

LOCAL CLIMATOLOGICAL DATA

Monthly Summary



NATIONAL WEATHER SERVICE OFC

LATITUDE 37° 30' N LONGITUDE 77° 20' W ELEVATION (GROUND) 164 FEET TIME ZONE EASTERN WBAN #13740

MAR 1982
 RICHMOND, VIRGINIA

DATE	TEMPERATURE °F						DEGREE DAYS BASE 65°F		WEATHER TYPES 1 FOG 2 HEAVY FOG 3 THUNDERSTORM 4 ICE PELLETS 5 HAIL 6 GLAZE 7 DUSTSTORM 8 SMOKE, HAZE 9 BLOWING SNOW	SNOW ICE PELLETS OR ICE ON GROUND AT 07AM INCHES	PRECIPITATION		AVERAGE STATION PRESSURE IN INCHES	WIND (M.P.H.)				SUNSHINE		SKY COVER (TENTHS)			
	MAXIMUM	MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	AVERAGE DEW POINT	HEATING (SEASON BEGINS WITH JUL)	COOLING (SEASON BEGINS WITH JAN)	WATER EQUIVALENT (INCHES)			SNOW, ICE PELLETS (INCHES)	ELEV. FEET ABOVE M.S.L.		RESULTANT DIR.	RESULTANT SPEED	AVERAGE SPEED	FASTEST MILE	MINUTES	PERCENT OF TOTAL POSSIBLE	SUNRISE TO SUNSET	MIDNIGHT TO MIDNIGHT	DATE	
1	53	26	40	-2	28	25	0	1	8	0	0	30.08	31	1.0	5.0	7	SW	682	100	6	6	3	1
2	63	38	51	9	34	14	0			0	0	29.75	23	9.2	9.5	17	SW	509	74	10	8	2	2
3	57	35	46	3	30	19	0		8	0	0	29.88	04	9.9	10.1	16	N	0	0	10	10	10	3
4	51	35	43	0	32	22	0	1		0	.14	29.89	04	2.1	5.9	10	NW	268	39	10	10	10	4
5	73	38	56	13	44	9	0	1	8	0	0	29.74	27	.6	9.1	16	NE	426	62	9	9	5	5
6	47	37	42	-2	34	23	0	1	8	0	.31	29.84	02	10.6	11.4	16	N	0	0	10	10	10	6
7	40	37	39	-5	35	26	0	1	4	0	1.21	29.59	36	8.1	9.9	19	NW	0	0	10	10	10	7
8	47	32	40	-4	24	25	0		8	0	0	30.12	34	5.4	7.8	14	N	699	100	2	1	8	8
9	62	32	47	3	29	18	0		8	0	0	30.20	20	7.2	12.4	24	SW	671	96	3	3	9	9
10	57	33	45	0	30	20	0		8	0	0	30.23	06	5.8	7.2	10	SE	653	93	9	6	10	10
11	71	39	55	10	46	10	0	1	8	0	0	29.93	19	7.7	8.3	22	SW	573	81	9	8	11	11
12	74	51	63	18	47	2	0	1		0	.09	29.84	24	1.9	8.2	17	SW	699	99	0	2	12	12
13	74	52	63	17	54	2	0		8	0	0	29.74	22	7.3	9.2	22	SW	438	62	10	6	13	13
14	65	49	57	11	30	8	0		8	0	0	29.92	29	7.7	8.8	17	NW	634	89	9	7	14	14
15	55	39	47	1	33	18	0	1	4	8	.63	30.04	04	9.8	10.1	16	NE	0	0	10	10	15	15
16	45	39	42	-5	40	23	0	1	3	0	.27	29.92	05	5.1	7.1	17	NE	8	1	10	10	16	16
17	82*	42	62	15	49	3	0	1	8	0	0	29.68	30	2.2	11.9	27	NE	593	82	3	4	17	17
18	56	40	48	1	41	17	0		8	0	0	30.01	13	2.4	5.0	7	SE	492	68	9	7	18	18
19	66	45	56	8	45	9	0	1	8	0	.05	29.82	13	4.0	7.5	13	NE	349	48	10	9	19	19
20	47	45	46	-2	44	19	0	1	3	0	.89	29.80	06	6.1	6.9	10	NE	18	2	10	10	20	20
21	69	44	57	9	48	8	0	1	3	8	.01	29.61	23	6.2	9.5	18	SW	373	51	10	10	21	21
22	61	42	52	3	32	13	0		8	0	0	29.73	33	6.9	9.6	17	N	718	98	1	3	22	22
23	59	34	47	-2	31	18	0		8	0	0	29.88	13	1.7	5.6	13	NE	708	96	3	2	23	23
24	61	34	48	-2	34	17	0		8	0	0	29.83	14	5.8	6.2	15	SE	721	98	7	4	24	24
25	68	40	54	4	44	11	0	2	8	0	0	29.71	13	5.6	6.2	13	S	638	86	3	4	25	25
26	55	38	47	-3	29	18	0		8	0	.01	29.65	29	10.7	12.9	23	NW	618	83	6	5	26	26
27	47	31	39	-12	16	26	0		8	0	0	30.00	31	9.8	11.7	21	NW	744	100	3	2	27	27
28	48	26	37*	-14	12	28	0		8	0	0	30.34	36	6.4	7.5	18	N	747	100	0	0	28	28
29	60	25*	43	-9	24	22	0		8	0	0	30.34	17	3.1	4.6	11	SW	749	100	0	0	29	29
30	71	36	54	2	37	11	0		8	0	0	30.17	16	8.8	9.2	17	SE	714	95	7	5	30	30
31	71	54	63*	11	54	2	0	3		0	.13	29.90	20	12.5	13.8	25	SW	483	64	9	8	31	31
SUM	SUM	SUM	SUM	SUM	SUM	SUM	SUM	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	FOR THE MONTH:				TOTAL	%	SUM	SUM		
1955	1188					486	0	NUMBER OF DAYS		3.74	T	29.91	30	.4	8.6	27	NE	14925	for	208	186		
AVG.	AVG.	AVG.	DEP.	AVG.	DEP.	DEP.	DEP.	PRECIPITATION		DEP.						DATE: 17	POSSIBLE	MONTH	AVG.	AVG.			
59.8	38.3	49.1	2.2	36	-83	-8	-8	> .01 INCH.		11	0.36							22252	67	6.7	6.0		
NUMBER OF DAYS						SEASON TO DATE		SNOW, ICE PELLETS > 1.0 INCH		GREATEST IN 24 HOURS AND DATES				GREATEST DEPTH ON GROUND OF SNOW, ICE PELLETS OR ICE AND DATE									
MAXIMUM TEMP.		MINIMUM TEMP.		37.70		0		THUNDERSTORMS		4		PRECIPITATION		SNOW, ICE PELLETS									
> 90°		< 32°		6		0		HEAVY FOG		1		1.21		7		15+							
0		0		6		0		CLEAR		10		PARTLY CLOUDY		4		CLOUDY 17							

* EXTREME FOR THE MONTH - LAST OCCURRENCE IF MORE THAN ONE.
 † TRACE AMOUNT.
 + ALSO ON EARLIER DATE(S).
 HEAVY FOG: VISIBILITY 1/4 MILE OR LESS.
 BLANK ENTRIES DENOTE MISSING DATA.

DATA IN COLS 6 AND 12-15 ARE BASED ON 7 OR MORE OBSERVATIONS AT 3-HOUR INTERVALS. RESULTANT WIND IS THE VECTOR SUM OF WIND SPEEDS AND DIRECTIONS DIVIDED BY THE NUMBER OF OBSERVATIONS. ONE OF THREE WIND SPEEDS IS GIVEN UNDER FASTEST MILE: FASTEST MILE - HIGHEST RECORDED SPEED FOR WHICH A MILE OF WIND PASSES STATION (DIRECTION IN COMPASS POINTS). FASTEST OBSERVED ONE MINUTE WIND - HIGHEST ONE MINUTE SPEED (DIRECTION IN TENS OF DEGREES). PEAK GUST - HIGHEST INSTANTANEOUS WIND SPEED (A / APPEARS IN THE DIRECTION COLUMN). ERRORS WILL BE CORRECTED AND CHANGES IN SUMMARY DATA WILL BE ANNOTATED IN THE ANNUAL PUBLICATION.

I CERTIFY THAT THIS IS AN OFFICIAL PUBLICATION OF THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION, AND IS COMPILED FROM RECORDS ON FILE AT THE NATIONAL CLIMATIC CENTER, ASHEVILLE, NORTH CAROLINA, 28801.

Daniel B. Mitchell
 DIRECTOR
 NATIONAL CLIMATIC CENTER

OBSERVATIONS AT 3-HOUR INTERVALS

MAR 1982 13740
RICHMOND, VIRGINIA

HOUR	L.S.T.	VISI-BILITY			TEMPERATURE				WIND			VISI-BILITY			TEMPERATURE				WIND			VISI-BILITY			TEMPERATURE				WIND						
		SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE	WEATHER	AIR OF	NET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE	WEATHER	AIR OF	NET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE	WEATHER	AIR OF	NET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	
DAY 01												DAY 02												DAY 03											
01	0	UNL	7		29	28	25	85	00	0	3	UNL	8		40	35	27	60	21	6	10	40	10		49	42	34	56	03	11					
04	0	UNL	7		27	27	25	92	34	4	0	UNL	10		41	36	28	60	25	7	10	40	10		41	37	32	70	02	8					
07	8	250	4	F	26	26	25	96	34	6	7	250	10		40	36	30	68	25	9	10	35	10		40	37	33	76	04	8					
10	8	UNL	7		38	34	29	70	06	7	10	250	10		50	44	36	59	23	6	10	30	8		40	37	32	73	04	11					
13	5	UNL	10		48	41	31	52	03	3	10	250	10		57	48	38	49	23	13	10	10	6	H	40	37	34	79	04	10					
16	3	UNL	10		53	43	31	43	22	5	10	200	10		63	51	39	41	22	11	10	25	6	H	37	34	28	70	03	9					
19	0	UNL	10		45	38	28	51	24	5	10	100	10		58	48	37	46	21	6	10	25	7		36	32	25	64	04	8					
22	0	UNL	10		41	35	26	55	20	5	10	100	10		59	48	36	42	22	8	10	22	7		36	31	23	59	06	5					
DAY 04												DAY 05												DAY 06											
01	10	22	8		35	30	20	54	11	4	10	4	3	F	39	38	36	89	17	8	10	25	7		47	41	32	56	03	11					
04	10	22	8		35	31	23	62	07	5	10	3	2	F	40	40	39	96	20	8	10	20	7		45	39	31	58	04	11					
07	10	30	8	R	35	31	25	67	09	6	10	4	2	F	42	41	40	93	18	8	10	20	7		42	37	29	60	03	9					
10	10	26	8		39	36	32	76	09	5	9	250	3	F	53	51	49	86	25	8	10	14	3	RFH	41	38	34	76	03	9					
13	10	16	8		47	43	39	74	05	3	8	250	5	H	68	60	55	63	32	5	10	8	2	RF	39	38	36	89	02	12					
16	10	16	2	RWF	47	45	42	83	34	7	8	UNL	6	H	73	60	50	44	34	5	10	5	2	F	39	38	36	89	34	12					
19	10	4	3	RWF	41	40	39	93	29	5	10	UNL	6	H	58	52	46	65	05	10	10	3	1	8	F	38	37	35	89	36	10				
22	10	4	3	F	39	38	36	89	28	6	10	250	7		49	43	36	61	01	11	10	2	0	12	F	37	36	35	92	34	5				
DAY 07												DAY 08												DAY 09											
01	10	3	1	8	F	37	36	35	92	06	4	3	UNL	7		37	34	30	76	31	7	0	UNL	7		34	31	26	73	16	7				
04	10	2	0	12	F	37	36	35	92	05	4	0	UNL	7		34	31	27	76	33	7	5	UNL	7		34	31	27	76	17	9				
07	10	2	1	8	RF	37	36	35	92	08	7	0	UNL	7		32	29	22	67	36	8	3	UNL	7		32	30	27	82	18	8				
10	10	2	1	8	RF	37	36	35	92	36	12	0	UNL	7		36	31	21	55	35	10	0	UNL	6	H	44	40	34	68	19	14				
13	10	4	2	8	RF	38	37	36	93	36	8	2	UNL	7		41	35	24	51	34	7	0	UNL	10		58	48	36	44	22	17				
16	10	7	4	8	RF	39	38	37	93	33	10	4	UNL	7		46	36	20	36	30	5	7	UNL	12		61	48	33	35	22	15				
19	10	11	6	8	F	39	37	35	86	33	13	0	UNL	8		41	35	26	55	02	3	8	UNL	10		55	44	31	40	33	4				
22	10	4	7	8		38	36	33	82	34	11	0	UNL	8		36	32	25	64	13	7	3	UNL	10		45	36	20	37	03	12				
DAY 10												DAY 11												DAY 12											
01	0	UNL	10		40	33	19	43	05	7	7	40	5	F	43	42	40	89	11	5	10	50	10		62	56	52	70	19	15					
04	0	UNL	10		35	31	23	62	36	6	8	UNL	3	F	41	40	38	89	00	0	10	35	8		54	53	53	96	21	3					
07	10	UNL	10		34	30	23	64	03	4	7	18	1	F	39	37	35	86	00	0	10	UNL	7		51	50	49	93	30	5					
10	10	250	8		40	34	25	55	04	9	10	12	3	H	55	52	50	83	20	7	0	UNL	10		64	54	46	52	31	12					
13	9	250	8		49	41	29	46	10	6	10	UNL	7		67	59	54	63	19	12	0	UNL	15		69	56	44	41	29	7					
16	9	UNL	10		56	48	39	53	12	8	10	80	8		69	59	52	55	20	12	0	UNL	15		73	56	42	33	07	4					
19	8	UNL	10		50	45	40	69	08	6	9	80	10		67	58	51	57	18	10	2	UNL	15		63	52	42	46	07	4					
22	2	UNL	10		46	43	40	80	07	4	6	80	10		62	55	50	65	19	12	0	UNL	15		55	50	46	72	13	7					
DAY 13												DAY 14												DAY 15											
01	0	UNL	10		53	49	46	77	13	4	1	UNL	8		58	50	42	55	27	8	10	40	12		55	44	29	37	03	8					
04	0	UNL	7		54	52	51	90	16	7	0	UNL	12		55	43	27	34	28	10	10	35	12		53	41	25	34	06	8					
07	10	250	7		56	54	53	90	17	7	6	250	15		53	41	24	32	30	6	10	40	8		51	40	24	35	03	13					
10	10	100	6	H	66	61	57	73	21	10	10	220	15		60	45	27	28	31	8	10	4	5	RH	40	38	36	86	06	10					
13	10	30	7	RW	71	64	59	66	24	11	10	UNL	15		65	47	25	22	29	10	10	7	7	R	40	38	36	86	04	9					
16	9	100	7		70	63	58	66	24	8	10	250	15		65	48	26	23	25	10	10	5	1	8	RF	40	39	37	89	05	7				
19	8	UNL	8		68	60	54	61	24	8	9	100	15		60	45	26	27	30	5	10	4	1	8	LF	39	39	38	96	04	7				
22	0	UNL	8		63	58	54	73	25	9	10	40	12		54	47	39	57	02	4	10	4	1	8	LF	40	40	39	96	02	8				
DAY 16												DAY 17												DAY 18											
01	10	4	1	8	LF	40	40	39	96	04	9	10	6	2	F	43	43	42	96	27	8	0	UNL	7		44	43	41	89	00	0				
04	10	4	1	8	LF	40	40	39	96	05	6	10	3	1	F	43	43	43	100	22	7	2	UNL	7		42	41	39	89	35	5				
07	10	5	5	8	LF	40	39	37	89	05	7	10	2	0	12	F	45	45	45	100	23	10	10	25	6	H	43	41	39	86	05	4			
10	10	3	2	8	LF	40	40	39	96	07	7	0	UNL	3	F	55	54	53	93	21	7	10	20	6	H	47	44	40	77	07	5				
13	10	3	2	8	TRWF	43	42	41	93	08	3	0	UNL	7		76	67	62	62	26	13	10	18	7		50	45	40	69	18	3				
16	10	4	2	8	RWF	44	43	43	96	06	6	0	UNL	10		70	62	57	64	03	20	7	UNL	7		55	49	42	62	17	6				
19	10	4	1	8	LF	43	42	40	89	03	5	0	UNL	7		56	52	48	75	05	11	9	UNL	7		51	47	43	74	14	6				
22	10	2	0	12	F	43	43	43	100	24	6	0	UNL	7		49	46	43	80	05	7	4	UNL	6	H	48	45	42	80	17	6				

WEATHER CODES

- | | | | |
|---|--|---|---|
| <ul style="list-style-type: none"> * TORNADO T THUNDERSTORM Q SQUALL R RAIN RW RAIN SHOWERS ZR FREEZING RAIN L DRIZZLE | <ul style="list-style-type: none"> ZL FREEZING DRIZZLE S SNOW SW SNOW SHOWERS SG SNOW GRAINS SP SNOW PELLETS IC ICE CRYSTALS IP ICE PELLETS | <ul style="list-style-type: none"> IPW ICE PELLET SHOWERS A HAIL F FOG IF ICE FOG GF GROUND FOG BD BLOWING DUST | <ul style="list-style-type: none"> BN BLOWING SAND BS BLOWING SNOW BY BLOWING SPRAY K SMOKE H HAZE D DUST |
|---|--|---|---|

CEILING: UNL INDICATES UNLIMITED
 WIND DIRECTION: DIRECTIONS ARE THOSE FROM WHICH THE WIND BLOWS, INDICATED IN TENS OF DEGREES FROM TRUE NORTH: I.E., 09 FOR EAST, 18 FOR SOUTH, 27 FOR WEST. AN ENTRY OF 00 INDICATES CALM
 SPEED: THE FASTEST OBSERVED AVERAGE ONE-MINUTE VALUE, EXPRESSED IN KNOTS (MPH=KNOTS X 1.15).

OBSERVATIONS AT 3-HOUR INTERVALS

MAR 1982 13740
RICHMOND, VIRGINIA

HOUR L.S.T.	VISI-BILITY			WEATHER	TEMPERATURE				WIND		SKY COVER (TENTHS)	VISI-BILITY			WEATHER	TEMPERATURE				WIND																							
	SKY COVER (TENTHS)	CELLING IN HUNDREDS OF FEET	WHOLE MILES		16THS MILE	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION		SPEED (KNOTS)	CELLING IN HUNDREDS OF FEET	WHOLE MILES		16THS MILE	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	SKY COVER (TENTHS)	CELLING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE	WEATHER	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)										
DAY 19																																											
01	0	UNL	6	H	46	44	42	86	18	8	10	20	5	RMF	47	46	45	93	07	6	10	10	2	F	45	44	44	96	11	3	10	8	2	RMF	44	43	43	96	36	8			
04	10	UNL	5	H	46	45	43	89	20	6	10	20	4	F	46	45	44	93	04	6	10	8	2	RMF	44	43	43	96	36	8	10	8	2	RMF	44	43	43	96	36	8			
07	10	250	3	FH	47	46	45	93	03	5	10	5	1	8	RMF	45	44	44	96	04	4	10	2	0	12	F	44	44	44	100	18	6	10	2	0	12	F	44	44	44	100	18	6
10	10	UNL	6	H	55	50	46	72	05	10	10	5	1	8	RMF	45	44	44	96	03	8	10	4	1	F	46	46	46	100	18	6	10	4	1	F	46	46	46	100	18	6		
13	7	250	6	H	63	53	44	50	18	3	10	7	2	8	RMF	45	44	44	96	05	7	10	9	2	F	54	53	52	93	22	8	10	9	2	F	54	53	52	93	22	8		
16	10	35	6	H	63	55	48	58	17	7	10	7	2	F	46	45	44	93	08	4	8	80	5	H	68	63	60	76	23	11	10	80	5	H	68	63	60	76	23	11			
19	10	30	3	RH	55	51	47	75	11	7	10	6	2	F	46	45	44	93	10	7	8	250	8	F	66	58	52	61	25	14	10	250	8	F	66	58	52	61	25	14			
22	10	18	5	F	48	47	46	93	11	6	10	8	2	F	45	44	44	96	11	6	10	250	10	F	64	53	42	45	24	10	10	250	10	F	64	53	42	45	24	10			
DAY 20																																											
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RICHMOND VA

82 03

SUMMARY BY HOURS

HOUR L.S.T.	SKY COVER (TENTHS)	STATION PRESSURE (INCHES)	AVERAGES				RESULTANT WIND		
			TEMPERATURE			REL HUMIDITY %	WIND SPEED (MPH)	DIRECTION	SPEED (MPH)
			AIR TEMP OF	WET BULB OF	DEW POINT OF				
01	5	29.92	44	40	34	72	7.2	11	1.0
04	6	29.91	42	39	34	77	7.0	32	.3
07	7	29.94	41	38	34	78	7.4	02	1.2
10	7	29.96	48	43	36	68	10.4	35	2.1
13	7	29.91	54	47	38	58	10.0	26	2.2
16	6	29.86	57	48	37	53	10.3	25	2.4
19	6	29.87	52	45	36	59	8.6	04	.4
22	5	29.91	47	42	37	70	8.3	15	.7

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

MAR 1982 13740
RICHMOND, VIRGINIA

DATE	A.M. HOUR ENDING AT												P.M. HOUR ENDING AT												DATE
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
1																								1	
2																								2	
3												T			T									3	
4								T	T	T														4	
5																								5	
6																								6	
7							.02	.03	T	T	.01	.04	.12	.08	.05	.01	T	.02	.05	T	T	.01	T	7	
8																								8	
9																								9	
10																								10	
11																								11	
12		.05	.02	.02																				12	
13														T	T	T	T							13	
14																								14	
15						T	T	.05	.14	.11	.08	.09	.03	.01	.04	.03	.02	.01	.01	.01	T	T	T	15	
16	T	T	T	T	T	T	T	T	T	T	T	.05	.13	.05	.02	T	.01	.01	T	T				16	
17																								17	
18																								18	
19																								19	
20	T	.01	.19	.12	.02	.02	.10	.13	.14	.12	.04		T	T	T	T		.01	.01	.03	T			20	
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29																								29	
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31										.02	.01											.10	T	31	

MAXIMUM SHORT DURATION PRECIPITATION

TIME PERIOD (MINUTES)	5	10	15	20	30	45	60	80	100	120	150	180
PRECIPITATION (INCHES)	00.10	00.14	00.16	00.20	00.23	00.27	00.31	00.35	00.45	00.50	00.55	00.62
ENDED: DATE	07	07	07	07	07	07	07	07	07	07	07	07
ENDED: TIME	1012	1015	1016	1018	1030	1045	1045	1015	1030	1046	1230	1300

THE PRECIPITATION AMOUNTS FOR THE INDICATED TIME INTERVALS MAY OCCUR AT ANY TIME DURING THE MONTH. THE TIME INDICATED IS THE ENDING TIME OF THE INTERVAL. DATE AND TIME ARE NOT ENTERED FOR TRACE AMOUNTS.

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