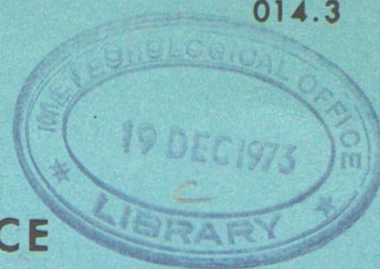


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METEOROLOGICAL OFFICE
London Road, Bracknell, Berkshire

0115293

CLIMATOLOGICAL MEMORANDUM

No. 46D 1972

AUTOGRAPHIC RECORD TABULATIONS STORED IN METEOROLOGICAL OFFICE EDINBURGH ARCHIVES (UPDATED TO

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atological Services (Met. O. 3)
October 1972

METEOROLOGICAL OFFICE

CLIMATOLOGICAL MEMORANDUM No 46

PART D

Records and documents for Scottish stations stored in the Archives of the Meteorological Office, Edinburgh, are listed by counties and in alphabetical order, under the various types of record or document, thus:

CM No 46A: Monthly Climatological Returns
CM No 46B: Daily Registers of Observations
CM No 46C: Autographic Records
CM No 46D: Tabulations from Autographic Records

This method of listing has been adopted, in preference to other methods, for the following reasons:

- a. While the lists are complementary, each is self-contained. It is thought that one combined list would be over-elaborate and confusing.
- b. A rough geographical picture is presented.
- c. Some doubts exist as to the homogeneity of different sites at some stations, especially at stations with long records. While every care has been taken to identify sites it has not been possible, due to the passage of time, to note minor changes of site and/or of exposure.

For the sake of simplicity, and to avoid a mass of detail, particulars of instrumentation and the elements observed have not been included in the lists as this in turn would involve further details of gaps in the information, such occurrences being particularly frequent in the earlier periods. It is left to the user to investigate further details if he so wishes.

This Part (Part D) lists all the autographic record tabulations stored in the Archives under sub-headings as follows:

WIND TABULATIONS Pages 1 - 8
RAINFALL TABULATIONS Pages 9 - 16
SUNSHINE TABULATIONS Pages 17 - 19
BAROGRAPH TABULATIONS ... Page 20
THERMOGRAPH TABULATIONS . Page 21
HYGROGRAPH TABULATIONS .. Page 22

Abbreviations used are:

PTA - Pressure-tube Anemograph
RC - Robinson Cup Anemograph
T/S - Tilting-syphon Recording Raingauge
R.H. - Relative Humidity
C or c - Present time (but often 2-3 months in arrears)
B.V. - Bound Volume
n.r. - Not received
n.a. - Not available

This Part has been up-dated to



3 8078 0002 3334 8

WIND TABULATIONS

F3431	Hourly values of direction and speed (previous format 21 and 401)				
F3433	Monthly analysis of direction and speed (previous format 224, 225 and 339 (speeds only))				
F3434	Monthly summary of direction and speed (became p.4 of 3433 from January 1956)				
		<u>F3431</u>	<u>F3433</u>	<u>F3434</u>	<u>Remarks</u>
<u>Aberdeenshire</u>					
Aberdeen Obsy	1/4/1868-1925(RC)*	1876-1910 (dir. only)	-		*20/7/11-22/9/11) n.r. 30/10/11-12/11/11) RC Robinson Cup
	1930-35 (RC)	1912-21 (speeds only to 1914)			†1941, 42 n.r.
	1923-47 (PTA)	1923-47†			††Parkhill House
Dyce	1952-C	1952-C	1952-56		
		21/6/1914-30/9/24††			
Fraserburgh	1/11/68-C	1/11/68-C	-		
Tillypronie	-	1871-1910	-		direction only
<u>Angus</u>					
Arbroath	-	1871-1910	-		direction only
Auchterhouse	1960-64	1960-64	-		
Bell Rock	1/9/29-40*				*1938 n.a.
	1/11/45-30/11/45	1/9/29-30/11/55	1930-37		
	1/10/57-C	1/10/57-C	1939-40		
			1/1/55-30/11/55		
Dundee	-	1880-1910	-		direction only

<u>Station</u>	<u>F3431</u>	<u>F3433</u>	<u>F3434</u>	<u>Remarks</u>
<u>Argyllshire</u>				
Machrihanish	1/9/68-C	1/9/68-C	-	
Poltalloch (Callton Mor)	-	1886-1910	-	direction only
Rannoch	1959-C	1959-C	-	
Tiree	1/7/1930-25/1/41 1/9/42-19/12/43 1/12/45-56	1/9/26-C	1927-36 1/9/42-27/1/43 1954-56	
<u>Ayrshire</u>				
Adrossan	1/2/69-C	1/2/69-C	-	
Hunterston (HL) " (LL)	1963-C 1963-C	1963-C 1963-31/10/69	- -	HL High Level LL Low Level
Pinmore	-	1/6/1880-1902	-	direction only
Prestwick	1/9/42-56	1/9/42-C	1/9/42-56	frequently defective 1950-53
<u>Banffshire</u>				
Gordon Castle	-	1880-1910	-	direction only moved from Elgin
<u>Bute & Arran</u>				
Millport	1950-30/4/64 1/6/65-30/4/66	1950-30/4/64 1/6/65-30/4/66	1956 only	July 1952 n.r.
Rothsay	-	1880-1910	-	direction only

<u>Station</u>	<u>F3431</u>	<u>F3433</u>	<u>F3434</u>	<u>Remarks</u>
<u>Caithness</u>				
Dounreay				
Low Level	1/4/58-C	1/4/58-C	-	Sept 1958) Mar 1968) n.r.
High Level	1/11/61-31/3/69	1/11/61-31/3/69	-	Mar 1968 n.r.
Falkirk	1959-30/4/62	1959-30/4/62	-	29/12/59-15/3/60 n.r.
Wick	-	1876-1910 1/6/65-C	-	direction only
<u>Dumfriesshire</u>				
Eskdalemuir	1911-21*	1914-21	1916-30/11/17	*speed only up to Jun 1914
	1923-39 1954-56	1948-C	1927-32 1954-56	1923-26 speed only
<u>Dunbartonshire</u>				
Cumbernauld	1/6/65-C	1/6/65-C	-	1/2-31/5/68 n.r.
<u>Fife</u>				
Leuchars	1949-C	1949-C	1949-56	29/5-5/7/49) 21/4-2/6/50) n.r.
Rosyth	25/9/11-25 (401)	1912-9/4/26	-	

<u>Station</u>	<u>F3431</u>	<u>F3433</u>	<u>F3434</u>	<u>Remarks</u>
<u>Inverness-shire</u>				
Achnagoichan	1/8/60-30/9/60	1/8/60-30/9/60	-	speeds only
Benbecula	1/8/56-C	1/8/56-C	1/8/56-31/12/56	
Cairngorm	1/5/66-C	1/5/66-C	-	
Corpach	1/9/66-C	1/9/66-C	-	
Dalcross	1/9/67-C	1/9/67-C	-	
Duirinish	1/5/59-C	1/5/59-C	-	Sep 1969 n.r.
Ft Augustus	1964-C	1886-1910* 1964-C	-	*directions only
Monach	-	1871-1910	-	directions only
<u>Kincairdineshire</u>				
Balmakewan	1/7/1930-31/7/36	1915-31/7/36	-	
<u>Kirkcudbrightshire</u>				
Cargen	-	1886-1910		direction only

<u>Station</u>	<u>F34.31</u>	<u>F34.33</u>	<u>F34.34</u>	<u>Remarks</u>
<u>Lanarkshire</u>				
Chapelcross	1/3/63-31/3/67	1/3/67-31/3/67	-	15/7-10/10/66 n.r.
Glasgow Obsy	1868-1883 1888-1899 1904-1912	1886-1910* 1906-1911	-	*direction only
Lowther Hill	1/7/61-68	1/7/61-68	-	
<u>Midlothian</u>				
Edinburgh (R.O.)	1942-43, 1955- 31/1/57, 1962- 16/3/67 Also hourly values 1898-13/1/1907* 1/7/1916-30/5/1930† 1931-35	1915-31/3/67	1942-44, 1955-56	*16/5/1898-31/7/99 and 1903 n.r. †synoptic hours only
Leith	-	1876-1910	-	direction only
Turnhouse	-	1962-C	-	
<u>Morayshire</u>				
Elgin	-	1871-79	-	direction only moved to Gordon Castle
Kinloss	-	1/9/63 -C	-	
Lossiemouth	1/6/60- C	1/6/60-C	-	

<u>Station</u>	<u>F3431</u>	<u>F3433</u>	<u>F3434</u>	<u>Remarks</u>
<u>Orkney</u>				
Deerness	13/4/1891-1930	1891-1910* 1906-15+	-	*direction only +speed only
Hatston	-	1/1/44-31/7/44 1/12/44-31/7/45	-	
Kirkwall/Grimsetter	1936-38 1/7/57-C	1/9/29-30/11/44* 1/7/57-C	1930-31, 1936-38	*1/2/44-31/7/44 n.r.
Sandwick	-	1873-1885*	-	*direction only anemo to Swanbister
Stenness	27/8/1890-11/4/91	1890 only	-	Anemo moved to Deerness
Swanbister	17/12/1885-25/8/90	1886-89	-	Anemo to Stenness
Twatt	-	1/7-25/9/45	-	
<u>Nairnshire</u>				
Nairn	-	1886-1910		direction only
<u>Perthshire</u>				
Stronvar	-	1871-1910		direction only
Tunnel Bridge	1/8/1964-C	1/8/1964-C	-	

<u>Station</u>	<u>F3431</u>	<u>F3433</u>	<u>F3434</u>	<u>Remarks</u>
<u>Renfrewshire</u>				
Abbotsinch	1/5/1933-28/3/46	1936-27/3/46 1/5/66-C	1/5/33-45	
Renfrew	1/2/46-28/2/59	1/2/46-30/4/66	1946-56	
Paisley	1956-C	1914-C	1956 only	Jan 1958) n.r. Jan 1968)
<u>Ross & Cromarty</u>				
Alness	28/8/44-30/9/46	29/8/44-30/9/46	29/8/44-30/9/46	
Glencarron	-	1886-1910	-	direction only
Sornoway (Airport)	-	1/10/67-C	-	
" (Coastguard)	1954-56†	1876-1910* 1/9/36-C	1954-56	*direction only †from 1957-Sep 1967 hourly values entered on F3257
<u>Shetland</u>				
Lerwick	1923-56	1923-C	1923-25 1930-36 1954-56	
North Unst	-	1871-1910	-	direction only
Sumburgh Head	-	1876-1910	-	direction only

<u>Station</u>	<u>F3431</u>	<u>F3433</u>	<u>F3434</u>	<u>Remarks</u>
<u>Stirlingshire</u>				
Grangemouth	1/8/64-31/8/65	1/8/64-31/8/65	-	
<u>Sutherland</u>				
Shin	1/5/63-C	1/5/63-C	-	
<u>West Lothian</u>				
Forth Rd Br	1/5/66-C	1/5/66-C	-	
<u>Wigtownshire</u>				
West Freugh	1/4/61-C	1/4/61-C		Mar 1963 n.a.

RAINFALL TABULATIONS

F1092	Daily duration						
F3440	Hourly durations and amounts (previous format 43 and 410)						
F3441	Duration and rate of rainfall						
n.a.	not available						
n.r.	no record						
<u>Aberdeenshire</u>							
Aberdeen Obsy	1915-16 1922-47		1886-30/11/1908* 1/12/08-30/5/16† 1/ 7/16-21		31/7/1916-47	*F43 †F410	
"	Mannofield	11/9/49-58	-	-	-	Serious omissions	
Balmoral	1/9/5-31/10/61		-	-	1937-30/5/47 1949-57 1/4/58-31/12/58 1/3/59-31/12/59 1/4/60-30/11/60 1/4/61-31/10/61	F1092 1959 n.a. F3441 n.r. Jan & Feb 1946 May-1947-Dec 1948 Mar & Dec 1951 All of 1952	
Craibstone	1/1/26-30/9/26 1934-17/3/40 1955-62		-	-	-	F1092 1959 n.a.	
Dyce	1/2/1946-56		1946-c		1946-c		
Fraserburgh	1/11/1943-24/6/45		-		1/11/43-24/6/45		
Peterhead	1/7/45-31/12/45		-		-		
Rattray Head	1947-58		-		-		

<u>Station</u>	<u>F1092</u>	<u>F3440</u>	<u>F3441</u>	<u>Remarks</u>
<u>Angus</u>				
Auchterhouse	15/9/61-64	-	-	1959 n.a. Serious omissions in winter months.
Lintrathen	1930-68	-	-	
<u>Argyllshire</u>				
Ardnamurchan	1/4/47-63			1959 n.a.
Glenleven (Blackwater Dam)	1/7/13-30/6/46			1921 n.a.
Lepinmore	1/10/50-62			1959 n.a.
Machrihanish	-	1965-c	1965-c	
Tiree	1934-56	1954-56	1954-c	Dines T/S from 28/8/43.
<u>Ayrshire</u>				
Afton Res	1933 only	-	-	
Camphill Res	1944-c	-	-	1959 n.a.
Kilmarnock	1929-46	1/5/63-c	1/5/63-31/1/67	
Prestwick	13/5/46-56	13/5/46-56	13/5/46-c	
<u>Banffshire</u>				
Glenlivet	1/11/54-58	1955-31/8/61	1955-31/8/61	
<u>Berwickshire</u>				
Charterhall	1/5/46-31/8/46	-	-	
Swinton House	1/5/22-25 1929-64	- - -	- - -	1959 n.a.

<u>Station</u>	<u>F1092</u>	<u>F3440</u>	<u>F3441</u>	<u>Remarks</u>
<u>Caithness</u>				
Wick	1/4/46-56	1947-56	1947-c	
<u>Dumfriesshire</u>				
Eskdalemuir Obsy	1915, 1922-56	1910-37* 1954-56	1/6/1919-37 1954-c	*F410, 1910-15 Dines T/S from 4/9/40
<u>Dunbartonshire</u>				
Condorrat	-	1/9/66-c	1/9/66-30/6/68 1/4/69-31/7/69 1/9/69-c	
Cumbernauld (Auchenkiln Rd)	17/1/60-61	1/11/58-31/12/59 1/ 4/59-28/ 2/62 1/ 5/62-31/ 1/63 1/ 5/63-31/12/65	1/11/58-31/ 1/59 1/ 4/59-31/ 1/63 1/ 6/63-30/11/64	
Cumbernauld (East)	4/3/60-62	1/6/58-c	1/6/58-c	
Sloy Power Station	1948-64	1961-c	1961-c	
<u>East Lothian</u>				
Dunbar	-	1969-c	1969-c	
East Fortune	1/1/18-31/12/18	-	-	
Haddington	-	1964-c	1964-c	
<u>Fife</u>				
Dunfermline	1/10/44-55	-	-	
Glenrothes	1/8/50-58			
Leuchars	1/10/21-56	1/10/21*-c	1/10/21*-c	*B.V. 1921-35. Dines T/S from 8/7/44.

<u>Station</u>	<u>F1092</u>	<u>F3440</u>	<u>F3441</u>	<u>Remarks</u>
<u>Inverness-shire</u>				
Barra	1952-56	-	-	
Benbecula	1/5/43-56	1954-c	1954-c	
Dalcross	10/6/48-68*	1961-c	1961-c	*1959 n.a.
Fort William	12/8/49-58*	1/7/1890-30/9/1904	-	*Aug-Dec only for 1958
Glengarry	24/10/53-55	-	-	
Glenmoriston (Bhlaraidh)	1/8/53-56	1/7/61-31/10/61 1/4/62-31/8/62	As 3440	
Gergask	1922-24	-	-	
Glenbrittle	1947-30/4/55	-	-	
Mullardoch	1/5/48-30/4/53 1/9/61-63	1/9/61-c	1/9/61-c	Dec 1961 and Jan 1962 n.a.
<u>Kincardineshire</u>				
Crathes	1913-19	-	-	
Fettercairn	1/5/48-63	-	-	1959 n.a.
<u>Kirkcudbrightshire</u>				
Glenlee	1/2/45-c			1959 n.a.

<u>Station</u>	<u>F1092</u>	<u>F3440</u>	<u>F3441</u>	<u>Remarks</u>
<u>Lanarkshire</u>				
Airdrie	1955-56*	-	-	
Bothwell Sewage Wks	1954-58	-	-	*Oct-Dec only for 1956.
Camps Res	1933-4/11/45 22/7/48-c	-	-	
Coalburn	-	1/6/62-31/7/62	As 3440	1959 n.a. Some serious breaks.
Crawfordjohn	-	1967-c	-	Moved to Happendon March 1963.
Glasgow	-	1884-98	1888-99	
Happendon	-	1/7/63-30/9/63	As 3440	Locally prepared format 1891-99.
Thorntonhall	1953-68	-	-	
Townhill Filters	1/2/60-c	-	-	1959 n.a.
<u>Midlothian</u>				
Boghall	1925-30/9/26 1929-30/11/51	-	-	
Edinburgh (Alnwickhill)	14/8/51-c	-	-	1959 n.a.
Gladhouse Res	1/9/51-c	-	-	1959 n.a.
Harperigg Res	1/6/51-c	-	-	1959 n.a.
Mid Calder	1953-61	-	-	1959 n.a.
Turnhouse	1/7/48-58	1/7/48-56	1/7/48-c	1959 n.a.

<u>Station</u>	<u>F1092</u>	<u>F3440</u>	<u>F3441</u>	<u>Remarks</u>
<u>Morayshire</u>				
Elgin	1952-c	-	-	1959, 1967 n.a.
Kinloss	1/3/51-56	1/3/51-58	1/3/51-c	
Lossiemouth	1/7/46-50	-	-	
<u>Orkney</u>				
Grimsetter	27/1/50-58	27/1/50-31/3/60*	As 3440	*Moved to Kirkwall.
Hatston	1/4/47-27/1/50	1/4/47-27/1/50	As 3440	*Moved to Grimsetter.
Houton	1918 only	-	-	
Kirkwall (Airport)	-	1/4/60-c	As 3440	
Kirkwall Bignold Park	1938-30/11/44	-	-	
<u>Perthshire</u>				
Lawers Dam	1954-23/11/56	-	-	Serious omissions
Longforgan	1/9/45-31/12/45	-	-	
Lubreoch	1/8/61-30/11/61	-	-	
Perth (Craigie)	21/9/43-66			1959 n.a.

<u>Station</u>	<u>F1092</u>	<u>F3440</u>	<u>F3441</u>	<u>Remarks</u>
<u>Renfrewshire</u>				
Abbotsinch	26/2/33-22/10/45	27/2/33-39	27/2/33-22/10/45 (moved to Renfrew) 1/5/66-c	Jan 1944, Feb 1945 n.a. Dines T/S from 19/3/36.
Greenock	1923-c	-	-	1959 n.a. Dec 1968 n.r.
Inchinnan	1918 only			
Muirshiel Mill	6/5/52-66			1959 n.a. Serious omissions in winter months.
Renfrew	23/10/45-57	11/7/20-26/2/33 23/10/45-28/2/59	11/7/20-26/2/33 23/10/45-30/4/66 (moved to Abbotsinch)	Dec 1947, Jan 1948 n.a.
<u>Ross & Cromarty</u>				
Alness	19/7/46-30/9/46			
Kinlochewe	-	1/10/59-c	As 3440	Frequent omissions.
Stornoway	16/5/43-56	1954-56	1954-c	
<u>Shetland</u>				
Lerwick	1923-56 1961-62	11/8/21-23 1954-56	11/8/21-23 1954-c	Dines T/S installed Mar 1924.

<u>Station</u>	<u>F1092</u>	<u>F3440</u>	<u>F3441</u>	<u>Remarks</u>
<u>Stirlingshire</u>				
Falkirk	1951-53 1956-10/12/58	-	-	1/1/57-30/6/57 n.a.
Grangemouth		1/2/66-31/3/66	-	
Killlearn		1/7/63-30/9/63 1967-31/10/69	- -	
Stronachlachar	1960-30/9/65	1959-c	1959-c	
<u>Sutherlandshire</u>				
Cassley Power Stn	-	1/9/67-c	1/9/67-c	
<u>West Lothian</u>				
Whitburn	-	1966-c	1966-c	
<u>Wigtownshire</u>				
Luce Bay	1918 only	-	-	
West Freugh	1/7/46-31/12/46 11/5/48-61	1/5/46-c	1/5/46-c	F1092 1959 n.a.
<u>Roxburghshire</u>				
Sourhope	1/5/51-60 1964-66	-	-	Serious omissions.

SUNSHINE TABULATIONS

F3445 - hourly tabs

<u>Station</u>	<u>F3445</u>	<u>Remarks</u>
<u>Aberdeenshire</u>		
Aberdeen Obsy		
Dyce	1881-1921 1922-47	1941 and 1942 missing
Peterhead	1946-56 1968-c	
<u>Argyllshire</u>	Sep-Dec 1945	
Machrihanish	1965-c	
Tiree	1954-c	
<u>Ayrshire</u>		
Prestwick	Feb 1948-c	
<u>Berwickshire</u>		
Charterhall	Apr-Aug 1946	
<u>Caithness</u>		
Wick	Jan-Mar 1946 Jan-Jun 1947 1957-c	

Station

5775

Remarks

Dumfriesshire

Eskdalemuir

Jul 1911-1921
1914-1917
May 1919-1944
Oct 1954-1956
Sep 1967-c

Fife

Leuchars

18 Oct 1921-30
1936-c

Inverness-shire

Bonbecula

1957-c

Fort William

(low level)

1891-99
1903-Sep 1904

Lanarkshire

Glasgow Obsy

Apr 1880-1892

Midlothian

Turnhouse

Mar 1950-c

Morayshire

Kinloss

1951-c

Orkney

Datston

May 1947-27 Jan 1950)

Grimsetter

27 Jan 1950-Mar 1960

Kirkwall

Apr 1960-c

All Airport sites

<u>Station</u>	<u>F3445</u>	<u>Remarks</u>
<u>Renfrewshire</u>		
Abbotsinch	1936-23 Oct 1945	Moved to Renfrew
Renfrew	Jul 1920-1930	
	24 Oct 1945-1956	Oct 1921 no record
<u>Ross and Cromarty</u>		
Stornoway	1954-c	
<u>Shetland</u>		
Lerwick	August 1921-1956 January 1967-c	
<u>Sutherland</u>		
Achany	Dec 1964-Apr 1966 Jan 1967-c	Feb 1965, May-Dec 1966 missing
<u>Wigtownshire</u>		
West Freugh	May-Dec 1953	

BAROGRAPH TABULATIONS - all hourly values

<u>Station</u>	<u>Period</u>	<u>Remarks</u>
Aberdeen Obsy	1869-1921	
Eskdalemuir Obsy	1909-21	
	1914-37 (photobar)	
Ft William	14/7/1890-1/10/1904	
Glasgow Obsy	1868-1883	
	1888-1899	

THERMOGRAPH TABULATIONS - hourly Wet and Dry bulb

<u>Station</u>	<u>Period</u>	<u>Remarks</u>
Aberdeen Obsy	1/4/1868-1921	
Eskdalemuir Obsy	1911-21 1928-37*	n.r. 1/6-24/8/1913 *includes R.H.
Ft William	4/7/1890-1/10/1904	n.r. 16/7-16/8/1900
Glasgow Obsy	1363-1883 1888-1899	

HYGROGRAPH TABULATIONS - hourly values

<u>Station</u>	<u>Period</u>	<u>Remarks</u>
Abbotsinch/Renfrew	1/2/1920-30/6/1935	Change of site Renfrew to Abbotsinch March 1933
Leuchars	1/10/1921-1935	n.r. Jan 1925