

APR 1984
 RICHMOND, VIRGINIA
 NAT'L WEATHER SERVICE
 BOX A-63 BYRD AIRPORT

ISSN 0198-537X

LOCAL CLIMATOLOGICAL DATA

Monthly Summary

R.E. BYRD INTERNATIONAL AP.



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

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 0700 INCHES	PRECIPITATION		AVERAGE STATION PRESSURE IN INCHES ELEV. 177 FEET ABOVE M.S.L.	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)	RESULTANT DIR.	RESULTANT SPEED	AVERAGE SPEED	FASTEST MILE	MINUTES	PERCENT OF TOTAL POSSIBLE	SUNRISE TO SUNSET	MIDNIGHT TO MIDNIGHT	DATE
01	58	33	46	-7	28	19	0	0	0.00	0.0	29.890	29	5.3	6.4	14	30	636	84	7	5	01
02	67	32*	50	-3	28	15	0	0	0.00	0.0	29.945	21	5.0	6.3	14	26	759	100	1	1	02
03	59	44	52	-2	37	13	0	0	T	0.0	29.970	09	7.3	9.4	13	09	562	74	10	9	03
04	63	47	55	1	50	10	0	1 3	0.85	0.0	29.620	09	5.7	9.6	16	13	121	16	10	10	04
05	68	50	59	5	49	6	0	1 3 5	0.14	0.0	29.260	22	9.5	11.6	21	22	581	76	7	6	05
06	58	45	52	-3	34	13	0	0	T	0.0	29.420	26	9.7	11.7	21	29	482	63	9	8	06
07	58	44	51	-4	31	14	0	0	0.00	0.0	29.690	30	7.8	10.3	17	29	598	78	9	7	07
08	64	37	51	-5	31	14	0	0	0.00	0.0	29.980	35	8.4	9.9	17	34	701	91	6	5	08
09	53	42	48	-8	33	17	0	0	0.00	0.0	30.040	05	7.7	8.2	15	02	504	65	10	10	09
10	60	40	50	-6	32	15	0	0	0.00	0.0	29.860	03	5.0	7.0	12	36	651	84	6	5	10
11	63	36	50	-7	32	15	0	0	0.00	0.0	29.750	03	5.2	8.0	14	02	780	100	0	0	11
12	71	37	54	-3	37	11	0	0	0.00	0.0	29.780	16	4.3	5.9	12	15	751	96	6	6	12
13	74	51	63	6	49	2	0	3 5	1.02	0.0	29.700	18	7.8	11.2	17	25	600	76	8	9	13
14	68	54	61	3	56	4	0	23	1.16	0.0	29.630	07	6.1	8.6	17	34	395	50	9	9	14
15	68	54	61	3	56	4	0	23	0.63	0.0	29.500	03	4.1	6.5	14	14	296	38	9	10	15
16	65	52	59	1	51	6	0	1 3	0.10	0.0	29.290	19	3.7	7.9	18	25	498	63	7	7	16
17	66	46	56	-3	41	9	0	0	0.00	0.0	29.380	22	10.3	10.7	20	21	768	97	4	4	17
18	66	47	57	-2	40	8	0	1 8	0	0.0	29.540	25	8.4	8.8	20	25	621	78	7	8	18
19	67	42	55	-4	38	10	0	1 8	0.06	0.0	29.795	25	6.7	8.1	16	25	594	74	6	6	19
20	68	46	57	-2	43	8	0	2	0	0.0	29.860	32	4.8	6.2	12	29	659	82	6	7	20
21	60	48	54	-6	41	11	0	8	0	0.0	29.950	28	4.9	5.4	13	26	504	63	10	10	21
22	49	41	45*	-15	34	20	0	1 8	1.60	0.0	29.980	05	6.9	7.9	15	10	0	0	10	10	22
23	55	41	48	-12	44	17	0	1 8	0.36	0.0	29.470	33	3.3	8.1	15	01	60	7	10	10	23
24	62	46	54	-7	39	11	0	1	0.00	0.0	29.380	25	12.2	12.7	20	24	782	97	6	5	24
25	75	41	58	-3	40	7	0	0	0.00	0.0	29.605	28	8.1	10.6	23	30	811	100	0	0	25
26	81	45	63	2	47	2	0	0	0.00	0.0	29.830	18	1.5	5.0	10	26	813	100	1	0	26
27	86*	54	70*	9	55	0	5	8	0.00	0.0	29.820	07	4.0	6.6	15	05	663	81	9	7	27
28	72	56	64	2	49	1	0	0	0.00	0.0	29.990	08	6.9	8.9	13	12	497	61	10	10	28
29	78	54	66	4	52	0	1	0	0.0	T	30.040	13	3.8	5.9	12	14	618	75	9	9	29
30	78	59	69	7	59	0	4	8	0	T	29.790	19	12.8	13.3	22	19	179	22	10	8	30
SUM	SUM	SUM	SUM	SUM	SUM	TOTAL	TOTAL		TOTAL	TOTAL	FOR THE MONTH:					TOTAL	%	SUM	SUM		
1980	1364					282	10		5.92	0.0	29.725	25	1.2	8.6	23	30	16484		212	201	
AVG.	AVG.	AVG.	AVG.	AVG.	AVG.	DEP.	DEP.	PRECIPITATION	DEP.		DATE: 25					POSSIBLE		MONTH	AVG.	AVG.	
66.0	45.5	55.8	-2.1	41.8		56	-3	> .01 INCH.	3.02							23701	70	7.1	6.7		
NUMBER OF DAYS						SEASON TO DATE	TOTAL	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.	4207	THUNDERSTORMS	PRECIPITATION				SNOW, ICE PELLETS								
> 90°	< 32°	< 32°	< 0°			DEP.	DEP.	HEAVY FOG	3	1.96	22-23	0	0			0					
0	0	1	0			312	-3	CLEAR	4	PARTLY CLOUDY	11	CLOUDY	15								

* 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 OR UNREPORTED DATA.

DATA IN COLS 6 AND 12-15 ARE BASED ON 21 OR MORE OBSERVATIONS AT HOURLY 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 DATA CENTER, ASHEVILLE, NORTH CAROLINA, 28801

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NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NATIONAL ENVIRONMENTAL SATELLITE, DATA AND INFORMATION SERVICE

NATIONAL CLIMATIC DATA CENTER ASHEVILLE NORTH CAROLINA

Kenneth D. Walden
 DIRECTOR NATIONAL CLIMATIC DATA CENTER

OBSERVATIONS AT 3-HOUR INTERVALS

APR 1984 13740
RICHMOND, VIRGINIA

HOUR L.S.L.	SKY COVER (TENTHS)	VISI-BILITY		TEMPERATURE				WIND		SKY COVER (TENTHS)	VISI-BILITY		TEMPERATURE				WIND		SKY COVER (TENTHS)	VISI-BILITY		TEMPERATURE				WIND					
		CEILING IN HUNDREDS OF FEET	WHOLE MILES	AIR of	WET BULB of	DEN POINT of	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)		CEILING IN HUNDREDS OF FEET	WHOLE MILES	AIR of	WET BULB of	DEN POINT of	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)		CEILING IN HUNDREDS OF FEET	WHOLE MILES	AIR of	WET BULB of	DEN POINT of	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)				
APR 1st										APR 2nd										APR 3rd											
01	3	UNL	12	37	34	29	73	26	5	0	UNL	12	35	32	28	76	15	4	2	UNL	12	48	41	32	54	15	5				
04	9	UNL	12	38	35	31	76	25	3	0	UNL	12	33	31	28	82	18	4	7	UNL	12	45	41	35	68	15	5				
07	10	250	12	40	36	29	65	26	5	0	UNL	7	33	31	28	82	21	4	7	UNL	7	44	41	38	80	05	9				
10	10	55	10	49	40	28	44	29	6	0	UNL	10	55	44	30	39	00	0	10	100	7	51	45	39	64	06	6				
13	8	55	12	53	42	26	35	28	8	0	UNL	15	64	48	27	25	25	10	10	250	10	58	48	38	48	08	7				
16	5	UNL	12	57	44	25	29	30	10	2	UNL	15	67	49	26	21	26	12	10	250	10	59	49	39	48	09	10				
19	1	UNL	12	52	41	26	37	35	6	0	UNL	15	60	46	27	29	17	4	10	60	8	55	47	37	51	09	10				
22	0	UNL	12	42	37	29	60	00	0	0	UNL	15	49	41	31	50	18	4	10	35	10	52	44	34	51	13	8				
APR 4th										APR 5th										APR 6th											
01	10	25	12	50	44	36	59	07	4	10	10	7	R	59	57	56	90	13	7	0	UNL	12	49	44	39	69	22	8			
04	10	17	10	49	44	31	64	03	7	10	21	8		58	56	55	90	14	8	8	50	15	46	43	40	80	21	9			
07	10	55	8	48	45	42	80	36	6	9	8	7		58	56	55	90	25	5	10	38	8	47	44	40	77	22	7			
10	10	2	0	50	50	49	96	02	6	8	10	8		62	59	56	81	28	6	10	33	10	55	46	35	47	26	13			
13	10	4	1	55	55	54	97	02	3	8	200	10		66	58	52	61	25	9	10	55	15	55	45	32	42	28	13			
16	10	9	7	63	61	59	87	10	11	5	UNL	10		65	54	44	47	24	15	10	55	15	58	45	30	35	29	18			
19	10	5	2	62	60	58	87	12	13	2	UNL	10		60	50	39	46	24	16	3	UNL	12	53	42	28	38	29	10			
22	10	7	6	62	60	59	90	13	14	0	UNL	12		55	47	37	51	23	11	6	UNL	12	48	40	28	46	26	7			
APR 7th										APR 8th										APR 9th											
01	8	250	12	44	39	31	60	23	6	0	UNL	15		44	39	31	60	01	12	10	250	15	45	41	36	71	00	0			
04	10	55	12	44	39	33	65	23	6	3	UNL	15		43	38	30	60	35	8	10	250	15	45	42	37	74	01	5			
07	10	80	15	45	40	33	63	25	6	0	UNL	15		40	36	30	68	33	9	10	50	12	45	42	37	74	06	10			
10	10	35	15	51	42	29	43	29	15	2	UNL	15		50	42	32	50	34	13	10	250	12	50	42	32	50	06	13			
13	9	45	15	55	44	31	40	33	10	8	UNL	15		58	47	34	41	31	12	10	250	12	51	43	32	48	03	8			
16	7	50	15	58	46	32	38	32	12	10	UNL	15		64	48	30	28	01	9	10	200	12	53	43	31	43	07	8			
19	2	UNL	15	54	44	32	43	03	7	10	UNL	15		59	46	29	32	02	7	10	200	12	53	40	27	43	06	7			
22	0	UNL	15	46	40	33	61	33	5	10	250	15		52	43	32	47	04	6	10	200	12	44	39	32	63	06	7			
APR 10th										APR 11th										APR 12th											
01	10	100	12	42	39	36	79	07	6	0	UNL	12		39	36	32	76	19	3	0	UNL	15	42	39	35	76	19	4			
04	10	100	12	41	39	36	83	04	4	0	UNL	12		36	34	31	82	35	6	0	UNL	15	38	36	33	82	22	4			
07	10	100	10	40	38	36	86	01	7	0	UNL	15		39	35	28	65	34	10	1	UNL	15	39	37	35	86	15	3			
10	9	250	10	47	41	33	58	04	10	0	UNL	10		51	43	33	50	35	10	7	UNL	7	58	48	37	46	21	4			
13	5	UNL	10	54	43	29	38	01	8	0	UNL	15		58	47	33	39	02	8	7	UNL	10	66	52	38	36	22	6			
16	2	UNL	12	60	46	27	29	31	6	0	UNL	15		63	49	32	31	07	5	8	UNL	10	70	53	37	30	11	6			
19	0	UNL	12	56	45	30	37	09	4	0	UNL	15		57	47	35	44	08	6	10	250	10	64	52	39	40	14	7			
22	0	UNL	15	44	39	32	63	18	4	0	UNL	15		47	41	34	61	14	5	10	250	12	57	50	44	62	13	7			
APR 13th										APR 14th										APR 15th											
01	10	250	12	57	50	44	62	17	8	7	100	7		56	54	53	90	09	7	10	35	4	F	57	57	56	93	13	7		
04	9	UNL	12	53	49	44	72	18	9	10	0	0	2	F	55	55	55	100	03	4	10	6	4	F	58	57	56	93	00	0	
07	9	250	12	52	48	44	74	18	9	10	1	0	4	F	54	54	54	100	03	5	10	1	0	8	F	57	57	57	100	36	8
10	4	UNL	12	67	57	48	51	20	13	10	7	2	8	RW	55	55	54	97	31	9	10	3	1	8	RWF	54	54	53	96	33	5
13	10	40	15	71	60	52	51	18	11	10	15	10		63	60	57	81	05	6	7	20	4	F	58	57	56	93	35	9		
16	7	80	15	73	61	53	50	16	14	10	40	10		68	62	58	71	12	12	8	40	8	F	68	62	58	71	35	9		
19	10	45	10	69	59	51	53	09	5	10	23	10		65	60	56	73	08	10	10	5	1	R	59	58	57	93	06	7		
22	10	10	5	60	58	56	87	25	12	10	10	2	8	TRF	60	59	58	93	08	7	10	4	5	R	59	57	56	90	07	9	
APR 16th										APR 17th										APR 18th											
01	10	5	7	R	56	55	54	93	09	9	8	80	10		52	49	45	77	22	8	10	45	12	FH	49	46	43	80	00	0	
04	10	4	5	F	56	55	55	97	09	5	0	UNL	10		48	45	41	77	21	6	10	35	10		48	46	43	83	00	0	
07	10	8	2	8	55	53	51	87	19	8	0	UNL	8		49	46	43	80	22	10	8	80	5		49	47	44	83	00	0	
10	5	UNL	10	61	56	52	72	27	8	2	UNL	10		60	51	43	54	23	13	6	80	7		56	50	44	64	26	8		
13	7	45	10	65	58	52	63	28	4	8	45	12		65	53	41	42	22	14	7	40	10		64	51	38	38	21	12		
16	10	55	8	56	53	51	83	15	10	8	45	12		65	52	39	39	22	14	8	80	12		64	50	34	33	23	11		
19	3	UNL	10	57	53	49	75	18	8	3	UNL	12		59	49	38	46	23	7	8	80	12		60	48	35	39	24	8		
22	3	UNL	10	53	50	48	83	19	8	4	UNL	12		54	48	41	62	26	5	10	50	12		57	48	37	47	25	13		

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 OBSERVED AVERAGE ONE-MINUTE VALUE, EXPRESSED IN KNOTS (MPH=KNOTS X 1.15).

OBSERVATIONS AT 3-HOUR INTERVALS

APR 1984
RICHMOND, VIRGINIA 13740

HOUR L.S.T.	VISI-BILITY				TEMPERATURE				WIND		SKY COVER (TENTHS)	VISI-BILITY				TEMPERATURE				WIND																						
	CEILING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE	WEATHER	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)		CEILING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE	WEATHER	AIR OF	WET 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	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)										
APR 19th																																										
01	3	UNL	12		52	45	37	57	26	11	10	35	6	RF	52	51	50	93	00	0	0	8	250	10		52	45	37	57	26	11	10	35	6	RF	52	51	50	93	00	0	
04	0	UNL	10		43	39	33	68	23	6	7	15	0	F	48	48	47	96	00	0	0	10	250	10		49	46	42	77	00	0	0	8	250	10		49	46	42	77	00	0
07	0	UNL	7		44	39	33	65	25	5	9	15	0	F	47	47	47	100	33	3	10	80	7		51	46	41	69	31	4	0	10	80	7		51	46	41	69	31	4	
10	4	UNL	10		55	45	33	44	28	6	5	UNL	7		59	53	47	65	29	7	10	80	7		56	48	38	51	26	5	0	10	80	7		56	48	38	51	26	5	
13	3	UNL	15		65	51	35	33	25	14	7	40	12		65	51	37	36	31	10	10	75	7		57	48	38	49	29	6	0	10	75	7		57	48	38	49	29	6	
16	10	250	12		66	51	36	33	25	14	10	50	12		68	53	37	32	29	10	10	80	7		60	51	41	50	25	7	0	10	80	7		60	51	41	50	25	7	
19	10	38	10		58	51	43	58	24	9	4	UNL	12		61	51	41	48	01	5	10	UNL	5	H	56	50	44	64	25	7	0	10	UNL	5	H	56	50	44	64	25	7	
22	10	33	7		53	51	49	86	36	3	10	UNL	12		55	48	41	60	01	8	10	75	7		52	48	44	74	00	0	0	10	75	7		52	48	44	74	00	0	
APR 20th																																										
APR 21st																																										
APR 22nd																																										
APR 23rd																																										
APR 24th																																										
APR 25th																																										
APR 26th																																										
APR 27th																																										
APR 28th																																										
APR 29th																																										
APR 30th																																										

SUMMARY BY HOURS

HOUR L.S.T.	AVERAGES							RESULTANT WIND	
	SKY COVER (TENTHS)	STATION PRESSURE (INCHES)	TEMPERATURE			REL HUMIDITY %	WIND SPEED (MPH)	DIRECTION	SPEED (MPH)
			AIR TEMP OF	WET BULB OF	DEW POINT OF				
01	6	29.730	50	46	42	75	6.5	15	1.5
04	7	29.720	48	45	41	79	6.4	15	0.8
07	7	29.750	48	45	41	79	7.0	30	1.2
10	7	29.760	56	49	42	61	9.5	30	4.2
13	7	29.730	62	52	42	51	9.6	27	4.6
16	7	29.680	65	53	42	47	11.8	25	2.5
19	7	29.700	60	51	42	54	9.3	13	2.1
22	6	29.730	54	49	43	68	8.1	15	2.1

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

APR 1984
RICHMOND, VIRGINIA 13740

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		
01																								01		
02																									02	
03																									03	
04																									04	
05	0.01	0.07	0.01		T			T	0.21	0.22	0.10	0.01	0.01	0.01		0.01		T	0.03	0.01	0.01	0.07	0.14	0.03	05	
06																		T							06	
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10																									10	
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12																									12	
13																									13	
14	0.01									T	0.43	0.12	0.13						T	0.05	0.17	0.62	0.15	0.03	13	
15	T	0.02	0.01	T					T	0.43	0.12	0.13							0.03	0.27	0.05	0.03	0.16	0.01	14	
16	0.01	0.02	0.01		T	T	T	T																	14	
17																									15	
18	T																								15	
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22																									17	
23	0.10	T	0.17	0.09	T	T	T	T	T	0.04	0.02	0.05	0.12	0.14	0.16	0.24	0.22	0.26	0.10	0.07	0.01	0.06	0.03	0.02	0.06	18
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MAXIMUM SHORT DURATION PRECIPITATION

TIME PERIOD (MINUTES)	5	10	15	20	30	45	60	80	100	120	150	180
PRECIPITATION (INCHES)	0.35	0.52	0.54	0.59	0.66	0.67	0.72	0.87	0.92	0.94	0.95	0.97
ENDED: DATE	13	13	13	13	13	13	13	13	13	13	13	13
ENDED: TIME	2150	2200	2205	2205	2210	2215	2250	2210	2215	2350	2235	2215

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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