

FEB 1982 13781
WILMINGTON, DELAWARE
GREATER WILMINGTON AIRPORT

ISSN 0198-117

LOCAL CLIMATOLOGICAL DATA Monthly Summary

NATIONAL WEATHER SERVICE OFC



LATITUDE 39° 40' N LONGITUDE 75° 36' W ELEVATION (GROUND) 74 FEET TIME ZONE EASTERN WBAN #13781

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 ELEV. 80 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		
																SPEED	DIRECTION						
1	2	3	4	5	6	7A	7B	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	
1	59	24	42	10	29	23	0	1	1	.05	0	30.06	28	13.3	17.1	25	28			1	3	1	
2	37	23	30	-2	23	35	0	1	T	.58	0	30.49	05	10.0	10.1	17	04			10	9	2	
3	45	34	40	8	38	25	0	2	0	.79	0	29.99	06	2.7	8.5	16	04			10	10	3	
4	48	29	39	7	33	26	0	2	0	T	0	30.17	32	9.2	10.9	18	34			6	6	4	
5	36	24	30	-2	22	35	0		8	0	0	30.34	07	5.0	7.3	10	07			10	7	5	
6	38	22	30	-2	23	35	0	2	8	0	T	0	30.08	31	11.1	11.8	20	32			10	8	6
7	35	16	26	-6	9	39	0		0	0	0	30.28	25	7.4	8.8	15	23			0	0	7	
8	45	16	31	-1	17	34	0		0	0	0	30.22	27	5.5	7.8	14	28			8	7	8	
9	37	31	34	1	30	31	0	1	4	.46	2	29.87	18	2.5	7.5	17	29			10	10	9	
10	34	19	27	-6	12	38	0	1		T	0	30.06	31	12.8	13.1	23	32			0	1	10	
11	35	20	28	-5	13	37	0		T	0	0	30.26	27	2.9	5.8	12	25			5	5	11	
12	37	18	28	-5	15	37	0		8	T	0	30.34	02	2.2	4.8	9	35			9	7	12	
13	34	23	29	-4	21	36	0	1	8	.01	3	30.05	36	6.3	9.5	17	32			9	7	13	
14	40	19	30	-3	20	35	0		T	0	0	30.21	21	5.6	7.8	15	24			8	5	14	
15	61	29	45	12	35	20	0	1	8	0	T	0	30.12	19	5.2	8.2	21	22			5	8	15
16	62*	45	54*	20	44	11	0	2	8	0	T	0	29.93	33	4.9	8.8	16	01			10	10	16
17	45	29	37	3	24	28	0		4 6 8	.11	7	30.00	06	18.5	18.7	25	06			10	10	17	
18	37	28	33	-1	25	32	0		2	.11	1	30.17	06	16.9	17.1	22	06			10	10	18	
19	41	33	37	3	32	28	0	1	8	.43	0	29.90	35	5.1	10.4	17	30			10	10	19	
20	45	35	40	6	30	25	0		T	.01	0	29.72	32	9.9	11.7	20	32			10	10	20	
21	40	34	37	2	34	28	0	1	8	.16	0	29.52	01	5.7	7.3	12	33			10	10	21	
22	46	31	39	4	27	26	0		0	T	0	29.75	34	15.2	15.4	23	34			6	5	22	
23	53	29	41	6	27	24	0		8	0	0	29.92	28	5.4	6.5	15	30			9	6	23	
24	44	30	37	2	24	28	0		0	T	0	29.89	04	12.1	12.5	17	05			10	9	24	
25	34	17	26	-10	7	39	0		0	T	T	30.29	35	14.9	15.1	22	35			0	2	25	
26	36	15*	26*	-10	6	39	0		0	0	0	30.56	30	8.6	9.9	17	33			5	5	26	
27	40	24	32	-4	18	33	0		0	0	0	30.44	28	6	3.5	8	14			10	10	27	
28	46	28	37	1	16	28	0		0	0	0	30.34	02	7.7	9.1	15	04			1	2	28	
SUM		SUM				TOTAL	TOTAL	NUMBER OF DAYS		TOTAL	TOTAL	FOR THE MONTH:			TOTAL	%	SUM	SUM			SUM	SUM	
1190		725				855	0			2.71	4.5	30.11	35	4.4	10.2	25	06			203	192		
AVG.		AVG.	AVG.	DEP.	AVG.	DEP.	DEP.	PRECIPITATION		DEP.		DATE: 17+			POSSIBLE	MONTH	AVG.	AVG.			7.3	6.9	
42.5		25.9	34.2	0.6	23	-24	0	10		-0.04													
NUMBER OF DAYS						SEASON TO DATE		SNOW, ICE PELLETS		GREATEST IN 24 HOURS AND DATES		GREATEST DEPTH ON GROUND OF											
						TOTAL	TOTAL	> 1.0 INCH		PRECIPITATION		SNOW, ICE PELLETS											
MAXIMUM TEMP.						40.73	0	THUNDERSTORMS		0		0											
5 90°						2 32°	2 0°	DEP.		DEP.		HEAVY FOG		4		1.36		2-3		2.4			
0						0	0	36.7		0		CLEAR		5		PARTLY CLOUDY		5		CLOUDY			

* EXTREME FOR THE MONTH - LAST OCCURRENCE IF MORE THAN ONE.
T 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.

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NATIONAL OCEANIC AND
ATMOSPHERIC ADMINISTRATION / ENVIRONMENTAL DATA AND / NATIONAL CLIMATIC CENTER
INFORMATION SERVICE / ASHEVILLE, NORTH CAROLINA

Daniel B. Mitchell
DIRECTOR
NATIONAL CLIMATIC CENTER

OBSERVATIONS AT 3-HOUR INTERVALS

FEB 1982 13781
WILMINGTON, DELAWARE

HOUR L.S.T.	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	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)		CEILING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE	WEATHER	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)																																																															
DAY 01																																DAY 02																																DAY 03																															
01	10	20	8		49	48	47	93	17	13	0	UNL	15		26	24	18	72	00	0	10	5	2	8	RF	38	37	35	89	04	14																																																																
04	10	14	8		57	55	54	90	23	12	5	UNL	15		27	24	17	66	04	8	10	6	3	8	RF	37	36	35	92	04	10																																																																
07	2	UNL	15		43	37	29	58	28	22	10	250	15		27	25	18	69	04	5	10	2	1	8	RLF	36	36	35	96	06	6																																																																
10	0	UNL	15		39	34	25	57	29	20	10	250	10		31	27	20	64	06	10	10	2	0	4	RLF	38	37	36	93	33	3																																																																
13	1	UNL	15		39	33	22	51	30	21	10	19	10		35	31	24	64	05	11	10	1	0	5	LF	40	39	38	93	14	7																																																																
16	0	UNL	15		38	31	19	46	30	16	10	19	7		36	33	28	73	05	10	10	2	0	8	F	44	43	41	89	24	6																																																																
19	0	UNL	20		31	27	18	59	31	9	10	11	7	RW	34	32	29	82	05	11	10	2	0	12	LF	42	42	41	96	30	5																																																																
22	0	UNL	15		27	25	18	69	31	6	10	5	2	R	35	34	33	92	04	15	10	10	3		F	41	41	40	96	17	8																																																																
DAY 04																																DAY 05																																DAY 06																															
01	10	0	0	F	41	41	40	96	17	4	0	UNL	10		31	28	21	66	03	4	10	6	1	8	FH	35	34	33	92	33	4																																																																
04	10	1	0	F	46	45	45	96	29	7	0	UNL	10		26	24	18	72	01	6	10	2	0	2	F	34	34	33	96	24	4																																																																
07	8	250	7		41	39	37	86	32	10	3	UNL	8		25	23	16	69	35	4	10	4	0	8	F	34	34	33	96	27	5																																																																
10	9	220	10		42	38	33	71	31	14	10	60	7		32	28	19	59	05	9	10	55	4	H	38	35	30	73	32	14																																																																	
13	6	220	10		45	39	31	58	34	16	10	34	6	H	34	30	23	64	07	9	10	100	8		35	29	18	50	32	17																																																																	
16	6	36	10		46	39	30	54	32	12	10	34	4		35	31	25	67	08	6	10	90	9		33	27	14	45	32	17																																																																	
19	0	UNL	9		36	32	26	67	36	8	10	31	7		35	31	25	67	11	6	7	250	10		29	24	12	49	31	10																																																																	
22	0	UNL	9		31	29	24	75	35	5	10	23	7		35	33	30	82	16	7	4	UNL	10		26	22	12	55	31	11																																																																	
DAY 07																																DAY 08																																DAY 09																															
01	0	UNL	15		21	18	09	60	32	6	0	UNL	15		24	22	16	71	22	5	10	70	15		35	31	24	64	12	4																																																																	
04	0	UNL	15		18	16	07	62	30	5	0	UNL	12		20	18	13	74	27	5	10	39	12		34	31	25	70	36	4																																																																	
07	0	UNL	15		16	14	07	67	24	6	6	UNL	7		17	17	14	88	30	5	10	5	0	12	SF	32	31	30	92	15	8																																																																
10	0	UNL	20		25	20	05	42	26	12	9	250	9		35	28	14	42	28	12	10	25	2	8	RF	34	33	32	92	16	11																																																																
13	0	UNL	20		32	25	08	36	26	12	5	UNL	15		43	33	16	34	31	9	10	28	4		36	35	33	89	17	10																																																																	
16	0	UNL	20		34	27	10	37	23	10	9	UNL	15		44	34	16	32	29	8	10	7	0	12	F	36	35	33	89	00	0																																																																
19	0	UNL	15		29	24	11	47	23	6	10	250	15		36	30	19	50	22	4	10	5	2		35	34	33	92	32	6																																																																	
22	0	UNL	15		27	23	14	58	18	4	10	85	15		34	30	24	67	15	6	10	8	3		35	34	32	89	29	9																																																																	
DAY 10																																DAY 11																																DAY 12																															
01	3	UNL	12		33	30	26	75	31	13	10	120	15		22	19	11	62	00	0	0	UNL	10		22	21	17	81	00	0																																																																	
04	0	UNL	12		28	25	17	63	30	13	10	95	15		23	20	11	60	32	4	0	UNL	9		19	18	15	84	32	6																																																																	
07	2	UNL	12		24	20	09	53	31	17	9	130	9		22	19	09	57	34	4	1	UNL	6	H	21	19	14	74	01	4																																																																	
10	1	UNL	12		23	20	11	60	30	15	8	120	10		26	21	08	46	01	7	10	UNL	9		31	26	13	47	35	8																																																																	
13	0	UNL	15		25	21	10	53	30	15	4	UNL	12		32	26	11	42	25	7	9	120	12		34	27	13	42	01	4																																																																	
16	0	UNL	15		27	22	08	44	33	14	0	UNL	12		34	28	15	46	26	9	10	110	9		34	27	13	42	13	4																																																																	
19	0	UNL	15		22	18	06	50	00	0	0	UNL	12		28	25	18	66	20	4	10	110	9		32	27	17	54	00	0																																																																	
22	7	UNL	15		22	19	10	60	27	4	0	UNL	10		25	24	19	78	19	5	10	110	9		31	27	17	56	12	7																																																																	
DAY 13																																DAY 14																																DAY 15																															
01	10	48	8		30	27	20	66	08	7	0	UNL	10		23	21	15	71	28	8	7	UNL	8		30	28	25	82	08	5																																																																	
04	10	25	7		30	27	20	66	07	5	0	UNL	9		22	20	14	71	26	5	9	250	7		31	30	27	85	10	4																																																																	
07	10	25	6	S	31	27	20	64	04	10	4	UNL	7		23	21	16	74	19	7	6	250	4	F	32	31	30	92	13	4																																																																	
10	10	6	1	S	30	28	24	78	35	8	4	UNL	9		33	29	20	59	28	5	3	UNL	6	H	42	38	33	71	24	7																																																																	
13	10	18	6	H	33	30	24	70	36	11	10	250	10		38	32	21	50	20	8	3	UNL	10		55	46	37	51	24	13																																																																	
16	10	28	6	H	33	29	22	64	31	12	10	250	8		39	33	23	53	20	8	7	UNL	10		61	51	41	48	19	14																																																																	
19	0	UNL	7	H	27	25	19	72	30	8	7	UNL	7		32	29	24	72	17	7	10	120	10		51	47	42	71	16	5																																																																	
22	0	UNL	7		25	23	18	75	30	5	4	UNL	7		31	29	24	75	16	6	10	120	10		48	45	42	80	18	5																																																																	
DAY 16																																DAY 17																																DAY 18																															
01	10	60	7		49	46	43	80	23	5	10	34	7		45	40	33	63	06	14	10	9	1	8	S	29	28	26	89	05	14																																																																
04	10	55	7		49	47	46	89	27	7	10	34	7		43	38	30	60	06	14	10	14	5		S	28	27	23	82	05	16																																																																
07	10	2	1	F	48	47	46	93	25	7	10	40	7		40	33	20	45	06	15	10	55	6		S	30	27	22	72	06	18																																																																
10	10	70	3	F	53	51	49	86	24	3	10	55	8		36	31	21	55	08	18	10	41	7		S	32	29	24	72	06	19																																																																
13	10	UNL	8		62	54	46	56	35	4	10	48	9	R	36	30	20	52	05	19	10	23	8			35	32	26	70	06	15																																																																
16	10	UNL	6	H	60	52	44	56	35	12	10	44	9	S	33	29	21	61	06	20	10	23	8			35	32	26	70	06	13																																																																
19	10	95	6	H	50	45	39	66	01	14	10	26	7	S	32	29	24	72	06	14	10	32	9			34	31	26	73	08	11																																																																
22	10	70	5	RH	46	42	37	71	03	9	10	10	2	SRIP	31	29	24	75	07	16	10	23	8			33	31	27	79	05	12																																																																

OBSERVATIONS AT 3-HOUR INTERVALS

FEB 1982 13781
WILMINGTON, DELAWARE

WILMINGTON, DELAWARE																						
HOUR	L.S.T.	SKY COVER (TENTHS)	VISI-BILITY		WEATHER	TEMPERATURE				WIND		SKY COVER (TENTHS)	VISI-BILITY		WEATHER	TEMPERATURE				WIND		
			CEILING IN HUNDREDS OF FEET	WHOLE MILES		AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)		AIR OF	WET BULB OF		DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)			
DAY 19																						
01	10	19	10			34	32	28	79	08	9	10	32	8								
04	10	14	7		R	34	33	30	85	07	9	10	36	15								
07	10	11	7		R	33	32	31	92	06	7	10	32	10								
10	10	5	0	12	RF	34	34	33	96	32	6	10	31	10								
13	10	4	4		RF	39	38	36	89	05	5	10	32	10								
16	10	9	5		RF	39	37	35	86	30	14	9	250	12								
19	10	36	7			35	34	32	89	31	7	10	140	9								
22	10	36	8			39	36	32	76	30	15	10	39	7		RM	38	36	34	86	08	4
DAY 20																						
DAY 21																						
01	10	29	3		F	36	35	33	89	08	6	10	29	3		F	36	35	34	92	05	8
04	10	13	1	8	F	36	35	34	92	06	5	10	13	1		RF	36	35	34	92	01	4
07	10	3	1		RF	36	35	34	92	01	4	10	3	1		F	36	35	34	92	01	4
10	10	4	1		F	36	35	34	92	01	4	10	4	1		FH	39	37	34	82	34	7
13	10	7	3		FH	39	37	34	82	34	7	10	7	3		H	39	37	34	82	35	8
16	10	13	4		H	39	37	34	82	35	8	10	13	4		RWF	37	35	33	85	33	6
19	10	17	6		RWF	37	35	33	85	33	6	10	17	6		F	36	35	33	89	34	7
22	10	32	6		F	36	35	33	89	34	7	10	32	6								
DAY 22																						
DAY 23																						
01	10	34	7			37	35	32	82	35	9	0	UNL	15			32	29	23	69	32	3
04	10	31	7			37	35	32	82	34	9	0	UNL	12			30	27	22	72	23	4
07	8	75	7			37	35	31	79	34	16	5	UNL	7			31	29	24	75	27	6
10	3	UNL	15			41	36	27	58	33	19	10	200	7			41	36	27	58	32	9
13	10	55	15			44	37	25	47	34	14	9	UNL	8			49	40	28	44	27	11
16	5	UNL	15			45	37	25	46	33	18	9	230	9			51	42	31	46	23	8
19	0	UNL	15			38	33	23	55	33	12	6	230	15			46	39	30	54	30	4
22	0	UNL	15			36	31	23	59	36	10	10	85	15			44	39	32	63	00	0
DAY 24																						
DAY 25																						
01	10	25	10			29	27	22	75	35	11	0	UNL	15			20	16	02	45	33	8
04	10	18	8			28	26	20	72	34	15	0	UNL	15			19	15	-03	37	33	15
07	0	UNL	20			21	18	08	57	35	17	0	UNL	20			15	13	03	59	30	5
10	0	UNL	30			27	21	03	35	35	19	2	UNL	20			26	21	07	44	31	11
13	0	UNL	30			32	24	02	28	36	14	6	UNL	15			33	26	10	38	31	11
16	0	UNL	25			32	24	02	28	35	15	10	UNL	15			35	27	07	31	29	8
19	1	UNL	20			25	19	00	33	35	6	8	UNL	15			29	24	11	47	24	5
22	0	UNL	20			19	15	02	47	32	8	8	UNL	15			28	24	12	51	24	6
DAY 26																						
DAY 27																						
DAY 28																						
01	10	80	10			34	29	19	54	36	5											
04	4	UNL	12			32	26	12	43	02	7											
07	0	UNL	12			30	25	15	54	02	8											
10	0	UNL	15			37	30	16	42	04	13											
13	0	UNL	15			43	33	16	34	03	12											
16	2	UNL	15			46	35	15	29	36	8											
19	3	UNL	15			39	31	14	36	03	6											
22	0	UNL	15			29	27	23	78	21	4											

WILMINGTON DEL

8202

WILMINGTON DEL

82 02

SUMMARY BY HOURS

HOUR	L.S.T.	SKY COVER (TENTHS)	STATION PRESSURE (INCHES)	AVERAGES				RESULTANT WIND	
				TEMPERATURE			WIND SPEED (MPH)	DIRECTION	SPEED (MPH)
				AIR TEMP OF	WET BULB OF	DEW POINT OF			
01	7	30.08	33	30	25	74	7.7	01	3.0
04	7	30.08	32	29	24	73	9.3	35	4.8
07	7	30.11	30	28	22	73	9.9	35	4.5
10	7	30.14	35	31	23	63	12.8	34	6.8
13	7	30.11	39	33	23	55	12.8	34	6.4
16	7	30.09	40	34	23	54	12.3	33	5.6
19	7	30.11	35	31	23	64	7.9	36	3.2
22	7	30.12	33	30	24	71	8.5	36	2.0

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

FEB 1982 13781
WILMINGTON, DELAWARE

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	T	.04	.01																T	.04	.09	.09	.11	.25	1
2		.27	.09	.04	T	.04	.07	.03	T	.10	.03	.03	.04	T					T	.01					2
3																									3
4			T																						4
5																									5
6		T	T	T																					6
7																									7
8																									8
9					.04	.13	.06	T	.02	.05	.02	.03	.03	.03	.01	.02						T	.01	.01	9
10																									10
11																									11
12																									12
13					T	T	T	T	T	T	.01	T	T												13
14																									14
15																						T	T		15
16	T				T	T															T	T	T		16
17	T								T	T	T	T		T	T	T	T	T	.02	T	.01	.01	.02	.05	17
18	.03	.05	.01	.02	T	T	T	T	T	.03	.08	.14	.11	.04	T	T	T				T	T	T	.01	18
19					T	T	T	.02	.03	.08	.14	.11	.04	T	T	T	T				T	T	T	.01	19
20																									20
21	T				T	.03	.01	.09	.02	.01									T	T					21
22						T																			22
23																									23
24																									24
25		T	T	T																					25
26																									26
27																									27
28																									28

MAXIMUM SHORT DURATION PRECIPITATION

TIME PERIOD (MINUTES)	5	10	15	20	30	45	60	80	100	120	150	180
PRECIPITATION (INCHES)	00.06	00.08	00.10	00.12	00.17	00.24	00.28	00.39	00.49	00.55	00.59	00.63
ENDED: DATE	03	03	02	02	02	03	03	03	03	03	03	03
ENDED: TIME	0045	0045	2343	2353	2353	0008	0023	0043	0053	0053	0053	0053

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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