 7/10 Cs	Clds. 8/10 G	
Ppn. Liq. 0 in.	Prev. Dir. SE	3 hr. Tend. +0.5mb	Wx =	Wx	Wx	
Ppn. Sol. — in.	Grnd. Cvr. — in.	Observer R.E.H.	Vis. 5	Vis. 10	Vis. 10	

59)

067 18 1850

0700 EST

Meteorological Observatory
State College, Pa.

Temp.		Wind	Barom.	General Obs.		
Max. 76 ° F	Dir. —		Temp. 79	☉ 1100E - 1230E ☾ 1600E		
Min. 47 ° F	Vel. — m.p.h.		Read. 28.83			
Set 51 ° F	Char. CALM		Corr. 28.69			
R. H. 82 %	24 hr. Mov. 24	Sea L. 29.94	0700 Clds. 50 100	1300 Clds. 100 80	1900 Clds. 80	
Ppn. Liq. 0 in.	Prev. Dir. E (VAR.)	3 hr. Tend. 0	Wx 20	Wx	Wx	
Ppn. Sol. — in.	Grnd. Cvr. — in.	Observer REU.	Vis. 6	Vis. 10	Vis. 10	

60)

1950

0700 EST

Meteorological Observatory
State College, Pa.

50)

Temp.		Wind	Barom.	General Obs.		
Max.	75 °F	Dir. NNE	Temp. 75			
Min.	37 °F	Vel. 3 m.p.h.	Read. 29.21			
Set	37 °F	Char. STEADY	Corr. 29.07			
R. H.	63 %	24 hr. Mov. 127	Sea L. 30.34	0700 Clds. 9Cs	1300 Clds. 5AsAc 8Cs	1900 Clds. 10AsAc
Ppn. Liq.	0 in.	Prev. Dir. NNE	3 hr. Tend. +3.0mb.	Wx	Wx	Wx
Ppn. Sol.	- in.	Grnd. Cvr. -	Observer REH	Vis. 10	Vis. 10	Vis. 10

OCT 20 1956

0700 EST

Meteorological Observatory
State College, Pa.

Temp.		Wind	Barom.	General Obs.		
Max. 59 °F	Dir. SSE	Temp. 78	Intro. R - - 1830-1845T Intro. R - - 2130E-2230S			
Min. 37 °F	Vel. 6 m.p.h.	Read. 29.24				
Set 47 °F	Char. STEADY	Corr. 29.10				
R. H. 66 %	24 hr. Mov. 107	Sea L. 30.38	0700 Clds. 45c 10 As Ac	1300 Clds. 75c 10 As Ac	1900 Clds. 35c 10 As Ac	
Ppn. Liq. 0 in.	Prev. Dir. S	3 hr. Tend. +0.1 mb	Wx	Wx	Wx	
Ppn. Sol. - in.	Grnd. Cvr. - in.	Observer RST	Vis. 10	Vis. 10	Vis. 10	

51)

OCT 21 1956

Temp.		Wind		0700 EST		Meteorological Observatory State College, Pa. General Obs.		
Max.	56 °F	Dir.	—	Barom.	Temp.			
Min.	47 °F	Vel.	—	Read.	77			
Set	47 °F	m.p.h.		29.11				
R. H.	93 %	Char.	CALM	Corr.	25.97			
Ppn.	T in.	24 hr. Mov.	101	Sea L.	30.24	0700	1300	1900
Liq.		Prev. Dir.	5	3 hr. Tend.	0	Clds.	Clds.	Clds.
Sol.	— in.	Grnd. Cvr.	— in.	Observer	REW.	7F _a 5A ₃ A ₂	5c: 5x	8s: 1c: 1i
				Wx	∞	Wx	Wx	Wx
				Vis.	6	18	18	18

57)

OCT 22 1956

0700 EST

Meteorological Observatory
State College, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	65 ° F	Dir. E	Temp. 78	• 1110 - 2400		
Min.	47 ° F	Vel. 4 m.p.h.	Read. 28.96			
Set	56 ° F	Char. Steady	Corr. 28.82			
R. H.	80 %	24 hr. Mov. 085	Sea L. 30.09	0700 Clds. 10Sc	1300 Clds. 10Ns	1900 Clds. 10Ns
Ppn. Liq.	— in.	Prev. Dir. SE	3 hr. Tend. -0.27	Wx	Wx •	Wx •
Ppn. Sol.	— in.	Grnd. Cvr. — in.	Observer GZH.	Vis. 10	Vis. 6	Vis. 3

OCT 23 1956

0700 EST

Meteorological Observatory
State College, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	Dir.	Temp.	• 0000 - 0330			
61 ° F	—	78				
Min.	Vel.	Read.				
55 ° F	— m.p.h.	28.78				
Set	Char.	Corr.				
57 ° F	calm	28.64				
R. H.	24 hr. Mov.	Sea L.	0700	1300	1900	
100 %	074	29.89	Clds.	Clds.	Clds.	
			10st.	8Cu	10sc	
Ppn. Liq.	Prev. Dir.	3 hr. Tend.	Wx	Wx	Wx	
2.23 in.	E	+12J				
Ppn. Sol.	Grnd. Cvr.	Observer	Vis.	Vis.	Vis.	
— in.	— in.	GDH.	1	15	10	

OCT 24 1956

0700 EST

Meteorological Observatory
State College, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.		Dir.	Temp.			
68 ° F		NNE	79			
Min.		Vel.	Read.			
56 ° F		10 m.p.h.	29.09			
Set		Char.	Corr.			
57 ° F		Steady	28.95			
R. H.		24 hr. Mov.	Sea L.	0700	1300	1900
70 %		078	30.21	Clds. 10st.	Clds. clear	Clds. clear
Ppn. Liq.		Prev. Dir.	3 hr. Tend.	Wx	Wx	Wx
— in.		NE	+40/			
Ppn. Sol.		Grnd. Cvr.	Observer	Vis.	Vis.	Vis.
— in.		← in.	GKH.	10	20	20

OCT 25 1956

0700 EST

Meteorological Observatory
State College, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	60 ° F	Dir. NE	Temp. 76			
Min.	34 ° F	Vel. 2 m.p.h.	Read. 29.36			
Set	34 ° F	Char. Steady	Corr. 29.23			
R. H.	95 %	24 hr. Mov. 125	Sea L. 30.51	0700 Clds. clear	1300 Clds. clear	1900 Clds. clear
Ppn. Liq.	— in.	Prev. Dir. NE	3 hr. Tend. +19 >	Wx = W	Wx	Wx
Ppn. Sol.	— in.	Grnd. Cvr. — in.	Observer E.H.	Vis. 15	Vis. 20	Vis. 20

OCT 26 1956

0700 EST

Meteorological Observatory
State College, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	54 ° F	Dir. E	Temp. 76	2130 - 2400 °		
Min.	34 ° F	Vel. 7 m.p.h.	Read. 29.26			
Set	43 ° F	Char. Steady	Corr. 29.12			
R. H.	60 %	24 hr. Mov. 181	Sea L. 30.40	0700 Clds. 10As 1st	1300 Clds. 10 As	1900 Clds. 10 As
Ppn. Liq.	— in.	Prev. Dir. NE	3 hr. Tend. -1.0 \	Wx	Wx	Wx
Ppn. Sol.	— in.	Grnd. Cvr. — in.	Observer GRN	Vis. 18	Vis. 15	Vis. 10

OCT 27 1930

0700 EST

Meteorological Observatory
State College, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	48 ° F	Dir. NE	Temp. 76	000 - 0600 cess - 0600		
Min.	43 ° F	Vel. 2 m.p.h.	Read. 29.12			
Set	46 ° F	Char. steady	Corr. 28.98	0700	1300	1900
R. H.	100 %	24 hr. Mov. 085	Sea L. 30.26	Clds. 10st.	Clds. 10st	Clds. 10st.
Ppn. Liq.	0.28 in.	Prev. Dir. NE	3 hr. Tend. +0.91	Wx ≡	Wx	Wx
Ppn. Sol.	— in.	Grnd. Cvr. — in.	Observer G.F.H.	Vis. 1/6	Vis. 10	Vis. 10

OCT 28 1956

0700 EST

Meteorological Observatory
State College, Pa.

Temp.		Wind	Barom.	General Obs.		
Max.	54 ° F	Dir. NINE	Temp. 76			
Min.	46 ° F	Vel. 6 m.p.h.	Read. 29.25			
Set	51 ° F	Char. Steady	Corr. 29.12			
R. H.	85 %	24 hr. Mov. 094	Sea L. 30.39	0700 Clds. 10Sc	1300 Clds. 10Sc	1900 Clds. 70Sc
Ppn. Liq.	— in.	Prev. Dir. NE	3 hr. Tend. +17	Wx	Wx	Wx
Ppn. Sol.	— in.	Grnd. Cvr. — in.	Observer G.H.	Vis. 3	Vis. 10	Vis. 10

OGT 29 1958

0700 EST

Meteorological Observatory
State College, Pa.

50

Temp.		Wind	Barom.	General Obs.		
Max.	57 ° F	Dir. NE	Temp. 75			
Min.	44 ° F	Vel. 2 m.p.h.	Read. 29.35			
Set	45 ° F	Char. STEADY	Corr. -0.21			
R. H.	85 %	24 hr. Mov. 073	Sea L. 30.48	0700	1300	1900
Ppn. Liq.	0 in.	Prev. Dir. NE	3 hr. Tend. +1.2mb	Clds. CLR	Clds. 3 Cu 4 Ci	Clds. 10 Cu
Ppn. Sol.	- in.	Grnd. Cvr. - in.	Observer REH.	Wx	Wx	Wx
				Vis. 15	Vis. 15	Vis. 10

MGT 30 1955

0700 EST

**Meteorological Observatory
State College, Pa.**

(54)

Temp.		Wind	Barom.	General Obs.		
Max.	60 °F	Dir. E	Temp. 76	Inter - 3 2130E to 2400E		
Min.	45 °F	Vel. 2 m.p.h.	Read. 29.25			
Set	51 °F	Char. STEADY	Corr. 29.11			
R. H.	94 %	24 hr. Mov. 87	Sea L. 30.37	0700 Clds. 10 Sr	1300 Clds. 4 Cu 10 Al	1900 Clds. 6 Cu 10 Al
Ppn. Liq.	0 in.	Prev. Dir. S	3 hr. Tend. 0	Wx ≡	Wx	Wx
Ppn. Sol.	- in.	Grnd. Cvr. - in.	Observer R.L.W.	Vis. 1/2	Vis. 8	Vis. 8

OCT 31 1956

0700 EST

Meteorological Observatory
State College, Pa.

12
60

Temp.		Wind	Barom.	General Obs.		
Max.	63 °F	Dir. E	Temp. 74	0000E - 1400E 010		
Min.	51 °F	Vel. 3 m.p.h.	Read. 28.93	• Inter 1600E - 2000E • 2200E - 2400E.		
Set	60 °F	Char. STEADY	Corr. 28.80			
R. H.	92 %	24 hr. Mov. 134	Sea L. 30.05	0700 Clds. 10 ST MDS	1300 Clds. 10E 8nd Cu	1900 Clds. 10Fc Cu
Ppn. Liq.	.02 in.	Prev. Dir. E	3 hr. Tend. -1.7mb	Wx ≡ 3	Wx	Wx R--
Ppn. Sol.	- in.	Grnd. Cvr. - in.	Observer REH.	Vis. 3	Vis. 6	Vis. 5