

UNITED STATES DEPARTMENT OF COMMERCE

WEATHER BUREAU

STATION HISTORY

RENDITION: (☒) Original;

() Supplement No. _____

OFFICE PREPARING FORM WNAS - Baltimore, Md.STATION Baltimore, Md.COUNTY Anne ArundelSTATE MarylandINTERNATIONAL
INDEX NUMBER 106DATE
PREPARED Jan 22, 1954

NUMBER OF LOCATION	LOCATION	TYPE OF STATION	AT THIS LOCATION		AIRLINE DISTANCE AND DIRECTION FROM PREVIOUS LOCATION	LATITUDE	LONGITUDE	ELEVATION ABOVE MEAN SEA LEVEL		
			FROM	TO				GROUND (H)	ASSIGNED STATION (H _b)	ACTUAL BAR- OMETER (H ₂)
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)
1	Fort McHenry	Army	1831 4/1861	6/1859 1/1862	---	39°16'N	76°35'W	36	---	---
			1864 1817	2/1892 1824						
(b)	Baltimore-Brantz	Coop	1/1829 11/1836	8/1829 6/1837	---	39°17'N	76°37'W	80	---	---
(b)	Baltimore-Edmondson	Coop	1835 1846	1837 10/1853	---	39°18'N	76°38'W	193	---	---
(b)	Baltimore-Zumbrock	Coop	4/1850	7/1852	---	39°17'N	76°37'W	50	---	---
(b)	Baltimore-Mayer	Coop	11/1857	8/1859	---	39°18'N	76°37'W	50	---	---

ELEVATION ABOVE GROUND							Barometer		REMARKS (Reason for move, changes in observation programs, effects of buildings or terrain, etc.)
WIND INSTRU- MENTS	EXTREME THERMOM- ETERS	PSY- CHROM- ETER	TELEPSY- CHROM- ETER	RAIN GAGES					
(l)	(m)	(n)	(o)	TIPPING BUCKET	WEIGHING	OTHER	(s)	(t)	(u)
Yes*	Yes*	Yes*				Yes*			(a) Added May 1836. Observations at 7 am, 2 pm & 9 pm
Yes*	Yes*	Yes*(c)				Yes*			(c) Added in 1836. Observations at 8 am, 2 pm, & 10 pm
Yes*	Yes*	Yes*				Yes*			Observations at sunrise, 10 am, 3 pm, & 7 pm.
	Yes*					Yes*			Smithsonian Inst. Observations at 7 am, 2 pm, & 9 pm
	Yes*					Yes*			Smithsonian Inst. Observations at 7 am, 2 pm, & 9 pm.

REMARKS CONTINUED: *Elevation unknown. (b) Other records in vicinity. West side present downtown Baltimore.

Above information taken from Maryland Weather Service, Vol. II, 1907, by O. L. Fassig

INSTRUCTIONS FOR PREPARATION OF WB FORM 500-1

General

Use elite typewriter if available. Prepare as completely as possible. Abbreviations may be used where meanings are obvious. Five (5) copies will be prepared: Original and one (1) copy for the Central Office; one (1) for the WRPC; one (1) for the appropriate Regional Office; and one (1) for station preparing the forms. The first form prepared for a station will be checked "ORIGINAL." If practicable include with the original rendition a map of the area on which the present and all previous locations of the station are indicated. Subsequent renditions to be submitted on December 1 of each year will be indicated as supplements and need only include data for changes since last report, such as: changes in type of station, consolidation of city and airport offices, relocation of one or more instruments, etc. If no changes have occurred during the year, the heading should be filled out and "no changes" written on the first line under (a) and (b). Forward all copies except the one for the station to the Regional Office for review and distribution.

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Entries on form 500-1:

Entries in the heading are self-explanatory. These entries will be completely filled in each time a form is submitted. Number supplements consecutively beginning with one (1).

(a) "Number of Location." Enter "1st" for the first location, "2nd" for the next, etc. Where a station has been preceded by a cooperative station, the cooperative station history should precede the history of the other station. Use additional sheets if necessary.

(b) "Location." Enter exact location using street and number where appropriate as, "224 E 4th Street." For airports indicate name of airport and direction and airline distance from the Post Office. If the building has a name, enter that name as well as the street address.

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(d) and (e) "At this Location From - To." Enter dates using month, day, and year if possible thus: "1-7-17," "5-1-49."

(f) "Airline Distance and Direction from Previous Location." Show as "2-1/4 miles SSE" or "1000 Ft. NNW."

(g) and (h) "Latitude" and "Longitude." If coordinates to tenths of a minute can readily be determined, make entries thus: "40°20.4," "75°58.8." If not enter them to the nearest minute as "40°20," "75°59."

(i) "Ground Elevation (H)." Enter in whole feet.

(j) and (k) "Assigned Station Elevation (H_b)" and "Actual Elevation, (H_z)." H_b and H_z will be entered to two decimal places if available.

(l) to (r) "Elevation of Instruments." Enter in whole feet.

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(u) "Remarks." Enter pertinent data such as reasons for moves, dates of beginning and/or ending of observational programs such as aviation observations, pibals, etc., effects of buildings, terrain, etc., or any other remarks of interest concerning the station programs, station location or location of instruments.

UNITED STATES DEPARTMENT OF COMMERCE

WEATHER BUREAU

STATION HISTORY

RENDITION: (☒) Original;

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OFFICE PREPARING FORM WEAS-Baltimore, Md.STATION Baltimore

COUNTY _____

STATE MarylandINTERNATIONAL
INDEX NUMBER 106DATE
PREPARED Jan. 21, 1954

NUMBER OF LOCATION	LOCATION	TYPE OF STATION	AT THIS LOCATION		AIRLINE DISTANCE AND DIRECTION FROM PREVIOUS LOCATION	LATITUDE	LONGITUDE	ELEVATION ABOVE MEAN SEA LEVEL		
			FROM	TO				GROUND (H)	ASSIGNED STATION (H ₀)	ACTUAL BAR- OMETER (H ₂)
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)
2	South & Water Sts, 3rd floor	Signal Service	12/31/1870	1/1/1889	2 mi. NW	39°18'N	76°37'W	13'	32'	45.2
3	Holliday & Balto Sts, 4th floor	Signal Service	1/1/1889	6/1/1891	0.1 mi NNE	39°18'N	76°37'W	20'	56'	75.9
4	John Hopkins Univ., Physics Lab., N.W. Corner Monument & Linden Avenues	WBO	6/1/1891	9/7/1895	0.8 mi NW	39°18'	76°37'	108	71	178.8
5	S.W. Corner Calvert & Fayette Sts. 9th Fl. Equitable Bldg.	WBO	9/7/1895	8/1/1896	0.7 SE	39°17'	76°37'	37	37	141.5
6	532 W. Howard St. (John Hopkins Univ.) Baltimore, Md.	WBO	8/1/1896	1/1/1908	0.6 NW	39°18'	76°37'	103	123	123.3
7	4th floor Custom House Gay and Water Streets	WBO	1/1/1908	8/16/1918	0.8 SE	39°17'	76°37'	14	123.3	77.67

ELEVATION ABOVE GROUND

WIND INSTRU- MENTS	EXTREME THERMOM- ETERS	PSY- CHROM- ETER	TELEPSY- CHROM- ETER	RAIN GAGES					REMARKS
				TIPPING BUCKET	WEIGHING	8 INCH			
(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)	(t)	(u)
85(a)	33(f)	33(f)				69			(g) Wind vane, 95 feet beginning 10/12/1878. (e) Anemometer 86 ft beginning 10/12/1878. (f) 76 ft. beginning 10/1/1885
75(e)									
116(a)									
100(e)	86	86				78			(d) Wind Vane (e) Anemometer
100	87	87				78			NW Corner Monument and Linden Avenues
146	120	120				116			
115	68	68				73			
215.3	100	100				91			

REMARKS CONTINUED:

INSTRUCTIONS FOR PREPARATION OF WB FORM 500-1

General

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UNITED STATES DEPARTMENT OF COMMERCE

WEATHER BUREAU

STATION HISTORY

RENDITION: (☒) Original;

() Supplement No. _____

OFFICE PREPARING FORM WBAS-Baltimore, Md.STATION Baltimore

COUNTY _____

STATE MarylandINTERNATIONAL
INDEX NUMBER 406DATE
PREPARED Jan. 21, 1954

NUMBER OF LOCATION	LOCATION	TYPE OF STATION	AT THIS LOCATION		AIRLINE DISTANCE AND DIRECTION FROM PREVIOUS LOCATION	LATITUDE	LONGITUDE	ELEVATION ABOVE MEAN SEA LEVEL		
			FROM	TO				GROUND (H)	ASSIGNED STATION (H ₂)	ACTUAL BAR- OMETER (H ₂)
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)
8	3rd Floor Custom House Gay & Water Streets	WFO	8/16/1938	7/21/1950	0.0	39°17'	76°37'	14	123.3	62.88
9	3rd Floor Customs House Gay and Water Streets	Records	7/23/1950	1/1/1951	0.0	39°17'	76°37'	14	123.3	62.88
10	Roof Exposure Customs House Gay and Water Streets	Coop.	1/1/1951	Present	0.0	39°17'	76°37'	14	123.3	----

ELEVATION ABOVE GROUND									REMARKS (Reason for move, changes in observation programs, effects of buildings or terrain, etc.)
WIND INSTRU- MENTS	EXTREME THERMOM- ETERS	PSY- CHROM- ETER	TELEPSY- CHROM- ETER	RAIN GAGES					
				TIPPING BUCKET	WEIGHING	8 INCH			
(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)	(t)	(u)
215.3	100	100		91.0		91.			
215.3	100	100		91.0		91.			City Office and Airport consolidated. Marine and records city office continued.
---	100	---	100*	---	91	91.			Remaining marine and records work transferred to airport. Recording instruments still on location to maintain downtown climatological records. *Added April 24, 1952.

REMARKS CONTINUED:

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CITY OFFICE

Station Baltimore, Md. Location Custom House, Gay & Water sts
 Latitude 39 ° 17 ' N. Longitude 76 ° 37 ' W. Meridian 75 th. Established Dec. 23, 1870
 Elevation of Station H 14 Assigned elevation H_a 123 Actual barometer elevation H_z 63
 Station barometer No. 1778 Correction -.013 Extra barometer No. 187 Correction -.013
 Elevation above ground: Thermometer 100 Rainage: Tipping bucket 90 Weighing Anemometer 215
 Instruments: Barograph yes Thermograph yes Hygrograph yes Triple register yes

Records: City City and airport x Airport Comparative data: City Airport x

Forms: 1001, pages, 1, (2,3,4,5,16, airport 0,6,6,8,10,11,12,13,14,15 Form 1014 yes

Form 1030: Dry and wet bulb a Humidity a Hourly temperatures x Hourly precipitation x Sunshine x

Activities at city office after consolidation: Climatological and forecast distribution

Date <u>Dec. 23, 1870</u> opened	<u>Sept 7, 1895</u>	
moved to <u>South and Water sts</u>	<u>Calvert and Fayette sts</u>	
Date <u>Jan 1, 1889</u>	<u>Aug. 1, 1896</u>	
moved to <u>Balto. and Holiday sts</u>	<u>John Hopkins University</u>	
Date <u>June 1, 1891</u>	<u>Jan. 1, 1908</u>	
moved to <u>John Hopkins University</u>	<u>Custom House, Gay & Water</u>	

Station BALTIMORE, MD

UNITED STATES DEPARTMENT OF COMMERCE

WEATHER BUREAU

STATION HISTORY

WBAS, Baltimore

RENDITION: (X) Original;

OFFICE PREPARING FORM

() Supplement No.

STATION WBO, Baltimore, Maryland

COUNTY

STATE Maryland

INTERNATIONAL
INDEX NUMBER

DATE PREPARED Sept. 30, 1951

NUMBER OF LOCATION	LOCATION	TYPE OF STATION	AT THIS LOCATION		AIRLINE DISTANCE AND DIRECTION FROM PREVIOUS LOCATION	LATITUDE	LONGITUDE	ELEVATION ABOVE MEAN SEA LEVEL		
			FROM	TO				GROUND (H)	ASSIGNED STATION (H ₀)	ACTUAL BAR- OMETER (H _z)
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	S.W. Corner Calvert & Fayette Sts., 9th Fl. Equitable Bldg.	WBO	9/7/1895	8/1/1896	0.7 SE	39° 17'	76° 37'	37	37?	111.5
	532 N. Howard St. (Johns Hop- kins Univ.) Baltimore, Md.	WBO	8/1/1896	1/1/1908	0.6 NW	39° 18'	76° 37'	103	103 123.3	123.3
	4th Floor Customs House Gay and Water Streets	WBO	1/1/1908	8/16/1938	0.8 SE	39° 17'	76° 37'	114	123.3	77.67
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ELEVATION ABOVE GROUND									REMARKS (Reason for move, changes in observation programs, effects of buildings or terrain, etc.)
WIND INSTRUMENTS	EXTREME THERMOMETERS	PSY- CHROM- ETER	TELEPSY- CHROM- ETER	RAIN GAGES					
				TIPPING BUCKET	WEIGHING	8 INCH			
(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)	(t)	(u)
116	120	120	---	---		116			
117 ? 68	68	68	---	73.0		73.0			
215.3	100	100	---	91.0	---	91.			
215.3	100	100	---	91.0	---	91.			
215.3	100	100	---	91.0	---	91.			City Office and Airport consolidated Marine and records city office continued.
---	100	---	---	---	91	91.			Remaining marine and records work transferred to airport. Recording instruments still on location to maintain downtown climatological record.

EMARKS CONTINUED:

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RECEIVED

OCT 8 10 48 '51

INSTRUCTIONS FOR PREPARATION OF WB FORM 500-1

DEPT. OF COMMERCE
WEATHER BUREAU
REGIONAL OFFICE NO. 1

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UNITED STATES DEPARTMENT OF COMMERCE

WEATHER BUREAU

STATION HISTORY

RENDITION: (☒) Original;

OFFICE PREPARING FORM WBAS, Baltimore

() Supplement No.

STATION WBO Baltimore

COUNTY

STATE

Maryland

INTERNATIONAL
INDEX NUMBERDATE
PREPARED

Sept. 30, 1951

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	Southwest corner South and Water Streets	WBO	12/23/1870	1/1/1889	---	39° 17'	76° 37'	13	32	45.2
	Southwest corner Baltimore and Holliday Streets	WBO	1/1/1889	6/1/1891	0.1 mi NNE	39° 17'	76° 37'	20	56	75.9
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				TIPPING BUCKET	WEIGHING	8 INCH			
(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)	(t)	(u)
75	33	33	--	--	--	69			(Fireman's Insurance Building)
100	86	86	--	--	--	78			Neal Office Building
100	87	87	--	--	--	78			NW corner Monument and Linden Avenues

REMARKS CONTINUED:

INSTRUCTIONS FOR PREPARATION OF WB FORM 500-1

General

Use elite typewriter if available. Prepare as completely as possible. Abbreviations may be used where meanings are obvious. Five (5) copies will be prepared: Original and one (1) copy for the Central Office; one (1) for the WRPC; one (1) for the appropriate Regional Office; and one (1) for station preparing the forms. The first form prepared for a station will be checked "ORIGINAL." If practicable include with the original rendition a map of the area on which the present and all previous locations of the station are indicated. Subsequent renditions to be submitted on December 1 of each year will be indicated as supplements and need only include data for changes since last report, such as: changes in type of station, consolidation of city and airport offices, relocation of one or more instruments, etc. If no changes have occurred during the year, the heading should be filled out and "no changes" written on the first line under (a) and (b). Forward all copies except the one for the station to the Regional Office for review and distribution.

Items which do not apply should be left blank. For example, at a station not equipped with a weighing rain gage, column (q) should be left blank. If data are not available a dash should be entered; for instance, if the station has a weighing rain gage but the elevation above the ground is not known, enter a dash in column (q). Indicate doubtful information by a query or footnote.

Entries on form 500-1:

Entries in the heading are self-explanatory. These entries will be completely filled in each time a form is submitted. Number supplements consecutively beginning with one (1).

(a) "Number of Location." Enter "1st" for the first location, "2nd" for the next, etc. Where a station has been preceded by a cooperative station, the cooperative station history should precede the history of the other station. Use additional sheets if necessary.

(b) "Location." Enter exact location using street and number where appropriate as, "224 E 4th Street." For airports indicate name of airport and direction and airline distance from the Post Office. If the building has a name, enter that name as well as the street address.

(c) "Type of Station." Use symbols for stations thus: WBO or WBAS for first order; CAA for Civil Aeronautics Administration; SAWRS for Supplementary aeronautical weather reporting; S, A, or SA for second order paid synoptic, aviation, or combined synoptic and aviation; CG for Coast Guard, AF for Air Force, Coop for cooperative, etc.

(d) and (e) "At this Location From - To." Enter dates using month, day, and year if possible thus: "1-7-17," "5-1-49."

(f) "Airline Distance and Direction from Previous Location." Show as "2-1/4 miles SSE" or "1000 Ft. NNW."

(g) and (h) "Latitude" and "Longitude." If coordinates to tenths of a minute can readily be determined, make entries thus: "40°20.4," "75°58.8." If not enter them to the nearest minute as "40°20," "75°59."

(i) "Ground Elevation (H)." Enter in whole feet.

(j) and (k) "Assigned Station Elevation (H_b)" and "Actual Elevation, (H_z)." H_b and H_z will be entered to two decimal places if available.

(l) to (r) "Elevation of Instruments." Enter in whole feet.

(s) and (t) These columns will be used for other instruments. If used, the instruments should be entered in the headings of the columns under which data on them are reported.

(u) "Remarks." Enter pertinent data such as reasons for moves, dates of beginning and/or ending of observational programs such as aviation observations, pibal, etc., effects of buildings, terrain, etc., or any other remarks of interest concerning the station programs, station location or location of instruments.

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