

# LOCAL CLIMATOLOGICAL DATA

## Monthly Summary



NAT WEATHER SERVICE FCST OFC

LATITUDE 42° 22' N LONGITUDE 71° 02' W ELEVATION (GROUND) 15 FEET TIME ZONE EASTERN WBAN #14739

SEP 1983  
 BOSTON, MASSACHUSETTS

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 WATER EQUIVALENT (INCHES) SNOW, ICE PELLETS (INCHES)	AVERAGE STATION PRESSURE IN INCHES ELEV. 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)	RESULTANT DIR.					RESULTANT SPEED	AVERAGE SPEED	FASTEST MILE	MINUTES	PERCENT OF TOTAL POSSIBLE	SUNRISE TO SUNSET	MIDNIGHT TO MIDNIGHT	DATE	
1	74	65	70	1	64	0	5		0	0	29.92	14	1.8	8.1	12	SE	676	86	2	3	1
2	84	64	74	5	59	0	9		0	0	29.99	24	12.7	12.8	17	SW	765	97	4	5	2
3	89	68	79	11	63	0	14		0	0	29.92	27	6.1	7.6	15	SW	784	100	1	3	3
4	88	68	78	10	64	0	13		0	0	29.92	26	7.8	8.5	16	SW	559	71	9	8	4
5	90	72	81	13	65	0	16		0	0	29.85	27	11.8	12.4	16	W	752	97	2	2	5
6	94	76	85*	18	70	0	20		0	0	29.77	22	11.3	11.8	17	SW	720	93	4	4	6
7	92	71	82	15	63	0	17		0	0	29.76	27	11.8	13.2	21	NW	718	93	1	1	7
8	83	67	75	8	53	0	10		0	0	29.97	29	13.3	13.4	17	NW	769	100	0	0	8
9	87	65	76	9	57	0	11		0	0	30.01	24	11.2	12.5	18	SW	768	100	3	2	9
10	89	69	79	13	66	0	14		0	T	29.82	25	9.6	9.8	19	SW	528	69	6	5	10
11	99*	69	84	18	67	0	19	1	0	0	29.76	26	9.5	10.2	23	SW	687	90	1	2	11
12	85	66	76	10	53	0	11		0	.08	29.88	28	8.4	9.2	16	SW	495	65	6	7	12
13	73	64	69	4	58	0	4		0	T	29.99	03	4.3	8.1	15	E	462	61	10	9	13
14	67	56	62	-3	47	3	0		0	0	30.09	03	11.6	12.5	17	NE	571	76	10	8	14
15	69	53	61	-4	39	4	0		0	0	30.20	03	3.1	12.7	17	E	750	100	0	0	15
16	70	53	62	-3	48	3	0		0	T	30.27	12	8.1	9.8	17	SE	681	91	9	7	16
17	72	58	65	1	61	0	0	1	0	.29	30.02	11	7.0	8.3	16	E	163	22	10	10	17
18	76	59	68	4	59	0	3		0	T	30.02	19	2.4	8.2	12	SE	706	95	3	4	18
19	92	67	80	16	66	0	15		0	0	30.00	23	9.9	10.5	17	SW	534	72	5	5	19
20	97	71	84	21	66	0	19		0	0	30.01	22	8.5	10.9	19	SW	676	92	4	2	20
21	85	69	77	14	68	0	12		0	T	29.89	20	16.8	17.3	25	SW	608	83	5	5	21
22	75	58	67	4	55	0	2	1	0	.69	29.75	28	11.1	15.2	26	S	472	65	6	6	22
23	70	53	62	0	40	3	0		0	0	30.09	29	11.7	12.1	15	W	704	97	2	2	23
24	65	52	59	-3	44	6	0		0	0	30.35	31	5.1	8.9	13	NW	661	91	2	1	24
25	67	51*	59*	-3	45	6	0		0	0	30.43	16	3.4	10.2	16	SE	723	100	0	0	25
26	71	53	62	1	48	3	0		0	0	30.28	22	9.1	9.2	14	SW	636	88	6	3	26
27	81	54	68	7	51	0	3		0	0	30.12	28	8.9	11.4	16	N	716	100	0	0	27
28	65	54	60	-1	46	5	0		0	0	30.30	05	7.5	9.9	16	E	713	100	1	0	28
29	67	52	60	0	51	5	0		0	0	30.36	05	5.3	8.5	12	NE	711	100	2	2	29
30	68	54	61	1	53	4	0		0	0	30.29	10	2.0	6.2	9	E	538	76	8	8	30
SUM	SUM					TOTAL	TOTAL	NUMBER OF DAYS		TOTAL	TOTAL	FOR THE MONTH:				TOTAL	%	SUM	SUM		
2384	1851					42	217			1.06	0	30.03	26	4.4	10.6	26	S	19246	FOR	122	114
AVG.	AVG.	AVG.	DEP.	AVG.	DEP.	PRECIPITATION	PRECIPITATION			DEP.					DATE: 22	POSSIBLE	MONTH	AVG.	AVG.		
79.5	61.7	70.6	6.0	56	-38	.01 INCH.	3			-2.35					22473	86	4.1	3.8			
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							
						TOTAL	TOTAL														
						50	1135														
MAXIMUM TEMP.						MINIMUM TEMP.		THUNDERSTORMS		PRECIPITATION		SNOW, ICE PELLETS									
5 90°						2 32°		0		.69		21-22		0							
6						0		0		0		0		0							
						-36		449		CLEAR 15		PARTLY CLOUDY 9		CLOUDY 6							

\* 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 OR UNREPORTED 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 DATA CENTER, ASHEVILLE, NORTH CAROLINA, 28801

*J. Roy Hoyt*

**noaa**

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

ACTING DIRECTOR  
 NATIONAL CLIMATIC DATA CENTER

OBSERVATIONS AT 3-HOUR INTERVALS

SEP 1983 14739  
BOSTON, MASSACHUSETTS

HOUR L.S.T.	SKY COVER (TENTHS)			VISI-BILITY			TEMPERATURE				WIND			SKY COVER (TENTHS)			VISI-BILITY			TEMPERATURE				WIND																														
	0-100	100-200	200-300	WHOLE MILES	10THS 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	10THS 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	10THS MILE	WEATHER	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)																				
	DAY 01																		DAY 02																		DAY 03																	
01	6	UNL	8				65	64	63	93	32	5	0	UNL	12				67	66	65	93	24	10	10	UNL	10				70	66	64	81	24	12																		
04	0	UNL	8				65	64	63	93	30	5	0	UNL	8				65	64	63	93	23	10	10	UNL	10				69	65	63	81	27	10																		
07	1	UNL	7				68	65	64	87	29	7	0	UNL	7				68	64	62	81	24	9	1	UNL	10				70	66	63	79	27	9																		
10	7	40	8				73	67	64	74	36	3	0	UNL	15				77	67	61	58	23	8	1	UNL	12				82	68	59	46	31	10																		
13	2	UNL	10				72	67	64	76	11	10	3	UNL	15				83	66	55	38	24	14	0	UNL	15				86	70	62	45	29	5																		
16	0	UNL	15				72	66	62	71	11	10	9	UNL	15				83	64	51	33	24	16	0	UNL	15				88	70	60	39	29	3																		
19	0	UNL	15				69	66	64	84	14	8	10	UNL	15				80	63	51	36	24	8	0	UNL	15				78	70	66	67	13	3																		
22	9	55	10				69	67	66	90	19	8	10	UNL	10				73	68	66	79	23	14	0	UNL	15				74	68	65	74	20	1																		
	DAY 04																		DAY 05																		DAY 06																	
01	0	UNL	15				72	66	63	73	29	7	6	80	10				77	69	65	67	26	13	4	UNL	5				78	71	67	69	24	10																		
04	0	UNL	15				70	66	63	79	29	6	0	UNL	10				73	68	65	76	25	9	8	100	4				77	71	68	74	22	8																		
07	7	UNL	10				71	67	64	79	00	0	0	UNL	5				74	69	66	76	28	10	2	UNL	4				79	73	71	77	23	8																		
10	10	UNL	10				83	70	63	51	27	9	3	UNL	4				84	71	65	53	28	14	2	UNL	5				87	76	72	61	25	10																		
13	10	UNL	10				87	71	62	43	24	10	4	UNL	5				88	71	62	42	28	11	0	UNL	6				94	77	70	46	22	12																		
16	10	140	13				85	70	62	46	28	10	1	UNL	6				88	72	64	45	28	11	10	80	7				92	77	70	49	22	12																		
19	10	200	12				83	71	65	55	25	7	0	UNL	5				84	72	66	55	24	8	0	UNL	6				82	75	72	72	20	12																		
22	10	200	12				80	71	66	62	23	10	4	UNL	4				81	72	68	65	24	10	0	UNL	7				80	74	72	77	20	10																		
	DAY 07																		DAY 08																		DAY 09																	
01	0	UNL	7				79	73	70	74	19	4	0	UNL	15				70	58	49	47	30	11	0	UNL	15				69	62	57	66	29	10																		
04	0	UNL	7				77	72	70	79	23	6	0	UNL	15				68	57	49	51	30	9	0	UNL	15				67	61	57	70	28	8																		
07	0	UNL	5				79	74	72	79	23	11	0	UNL	15				69	59	52	55	29	10	0	UNL	15				70	63	58	66	28	6																		
10	2	UNL	7				88	77	72	59	27	13	0	UNL	15				78	63	53	42	29	11	7	UNL	15				82	66	55	40	24	12																		
13	3	UNL	12				92	74	65	41	28	16	1	UNL	15				82	65	54	38	28	15	3	UNL	15				86	67	55	35	23	13																		
16	0	UNL	12				86	68	58	39	29	18	0	UNL	15				83	66	55	38	29	14	2	UNL	15				86	66	54	33	23	13																		
19	0	UNL	15				81	63	50	34	29	10	0	UNL	15				80	64	53	39	30	14	1	UNL	15				74	65	60	62	21	12																		
22	0	UNL	15				76	61	49	39	29	14	0	UNL	15				72	62	56	57	30	9	0	UNL	15				71	65	62	73	23	13																		
	DAY 10																		DAY 11																		DAY 12																	
01	0	UNL	12				70	66	64	81	24	13	0	UNL	4				71	68	66	84	00	0	3	UNL	15				80	66	58	47	29	9																		
04	6	250	10				72	66	62	71	25	10	4	UNL	4				72	70	69	90	00	0	9	90	15				75	62	52	45	29	12																		
07	10	80	12				73	66	62	69	25	11	0	UNL	7				80	73	70	72	23	9	1	UNL	15				73	59	49	43	30	10																		
10	4	UNL	13				80	70	65	60	24	11	0	UNL	12				93	76	69	46	23	11	4	UNL	15				81	65	54	39	26	3																		
13	6	40	12				87	74	68	53	26	10	1	UNL	13				98	75	65	34	26	12	8	100	15				84	62	46	27	27	6																		
16	5	UNL	13				88	75	69	53	27	13	3	UNL	13				96	74	64	35	27	16	10	55	15				82	64	51	34	25	9																		
19	2	UNL	13				76	71	68	76	00	0	2	UNL	15				90	74	66	45	29	13	10	46	15				80	62	49	34	29	9																		
22	3	UNL	8				71	68	66	84	00	0	0	UNL	15				83	71	64	53	27	10	10	45	7				66	63	62	87	22	6																		
	DAY 13																		DAY 14																		DAY 15																	
01	8	90	7				68	64	62	81	28	6	10	80	15				66	59	53	63	04	13	0	UNL	15				55	50	45	69	32	10																		
04	0	UNL	10				66	62	60	81	30	6	10	80	15				62	54	48	60	03	12	0	UNL	15				54	47	39	57	34	13																		
07	10	250	15				67	61	57	70	35	6	10	80	15				59	52	45	60	35	10	0	UNL	15				56	47	38	51	34	14																		
10	10	120	15				72	62	56	57	02	12	10	120	15				63	55	49	60	04	14	0	UNL	15				66	51	35	32	05	12																		
13	10	120	15				69	62	57	66	08	14	10	120	15				67	56	46	47	04	12	0	UNL	15				67	53	40	37	11	14																		
16	10	80	15				67	62	59	76	10	8	9	200	15				66	53	41	40	04	13	0	UNL	15				66	53	40	39	14	12																		
19	10	150	15				67	61	57	70	02	3	5	UNL	15				59	53	47	65	05	6	0	UNL	15				60	50	41	50	16	7																		
22	10	70	15				67	61	57	70	35	1	6	UNL	15				57	51	45	64	34	7	0	UNL	15				56	47	36	47	25	6																		
	DAY 16																		DAY 17																		DAY 18																	
01	0	UNL	15				55	47	38	53	25	5	10	35	12				62	58	55	78	09	9	4	UNL	12				65	63	61	87	27	5																		
04	0	UNL	15				54	48	42	64	36	1	10	12	7				59	58	58	97	08	13	0	UNL	12				62	60	59	90	30	7																		

OBSERVATIONS AT 3-HOUR INTERVALS

SEP 1983 14739  
BOSTON, MASSACHUSETTS

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	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)																																													
DAY 19																						DAY 20																						DAY 21																					
01	10	65	8		68	64	62	81	20	10	0	UNL	5	H	74	70	68	84	19	7	0	UNL	12		72	68	66	82	22	13																																			
04	4	UNL	7		68	65	63	84	23	10	0	UNL	5	H	74	70	68	82	28	6	0	UNL	12		69	66	64	84	22	11																																			
07	8	55	7		68	65	63	84	22	10	1	UNL	4	H	76	71	68	76	29	6	0	UNL	6	H	72	69	67	84	21	13																																			
10	4	UNL	8		81	70	64	56	27	8	7	UNL	4	H	84	74	69	61	14	6	8	20	5	H	82	73	69	65	20	17																																			
13	3	UNL	8		87	74	68	53	23	12	8	UNL	5	H	96	72	60	30	25	16	7	20	5	H	84	74	69	61	20	19																																			
16	3	UNL	8		92	75	68	45	24	10	0	UNL	9		92	75	67	44	19	11	4	UNL	8		82	73	69	65	20	17																																			
19	6	UNL	7		84	74	69	61	23	8	0	UNL	10		81	70	65	58	20	12	10	25	9		78	73	70	77	18	17																																			
22	0	UNL	6	H	81	72	68	65	26	5	0	UNL	10		75	69	66	74	22	12	10	25	10		77	72	70	79	19	13																																			
DAY 22																						DAY 23																						DAY 24																					
01	10	16	8	RW	73	72	72	97	17	18	0	UNL	15		58	48	38	48	30	12	0	UNL	15		55	48	40	57	29	10																																			
04	10	11	5	RW	69	68	67	93	28	15	0	UNL	15		55	47	39	55	30	12	0	UNL	15		54	47	39	57	29	10																																			
07	10	8	4	RF	67	65	64	90	29	12	0	UNL	15		55	48	41	59	29	12	0	UNL	15		53	47	40	62	30	12																																			
10	9	30	15		66	57	50	57	30	15	0	UNL	15		60	51	43	54	28	7	0	UNL	15		62	52	42	48	01	4																																			
13	1	UNL	15		71	59	50	48	28	13	3	UNL	15		68	53	38	33	26	11	3	UNL	15		61	54	47	60	09	11																																			
16	3	UNL	15		72	57	44	37	31	13	5	UNL	15		67	52	37	33	30	12	4	UNL	15		63	54	47	56	31	9																																			
19	2	UNL	15		66	55	46	49	31	12	0	UNL	15		61	51	40	46	30	9	0	UNL	15		57	52	48	72	14	2																																			
22	0	UNL	15		60	51	43	54	30	8	9	70	15		59	50	41	51	28	9	0	UNL	15		57	52	48	72	31	4																																			
DAY 25																						DAY 26																						DAY 27																					
01	0	UNL	15		54	49	45	72	29	8	0	UNL	15		55	50	45	69	21	6	0	UNL	15		56	52	49	78	23	8																																			
04	0	UNL	15		52	47	41	66	32	8	0	UNL	15		55	49	45	74	22	6	0	UNL	10		55	51	48	77	22	8																																			
07	0	UNL	15		54	48	42	64	32	6	1	UNL	15		56	52	49	78	21	5	0	UNL	10		59	54	50	72	29	7																																			
10	0	UNL	15		65	55	47	52	12	5	4	UNL	15		68	58	51	55	22	10	0	UNL	10		71	61	54	55	25	8																																			
13	0	UNL	15		66	55	45	47	13	11	10	200	15		69	57	47	46	23	9	0	UNL	15		80	63	52	38	28	10																																			
16	0	UNL	15		65	55	47	52	12	13	10	250	15		68	56	46	45	22	10	1	UNL	15		78	63	53	42	29	14																																			
19	0	UNL	15		59	53	47	65	16	11	0	UNL	15		62	56	52	70	21	11	1	UNL	15		73	62	54	51	32	12																																			
22	0	UNL	15		57	51	46	67	19	9	0	UNL	15		58	55	52	81	24	7	0	UNL	15		68	58	51	55	34	12																																			
DAY 28																						DAY 29																						DAY 30																					
01	0	UNL	10		60	55	50	70	36	9	0	UNL	15		53	49	45	74	32	6	10	250	13		56	55	54	93	27	2																																			
04	0	UNL	10		55	49	44	67	02	7	0	UNL	15		52	48	43	72	35	8	10	230	13		55	53	52	90	35	6																																			
07	1	UNL	15		55	49	43	64	36	7	0	UNL	15		55	52	49	80	36	8	9	120	10		55	53	51	86	36	7																																			
10	0	UNL	15		62	53	44	52	06	12	2	UNL	15		65	57	51	61	07	10	4	UNL	12		66	57	49	54	16	8																																			
13	1	UNL	15		61	53	45	56	10	12	3	UNL	15		66	60	55	68	07	8	9	100	12		64	56	49	58	15	7																																			
16	0	UNL	15		60	52	44	56	10	10	4	UNL	15		65	58	53	65	09	9	9	100	15		66	58	52	61	07	7																																			
19	0	UNL	15		56	51	46	69	05	7	5	UNL	15		58	56	55	90	10	6	3	UNL	15		59	57	56	90	14	6																																			
22	0	UNL	15		55	51	48	77	36	5	3	UNL	15		56	55	55	96	14	4	8	30	15		60	59	58	93	00	0																																			

BOSTON MASS

83 09

SUMMARY BY HOURS

HOUR L.S.T.	SKY COVER (TENTHS)	STATION PRESSURE (INCHES)	AVERAGES				RESULTANT WIND		
			TEMPERATURE				DIRECTION	SPEED (MPH)	
			AIR TEMP OF	WET BULB OF	DEN POINT OF	REL HUMIDITY %			
01	3	30.03	66	61	57	74	10.0	26	5.7
04	3	30.03	64	59	55	75	9.7	28	5.9
07	3	30.05	65	60	56	73	9.5	28	6.2
10	4	30.06	74	64	56	55	11.0	26	3.2
13	4	30.03	77	64	56	49	13.1	22	4.3
16	5	30.01	77	64	55	49	13.4	24	3.8
19	3	30.03	71	63	57	63	9.8	22	3.8
22	4	30.05	68	62	57	71	8.5	24	5.3

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

SEP 1983 14739  
BOSTON, MASSACHUSETTS

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																								3	
4																								4	
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7																								7	
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17	T	T	T	.06	T	.02	.05	.02																17	
18	T																							18	
19																								19	
20																								20	
21																								21	
22	.08	T	.02	.33	.10	.04	.12	T																22	
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27																								27	
28																								28	
29																								29	
30																								30	

MAXIMUM SHORT DURATION PRECIPITATION

TIME PERIOD (MINUTES)	5	10	15	20	30	45	60	80	100	120	150	180
PRECIPITATION (INCHES)	00.08	00.11	00.12	00.20	00.20	00.26	00.33	00.40	00.42	00.43	00.45	00.47
ENDED: DATE	22	22	22	22	22	22	22	22	22	22	22	22
ENDED: TIME	0346	0351	0356	0320	0330	0345	0400	0420	0440	0500	0530	0600

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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