**Royal Observatory Meteorological Record (1920-1924) - Notes & Comments**

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| **Date** | **CMT** | **Column/Section** | **Comments / Notes** |
| 1921/07/30 | 19:44 | Remarks | Strato-cirrus? Please check |
| 1921/08/13 | 0:00 | Wind direction | Flag NW (S) not sure what this means |
| 1921/08/17 | 0:00 | Wind F | It says 5-6 but I have input 5 for the sake of data continuity |
| 1921/09/26 | 0:00 | remarks | Solar halo noted |
| 1922/06/6-14 | 19:44 | all | “Vane out of order from this day (6th). Repaired 4/6/22, velocities also not dependable |
| 1922/07/05 | 19:44 | Rainfall | “tree outside RTC enclosure standard which partially protected rain gauge from NW rains, cut down” |
| 1922/11/14 | 7:44 | all | “readings at 9-“ |
| 1922/12/06 | - | remarks | “new met-book” |
| 1923/03/17 | 0:00 | remarks | Partial eclipse of the sun “see temperature curve” |
| 1923/07/24-25 | 19:44 | rainfall | “this amount fell in about 12hrs during the night, July 24-25” |
| 1923/07/8, 20, 22 | 19:44 | rainfall | ‘dew’ |
| 1923/08/26 | 19:44 | Thermometer: Max | “Max inadvertently set before reading, a low reading probable” |
| 1923/09/30 | 0:00 | All | “noon readings inadvertently overlooked, readings ... } not included” |
| 1923/10/15-16 | - | - | “Anemometer + vane fouled by flag”? |
| 1923/10/26 | 19:44 | - | “late readings at 21hrs 20.5hrs overlooked” |
| 1923/12/21 | 19:44 | - | “Lightning & thunder during the night” |
| 1924/02/04 | 19:44 | Thermometer: Wet | “? [Word unclear] dry. Not included in [above?].” |
| 1924/02/21 | 19:44 | remarks | It is written “ci/ st-st” -asbut I suspect it is meant to be “ci/ ci-st” |
| 1924/04/14 | - | Anemometer | “Robinson-Beckley anemometer dismounted on April 14th Records discontinued from this date” |
| 1924/05/02 | - | remarks | “May 2nd About 21.5h-23.5h A.S.T Solar Halo observed about 30 degrees in diameter.” |
| 1924/05/20 | - | anemometer | “Maximum velocity attained by wind direction...” **Please note the new method used to record wind velocity after Robinson – Beckley anemometer was dismounted.** |
| 1924/06/23 | 19:44 | Rainfall: 8 inch roof | “heavy rain during measurement on 23rd” |
| 1924/10/26 | 19:44 | Visibility observations | “Visibility observations at 8:30 am commenced on 27th with requirements of the coast weather broadcasting scheme... [text not visible]... code (0-9) used.” **(new column added for visibility recordings)** |
| 1924/12/14 | - | Anemometer | “Part day only...” |
| **1925/01/01** | - | - | **NOTE: as of 1925- the Structure and layout of table has changed- I updated the excel table accordingly** |
| 1925/03/01 | - | Remarks | From Sunday March 1 (inclusive) the Sundays + holidays morning meteorological message is telephoned to the look out-station, East Pier, (Railway 100) instead of to Cape Town Met office as hitherto. |
| 1925/03/02 | - | Remarks | From March (incl) the daily max, min + rain is telephoned direct to CTO (central 807) at 9 am by RO , instead of being requested by phone from CTO (see July 1925 |
| 1925/03/14 | - | Anemo-biagraph | 22:45: “no velocity record from 12h – 20h on the 14th” |
| 1925/03/18 | - | Rainfall | “ precipitation measured on 18th was condensation from night fog” |
| 1925/03/19 | - | Anemo-biagraph | “Anemograph direction found to be slightly out of orientation adjusted.” |
| 1925/03/26 | - | Rainfall | “Hydrography ( Jules Richard 103303) Received with Stevenson screen from met office, Pretoria. Screen erected 6ft west of standard [crib ?]” |
| 1925/04/06 | - | Remarks | “Hygrograph installed in crib + humidity records commenced from this date. Charts sent weekly to Met. Pretoria, with barograph sheets.” |
| 1925/04/19 | - | Remarks | “Evening obsv. On 19th taken late at 21 1/3hrs. |
| 1925/04/24-28 | - | Remarks | From 20:30 on the 24th to 8:30 on 28th, wind velocity readings are visual , owing to the anemograph velocity mechanism being out of action, a leak having developed in the float chamber”... “New float chamber received from Pretoria, velocity records being resumed from 11 am on 28th” |
| 1925/05/19 & 22 | 12:46 | Thermometers: min | “minimum occurred between 8:30am & 9am” |
| 1925/05/25 | - | Remarks | “Evening observation not taken, pressure supplied from barograph.” |
| 1925/06/01 | - | Remarks | “Anemography form 4650 brought into use as wind chart in place of Negretti + Zambra form 240 (stock exhausted). Hours in time column of opposite page now run 0-24 midnight – midnight” |
| 1925/06/02 | - | Remarks | “minimum secured between 8:30 + noon” |
| 1925/06/04 | - | Remarks | “Motion of anemograph velocity [pen?] freed by slightly enlarging diameter of [vulcanite?] collar.” |
| 1925/06/08 | - | Remarks | “Original float chamber of anemograph received back from Pretoria after repairs. Replaced in instrument for two days but found the supplied float, which was found to be 1oz heavier than original returned to Negretti & Zambra, June 26th.” |
| 1925/06/11 | - | Wind & Remarks | “Bracketted wind velocities are visual” |
| 1925/06/18 | - | Remarks & Rainfall | “Roof main gauge found to be leaking. Repaired.” |
| 1925/06/25 | - |  | “[word unclear] – frost on slate roofs” |
| 1925/07/02 | - | Remarks | “Met message to cto discontinued from this date, to avoid duplication- same data being included in daily weather broadcast” |
| 1925/07/03 | - | Remarks | “Minimum occurred after 8:30” |
| 1925/07/23 | - | Rainfall/ remarks | “Raining heavily at time of measurement” |
| 1925/09/01 | 08:30 | Remarks | “08:30 [observation?] read at 9am” & “Rainfall measured on 1st fell on that day + not preceding day + is therefore included in September rainfall.” |
| 1925/09/29 | - | Remarks | “Observations inadvertently omitted pressure from barograph” |
| 1925/09/30 | - | Remarks & rainfall | “Rainfall measured on Oct 1 fell on Sept 30 + is therefore included in Sept Rainfall.” |
| 1925/10/01 | - | Rainfall | “Rainfall measured on Oct 1, fell on Sept 30, included in Sept total & excluded from October” |
| 1925/10/02 | 08:30 | Remarks | “08:30 observations read at 9am” |
| 1925/10/12 | - | Remarks | “Short & Mason thermograph 4110 received from meteorological office in Pretoria, and installed in crib with hygrograph. Records commence on Oct. 19” |
| 1925/10/16 | - | Remarks | “Capetown met office moved from old supreme court to PWD building (old magistrates court), Caledon square.” |
| 1925/10/18 | 20:30 | Remarks | “20:30 observations omitted. Readings taken at 22:35 & not included in means.” |
| 1925/10/20 | 24hrs | Rainfall | “Isolated squall”... “with some hail” |
| 1925/11/02 | 12:00 | Remarks | “Index of thermograph lowered 10° to accommodate summer temperatures. Chart scales adjusted to compensate.” |
| 1925/11/25 | - | Remarks | “New 8inch Negretti + Zambra rain gauge received from meteorological office Pretoria, + mounted on roof in place of old gauge worn out.” |
| 1925/12/16 | - | Remarks | “Observations omitted at 20:30. Readings in red were at 21:43 + are not included in means.” |
| 1926/02/9TH &20TH | - | Remarks | “Minimums on 9th & 20Th supplied from thermograph. Thermometer not set on these occasions.” |
| 1926/03/13TH | - | Remarks | “Minimums on 13th supplied from thermograph. Thermometer not set on this occasion.” |
| 1926/04/12 | - | Remarks | “Pen arm of thermograph restored to normal position by raising 10° - uncorrected charts needed here from for winter season.” |
| 1926/05/01 | - | Remarks | “Cotton thread of wet bulb dry” |
| 1926/07/21 | - | Remarks | “Snow visible on Table Mountain.” |
| 1926/07/31 | - |  | “Capetown meteorological office closed down + moved to Pretoria. Daily met. Messages from this date telephoned to C.T.O for transmission to met. Pretoria + Hydro. Salisbury.” |
| 1926/08/03 | - | Remarks | “Following the removal of Capetown Met. Office to Pretoria, the usual morning met. Message by phone was discontinued, + an eight-group code message of five figures, each embodying the same data, has since been dispatched by phone each morning to the central telegraph office, Capetown, for transmission to Met. Pretoria + hydro, Salisbury.” |
| 1926/10/06 | - | Remarks | “Observations taken at 21:45. Figures above are those supplied for 20:30 by self-registering instruments + interpolation, and are excluded from means.” |
| 1926/10/08 | - | Remarks | “Maximum of 68.2° occurred on the morning of October 8, over riding the max of Oct 7. Thermograoh max. For Oct. 7 = 67.5°” |
| 1926/10/19 | - | Remarks | “Snow visible on Hotentot Hollands mountains to eastward” |
| 1926/10/28 | - | Remarks | “Max. Reading apparently in error 65.0° supplied for thermograph.” |
| 1926/11/01 | - | Remarks | “Pen arm of thermograph lowered 10° to accommodate summer temperatures. Chart scales adjusted to compensate.” |
| 1926/12/22 | - | Remarks | “T max. For preceding day supplied from thermograph. False reading on max. Thermometer owing to higher temperature when read.” |
| 1926/12/31 | - | Remarks | “Morning estimations of seaward visibility discontinued at end of year, same being supplied for code messages to met. Pretoria, the look-out station, East Pier, Capetown docks, from Jan 1 1927.” |
| 1927/02/09 | - | Remarks | “[Vernier?] slides + [worm?] gear of scale setting rod on Standard barometer cleaned + oiled.” |
| 1927/02/14th-21st | - | Remarks | “Max. Supplied from thermograph. Reading overridden by morning temperature on 14th + 21st.” |
| 1927/02/15 | - | Remarks | “Wind extremely variable from noon to midnight. Particularly during evening thunderstorm, six changes of 180° during this period prolonged displayed of lightning during ensuing with considerable thunder.” |
| 1927/02/28 | - | Remarks | “Late [text unclear] at 2pm Red figures supplied by self-recording instruments and interpolation, but not included in means.” |
| 1927/04/12 | - | Remarks | “Anemograph overhauled- movement of float + vertical pillar being eased. Zero point + orientation of vane checked.” |
| 1927/05/01 | - | Remarks | “Max of April 30 supplied from thermograph. Thermograph reading over-ridden by following morning temperature” |
| 1927/05/2 | - | Remarks | “Pen arm of thermograph raised 10° for winter season. Uncorrected charts used accordingly” |
| 1927/05/15 | - | Remarks | “Max of May 14 supplied from thermograph. Overridden by morning temp of May 15.” |
| 1927/05/18 | - | Remarks | “Recording apparatus of anemograph dismounted. Original liquid in float chamber emptied out + replaced by fresh mixture (glycerine + water, specific gravity 1.16). All working parts cleaned + adjusted, including zero point + vane orientation.” |
| 1927/05/28-29 | - | Remarks | “The amounts in the rainfall column actually represent condensation of dew in the gauges.” |
| 1927/06/01 | - | Remarks | “Rainfall fell principally on morning of June 1 + therefore included in June total” |
| 1927/06/12 | - | Remarks | “12th midday obsv not read. Red figures supplied by self rejecting instruments + interpolation” |
| 1927/06/15 | - | Remarks | “Max. For 14th supplied from thermograph. Thermometer apparently not set.” |
| 1927/06/16 | - | Remarks | “ Condensation of dew” |
| 1927/06/26 | - | Remarks | “Max for 25th max. Occurred at 2:30 am.” |
| 1927/06/27 | - | Remarks | “Max for 26th overridden by following morning temperature.” |
| 1927/07/04 | - | Remarks | “Condensation of dew.” |
| 1927/07/31 | - | Remarks | “Minimum supplied from thermograph. Thermometer apparently not set on 30th.” |
| 1927/08/29 | - | Remarks | “Several squalls over 45mph on this day. During the 10h40m squall, much hail fell, the barometer are rose 08inch and the thermometer, fell 8° from 55°-47°, in a few minutes. Over half an inch of rain fell between 9am + noon.” |
| 1927/09/06 | - |  | “Late morning obsv at 9h20m red figures not included in means.” |
| 1927/10/10 | - | Remarks | “Maximum Thermometer Calderara 2688, received from Pretoria met. office” |
| 1927/10/27 | - | Remarks | “Strongly marked solar halo at noon, with pronounced prismatic effects. Sky lightly veiled with fine ci-st moving from WSW.” |
| 1927/10/31 | - | Remarks | “Pen arm of thermograph lowered 10° to accommodate summer temperature. Chart scales adjusted to compensate.” |
| 1927/10/29 | - | Remarks | “Max for 28th supplied from thermograph. Over-ridden by following morning temperature.” |
| 1927/12/08 | - | Remarks | “Dry bulb thermometer Nefretti & Zambra K.9219 recieved from Pretoria met office. Mounted in screen for comparison with Cooke 577802.” |
| 1927/12/19 | - | Remarks | “Max. Thermometer calderara 2688 sent to Steenbras Dam at request of chief meteorologist (cc. / 3256 of Dec 14. 1927) |
| 1928/01/01 | - |  | “From Jan 1. 1928, Dry Bulb Thermometer Nefretti + Zambra K. 9219 was adopted as the RO standard in place of cooke 577802. Index error nil except at 12° F.” |
| 1928/02/06 | - | Remarks | “Anemograph dismounted for repair, a slight leak having developed, remounted 14 1/2hrs.” |
| 1928/02/10 | - | Remarks | “The late standard dry thermometer (cooke 577802) was tested against the newby adopted standard (Nefretti + Zambra) , by means of simultaneous comparisons in a water bath under identical conditions. It was found that between 95° and 110°, an index correction of -0.5° was needed; This fault probably accounts largely for the discordances that occasionally became apparently between Cooke + the standard maximum on unusually hot days.” |
| 1928/02/13 | - | Remarks | “Barometer reading raised .05 (from 994 to .044) probably read in error. Barograph chart did not bear our former reading.” |
| 1928/03/01 | - | Remarks | “Values of anemograph inadvertently left closed from Mar 1. 20h30m to Mar 2. 9h16. No velocity record for this period.” |
| 1928/03/23 | - | Remarks | “During the rain + variable winds of this day, the barometer rose in about 15 minutes just before midnight.” |
| 1928/03/26 | - | Remarks | “Vertical arm of pen withdrawing lever on barograph, refixed after having worked loose for some time.” |
| 1928/04/03 | - | Remarks | “Column of minimum thermometer found broken. Reset + minimum supplied from thermograph.” |
| 1928/04/04 | 20:30 | Remarks | “20h30m Observations not taken. Red figures supplied from autographic records+ are not included in means.” |
| 1928/04/30 | - | Remarks | “Thermograph arm raised 10° for winter season. Uncorrected charts commence.” |
| 1928/05/01 | - | Remarks | “Barograph from series Peak forester received for adjustment + comparison. (Returned May 16)” |
| 1928/05/07 | - | Remarks | “Thermograph + hygrograph cleaned + oiled.” |
| 1928/05/12 | - | Remarks | “Min on 12th supplied from thermograph – min thermometer not set. Actually occurred about 1pmon 11th (night min 11th – 12th = 59.6) ” |
| 1928/05/19 | - | Remarks | “Partial solar eclipse (mag. Of 0.76) from 2:50pm to 5:10pm.” |
| 1928/06/04 | - | Remarks | “Ground frost at sunrise.” |
| 1928/06/23 | - | Remarks | “Rain + hail at 08:40.” |
| 1928/06/26 | - | Remarks | “Snow on Hottentot Mountains” |
| 1928/06/30 | - | Remarks | “Owing to the presence of trees to the SE of the 8” ground gauge in the R.T.C enclosure, [word unclear] local wind eddies , with consequent increase in apparent rainfall as compared with the standard gauge, the 8” gauge was moved to the pier adjacent 12” gauge, in order to give more comparable exposure.” |
| 1928/07/12 | - | Rainfall | “Several squalls over 50mph.” |
| 1928/08/21 | 20:30 | Remarks | “20h30m Observations inadvertently omitted. Readings supplied by autographic instruments + interpolation + not included in means.” |
| 1928/09/1-3 | - | Remarks | “Heavy Snow visible on hottentot Mts about this time.” |
| 1928/10/3 | - | Remarks | “Minimum supplied from thermograph. Thermometer probably not set.” |
| 1928/10/29 | - | Remarks | “Pen arm of thermograph lowered 10° to accommodate summer temperatures. Charts adjusted to compensate.” |
| 1928/11/01 | - | Remarks | “Max reading of 88.0° is also Max for Oct + is transferred back as such.” |
| 1928/12/02 | - | Remarks | “Max. Supplied from thermograph. Reading over-ridden by following mornings temp.” |
| 1928/12/21 | - | Remarks | “Met observations not taken. Readings supplied from autographic records + not included in means.” |
| 1929/01/28 | - | Remarks | “New series of ***rainfall averages***captured, based on the **88 year period** 1841-1928 inclusive + used hence forward in place of the old averages of 80 years (1841-1920).” |
| 1929/01/30 | - | Remarks | “Vane-head bearings of Anemograph lubricated 11 ½ hrs.” |
| 1929/02/8 | 12:46 | Remarks | “Visual wind estimation. Vane of anemograph dismounted from 10:47 to 15:35 for cleaning & lubrication.” |
| 1929/03/15 | 10am-12 noon | Remarks | “Thermometer screens painted (exterior only)” |
| 1929/03/24 | - | Remarks | “Some lightning & thunder on the evening of May 24th.” |
| 1929/03/25 | 20:30 | Remarks | “Evening obsvs read at 23hrs. Not included in means.” |
| 1929/04/05 | - | Remarks | “Wet bulb scraped to remove deposit.” |
| 1929/04/07 | - | Remarks | “Max for Apr 6 supplied from thermograph. Thermometer apparently had been moved, showing a reading of 93.0°.” |
| 1929/04/29 | - | Remarks | “Thermograph arm raised 10° to accommodate winter temperature – uncorrected charts used accordingly.” |
| 1929/05/05 | - | Remarks | “Rainfall = condensation St fog.” |
| 1929/05/17 | - | Remarks | “Minimum supplied from thermograph. Thermograph apparently not set.” |
| 1929/05/25 | - | Remarks | “Max supplied from thermograph. Thermograph apparently not set.” |
| 1929/06/10 & 13 | - | Remarks | “Rainfall = condensation of heavy dew.” |
| 1929/06/30 | - | Remarks | “Rainfall actually measured on July 1, but included in June total as falling on June 30.” |
| 1929/07/01 | - | Remarks | “Rainfall carried to June total having fallen on June 30.” |
| 1929/07/10-11 | 20:30 | Remarks | “Rainfall from SSE, Obsv at 21h30m.” |
| 1929/07/22 | - | Remarks | “Condensation of dew.” |
| 1929/07/25 | - | Remarks | “The rain measuring cylinder was accidentally broken, but repaired temporarily to give comparisons with the new glass cylinder purchased from Cooke, Troughton + Simmons on July 30. A mean of three tests between the two, gave 0.500 (inches) (new cylinder) = 0.493 (old cylinder).”  “The new cylinder was brought into regular use from August 1st no correction being applied.” |
| 1928/08/07 | - | Remarks | “Lightning + Thunder with slight rain about 06:15hrs. Further thunder at 11h43m, 12h18m, 12h21m, and 14h09m. |
| 1928/08/16 | - | Remarks | “Max supplied from thermograph, highest temp occurring about 04:15hrs.” |
| 1928/08/14 | - | Remarks | “Max supplied from thermograph, thermometer not set.” |
| 1929/10/08 | 20:30 | Remarks | “Observations inadvertently omitted. Readings (in red) supplied by interpolation + autographic records but not included in the means.” |
| 1929/11/02 | - | Remarks | “Max reading at 08:30 supplied from thermograph. Thermometer not read.” |
| 1929/11/03 | 08:30 | Remarks | “08:30 readings in read supplied by interpolation + autographic records. Not included in means.” |
| 1929/11/04 | - | Remarks | “Pen arm of thermograph lowered 10° for summer temperature. Charts amended to compensate.” |
| 1929/11/16 | 20:30 | Remarks | “20:30 readings in read supplied by interpolation + autographic records. Not included in means.” |
| 1929/12/5-19 | - | Remarks | “Max thermometer Calderana 2688 received for testing from Steenbras Dam. 15 comparisons with RO max gave [a] mean error of 0.03° (negligible). Instrument returned in Jan 1930.” |