

1894July 18<sup>th</sup>

The summit was clear at 23<sup>h</sup> + midnight yesterday, but sky was overcast + a drizzling rain was falling, mist surrounded the hill and was on the Ben till noon to-day. Although frequently clear between 13<sup>h</sup> + 14<sup>h</sup>, the sky continued overcast and fog was almost invariably passing causing complete saturation except at 14<sup>h</sup> + 18<sup>h</sup>. There was no fog below when the top cleared at 17<sup>h</sup>.

July 19<sup>th</sup>

The top was mostly clear from 8<sup>h</sup> to 15<sup>h</sup>: but the clouds were very low, tipping the surrounding hills + frequently passing as fog over the Ben. There was no fog below at 14<sup>h</sup> and 15<sup>h</sup> + only a very slight blue haze in the distance. The air was slightly dry from 10<sup>h</sup> to 19<sup>h</sup> but mist, with heavy showers of rain, enveloped the hill the rest of the day. There was a sudden fall in temperature of about two & a half degrees between 21<sup>h</sup> + 22<sup>h</sup>.

July 20<sup>th</sup>

The mist cleared away for about half-an-hour at 3<sup>h</sup> but <sup>defunct</sup> fog lay on the surrounding hills and soon enveloped the summit again. Some heavy showers of rain, like thunder-showers fell during the day. There were a good few breaks in the mist from 20<sup>h</sup> but the top was never perfectly clear. Great difficulty was experienced in sending telegraphic messages to-day owing to the presence of strong earth-currents in the cable.

A beautiful Lunar Corona was seen at 3<sup>h</sup>.  
To-day George Day came up and Sam. Weir went down.

July 21<sup>st</sup>

Sky cloudy, + fog passing at times till 18<sup>h</sup> mist thereafter. Some heavy showers of rain, (with some sleet between 10<sup>h</sup> + 11<sup>h</sup>) fell in forenoon + afternoon. At 3<sup>h</sup> the fog was most continuous over Gulf of some part of Loch Linnhe + over Glen More; stratus-fog lay in some valleys to SE + S, but there was only a very thin blue haze in others. When the top cleared at 17<sup>h</sup> bright luminous rays, like Auroral streamers,



July 21<sup>st</sup> (contd) reaching an altitude of between 50 and 60 degrees, were seen to N + NE. No arch could be seen but this was probably owing to the fog which lay up to our level & was passing frequently over the summit. St Elmo's Fire was heard, hissing strongly at 13<sup>h</sup> & again at 17<sup>h</sup>. Thunder-peals were heard at 17<sup>h</sup> 19<sup>m</sup> & at 17<sup>h</sup> 30<sup>m</sup>. Mr Miller reports having seen lightning-flashes to SE<sup>o</sup> between 17<sup>h</sup> & 18<sup>h</sup> at 18<sup>h</sup> a dark gloomy appearance was noted to N, E, SE & SW & passing showers to SE<sup>o</sup>.

July 22<sup>nd</sup> Top mostly clear after 6<sup>h</sup> but fog passing at times till 13<sup>h</sup>. The clouds were usually low, grazing the tops of the hills at horizon & were sinking below our level at 20<sup>h</sup> forming fog to N, E, & W. The fog then appeared to rise again, almost completely covering the sky at 21<sup>h</sup> after which both fog & clouds gradually disappeared. The sky was almost cloudless after 18<sup>h</sup>. All afternoon huge masses of solid-looking, lumpy Cumulus, with sharply-defined outline, were noted at horizon; & passing showers to NE, E, & SE<sup>o</sup> at 15<sup>h</sup> & 16<sup>h</sup> & to E<sup>o</sup> again at 18<sup>h</sup>.

July 23<sup>rd</sup> Sky cloudless except for a little Cumulus at times till 10<sup>h</sup> & after 19<sup>h</sup>. In the early morning fog lay on the hills to N + NE, & Stratus fog in a few valleys to SE & W; this disappeared in the course of the forenoon but reformed in the Evening & at midnight Cumulus fog lay on hills all round & was passing over the summit at times. Passing showers were noticed all round in afternoon & the appearance was rather gloomy to N + NE at 17<sup>h</sup> & 18<sup>h</sup>. The air was very clear all day, the Outer Hebrides being seen in the morning & Ireland at 18<sup>h</sup>. There was dew on the Roof in the early morning. A Lunar Corona was seen at Midnight.



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July 24<sup>th</sup>

The Sky continued cloudless till 9<sup>H</sup> 3 after which it was almost overcast till 17<sup>H</sup>: it cleared again at night but was more than half covered with Cirrus at Midnight. Fog lay on the hills in the morning but disappeared in the afternoon leaving a slight haze in the valleys below: it reappeared & was on or passing over the summit from 20<sup>H</sup>

A Lunar Corona was seen at 2<sup>H</sup> & a Lunar Halo at Midnight.

July 25<sup>th</sup>

The air was very dry, & clear to Westward all morning: but became more hazy during the afternoon. The lowest Humidity (43) & the Maximum Temperature for the day (46.6) occurred at 10<sup>H</sup>, at which time also the Outer Hebrides were first seen. Sky was more or less clouded with Cirrus in the morning, <sup>became</sup> overcast at 14<sup>H</sup> & mist enveloped the summit after 19<sup>H</sup>. Detached fog lay among the hills to N, E & S in the early morning ~~and~~ <sup>haze</sup> to W & S W: the fog had completely disappeared by 10<sup>H</sup> but formed on the hills to E & S at 15<sup>H</sup> & frequently passing thereafter. A strong ESE<sup>ly</sup> wind was blowing all day rising to a gale in the afternoon but moderating towards night. Some heavy showers of rain fell between 22<sup>H</sup> & Midnight. Barometer falling all day.  
Lunar Coronae seen through passing fog this morning

July 26<sup>th</sup>

A click was heard on the Telegraph instrument at 5<sup>H</sup> 2<sup>M</sup>. & rather weak earth-currents were in the cable all day. Some showers of rain fell in early morning & a slight drizzle in afternoon. Top showed signs of clearing at midnight.

July 27<sup>th</sup>

The summit was clear in early morning & mostly after 11<sup>H</sup> but fog was on or passing till 22<sup>H</sup>, after which a thick haze lay in the valleys all round. Temperature rather high today, reaching 52.6 at noon.



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July 28<sup>th</sup> Sky almost cloudless at times in morning <sup>4</sup>  
+ at night. Thick haze lay all round all day, + detached  
fog to S<sup>W</sup> in morning. Temperature continued high all  
day ranging from 46 to 55. Dew on roof at Midnight.  
Today Mr A. D. Russell came to Observatory to  
act as Observer in place of R. Macdonnell who is  
to act as Telegraphist.

July 29<sup>th</sup> Sky was only slightly cloudy ~~all day~~, + a  
thin haze continued in the valleys all day. Very  
thin patches of Stratus-fog lay to the SE in early morning  
+ a rather thick haze to W<sup>W</sup> + SW. Temperature high show-  
ing large daily range, 48 to 59. Dew lay on the roof  
in early morning.

July 30<sup>th</sup> Thin bluish haze below all day. Patches of Stratus  
fog lay to N + NE at 3<sup>h</sup> + the hill was enveloped  
from 4<sup>h</sup> to 6<sup>h</sup>. Sky was cloudless till 9<sup>h</sup> + partially  
covered with Cumulus the rest of the day. There was no  
fog below at 13<sup>h</sup> but it began to appear at 14<sup>h</sup>. The clouds  
were sinking at 22<sup>h</sup> + completely surrounded the Ben at  
23<sup>h</sup> + midnight. The ascending currents were very  
noticeable to S<sup>W</sup> + W<sup>W</sup> in the morning + afternoon.  
This evening Messrs A. Rankin and R. Macdonnell  
managed to reach the end of the 'Buttress' separat-  
ing the first + second Gorges, the greatest difficulty  
of the climb being experienced at a 'Gap' about seven  
feet wide + ten feet deep, which had to be avoided by  
climbing below.

July 31<sup>st</sup> Thin Stratus fog was observed in the valleys at 1<sup>h</sup>  
+ this gradually increased in amount, rising at some  
times until it rose above our level and was passing at  
24<sup>h</sup>. It soon however began to disperse after sunrise,  
leaving haze below at 14<sup>h</sup>. It formed again on hills after



July 31<sup>st</sup> (Wed). 15<sup>th</sup> + was in or passing till midnight. 5  
The sky was cloudless at 1<sup>st</sup> but gradually became covered  
with Cirrus, + was almost completely overcast from 10<sup>th</sup>.  
Solar Halos were seen at 10<sup>th</sup> + 11<sup>th</sup> + a glory surrounded  
the shadow of the Tower projected on fog at 5<sup>th</sup>.  
Half a dozen small mouse-traps <sup>were</sup> sent to Observatory yester-  
day by Mr Oldfield Thomas of the Natural History  
Department of the British Museum, London.

August 2<sup>nd</sup> Summit clear at times but thick  
fog all round + sky overcast. Very heavy rain  
fell after 14<sup>th</sup>. The wind was chiefly S.W. in the  
morning but N. after 13<sup>th</sup> + rather squally at  
night. Barometer was pumping from 17<sup>th</sup> + very  
heavily at midnight.

August 3<sup>rd</sup> Top was clear at 2<sup>th</sup> + 3<sup>th</sup> but sky almost  
overcast. Fog lay on the hills to E. + W. + at horizon to N.  
+ S. + a thin haze lay in those valleys free of fog. Fog  
came on again at 4<sup>th</sup> being then more of the nature  
of haze, but turned into mist at 10<sup>th</sup>. Heavy rain  
fell from 10<sup>th</sup> to 16<sup>th</sup>.

August 10<sup>th</sup> Heavy rain fell in the early morning  
+ showers of sleet with some hail between 10<sup>th</sup> + 14<sup>th</sup>.  
Top was clear at times in forenoon but fog lay  
on the surrounding hills + passed over the summit  
causing the air to be saturated all day. There were  
also a few breaks at night but none for any length  
of time.

August 12<sup>th</sup> Over two inches of rain fell to-day.  
Barometer was pumping slightly all day



August 13<sup>th</sup> Some sharp falls of sleet & hail occurred between 4<sup>th</sup> & 8<sup>th</sup>; and very heavy rain from 18<sup>th</sup>, which continued throughout the greater part of the 14<sup>th</sup>.

August 15<sup>th</sup> There were a few short breaks in the fog or mist in forenoon & afternoon. Very heavy rain fell till 6<sup>th</sup> and after 11<sup>th</sup> till 22<sup>th</sup>, the total being over two inches. Several peals of thunder were heard & a flash of lightning seen shortly before 13<sup>th</sup>. A sharp click was heard on the telegraph instrument at 12<sup>th</sup> 55<sup>th</sup>, evidently due to a flash passing down the cable, as the 'Paraffined Paper' of the Lightning-protector was pierced. A heavy fall of rain, hail & sleet occurred between 12<sup>th</sup> & 13<sup>th</sup>.

August 16<sup>th</sup> The summit was clear for short intervals after 10<sup>th</sup> but the air continued saturated all day. The temperature was very low all day, (31 to 35); & some sleet & hail fell between 8<sup>th</sup> & 11<sup>th</sup> and again between 16<sup>th</sup> & 17<sup>th</sup>. The moisture on the woodwork &c became frozen at 22<sup>th</sup> forming a slippery surface on the Roof.

Some beautiful triple Coronae were seen round the moon at 23<sup>th</sup>, being formed on thin passing Cloud.

August 17<sup>th</sup> A few clicks were heard on the telegraph instrument, indicating the presence of slight earth currents.

August 18<sup>th</sup> There were occasional breaks in the fog at interval during the day, but the surrounding hills were almost completely enveloped in mist; it was rather detached to N & SE at 21<sup>th</sup> when there was no fog in the Valley to N<sup>th</sup>. but sky was overcast by Strato Cirrus forming a 'Noah's ark'.

Dr. C. G. Knott, along with a friend Mr. Donaldson visited the Observatory to-day & stayed overnight.



August 20<sup>th</sup> There were strong Earth-Currents 7  
in the Telegraph-Cable all day.

August 21<sup>st</sup> Detached Stratus-fog lay among the hills at 1<sup>h</sup>  
+ Ice-crystals formed on the roof. Heavy showers of snow  
fell from 6<sup>h</sup> to 14<sup>h</sup> + some sleet in the evening. The fog  
cleared again about 13<sup>h</sup> till after 14<sup>h</sup>; the sky was  
cloudy + thick Cumulus-fog lay all round + envelop-  
ed the hill again at 15<sup>h</sup> with short breaks at 18<sup>h</sup> + 23<sup>h</sup>.  
The summit was quite white with snow all fore-  
noon + continued so till after 15<sup>h</sup>.

August 22<sup>nd</sup> The fog cleared from off the summit at 3<sup>h</sup>.  
Morning sky cloudless or very nearly so till 8<sup>h</sup>; it then  
became overcast + continued so the rest of the day.  
except at 20<sup>h</sup> + 21<sup>h</sup>, when it was almost cloudless again.  
The fog continued to hang about the hill-tops more  
or less all day, sometimes almost completely sur-  
rounding the Bear.

Lunar Coronae were seen this morning; and a Solar  
Corona, + Glory round the shadow of the Tower  
were seen at sunrise, on thin passing fog.  
There was a slight coating of frost on the roof  
at 5<sup>h</sup> although the minimum-shade temperature  
was only (33°). The Pink afterglow + green  
flash were seen at sunset to-day.

August 23<sup>rd</sup> Sky almost cloudless in morning + after  
18<sup>h</sup> cloudy or overcast the rest of the day, + fog passing  
at times. Fog lay on the hills N<sup>W</sup> + E<sup>W</sup> in the early morning  
+ some patches to S<sup>W</sup> + W<sup>W</sup>; continued to hang about the  
hills more or less all day. The clouds were very low  
all afternoon frequently touching the surrounding hills  
+ at times enveloping the summit in fog. Dew lay on  
the roof at 22<sup>h</sup> + hoarfrost at 23<sup>h</sup> + midnight. Pink  
afterglow was observed at 20<sup>h</sup>. An aurora stretch



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August 23<sup>rd</sup> (contd). - mig from WNW to NNE was seen 8 at midnight. It apparently consisted of two arches with short streamers, extending both upwards & downwards in the western part of the arch, but details could not be made out very well owing to the moonlight.

August 24<sup>th</sup> The aurora was very faint at 1<sup>st</sup> but became more distinct at 2<sup>nd</sup>, the dark segment being then well defined but no streamers were seen; it was again very faint at 3<sup>rd</sup>. Fog lay on the hills to N<sup>o</sup> & E in early morning but increased in amount all round, passing at times after 3<sup>rd</sup>; it was on the summit from 10<sup>th</sup> till 14<sup>th</sup> & formed cloud in our sky till 17<sup>th</sup>. The sky was cloudless till 9<sup>th</sup> & after 17<sup>th</sup> except for some very thin fleecy cumulus, from 22<sup>nd</sup> till 23<sup>rd</sup>, which quickly disappeared, leaving it cloudless again at midnight.

a fogbow & glory were seen at 6<sup>th</sup>. The Hour-frost lay on the roof & stones till after 7<sup>th</sup>; There was a thin sheet of ice on a part of water which had been left out all night. The foreglow & afterglow were seen today. Dew lay on roof at 23<sup>rd</sup> & midnight.

The minimum thermometer read 24<sup>o</sup> 6 at 7<sup>th</sup> 15<sup>th</sup> having evidently been tampered with by Tourists; the 4<sup>th</sup> reading was accordingly entered on the daily sheet. The wind veered from N at 13<sup>th</sup> to W at midnight.

August 25<sup>th</sup> There was haze below all day & more or less fog among the hills to N, E, & S, till 14<sup>th</sup> when it disappeared; but forming again in the evening, being continuous from N E, <sup>roughly</sup> East to S W. The sky was cloudless or nearly so the greater part of the day; the clouds in afternoon were formed by the fog rising to form cumulus; some Cirrus began to form in the sky at 22<sup>nd</sup>. There was Hourfrost on the roof at 1<sup>st</sup> but it disappeared by 2<sup>nd</sup>. Lightning seen at 2<sup>nd</sup>.



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August 26<sup>th</sup> The sky was more or less clouded with 9  
 Cirrus + Cirro stratus all forenoon but this gave way  
 to Cirro-Cumulus in the course of the afternoon. Fog lay  
 all round below in the morning & rose, surrounding  
 the Bee in forenoon, to form low Cumulus which con-  
 tinued to touch the hill tops all afternoon. & sank again  
 at night shutting out the greater part of the surround-  
 ing country, both hills being the farthest part visible from  
 21<sup>st</sup>. 4000 ft lay on the wooden part of the roof in  
 the early morning. The air was very dry  
 all forenoon, the lowest humidity being 35 at 8<sup>th</sup>.

August 27<sup>th</sup> Although fog was on or passing till 21<sup>st</sup>, the  
 air was slightly dry all day: The fog sank below our  
 level at 22<sup>nd</sup> leaving the sky almost cloudless the rest of  
 the night. Lunar Corona seen at 3<sup>rd</sup>.

August 28<sup>th</sup> Sky cloudless or nearly so till 5<sup>th</sup>, cloudy till  
 10<sup>th</sup>, after which a wet mist enveloped the hill till 22<sup>nd</sup>.  
 when the sky again became almost cloudless. Fog  
 lay all round to 4000 ft in the early morning &  
 was passing all forenoon. There was a fall of more  
 than 2 degrees between 21<sup>st</sup> & 22<sup>nd</sup> but the temperature  
 rose  $3\frac{1}{2}$  degrees at 23<sup>rd</sup> & at the same time the  
 humidity fell from saturation at 22<sup>nd</sup> to 48 at 23<sup>rd</sup>.  
 The fog was continuous all round at 23<sup>rd</sup> but had  
 become somewhat broken up by midnight.

August 29<sup>th</sup> Sky practically cloudless till 3<sup>rd</sup> after which  
 it continued almost overcast with Cirrus the rest  
 of the day. Fog continued to lie below our level and  
 never rose to form clouds or to pass over the Bee. The  
 air was very dry all day, lowest humidity being 30  
 at 18<sup>th</sup>. There was a thick haze at horizon all day. The  
 temperature rose continuously to 54 at 13<sup>th</sup> & fell slowly to



August 29<sup>th</sup> (contd) 48 at midnight. Strong N<sup>W</sup> + NW<sup>W</sup>  
winds blew all day.

August 30<sup>th</sup>. The summit continued clear but sky overcast + mist or fog passing till 9<sup>H</sup> after which a wet mist was on the Ben with short breaks at 20<sup>H</sup> + 22<sup>H</sup>. Temperature was very irregular all day the minimum (38°) occurring at 8<sup>H</sup> + the maximum (45°) at 9<sup>H</sup> when the lowest Humidity 46, occurred also.

August 31<sup>st</sup> Mist with drizzling rain continued till 16<sup>H</sup> after which the top was mostly clear although fog ~~continued~~ was passing at times till midnight. The sky was almost overcast but became cloudless at 23<sup>H</sup> + midnight.

An Aurora was seen at 23<sup>H</sup> + midnight; it consisted of a single arch with very short rays at its western part, flashing both upwards + downwards; the dark segment was well-defined + the auroral arch stretched from NW + W to N + W.

September 1<sup>st</sup> Sky almost cloudless till 4<sup>H</sup>, cloudy or overcast till 11<sup>H</sup>. fog then covered the summit till 1/4<sup>H</sup> after which it cleared although the clouds were often touching the surrounding hill-tops; the sky again became cloudless at 23<sup>H</sup> + midnight.

The Aurora continued to be seen till 2<sup>H</sup> when it was reduced to a small luminous patch to NNW<sup>W</sup>. An Aurora was again seen at 23<sup>H</sup> + midnight.

Frost lay on the roof in the early morning + all over the hill-tops from 21<sup>H</sup>. The shade-temperature fell below freezing-point at night.



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September 2<sup>nd</sup> Sky cloudless till 9<sup>h</sup>, cloudy + fog on 11  
or passing till 20<sup>h</sup>, after which it again became  
almost cloudless. Temperature low all day (28 to 36) &  
A slight shower of snow fell between 12<sup>h</sup> & 14<sup>h</sup> & heavy  
hail between 15<sup>h</sup> & 16<sup>h</sup>. The clouds were very low all  
day & appeared to be due to rising fog.  
The aurora continued visible till 3<sup>h</sup>; it had streamers  
reaching 30° upwards at 1<sup>h</sup> & was then brighter than  
at midnight. Hoar frost lay on the hill-top in  
the morning & again at night & there was a thin  
sheet of ice on the surface of the water barrels.  
Very faint aurora from 2<sup>h</sup> till midnight

September 3<sup>rd</sup> Sky was cloudless again & nearly so till 3<sup>h</sup> & at  
6<sup>h</sup> & 7<sup>h</sup>, but fog was on or passing the rest of the day.  
Temperature rather lower than yesterday (28 to 34) &  
heavy showers of snow fell between 12<sup>h</sup> & 19<sup>h</sup> and lay  
on the summit the rest of the day. Hoar frost lay on  
the hill-top in the morning & ice covered the surfaces  
of the water barrels

September 4<sup>th</sup> Top clear but sky cloudy till 8<sup>h</sup> & at 13<sup>h</sup>,  
fog or mist the rest of the day. Heavy showers of rain, sleet,  
& hail fell after 16<sup>h</sup>. Air saturated all day except at 13<sup>h</sup>.  
The snow lay on the hill-top till noon.

Sept: 5<sup>th</sup> Summit frequently clear after 6<sup>h</sup> but fog on or  
passing all day. The clouds at night were formed by  
the fog on the surrounding hills rising into our sky & at  
times breaking off as wind. Slight shower of snow  
fell in the morning. Temperature still low (30-35)

Sept: 6<sup>th</sup> Sky cloudy (except at 4<sup>h</sup>) & fog passing till 8<sup>h</sup>  
overcast till 17<sup>h</sup>. Fog or mist thereafter. The fog, which  
lay on the surrounding hills in detached masses, all  
morning, had completely disappeared by 14<sup>h</sup> but the  
clouds were seen to touch the hills at horizon to N.E.  
as long as the summit was clear. The air was very clear  
in the afternoon; the Outer Hebrides being seen at 15<sup>h</sup>



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Sept 7<sup>th</sup>

The Ben was mostly clear from 21<sup>h</sup> & the sky became cloudless at midnight, although fog was frequently passing over the summit. Drizzling rain fell in the afternoon & <sup>slight</sup> showers of snow at night.

Mr. T. Marr came to the Observatory to-day to perform some Hygrometrical experiments.

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Sept 8<sup>th</sup>

Summit clear almost all day & sky only slightly cloudy in early morning & cloudless at 23<sup>h</sup> & midnight. Fog continued to lie, (more or less) round the hill till noon & was replaced by haze in the valleys. The clouds sank & enveloped the Ben in fog from 19<sup>h</sup> to 22<sup>h</sup>, when it fell below our level. There was a slight fall of snow between 11<sup>h</sup> & noon.

Mr. Charles T. R. Wilson arrived at the Observatory to replace Mr. A. D. Russell, who went down to-day.

Sept 9<sup>th</sup>

Sky cloudless all day except for a little Cirri-form cloud in the afternoon. Fog lay all round & was passing occasionally, all forenoon but disappeared in the afternoon (about 15<sup>h</sup>) leaving a slight haze in the valleys the rest of the day. The air was very clear all day especially at 19<sup>h</sup> when the Outer Hebrides were very distinctly seen but a haze lay towards the South-West preventing Ireland becoming visible. The air was very dry at times especially at night the lowest Humidity being 46 at 21<sup>h</sup>.

Lunar Coronae were seen at 21<sup>h</sup> & 22<sup>h</sup>

Sept 10<sup>th</sup>

Sky more or less clouded, chiefly with Cirrus from 4<sup>h</sup>. Fog lay at first over the water courses (Caledonian Canal, Loch Eil & Loch Linnhe) & increased in amount covering the surrounding hills country almost all forenoon; it decreased in afternoon but continued to hang in patches in the hills & increased



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Sept<sup>r</sup> 10<sup>th</sup> (cont<sup>d</sup>) again towards evening, enveloping the 13 summit in mist from 21<sup>st</sup>. The temperature was a good deal higher than it has been since the beginning of the month, the maximum hourly reading being about 50. The air continued very dry till 20<sup>th</sup>, (minimum humidity 21 at 16<sup>th</sup>) but was not so clear as yesterday.

Sept<sup>r</sup> 11<sup>th</sup>. The mist showed signs of clearing at 17<sup>th</sup> & sank below our level at 20<sup>th</sup>, leaving the sky cloudy; at first the fog was pretty continuous but had become broken up into detached masses at midnight.

Lunar Corona seen at 22<sup>nd</sup> & 23<sup>rd</sup>.

Sept<sup>r</sup> 12<sup>th</sup>. a varying amount of cloud continued in the sky ~~the~~ all day, becoming overcast at midnight. Fog lay on the surrounding hills (as passing at 3<sup>rd</sup> & 4<sup>th</sup>) all forenoon but disappeared by 12<sup>th</sup> leaving a slight haze in the valleys. Air clear & very dry all day; lowest humidity 33 at 19<sup>th</sup>.

Sept<sup>r</sup> 13<sup>th</sup>. Sky overcast till 20<sup>th</sup> after which it was cloudless till 22<sup>nd</sup> becoming cloudy at 23<sup>rd</sup>. a thick haze lay all round all day, with detached fog among the hills in the afternoon; this was passing over the summit from 17<sup>th</sup> onwards.

Lunar Corona seen at 22<sup>nd</sup>.

Sept<sup>r</sup> 14<sup>th</sup>. Some difficulty was experienced in sending off the Report to-night, owing to the presence of strong earth currents in the cable, which continued from 21<sup>st</sup> till after midnight.

Sept<sup>r</sup> 15<sup>th</sup>. The fog sank below the level of the Ben leaving the sky cloudless from 16<sup>th</sup>. The fog completely obscured the surrounding country till 21<sup>st</sup> but had given way to <sup>thick</sup> haze in the valleys at 22<sup>nd</sup> but some stratus fog still lay on the hills to N<sup>o</sup> a very thin fog or haze



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Sept: 15<sup>th</sup> (contd), was passing at 23<sup>h</sup> & a bank of Stratus-  
haze lay all round the horizon ever since the  
top cleared; there was no fog below at midnight.  
Solar fogbow & glories at 16<sup>h</sup> & Lunar Corona at 23<sup>h</sup>  
Mr. Marr reports having seen a 'Redpoll' on a  
ledge of rock beside the bucket-stage this afternoon  
& a covey of five grouse above Buchanan's Well, when  
ascending the Ben on the afternoon of the 17<sup>th</sup>

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Sept: 16<sup>th</sup> Sky cloudless all day. Patches of fog (stratus) lay  
in the thick haze below, to Eastward & Southward at 4<sup>h</sup>; this  
gradually became continuous & extended to Northward &  
Westward until it was continuous all round, complete  
by hiding the surrounding country at 4<sup>h</sup>. This continued  
till 11<sup>h</sup> after which it broke up leaving a thick haze in  
the valleys at 17<sup>h</sup>. A haze or very thin fog was passing  
at times over the hill from 19<sup>h</sup>, forming fog at 22<sup>h</sup> &  
scud at midnight. Temperature rose from 45 at 4<sup>h</sup> to 55  
at noon but fell to 40 at midnight. Air very dry till  
14<sup>h</sup> lowest Humidity 31.

Lunar Corona seen at 21<sup>h</sup> & midnight.

Sept: 17<sup>th</sup> A thin fog was on or passing till 5<sup>h</sup> but the sky  
was cloudless (when seen) & continued so except for a  
little Cirrus in afternoon & at night. A very thick haze  
(with fog and patches) lay all round below all day but fog formed in the  
valleys at night; this was continuous from East round  
by South to Westward. Cumulus formed on the horizon  
in the afternoon & loose Scud drifted over the sky from  
15<sup>h</sup> to 18<sup>h</sup>. The lowest Humidity (50) occurred at midnight.

Lunar Corona at 2<sup>h</sup> & 3<sup>h</sup>

R. Macdonald reports having heard Thunder from  
NW at 12.37<sup>m</sup>.

Sept: 18<sup>th</sup> Sky cloudless or nearly so all day. Temperature  
was high, (46 to 55) & almost equal to that at the Low  
Level Station. Continuous fog lay below all forenoon &  
thick haze in afternoon, with fog to East & South at



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Sept: 18<sup>th</sup> (contd) night. air very dry all day Humidity 15  
ranging from 30 to 51.

Sept: 19<sup>th</sup> Sky cloudy, & fog all round below, all day & passing at  
times from 9<sup>th</sup>. Temperature was unsteady, ~~the~~ rising  
several degrees when the top was clear & falling an  
equal amount when fog was passing. Air was very dry  
in the morning (minimum 43).

Lunar Corona at 23<sup>rd</sup>. There were strong Earth-  
currents in the Cable from before 15<sup>th</sup>, causing the sig-  
nals to be very weak & difficult to read.

Sept: 20<sup>th</sup>. Dry fog or overcast sky all day. Thick haze  
& fog lay all round causing the visibility to seldom  
equal (2). The fog appeared to have given place to a  
very thick haze at midnight.

Sept: 21<sup>st</sup>. Fog or overcast sky till shortly before midnight  
when the top suddenly cleared, leaving the sky cloudless  
except for a little haze rising from fog on hills to East-  
ward. When the hill was clear during the afternoon,  
the clouds were low touching the surrounding hills &  
the air was a good <sup>deal</sup> clearer than yesterday.

Lunar Corona seen at midnight.

Sept: 22<sup>nd</sup> The sky was cloudless in the early morning.  
but fog was on or passing till 10<sup>th</sup>; the rest of the day  
was cloudy or overcast. ~~but the fog was not so thick~~. A  
haze occupied the valleys & the clouds were touching the  
hills at the horizon to N. E. all afternoon. Fog was  
on the hills all round at 20<sup>th</sup> & covered Ben Nevis at  
midnight. Some beautiful triple Lunar Coronae were  
seen this morning through thin passing fog.  
Owing to the continued dryness of the past fortnight,  
Wragg's Well has become dry & water had to be  
brought upon horseback from the Red Burn to-day.  
Messrs Marr & Wilson left Observatory to-day.



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Sept<sup>r</sup> 23<sup>rd</sup> Sky overcast till 19<sup>h</sup> after which it grad-16  
ually cleared, becoming cloudless at 22<sup>h</sup> & midnight.  
A thick haze occupied the valleys all day, & the clouds were  
low all afternoon. A gloomy appearance, as of very  
heavy rain, was noted to S & W at 17<sup>h</sup> & 18<sup>h</sup> & very slight  
showers of snow or sleet, fell between 13<sup>h</sup> & 17<sup>h</sup>.  
A fragmentary Rainbow was seen at 16<sup>h</sup>; Hoarfrost  
was observed on woodwork in early morning & at night.

Sept<sup>r</sup> 24<sup>th</sup> Sky was mostly cloudless till 9<sup>h</sup>, cloudy or overcast  
the rest of the day, but clear again at midnight. Fog  
was on the hills till 13<sup>h</sup> after which haze lay below.  
& fog <sup>was</sup> on or passing from 20<sup>h</sup> to 23<sup>h</sup> & a continuous patch  
of stratus fog lay to E & SE at midnight. There was a  
slight shower of rain at 20<sup>h</sup>. A thick covering of  
Hoarfrost lay on the hill-tops in the early morning.

Sept<sup>r</sup> 25<sup>th</sup> Sky cloudless or nearly so till 9<sup>h</sup> cloudy the rest  
of the day with fog passing from 17<sup>h</sup>. Very hazy all day.  
Hoarfrost on roof this morning. Lunar Halo seen at 2<sup>h</sup>.

Sept<sup>r</sup> 26<sup>th</sup> Some heavy showers of snow fell between 14<sup>h</sup>  
and 19<sup>h</sup> & covered the summit the rest of the day.

Sept<sup>r</sup> 27<sup>th</sup> Sky cloudless or nearly so the greater part of the  
day. Fog lay on the hills in the early morning &  
covered the Ben from 8<sup>h</sup> to 11<sup>h</sup>. Temperature never  
rose above the freezing point all day; range 27 to 31.  
The air was very clear to-day, the Outer Hebrides & Ire-  
land being seen. An aurora was first seen at  
22<sup>h</sup> but was then very faint; at 23<sup>h</sup> it had become  
brighter stretching from almost due West to NNE.  
It was brightest in its NW<sup>th</sup> portion & had streamers  
there about 50 degrees upwards, but was very faint  
elsewhere. It had become a luminous band with  
no definite arch at midnight. Bands of Cirro-  
stratus lay at N<sup>th</sup> & W<sup>th</sup> horizon.



Sept. 28<sup>th</sup>. Sky cloudless till 11<sup>h</sup> fog on or passing the rest of the day. When the fog was clear in the afternoon, the clouds were very low on the surrounding hills. Air pretty dry in the morning, lowest Humidity 42. Thick Hoarfrost lay on the roof in early morning.

The aurora continued visible till 4<sup>h</sup> at 1<sup>h</sup> it extended from W. N. to N. E. N but had decreased in extent by 3<sup>h</sup> stretching then from WNW to N. No streamers. The foreglow was seen before sunrise.

Sept. 29<sup>th</sup>. Sky cloudless all day; fog below & passing at times in the early morning & after 14<sup>h</sup>. There seemed to be only haze below from 22<sup>h</sup> onwards. Sun set at 18<sup>h</sup> 9<sup>m</sup>.

Mr R. C. Mossman visited the Observatory to-day & stayed overnight.

Sept. 30<sup>th</sup>. Some cirrus came up from Westward before 17<sup>h</sup> & rapidly spread over our sky but disappeared again by 20<sup>h</sup>; sky cloudless the rest of the day. Stratus fog lay in the valleys to N. & E. at 2<sup>h</sup>; it gradually increased in extent, becoming continuous all round at 5<sup>h</sup>; The fog began to break up before 16<sup>h</sup> but did not completely disappear all day, as some always lay to East & South-East. Air very dry; Humidity ranging from 28 to 60.

A very faint aurora was seen from 20<sup>h</sup> till midnight.

October 1<sup>st</sup>. Sky cloudless or nearly so till 5<sup>h</sup>, cloudy or overcast the rest of the day. Fog lay on the hills all round till 10<sup>h</sup> but had given place to a very thick haze by noon; this continued below the rest of the day. Air very dry in morning & at night.

The Hotel was closed for the season this afternoon.

October 2<sup>nd</sup>. Sky cloudy all day; fog passing from 2<sup>h</sup> till after 5<sup>h</sup> fog lay all round in forenoon & very thick haze with fog to W. & S.W. during the rest of the day. Temperature showed a large daily range (34 to 55) the air was very dry almost all day. aurora with single patches & short streamers at times was



Oct 3<sup>rd</sup> Sky partly clouded with Cirrus till noon cloudless thereafter. Temperature was high & air very dry all day, the Humidity ranging from 40 to 27. A very thick haze, with thin fog at times, continued in the valleys all day.

Oct 4<sup>th</sup> Sky cloudless & haze in valleys all day but lower & not so dense as yesterday. Temperature very high (47 to 56) & air very dry all day. Humidity 27 to 38. An aurora was first seen very faintly at 20<sup>th</sup>; at 21<sup>st</sup> it stretched from WNW to NE & N & had streamers about 35 degrees upwards at 22<sup>nd</sup>; the rest of the night it was very faint. The haze formed <sup>into</sup> stratus-fog in the valleys all forenoon & again at night. A shoot was seen at 18<sup>th</sup>.

Oct 5<sup>th</sup> Sky cloudless & stratus-fog below all day; it rose towards night & was on or passing our mast from 20<sup>th</sup>. There was a sudden fall in Temperature of 10 degrees (47 to 37) at 20<sup>th</sup> when the mist came on, air very dry the greater part of the day. The aurora again became very active with streamers (short) at 1<sup>st</sup> & 2<sup>nd</sup> when it extended from NW to N, but was very faint at 3<sup>rd</sup> & 4<sup>th</sup>.

George Day left the Observatory & Mr. Miller came up this afternoon.

Oct 6<sup>th</sup> The sky was cloudless till 6<sup>th</sup> but fog lay on the hills & rose enveloping the summit from 7<sup>th</sup> onwards, chiefly as mist.

Oct 7<sup>th</sup> There were slight showers of rain at night for the first time since Sept 26<sup>th</sup>.

Oct 9<sup>th</sup> To-day's rainfall was the heaviest since August 19<sup>th</sup>.



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Oct 10<sup>th</sup> Mist with heavy drizzle continued till 4<sup>h</sup> after which the top cleared & sky was practically cloudless till noon. The fog on the surrounding hills again covered the Ben till 17<sup>h</sup> but it was mostly clear although cloudy the rest of the day.  
a Lunar Corona seen at 20<sup>h</sup>

Oct 11<sup>th</sup> Cloudless or nearly so till noon; cloudy with Cirrus till 19<sup>h</sup>. a layer of Stratus overcast the sky at 20<sup>h</sup> & had sunk forming mist by 21<sup>h</sup>. The air was very dry all morning, lowest humidity 27.  
a Lunar Halo at 19<sup>h</sup> & Lunar Corona at 20<sup>h</sup>

October 12<sup>th</sup> Today Mr R T Omond and ~~D~~<sup>T</sup> Ray arrived at the observatory and Mr Charles Stewart and J Miller left.

October 15 Both yesterday and today the sky seemed pretty clear above and there was no fog in valleys; but occasional clouds brought slight snow showers and the top was mostly in fog.

October 16<sup>th</sup> Lunar Corona seen at 5<sup>h</sup>. Double Solar fog horns at 7<sup>h</sup> and 9<sup>h</sup> and a Lunar fog horn at 20<sup>h</sup>. Summit clear occasionally but fog always on hills and rolling about all round.

October 17 Solar fog horn seen at 10<sup>h</sup>.

October 18 Sky pretty clear all day but fog rolling about among hills and passing Ben Xmas either as fog or cumulus.



1894

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at 1<sup>h</sup> 20<sup>m</sup> a small thermometer box was put out on Ladder Stand No 1. as the curves of the large box were getting choked with hard ice. Dry 192677 - Wet 192672 and Min 138533 were put out in this box - The following double readings were taken - These small box <sup>readings</sup> was exposed on daily sheet from 2<sup>h</sup> onwards

	Large Box		Small Box	
	Dry	Wet	Dry	Wet
2 <sup>h</sup> -	25.8	25.8	26.0	26.0
3 "	25.5	25.5	25.9	25.9
4 "	24.3	24.3	24.4	24.4

October 19<sup>th</sup>

Fog lying over Lochail at 4<sup>h</sup> and for the rest of the day fog either on the hills round or rolling over Ben Nevis, but always in loose Cumulus like masses. Lunar Corona seen at 22<sup>h</sup>

October 20

Sky pretty clear but fog on hills and passing over Ben Nevis at times all day. The slight snow that fell in afternoon caused some drift -

October 21

air very clear in afternoon. The Outer Hebrides being visible for several hours -

October 23

Haze in valleys all morning, but air clear above it - Very strong wind at night -



1894

21

Tower Screen in use: no correction applied to it as it read almost the same as the Stevenson — not over 0.2 of difference — at such hours as double readings were taken —

Today Mr J. Miller came up the hill & Mr Robt. Macdonald went down —

at night the thermometer on kitchen wall within 6 feet of stove went down to  $34.5^{\circ}$  & those in instrument cupboard in office to  $34.0^{\circ}$  —

October 24<sup>th</sup>

Tower thermometer used at  $1^h$  and  $2^h$  — Wind very light after  $20^h$  though Barometer still falling

October 25<sup>th</sup>

Northward winds began at  $1^h$  — Barometer reached its lowest at  $5^h$  — and Temperature only began to fall at  $14^h$  — after which the N<sup>th</sup> winds became much stronger —

October 26<sup>th</sup>

Aurora seen at  $1^h$  — Thermometer Box shifted at  $6^h 15^m$  by 535541 Wet 535542 and Min 138545 put out — Height not altered —

In afternoon new top joint was fixed up in kitchen chimney —

October 27<sup>th</sup>

Faint aurora seen at  $19^h$  — air very clear to W<sup>th</sup> in afternoon —



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October 30<sup>th</sup>Thermometer Box shifted at 4<sup>h</sup> 20<sup>m</sup>Dy 192677 : Wet 192672 and Min 138533 put mt.  
Position not altered.

The Sky cleared at 3<sup>h</sup> and remained cloudless all day, but fog was sitting about among the hills all round till 18<sup>h</sup>. Aurora, single arch, seen from 21<sup>h</sup> onwards. Also seen at 5<sup>h</sup> at 8<sup>h</sup> and 9<sup>h</sup>. Low fog lay over Socheil and Soch Sinnhe. In the afternoon a weasel was seen near Observatory.

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October 31<sup>st</sup>Aurora continued visible but always getting fainter till 3<sup>h</sup>. ~~Very~~ Very squally at night.

The snow has been almost entirely thawed off by Midnight, only a few of the deeper patches being left.

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November 3

The mist lifted at 14<sup>h</sup> and the top continued clear till close on 19<sup>h</sup>. No fog below but heavy cumulus overhead.

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November 4<sup>th</sup>

at 5<sup>h</sup> a mouse was seen in front of house near kitchen window.

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November 6

Today Mr. Robt. Muecking all returned to the observatory & Mr. J. Miller went down to Fort Wm.

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23

November 8<sup>o</sup>

at 13<sup>h</sup> St Elmo's fire was heard as a hissing noise on all posts, chimneys etc -

November 12<sup>o</sup>

Thermometer Box shifted at 15<sup>h</sup> 25<sup>m</sup> The fresh one was put on Ladder stand No 2. instead of No 1. as formerly. Height above snow of old box 39 inches of fresh box 51 inches. Dry 535541 : Wet 535542 and Min 138545 were put out -

November 13<sup>o</sup>

No gauge out till 22<sup>h</sup> but little or no snow fell till 16<sup>h</sup> Heavy hail and snow fell from 21<sup>h</sup> to 23<sup>h</sup> and at the same time there were strong earth currents in telegraph cable -

Thermometer Box shifted at 4<sup>h</sup> 15<sup>m</sup> Dry 192677 Wet 192672 and Min 138533 put out -

Height not altered - Sky clear but fog all round & passing at times from 4<sup>h</sup> to 12<sup>h</sup> Severe S<sup>o</sup> gale in evening with great drift Tower screen in use from 18<sup>h</sup> to 21<sup>h</sup> No correction applied to its readings, as from 13<sup>h</sup> to 17<sup>h</sup> it never differed more than 0.1 from the Stevenson thermometer - Barometer very unsteady after 21<sup>h</sup>

The Sunshine today is the first recorded since October 30<sup>o</sup> - 13 blank days -



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November 14 at 23<sup>h</sup> 48<sup>m</sup> strong earth current in telegraph cable, one heavy click. - at same time Thunder & lightning were observed at San Pedro Obispo - some here -

November 15<sup>th</sup> No rain gauge was out from 1<sup>h</sup> to 10<sup>h</sup> as the great drift made it useless. - at 2<sup>h</sup> 3<sup>h</sup> 5<sup>h</sup> 6<sup>h</sup> 7<sup>h</sup> and 8<sup>h</sup> Tower Scream was used. The following double readings were taken.

		Tower	Scream	Diff.		Tower	Scream	Diff.
14 <sup>h</sup>	21	24.4	24.2	-.2	15 <sup>h</sup> 5	25.2		
	22	25.2	24.2	-1.0	6	24.7		
	23	25.2	24.8	-.4	7	24.8		
	Mat	25.6	24.9	-.7	8	24.2		
15 <sup>h</sup>	1	25.2	24.4	-.8	9	25.1	24.7	-.4
	2	25.2			10	25.0	24.7	-.3
	3	25.4			11	24.9	24.6	-.3
	4	25.2	24.3	-.9	Norm	25.9	25.5	-.4

Giving a mean correction of  $-0.5$  which was applied to the Tower readings at such hours as the Scream was not used.

Faint Earth-current in telegraph cable at 3<sup>h</sup> 22<sup>m</sup> St Elmo's Fire was heard at 11<sup>h</sup> and again at 13<sup>h</sup> 45<sup>m</sup>

November 19 Thermometer Box shifted at 3<sup>h</sup> 18<sup>m</sup>  
 ☉ 535541 : Wet 535542 and Min 138545 put out. Height alone now not altered.



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Sky almost cloudless and no fog below from 3<sup>h</sup> to 7<sup>h</sup>

November 23.

Amora seen after top cleared at 20<sup>h</sup> -  
Single arch with no streamers and very dark space  
below = variable in brightness at different hours -

Thermometer Box shifted at 23<sup>h</sup> 15<sup>m</sup> -

Day 192677 = Wet 192672 and Min 138533 put  
out. Height above snow not altered -

November 24<sup>th</sup>

Amora continued visible faintly till 3<sup>h</sup> and  
was again seen at 19<sup>h</sup> - Till 7<sup>h</sup> fog was seen  
lying over Loch Lochy & all down the Caledonian Canal  
Valley = at 8<sup>h</sup> fog was passing in summit &  
no further observations of the low fog could be  
got, but it was so thick on Loch Linnhe that  
the Mail Steamer leaving Fort William between  
8<sup>h</sup> and 9<sup>h</sup> went on shore at the point  
just SW of Ben Luel Chery -

Fog continued to blow over the summit most  
of the day, but the sky above was clear when  
seen -

November 25<sup>th</sup> after the top cleared at 11<sup>h</sup> the valleys to  
N and W were mostly clear, but fog lay on hills to  
S and E at about 4000 feet sinking a little at night -



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November 26<sup>th</sup>

Fog lay on hills to S and E till 4<sup>h</sup> after which it rose & covered Ben Nevis also till 7<sup>h</sup> - it then sank and lay as a thin layer of loose cum-fog on all the hill tops round for the rest of the day, the sky above being cloudless - at 1<sup>h</sup> the Dy & wet read 30.9 and 27.1 yet within 3 minutes after they were read a wave of dry fog blew over the hill - Faint Aurora seen at 23<sup>h</sup> and midnight -

November 27<sup>th</sup>

Sky cloudless but heavy looking fog on the hills round till 5<sup>h</sup> after which it rose & covered Ben Nevis also for the rest of the day, except at 8<sup>h</sup> 9<sup>h</sup> and 10<sup>h</sup> when it lay just below the summit.

November 30<sup>th</sup>

after 10<sup>h</sup> the fog sank below the summit and lay over the hills round at about 4000 feet all day - air very dry on summit all afternoon - Between 13<sup>h</sup> and 14<sup>h</sup> the fog covered the plateau, and when coming up the Sun could not been seen till close to the foot of Maclean's Steep, ~~by~~ at the top of Maclean's Steep the fog was all below and the Sun quite hot.

4 Strangers climbed Ben Nevis in Novemb  
On the 3<sup>rd</sup> and again on the 30<sup>th</sup> one of the  
obswaty horses came up with provisions etc.



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December 1<sup>st</sup>

Fog lay among the hills at from 3000 to 3500 feet till 8<sup>h</sup> after which it rose and by 10<sup>h</sup> was blowing across the summit. at the same time the temperature as usual fell. It was 36.4 at 8<sup>h</sup> and 29.1 at 10<sup>h</sup> after 16<sup>h</sup> the fog sank down again but did not fall below 4000 feet all evening -  
a faint Aurora was seen at 23<sup>h</sup>

December 3<sup>rd</sup>

at 3<sup>h</sup> it was seen that fog lay over Rock Rock, along Caledonian Canal valleys and in Lochail. This continued to a greater or less extent till noon, but after that there was only thick haze in the valleys -

The shadow of Ben Nevis & Earth shadow were well seen at Sunset.

December 2<sup>nd</sup>

Fog lay on the hills at 4000 feet in early morning, gradually sank down in the course of the day and by the evening was lying as haze & low fog in the valleys. The Ben shadow and Earth shadow were well seen at Sunset.

Today three strangers came up the North cliff by the same route as the former climbers reaching the summit at the point beyond the second gorge -



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December 4<sup>th</sup>

Thick haze mingled with patches of low-lying fog in the valleys all day - it lay thickest over the rocks and on the moor of Rannoch -

Today Mr J. Miller returned to the observatory and Mr R. Macdonald went down to Fort William.

December 5<sup>th</sup> at 1<sup>h</sup> clouds were noticed above NE horizon, the first for some time - Haze and fog lay in the valleys till 5<sup>h</sup> after which they rose and there was thick fog on summit all the rest of the day -

about 16<sup>h</sup> 30<sup>m</sup> a weasel was seen at Scullay window yellowish white in colour with black tip to Tail -

December 8<sup>th</sup>

Thermometer Base shifted at 8<sup>h</sup> 20<sup>m</sup>.

Day 535541 : Wet 535542 and Min 138545 put out - Height above sea not altered -

at 9<sup>h</sup> a Rainbow was seen - and at 14<sup>h</sup> some badly defined Glories - When the summit was clear fog mostly lay among and over the hills round in detached masses - a Sunn Halo was seen at 19<sup>h</sup> and 22<sup>h</sup> and a Sunn Corona at 23<sup>h</sup>

December 9<sup>th</sup>

The Top was generally clear till Noon though with occasional fog lying near,



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but there was no fog below till 7<sup>h</sup> after which there was fog seen on hills to E and S.

December 10<sup>th</sup>

No rain gauge was out from 20<sup>h</sup> yesterday to 2<sup>h</sup> today but apparently very little either snow or rain fell during the interval.

After the top cleared at 19<sup>h</sup> there was either fog passing or detached masses of fog among the hills round - there seemed to be a bank of fog to W<sup>W</sup>

December 11<sup>th</sup>

When top was clear in early morning there was always fog round on or among the hills, but when it cleared at midnight there was no fog below - Sun or Corona seen at 22<sup>h</sup> -

Thermometer Box shifted at 23<sup>h</sup> 13<sup>m</sup> Dry 192677 Wet ~~192676~~ 192672 and Min 138533 put out. Height above snow not altered.

December 12<sup>th</sup>

A Lunar Halo, faint and badly defined, was seen at 3<sup>h</sup> up to 3<sup>h</sup> there was no fog below but haze and fog on hills far to W<sup>W</sup>. No rain gauge was put out after 22<sup>h</sup> as there was danger of it being blown away -

December 13

Rain gauge was not put out till 4<sup>h</sup> : Several of the afternoon readings are doubtful as the



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Strong wind was sometimes blowing icy snow along the surface. The wind moved two of the Coal-cellar hatches and tore away the lower part of the roof of the stable - at 16<sup>h</sup> the door of thermometer was found open - at 20<sup>h</sup> & 21<sup>h</sup> rain continued to fall after the temperature was below freezing forming ice on all exposed surfaces.

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December 15<sup>th</sup>

Thermometer Base shifted at 16<sup>h</sup> 18<sup>m</sup> -  
 Dy 535541 : Wet 535542 and min 138545 put out. Height above snow not altered.  
 at 23<sup>h</sup> and didn't find needle shaped crystals of snow were falling.

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December 16<sup>th</sup>

Thermometer Base shifted at 13<sup>h</sup> 10<sup>m</sup> -  
 Dy 192677 : Wet 192672 and min 138533 put out. Height above snow not altered.  
 a faint Solar Halo was seen at 13<sup>h</sup> and 14<sup>h</sup> no colour in it. The sky was covered with cirrus all afternoon.

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December 19<sup>th</sup>

Thermometer Base shifted at 12<sup>h</sup> 20<sup>m</sup> -  
 Dy 535541 : Wet 535542 and min 138545 put out. Height above snow not altered.  
 at 15<sup>h</sup> the Rain gauge was found lying over on its side.

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December 20<sup>th</sup>Thermometer Box shifted at 11<sup>h</sup> 15<sup>m</sup>

By 192677 = Wet 192672 and Min 138533 put out. Put one stage higher on stand -

At 11<sup>h</sup> the fog sunk down leaving sky clear and lay on hills at 4000 feet or more till 15<sup>h</sup> after which it rose over Ben Nevis also I turned to wet mist at night. Some glazes seen at 14<sup>h</sup>

December 22<sup>nd</sup>

at 2<sup>h</sup> the Rain gauge contained 0.410 inch but most of this was obviously drift, and the entry on daily sheet is interpolated. No gauge was out from 3<sup>h</sup> to 5<sup>h</sup> nor from 8<sup>h</sup> to 21<sup>h</sup>. The Tinner Screen was used at 4<sup>h</sup> 0.4 being added to its reading that being the difference between the Stevenson & Tinner thermometers at 3<sup>h</sup> and at 5<sup>h</sup>. During the strong N<sup>e</sup> squalls at 9<sup>h</sup> & 10<sup>h</sup> the snow post A used for measuring the depth was broken -

December 23<sup>rd</sup>

after 15<sup>h</sup> a new snow post was fitted up near the Stevenson Screen. From the amount of fresh snow lying since the last measurements at A. the depth at A. was assumed to be 29 inches, and as the top of the new post was 44 inches above snow it was taken as 73 inches high.



December 24

all day the summit seemed to be near the top of the mist, and when it did sink below the top, it covered all the hills round. W. Stewart who came up the hill with mails reported that he got into the mist at about 700 feet, and that it was continuous all the way above that. Today it was found that the roof of the hut at the Lake had been blown away, probably on the morning of the 22<sup>d</sup>

December 26<sup>d</sup>

When the top cleared at 10<sup>h</sup> there was fog on the hills round, but by 11<sup>h</sup> there was no fog below but Cumulus above the hills all round. Today Mr T. Mann came up the hill to carry on Mr Hedrickson's Hygrometrical work.

December 27

Thermometer Box shifted at 19<sup>h</sup> 15<sup>m</sup>. Dry 535541 = Wet 535542 and min 138545 put out. Height above snow not altered.

December 28<sup>d</sup>

Very heavy Hail and Rain falling about noon - Fine small drift at night at 23<sup>h</sup> the rain gauge was found blown over on its side - all the afternoon rain gauge measurements are very doubtful owing to drift



1894

December 29<sup>th</sup>

at 2<sup>h</sup> the Rain gauge was found blown over & full of drift - No gauge was out after this - there seemed to be only slight showers of snow but a good deal of fine drift was blowing about all day -

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December 30<sup>th</sup>

No rain gauges were out today as there was a good deal of fine drift flying, but apparently no snow fell after 5<sup>h</sup> - Top clear at times in afternoon, snow lying down to sea level -

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December 31<sup>st</sup>

Thermometer Box shifted at 15<sup>h</sup> 25<sup>m</sup>

Dry 192677 = wet 192672 and Min 138533 put out. Height alone snow not altered -

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7 Strangers climbed Ben Nevis in December including 3 who came up the North cliff. — see Dec 2<sup>nd</sup> - Mr Mann also came up to continue the Hygrometrical Experiments, — see Dec 26<sup>th</sup>

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Instruments - etc 1894

Barometer No 1385 has been in use through out the year; No 1285 being kept as a reserve instrument - a few comparison readings were taken in May -

Thermometers. Dry Bulbs 192677 & 535541 with Wet Bulbs 192672 & 535542 were in regular use - Ds 861089 and Wet 861090 were also occasionally used in the beginning of the year.

From July 4<sup>th</sup> 1<sup>st</sup> to Oct 18<sup>th</sup> 1<sup>st</sup> inclusive the large Stevenson screen was in use - for the rest of the year the small screens on ladder stands - The Tower screen was also occasionally used -

Max. 117293 and Min 116918 were used in the large Screen - Mins 138533 and 138545 in the small screens -

Black Bull 186 was in use during the Summer - The Sunshine Recorder (Campbell - Stokes) has been in use throughout -

The anemometers have not been in working order - The driving clock is still used as the standard clock in the office -

Various forms of 5 inch raingauges have



been tried during the year, but a satisfactory type has not yet been devised.

The Bainband has been observed every afternoon with the small Spectroscope.

The Richard Barograph has been in regular use since January 15<sup>th</sup> when the clock was returned after cleaning.

The Camera has been at the Fox River obsec all the year.

The Depth of Snow was measured as usual at Post A. till Dec 22<sup>nd</sup> when the post was broken by a Squall. On Dec 23<sup>rd</sup> a temporary post was erected a little to the south of A. at which the depth has since been taken.

Occasional readings have been taken with the Dust-counter in Tower.

The Rainfall records are broken by the gauge being not out sometimes in high winds and drift: otherwise the records are continuous except that the Tower screen readings have been used once or twice in strong winds instead of the Stevenson. The observations have been



occasionally, a few minutes late -

Mr A J. Habertson's Hygrometrical apparatus consisting of Balance, Aspirators, Drying tubes etc has been at the Observatory all the year.

Mr T. Marr continued the work with them in September, and again in December.

The Telegraph cable has worked fairly well throughout the year.

The Staff of the Observatory consists of R. T. Omond, A. Rankin, J. Miller and R. Macdonald - Up to July 20. Sam. Weir and after October 12 T. Kay were also members of the Staff. Mr Ch. M. Stewart was in charge of the Observatory from June 30 to October 12. Messrs. Russell & Wilson also acted as Observers for a time and G. Day & W. Stewart as cook etc. R. Macdonald acted as telegraph clerk in Summer.

The only change in the routine observations is that since June 19<sup>th</sup> a record has been kept of the Visibility on the following scale -

Summit only seen - - - - -	0
Hills across Glen Venn, Anach Mor etc - - -	1
Glencoe Hills Monagh Sea Hills etc - - -	2
Mull, Caringorms, Ben Enachan, & Schichallium - -	3
Jura, Rum & Skye - - - - -	4
Ireland or Outer Hebrides - - - - -	5



January 1<sup>st</sup>The Sun rose at 8<sup>h</sup> 48<sup>m</sup>January 3<sup>rd</sup>

Thermometer Box shifted at 13<sup>h</sup> 10<sup>m</sup>. Dry 535541; wet 535542 and Min 138545 put out. Height alone snow not altered.

January 4<sup>th</sup>

Thermometer Box shifted at 10<sup>h</sup> 15<sup>m</sup>. Dry 192677 = wet 192672 and Min 138533 put out. Height alone snow not altered.

The Summit was clear frequently today but there was always fog either blowing over or near at hand till 17<sup>h</sup>, after which there was no fog below but sky gradually clouded over & at 23<sup>h</sup> settled down to fog on Summit.

Today W. Stewart came up to Observatory & T. Kay went down.

January 5<sup>th</sup>

at 2<sup>h</sup> the temperature was 20°-1 but there was distinct wet mist on Summit. Today Mr. F. Mann left the Observatory.

January 6<sup>th</sup>

No rain gauge out after 21<sup>h</sup> as the air was full of fine small drift.

January 7<sup>th</sup>

Very strong N or NE squalls all morning. Little or snow fell apparently.



after 3<sup>h</sup> but the drift consisted of lumps of the icy surface as well as the finer particles. at 8<sup>h</sup> it was noticed that the north window in top flat of tower was broken, probably by one of the pieces of hard snow. The tower screen was in use till 7<sup>h</sup> a correction of + 0.1 was applied to its readings, that being the average difference between it and the Stevenson Screen for a few hours before and after.

about 6<sup>h</sup> it was noticed that the pumping of the Barometer exceeded 0.200 inch.

Towards evening the fog got thinner & sky was cloudless. Solar Corona at 20<sup>h</sup> and 22<sup>h</sup>

January 8<sup>e</sup>

Thermometer Base shifted at 0<sup>h</sup> 20<sup>m</sup>  
 Dy 535541 : Wet 535542 and Min 138545 put out.  
 Height above snow not altered.

Sky cloudless all day but haze & low Stratus seen at times at Western horizon. Fog lay on Loch Socky at 4<sup>h</sup> and in valleys to Eastward from 8<sup>h</sup> to 13<sup>h</sup> after that no fog below except a little on Mtn of Rannoch about 20<sup>h</sup>.

January 10<sup>e</sup>

Solar Halo seen at 3<sup>h</sup>  
 When top was clear it was noticed that thick haze filled the valleys & extended above the hills all round restricting the visibility.



January 12<sup>d</sup>

as long as the top remained clear thick haze was seen in the valleys: the fog that came on formed on the summit, it did not rise from a lower cloud layer. after 12<sup>h</sup> the tower screen was used as the high wind made it dangerous to go to the Stevenson. a correction of  $-0.2$  was applied to the Tower screen readings, that being the difference of the two in forenoon.

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January 13<sup>d</sup>

The high wind made it necessary to use the tower screen except from 9<sup>h</sup> to 13<sup>h</sup> when duplicate readings were taken, and after 21<sup>h</sup> when the wind moderated. a correction of  $-0.4$  was applied to the Tower screen readings, that being the mean difference when double readings were got in the forenoon & at night - a little snow fell in the forenoon, but no gauges were out.

During the night between 12<sup>d</sup> & 13<sup>d</sup> the temperature in Kitchen 6 feet from stove went down to  $32^{\circ}0$  and in the cooks bedroom off kitchen to  $22.5$ .

January 14<sup>d</sup>

No barometers were out today owing to the high wind and drift. Very thick fog all afternoon forming massive fog-crystals everywhere.

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1895.

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January 15<sup>e</sup>

After the summit cleared at 8<sup>h</sup> fog lay on the hills round for a few hours but gradually broke up & dispersed in the middle of the day, gathering again towards evening - It was thickest on the hills to Eastward -

Thermometer Box shifted at 11<sup>h</sup> 15<sup>m</sup>. D<sub>y</sub> 192677: Wet 192672 and Min 138533 put out. Height above snow not altered -

January 16<sup>e</sup>

Up to 4<sup>h</sup> to top was clear and fog lay on the hills to E and SE but elsewhere it was clear and there was no low lying fog -

January 17<sup>e</sup>

at 5<sup>h</sup> 7<sup>h</sup> 8<sup>h</sup> and from 11<sup>h</sup> to 14<sup>h</sup> the fog sank below summit but hid all the hills round - The sky was partly covered with cirro-stratus: at 5<sup>h</sup> a Sunar Halo was seen and at 11<sup>h</sup> 12<sup>h</sup> & 13<sup>h</sup> a Solar Halo. The snow that fell in morning was very light & soft -

Thermometer Box shifted at 8<sup>h</sup> 15<sup>m</sup>. D<sub>y</sub> 535541 Wet 535542 and Min 138545 put out. Height above snow not altered -

January 19<sup>e</sup>

The top was mostly clear from 4<sup>h</sup> to 17<sup>h</sup> and though fog was on the hill tops round, it was in broken cumulus like masses -



1895

41

Thermometer Box shifted at 4<sup>h</sup> 25<sup>m</sup> Dry

192677 : Wet 192672 and Min 138533 put out.  
Height above snow not altered. The 16<sup>h</sup> observation was taken 4 minutes late.

January 22<sup>d</sup>

at 4<sup>h</sup> the rain gauge was found lying over on one side & full of drift. Thermometer Box shifted at 9<sup>h</sup> 15<sup>m</sup> Dry 535541 : Wet 535542 and Min 138545 put out. Height above snow not altered.

January 23<sup>d</sup>

When the top cleared today it did so by the fog lifting and forming clouds above, there was then ~~no~~ fog below among the hills round.

January 24<sup>d</sup>

at 17<sup>h</sup> the rain gauge was found undercut & lying on one side. No gauge was put out the rest of the day as there was great drift. About 6 inches was cleared off the hill top in the course of the evening. At 19<sup>h</sup> and 20<sup>h</sup> the Tower Suen was used - a correction of - 0.9 was applied to its readings.

January 25<sup>d</sup>

at 2<sup>h</sup> the rain gauge was put out, but it was not put out from 4<sup>h</sup> to 7<sup>h</sup> and all the forenoon readings are doubtful owing to drift. at 14<sup>h</sup> the top was clear except for passing fog but sky overcast and no fog below.



1895

January 26<sup>th</sup>

42

at 10<sup>h</sup> a Solar Fog-bm and some double Glories were seen. Thermometer Box shifted at 11<sup>h</sup> 10<sup>m</sup>.

Dry 192677 : Wet 192672 and Min 138533 put out. Height above snow not altered.

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January 28

Up to 6<sup>h</sup> the sky was clear but fog lying over the top: from 8<sup>h</sup> to 13<sup>h</sup> there was fog on Socheil and Soch Sochy, this was the only fog below. After 9<sup>h</sup> the sky was covered with cirro-stratus which gradually sank down, by 17<sup>h</sup> it was touching the hill tops to WSW and after 19<sup>h</sup> was continuous on Ben Nens. Faint Solar Halo at 12<sup>h</sup>. Thermometer Box shifted at 7<sup>h</sup> 10<sup>m</sup> D 535541 Wet 535542 and Min 138545 put out. Height above snow not altered.

Today an extension of the porch at door was built.

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January 29.

Thermometer Box shifted at 13<sup>h</sup> 10<sup>m</sup>. Dry 192677 : Wet 192672 and Min 138533 put out. Height above snow not altered.

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January 31<sup>st</sup>

No low fog in early morning but from 7<sup>h</sup> to 11<sup>h</sup> fog lay over Soch Sochy & sometimes on Socheil.



1895

43

Loose cum fog was on the hill tops most of the day, but no continuous sheets of fog -

Thermometer Box shifted at 7<sup>h</sup> 15<sup>m</sup> Dry 535541  
Wet 535542 and Min 138545 put out. Height above  
snow not altered -

No strangers climbed Ben Nevis in January -

February 1<sup>st</sup> at any time when the top was clear  
today there was always fog on the hills round and  
passing across summit -

February 4<sup>th</sup> Thermometer Box shifted at 0<sup>h</sup> 20<sup>m</sup>  
Dry 192677 = Wet 192672 and Min 138533 put out.  
Height above snow not altered - The fog cleared  
off after 1<sup>h</sup> and from 2<sup>h</sup> to 6<sup>h</sup> the air was very  
dry and only detached masses of cum fog on the  
hills - after that there was either fog on summit  
or on hills round, or low sand clouds just clear  
of the hills - There was no low-lying fog all  
the day -

February 5<sup>th</sup> at 6<sup>h</sup> an Aurora, single arch with  
streamers was seen - It could not be very well  
made out owing to the passing fog on summit -  
The summit was never quite free of fog all day -



1895

44

February 6<sup>th</sup>

Though the sky was almost cloudless from 5<sup>h</sup> to 11<sup>h</sup> there was always fog blowing over the hill top - at 11<sup>h</sup> thick fog lay on the hills to E<sup>l</sup> and S 12<sup>h</sup> it covered Ben Nevis also, the wind at the same time shifting from light N<sup>e</sup> to strong ESE. Raining much out in afternoon owing to drift.

Thermometer Box shifted at 11<sup>h</sup> 10<sup>m</sup> Dry 535541 Wet 535542 and Min 138545 put out. Height above snow not altered - When removing the old set from the Box after thawing it, it was found that Min 138533 was broken, time or cause unknown.

February 8<sup>th</sup>

after the fog cleared off at 3<sup>h</sup> the air was very hazy all round & continued so all day - from 14<sup>h</sup> onwards the sky was overcast or nearly so with cirrus and cir-strat and at 14<sup>h</sup> 22<sup>h</sup> and Midnight a faint Lunar Halo was seen. No fog below all day - Sun set at 17<sup>h</sup> 12<sup>m</sup> Thermometer Box shifted at 3<sup>h</sup> 15<sup>m</sup> Dry 192677 & Wet 192672 put out. Height above snow not altered - No rain was put out till 20<sup>h</sup> when 138545 was put out.

February 9<sup>th</sup>

Fog all round below in early morning and passing Summit at times. A little Cirrus on sky till 10<sup>h</sup> then cloudless during rest of day, but thick haze below.

Aurora seen at night.

Messrs A. Rawlin and R. McQuigall arrived today and R.T. Dmond and Wm Stewart left.



1895

February 10<sup>th</sup>

45

Air very dry all day. Cloudless till 11 Hrs.; and some cirrus on sky during the rest of the day.  
Lunar Halo seen at 20 and 21 Hrs.

February 11

Sky almost cloudless all day. and no fog below in morning: but some on hills to E., NE and SE in evening.

Zodiacal light seen at 20 Hrs.

February 12

Almost cloudless all day: but fog below in morning. and again at night.

Zodiacal light seen at 20 & 21 Hrs. and a Lunar Halo at 23 Hrs and midt.

February 13<sup>th</sup>

Fog came on 8 Hrs. and a little snow fell till 16<sup>th</sup>. Summit cleared again after 20 H.

Zodiacal light seen at 21 H.: A Lunar Halo at 1<sup>st</sup> and the aurora at midt.

February 14<sup>th</sup>

Fog came on at 7 H and remained for rest of day.  
Strong SEly Winds today

February 15<sup>th</sup>

Fog on summit or passing all day but sky above cloudless.

At 20 H. a bright auroral bow was seen in sky stretching across from Horizon to Horizon (W-E) through Zenith. Aurora ran lower down at 2<sup>nd</sup>, 23<sup>rd</sup> and midt. at midnight the streamers were very bright and active.

February 16<sup>th</sup>

The aurora continued visible till 5 H. being bright till 3 H but faint thereafter. It was seen again at and after 20 H.



1895

Sky cloudless except for a little sand passing 46  
at noon. Air very dry at night

Mr James Miller left trail down the hill today and  
T. S. Kay arrived here.

February 17<sup>th</sup>

Not a particle of cloud seen today either  
above or below summit.

Aurora seen till 5<sup>th</sup> and at and after 20<sup>th</sup>.  
at the latter hour the zodiacal light was seen.  
Air exceedingly dry today humidity being below  
20% at 1<sup>st</sup> and 3<sup>rd</sup> and from 15<sup>th</sup> till midt.

February 18<sup>th</sup>

The southeasterly wind that has been blowing  
since the morning of 13<sup>th</sup> died out this afternoon.

Aurora seen in morning and again at night  
and the zodiacal light at 20<sup>th</sup>.

Air very dry again today. the maximum humidity  
being only 28%. Today the temperature rose to the  
freezing point for the first time since 25 Dec<sup>r</sup>.

February 19<sup>th</sup>

Cloudless and air very dry all day.  
Aurora seen in morning and at night, with the  
zodiacal light at 20<sup>th</sup>.

February 20<sup>th</sup>

Cloudless and air very dry till 11<sup>th</sup> A.M. Fog for  
the rest of the ~~day~~ day.

Aurora seen at 1<sup>st</sup> and 2<sup>nd</sup>.

February 21<sup>st</sup>

Fog most of the day: Clear intervals between  
9<sup>th</sup> and 15<sup>th</sup>.



1895

February 24<sup>th</sup>

47

Heavy fall of snow in morning. The first day with over one inch of rainfall since 24<sup>th</sup> January.

February 25<sup>th</sup>

Mist from 4<sup>th</sup> till 11<sup>th</sup> temperature ranging from 16° 6 to 18° 4.

Clearing in afternoon showing sky almost cloudless but mist on hills around and passing across Summit at times

Aurora seen at 1<sup>st</sup>

Thermometer box changed at 14<sup>th</sup> 15<sup>th</sup>. Cry 638541 Net 538542 put out. height above snow not altered.

February 26<sup>th</sup>

Mist and drizzle this morning with the temperature between 26° and 28°

Clearing in afternoon. - fog on hills and sky cloudy.

February 27<sup>th</sup>

Fog all forenoon: Sky cloudy all afternoon or fog passing. Temperature rose 6° 1 between 21<sup>st</sup> and 23<sup>rd</sup>.

February 28<sup>th</sup>

Mist at times in early morning. Heavy fall of snow in afternoon. Lightning seen at 23<sup>rd</sup>

No Strangers Climbed Ben Nevis in February

March 1<sup>st</sup>

Fog almost all day. Temperature fell quickly all afternoon.



1895

48

March 2<sup>nd</sup>

Thermometer Box shifted at 20<sup>h</sup> 15<sup>m</sup>. Dry 192677 and wet 192672 were put out. Box put one step up on ladder stand (the top step)

Fog on summit or passing tree 18<sup>h</sup>. Clear thereafter but sky cloudy.

March 3<sup>rd</sup>

Fog in morning. Mist at and after 9<sup>h</sup>. with drizzling rain or snow. Temperature below 30°. Wind backed gradually today from N in morning to SSW at midnight

March 6<sup>th</sup>

Mist most of the day: temperature below 30°.

March 7<sup>th</sup>

Fog or mist on top with clear intervals till 5<sup>h</sup>. Fog below all round: but top clear and sky cloudy till 9<sup>h</sup>. Cloudy sky with fog passing over hill-top during the rest of the day.

Lunar fogbow seen at 3<sup>h</sup>.

Wind backed from N. in morning to SE by 15<sup>h</sup> and blew force 4 or 5 from that direction for the rest of the evening.

Thermometer box shifted at 7<sup>h</sup> 15<sup>m</sup>. Height not altered. Dry 535541 and Wet 535542 put out.

March 8<sup>th</sup>

Thick fog, depositing brown fog crystals all day. Wind ESE or SE force varying from 3. to 6. and temperature very steady between 22° and 24°.

The minimum thermometer 138545 was not out today till 22<sup>h</sup>. its exposure being overlooked last night.



1895-

March 9<sup>th</sup>

49

Clear at times in afternoon. Fog and haze all round below.

Thermometer box shifted at 17<sup>h</sup> 10<sup>m</sup>. Dry 192677 and Wet 192672 were put out. Height not altered.

March 10<sup>th</sup>

Clear most of forenoon. Fog and slight snow in evening. Fog on hills around when top was clear

March 11<sup>th</sup>

Fog most of the day - clearing at night. Lunar Eclipse this morning: but - owing to the fog it could not be observed - nothing noted but the darkness caused ~~stirring~~ stirring.

~~Delicate~~ hexagonal snow crystals falling at 23<sup>h</sup> and mid<sup>l</sup>. Temp. 18 to 19.

Box shifted after 20<sup>h</sup>. Dry 535541 and Wet 535542 put out - height not altered.

March 12<sup>th</sup>

Fog almost all day. Slight snow in afternoon. A mouse was caught alive in Kitchen today.

March 13<sup>th</sup>

Clearing for a few hours in evening. Pretty heavy snow falling after 21<sup>h</sup>.

March 14<sup>th</sup>

Fog changed to mist after 7<sup>h</sup> but temp did not reach 32° till 20<sup>h</sup>. Crisp. rain and sleet - at night



1895

March 15<sup>th</sup>

50

Summit clear at 6<sup>h</sup> and 7<sup>h</sup>. Mist during the rest of the day: and heavy rain all evening: the temperature being above 32° at and after 10<sup>h</sup>.

Thermometer box shifted at 7<sup>h</sup>. Dry 192677 Wet 19267 put out. Height not altered.

Solar Halo seen at 7<sup>h</sup> 15<sup>m</sup>

March 16<sup>th</sup>

Mist and slight drizzling rain: Ice forming on surfaces in early morn and at night.

March 17<sup>th</sup>

Mist with ice forming from drizzle till 8<sup>h</sup>. Fog till 19<sup>h</sup>. Clear thereafter.

Aurora seen at 21<sup>h</sup>: and Zodiacal Light at 22<sup>h</sup>.

Thermometer Box shifted at 20<sup>h</sup> 15<sup>m</sup>. Dry 535541 Wet bulb 535542 put out: height not altered.

Two strangers visited the Observatory today

March 18<sup>th</sup>

Heavy snow falling from 7<sup>h</sup> onwards. At 20<sup>h</sup> it was noted that the ~~snow~~ snow falling was in the form of small round white particles.

The mouse noted on 12<sup>th</sup> was kept alive and fed in a box. Today it was found dead in its box:

March 22<sup>nd</sup>

Summit clear from 9<sup>h</sup> till 12<sup>h</sup>: Fog all round below.

Thermometer box shifted at 11<sup>h</sup> 15<sup>m</sup>. Dry 192677 Wet 192672 put out. Height not altered.

[Ptarmigan and snow-bunting seen at Chrysolite Well at 17<sup>h</sup>.



1895 March 23<sup>rd</sup>

51

Mist and rain all day. The wind caused a good deal of surface drift: and at some hours there was some snow among the rain in rain gauge. This was probably drift: that may have been hail.

March 24<sup>th</sup>

At 2", 3", and 4" the gauge was nearly full of surface drift, and the values were not taken as correct. Entries on sheets for these hours are interpolations.

Temperature fell quickly after 3". and at 6" the rain changed to snow.

March 25<sup>th</sup>

In early morning several clicks were heard on telegraph instrument. Caused by earth currents. Lightning was seen at 4".

March 26<sup>th</sup>

Snow hail falling at 19". At 23" the snow fell in small notes, needles, and aggregations of these.

March 27<sup>th</sup>

Summit clear from 5" till 9" and at times in afternoon.

Thermometer Box shifted at 5". 10<sup>th</sup> Dry 535541 and Wet 535542 were put out: Height not altered.

March 28<sup>th</sup>

Very stormy after 11". Tower Box used at night: Comparison readings with Stevenson screen showed no difference except that due to "instrumental correction".

The gale blew open the thermometer box after 15" and hinges got broken so that it could not be closed. Fresh Box put out with Dry 192677 and Wet 192672 at 16".



Owing to the heavy drift and high wind the 52  
gauge was not out after 10<sup>th</sup>.

Observer blown down several times at every  
observation in evening.

March 29<sup>th</sup>

Tower screen continued in use till 2<sup>nd</sup>. At  
3<sup>rd</sup> readings in Stevenson were resumed.

March 31<sup>st</sup>

Snow falling at night in form of small  
motes like fine seed. Two tourists up today.

(4) Four strangers visited the Observatory in March

April 1<sup>st</sup>

Summit clear till 4<sup>th</sup>. Fog and snow till 17<sup>th</sup>. Clear  
again thereafter, at 22<sup>nd</sup> to mid. sky was almost  
cloudless and very clear. The "Old Moon" was seen  
with remarkable distinctness.

Thermometer Box shifted at 22<sup>nd</sup> 20<sup>th</sup>. Dry 535541  
and Wet 535542 put out: Height not altered.

April 2<sup>nd</sup>

Cloudless till 5<sup>th</sup>. Some cirrus till 13<sup>th</sup>. fog  
thereafter.

A raven was seen at stage at noon.

April 3<sup>rd</sup>

Quick fall in temperature in evening.

April 4<sup>th</sup>

Clear most of afternoon. Lunar Halo seen  
at and after 21<sup>st</sup>.

Dr Collic and two others ascended north side of  
Ben by Corrie at Plateau of Storms



1895-

April 5<sup>th</sup>

53

Summit clear till 5<sup>h</sup> - sky overcast at first with Cirro-stratus showing a Lunar Halo and afterwards with Cum-s.

At 5<sup>h</sup> a few pellets of snow and a few drops of rain were falling. Temp. 19.5.

Wind backed from N in morning to SSW and S. at night and at 23<sup>h</sup> and midl. was blowing force 3 to 5.

April 6<sup>th</sup>

Heavy drifting at 1<sup>h</sup> and 2<sup>h</sup>. At 2<sup>h</sup> the gauge was buried in snow; and none was changed till after 4<sup>h</sup> when the ~~old~~ buried one was found lying on its side full of snow. Values at 2<sup>h</sup>, 3<sup>h</sup>, + 4<sup>h</sup> are interpolations.

April 7<sup>th</sup>

Clear most of the day; and no fog below. but sky cloudy.

Green colour at W<sup>n</sup> Horizon at 20<sup>h</sup>. Stars very steady at night. Saturn's rings well seen in telescope.

Box shifted at 1<sup>h</sup> 15<sup>m</sup> Dry 192677 and Wet 192672 put out. Height not altered.

Three tourists ascended by way of Harrie and ridge to SE. of Ben. (Coll)

April 8<sup>th</sup> Clear till 9<sup>h</sup> - sky cloudy.

Snow and rain all afternoon. At 20<sup>h</sup> and 21<sup>h</sup> and 22<sup>h</sup> there was a good deal of surface drift and perhaps the rainfall entries at these hours are too high.



1895-

April 9<sup>th</sup> Slight showers of snow and hail during the 54  
day: Heavy rain with strong squally S.W. wind  
and temperature above the freezing point at-  
night.

April 10<sup>th</sup>

Very heavy rain in early morning: as there was  
a good deal of surface drift. Perhaps some  
was getting into the rain gauge.

Temperature falling in forenoon: sleet, snow and  
hail in afternoon.

April 11<sup>th</sup>

Clearing at times in afternoon.

A large fly (blue bottle) in office at night  
Small needle shaped snow crystals falling at-  
midnight - temp. 22° 0.

April 12<sup>th</sup>

Slight showers of snow in forenoon.

(17 people visited the Observatory today. 9 of whom  
were members of the Scottish Mountaineering Club.)

April 13<sup>th</sup>

Cloudless, but fog below from 3<sup>h</sup> till 7<sup>h</sup>. Clear  
again at and after 18<sup>h</sup> showing thick haze all  
round below. Box shifted at 3<sup>h</sup> 20<sup>m</sup> Cry 5-35541 and wet-535542  
but out-height not altered

Aurora seen at and after 22<sup>h</sup>  
at 18<sup>h</sup> just before the haze came on the Outer  
Hebrides could be seen very distinctly

(20 people visited observatory today mostly S.M.C. men)

April 14<sup>th</sup>

Almost cloudless and air dry all day  
Aurora seen at 1<sup>h</sup> 2<sup>h</sup> and 3<sup>h</sup>.



1895

Some haze all round most of the day: and <sup>55</sup>  
till 10<sup>h</sup> there was low lying fog on Moor of Kinnich  
and in valleys to E<sup>?</sup> No fog below after that.  
Sun rose at 5<sup>h</sup> 14<sup>m</sup>. Temp. above 40. for first time this year.  
(about 30 people up today)

April 15<sup>th</sup>

Cloudless almost all day.

Aurora seen at 2<sup>h</sup>.

No fog below today. but pretty hazy especially  
in evening.

A snow bunting was seen at 5<sup>h</sup> the first  
seen of summit this year. Throughout the  
day it was seen several times: and as many  
as 4 were seen at 13<sup>h</sup>. A Raven was seen  
at that hour also.

(about 20 people up today)

April 16<sup>th</sup>

Some cirrus in evening: otherwise cloudless all day.

Fog low in valleys to NE<sup>?</sup> till 9<sup>h</sup>. Aurora at night.

Air very clear all morning: At 5<sup>h</sup> some very distant  
hills seen to SE<sup>?</sup> were supposed to be the Pentlands.

Sunrise at 5<sup>h</sup> 7<sup>m</sup> - behind Ben Mhuirich.

Snow-bunting seen at 11<sup>h</sup>.

(about 12 people climbed the hill today including  
Messrs R.C. Mossman and J. Miller)

(Today and during the last few days heather  
burning has been going on in all directions)

April 17<sup>th</sup>

Aurora seen till 3<sup>h</sup>.

Cloudless till 6<sup>h</sup>. Gradually increasing cloudiness  
during rest of day. Overcast with cum-s at night.



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Fog low to SE and NE in forenoon, no fog 56  
in evening. but thick haze all round.  
Solar Halo seen at 17<sup>th</sup>

April 18<sup>th</sup>

Summit clear but sky cloudy or overcast.  
all day. and thick haze all round, above  
as well as below the summit.

Snow-bunting seen at 15<sup>th</sup>

April 19<sup>th</sup>

Clouds gradually lowering and thickening  
till at 5<sup>th</sup> they were just touching summit, and  
a shower of snow fell then. Mist during  
the rest of the day, except at and after 22<sup>th</sup>.

April 20<sup>th</sup>

Clearing for a few hours in afternoon.  
sky cloudy but no fog below.  
Strong South easterly wind at night, which  
caused so much drift at midnight that  
it was impossible to tell whether rain was  
falling or not.

April 21<sup>st</sup>

The high wind and surface drift  
continued till 2<sup>th</sup>.

Showers of rain during the day.  
The snow has thawed considerably last night  
and today.

The rainfall entry at 2<sup>th</sup> today is an inter-  
polation, owing to the gauge being rendered use-  
less by high wind and drift.



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April 23<sup>rd</sup>

Strong currents on telegraph wire at 17<sup>th</sup> 15<sup>m</sup> and 18<sup>th</sup> 16<sup>m</sup> 57  
St. Elmos Fire was heard at 17<sup>th</sup> - hail falling at the time.

April 24<sup>th</sup>

St Elmos Fire heard at 17<sup>th</sup> snow and hail falling at the time.

April 25<sup>th</sup>

St Elmos Fire seen at 1<sup>st</sup> and hissing strongly on all points and on observer. Soft flaky snow falling at the time.

April 26<sup>th</sup>

Very squally Northerly winds today - strongest about middle of day. Snow was falling and the range was shifted every hour, but the amounts are doubtful in consequence of high wind.

April 27<sup>th</sup>

Summit cleared after 8<sup>th</sup> and remained clear except for passing fog now and again during the rest of the day. Fog hanging about hills all day.

Thermometer box shifted at 9<sup>th</sup> (by 192677) and No. 192672 were put out. Height not altered.

A pair of snow-birds were seen at ladder stand at 17<sup>th</sup>.

April 28<sup>th</sup>

Fog below all morning, rising in evening and covering summit. Air dry after 16<sup>th</sup> hrs

April 29<sup>th</sup>

Thermometer Box lowered one step on ladder stand at 4<sup>th</sup> hrs today.

April 30<sup>th</sup> wind rising to a gale from S.E. at night.

About 100 people ascended Ben Nevis during April



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May 1<sup>st</sup>

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Rather squally winds in early morning. At 1<sup>st</sup> the gauge was not changed, and amount. entered is an interpolation.

Clearing at times in afternoon showing "passing showers" all around.

St Elmo's Fire was seen on Chimney at 2<sup>nd</sup>.

May 2<sup>nd</sup>

Summit cleared after 19<sup>th</sup> and fog disappeared but sky was covered with Cir-stratus on which a Lunar Halo was seen at 22<sup>nd</sup> and 23<sup>rd</sup>. At 24<sup>th</sup> the Cir-s had thickened and lowered and showed no Halo.

May 3<sup>rd</sup>

Sky nearly covered with cir-s all day, but Summit clear and no fog below. Lunar Halos were seen in early morning and at night: and Solar Halos during the day.

Thick haze at night: the thickness being first observed to N, E, and SE

May 4<sup>th</sup>

Thick haze all around, today: but no fog on Summit or below it. Cir-s ~~are~~ ~~on~~ ~~the~~ almost covering sky most of day on which a solar halo was seen at 7<sup>th</sup> and from 10<sup>th</sup> till 16<sup>th</sup>.

May 5<sup>th</sup>

Sky nearly cloudless most of the day. Thick haze below. At night the haze began to rise in sheets and streaks into sky.



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May 7th

Sky quite cloudless and no fog before all day. Air dry and very clear. The maximum visibility being noted for several hours in forenoon.

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May 8th

Air very clear in forenoon: somewhat haze in afternoon. Mist at and after 21<sup>st</sup>

May 9th

Mist: or sky overcast with 'lower' clouds today.

Strong click on telegraph instrument at 2<sup>nd</sup> <sup>pm</sup>.  
Thunder and lightning at 15<sup>th</sup> 53m. and several peals of thunder heard during the following hours.  
The 17<sup>th</sup> observation was made at 17<sup>th</sup> 4<sup>th</sup>

May 10th

Summit clear almost all day. Sky somewhat cloudy.

Solar Halo seen at 17<sup>th</sup> & 18<sup>th</sup>

A pair of snow-bunting were seen at 19<sup>th</sup>

The 16<sup>th</sup> observation was made 9<sup>th</sup> late (16<sup>th</sup> 9<sup>th</sup>)

Today Mr. W. S. Bruce arrived at this observatory and Mr R McDougall went down to L. L. O. Fly (yellow striped) seen on Summit

May 11th

Sky slightly cloudy and thick haze before but air dry all day.

Lunar Halo seen at 2<sup>nd</sup>

Snow-bunting seen on roof at 4<sup>th</sup>

Mr Bruce collected 7 or 8 different species of flies from surface of snow today.

Therm: Box let down one step at 5<sup>th</sup>



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11.

May 12<sup>th</sup>

60

Cloudy or Overcast till 17<sup>th</sup>. Mist and showers of rain thereafter.

The snow has all thawed from foot of ladder stand; and the thermometers are now above rock - not snow.

None but no fog below when summit clear.

May 13<sup>th</sup>

Summit mostly clear but sky cloudy and fog hanging about hill & passing at times.

Several kinds of flies and beetles caught on snow today.

May 14<sup>th</sup>

Fog all round below at 1<sup>st</sup> and 2<sup>nd</sup> and on summit during rest of day.

Heavy rain at and after 6<sup>th</sup>.

Decided fall in temperature in evening.

After 3<sup>rd</sup> today Dry bulb 535541 and Wet bulb 535542 with ~~Max 117293~~ and ~~Min 116918~~ were put out in the Summer Large Stevenson Screen. Duplicate readings of the thermometers in both boxes were made hourly during rest of day.

May 15<sup>th</sup>

Readings from instruments in ladder stand discontinued today. Entries in daily sheet are from readings of instruments in large screen. Max 117293 & Min 116819 were put out at 3<sup>rd</sup> and Black Bulb with bracket was removed from ladder to post to S.E. of large box. Temperature low all day.



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May 16<sup>th</sup>

Temperature very low today. mean for <sup>61</sup> day being 24.4. Summit clear most of the day. ~~and~~ sky cloudy and some haze all round below.

May 17<sup>th</sup>

Summit clear most of the day. but sky cloudy, and fog below in morning and at night.

Temperature low. Sudden fall in barometer after 4<sup>h</sup> today followed by a quick rise before 6<sup>h</sup> and accompanied by heavy squalls from NNE.

May 18<sup>th</sup>

Sky almost cloudless all forenoon but cloudy in evening: and fog on summit at night.

[Two ponies up with visitors today. The highest bridge on the road having been broken by weight of snow in gully and not yet mended, the ponies were led across the gully on the snow.]

May 19<sup>th</sup>

Summit clear at 1<sup>h</sup> and 2<sup>h</sup>. Mist or fog. with squally N winds, low temperature and showers of snow during the rest of the day.

The rain gauge was not shifted at 13<sup>h</sup> and the amount found in it at 14<sup>h</sup> has been equally divided between 13<sup>h</sup> and 14<sup>h</sup> in entries in daily sheet.

May 20<sup>th</sup>

Mist or fog all day: Showers of snow in morning  
Temperature rising a little today



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May 21<sup>st</sup>

Large temperature range today. being 62 low in morn; and at night (about 32) and high (46°) in middle of day.

Mist in morning and at night. Cumulus clouds during the day. During the time the sky was clear low lying fog was seen clinging to hill-tops to NE<sup>s</sup> of Loch Lochy. No fog anywhere else.

May 22<sup>nd</sup>

Mist till 19<sup>th</sup> with rain in evening. Clearing thereafter but haze below and sky cloudy. (23<sup>rd</sup> observation was made at 23<sup>rd</sup> 13<sup>th</sup>.)  
[During the last 10 days Mr. Bruce has been collecting flies and beetles almost daily. Yesterday and today the surface of the snow was distinctly blackened by the number lying on it. Today there were mostly dead flies]

May 23<sup>rd</sup>

Summit clear most of the day.  
St Elmo's Fire on Observers hair at 13<sup>th</sup> Hrs.  
Thunder and lightning from 13<sup>th</sup> till 17<sup>th</sup>.  
At 13<sup>th</sup> 17<sup>th</sup> there was a bright flash of lightning and at same time flashes came off both stones in office and kitchen. — immediately followed by a loud peal of thunder.  
At 23<sup>rd</sup> a light was seen to N<sup>th</sup> which was probably auroral.

[Observatory Horse up for first time this year today]



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May 24<sup>th</sup>

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Thick haze all around today: and low-lying fog in N<sup>m</sup> & NE valleys in morning.

Thunder in afternoon 13<sup>th</sup> to 15<sup>th</sup> and thunder clouds seen all around.

Bright flash of lightning at 14<sup>th</sup> 43<sup>m</sup>  
at 13<sup>th</sup> 20<sup>m</sup> a strong earth current shortcircuited the telegraph instrument.

May 25<sup>th</sup>

Thunder heard and thunder clouds seen all around from 11<sup>th</sup> till 14<sup>th</sup>.

Mist in early morning and in evening with heavy thunder showers at times.

(Two members of Scot. Mount. Club, climbed the N.E. ridge today arriving at summit at 70 pm)

May 29<sup>th</sup>

Mist all morning. Summit clear all afternoon and sky clearing at night: and no fog below.

May 30<sup>th</sup>

Thick haze all around today.

Temperature very high being above 50° from 11<sup>th</sup> to 20<sup>th</sup>.

May 31<sup>st</sup>

Sky cloudy and thick haze below: Fog rising in forenoon, and passing over summit about midday. falling again later in evening.

[130 visitors ascended the Ben during May]



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June 1<sup>st</sup>

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Clearing in evening. showing cloudy sky above  
and haze all round below

June 2<sup>nd</sup>

Summit clear, and temperature high all day,  
and sky cloudless after 19<sup>th</sup>

The new cups and arms of Robinson Anemometer  
were brought up yesterday and put on the  
instrument today. Readings were taken all  
afternoon

Bees were seen passing summit, and a  
pair of snow buntings seen about 10<sup>th</sup> today  
Clouds were noted at 23" to N<sup>o</sup> and taken  
as doubtful Pearly Cirrus.

June 3<sup>rd</sup>

almost cloudless all morning. but fog  
rising and forming heavy clouds in early  
afternoon. Fog on summit at night.

Temperature high all day.

[The Hotel on Summit was opened today]

June 4<sup>th</sup>

Fog or mist with drizzling rain at times.

June 5<sup>th</sup>

Temperature rising all morning. High all  
evening.

Summit clear and air dry and very  
clear all day.

[A set of Photographs were taken on summit  
today by a man from G.W. Wilson Aberdeen]



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June 6<sup>th</sup>

Sky almost- cloudless all day. and air 65  
clear and warm the mean temp, for the  
day being 52.4

June 7<sup>th</sup>

Low lying fog on Atlantic all morning  
but fog nowhere else: and sky cloudless.  
Fog forming in afternoon, and passing  
summit at night. Fog low & heavy seen at 19<sup>th</sup>.  
[a tank to hold 150 gallons of water  
was fitted up at Drappes Well today].

June 8<sup>th</sup>

Mist till 9<sup>th</sup> Clear but cum-f below  
during rest of day.  
Temperature lower today: mean 42.2

June 9<sup>th</sup>

Mist all day: Drizzling rain at  
night.  
Temperature falling decidedly today.

June 10<sup>th</sup>

Temperature falling quickly till 6<sup>th</sup> when  
it was 31° 3. Remained low all day.  
Slight showers of snow at night.

June 11<sup>th</sup>

Mist or fog with showers of snow  
and temperature below 32° all day.  
Mr. R. McQuill came up to Observatory  
to-day aneroid tied at 18 Hrs.



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June 12<sup>th</sup>

Temperature very low today  $25^{\circ}$  to  $32^{\circ}$ . 66

Fog mostly all forenoon: Cloudy in afternoon but air very clear all around.

Anemometer remained tied all day.

Both yesterday and today the Summit has been white with freshly fallen snow.

Two ravens hovering high above observatory & calling loudly.

16 hours observation 4 min late

June 13<sup>th</sup>

Freezing on summit all day with showers of snow. Third lowest temperature for June recorded today, viz  $23.9^{\circ}$  F. Foggy or cloudy after early morning. Light NW & WNE winds & calms. Anemometer tied up all day.

Footprints of a hare seen round observatory & traced for 300 or 400 yds southward.

June 14<sup>th</sup>

Another cold day with a maximum of only  $35.3^{\circ}$ . Cloudy & dry most of the day with snow showers in early morning & afternoon. Very clear. Light N winds & calm. Anemometer tied all day. At 23 hrs. a single detached piece of fog was lying over the hill at <sup>top</sup> end of L. Lochy - this has occurred frequently lately.

Sir Archibald Leikie arrived at 6.30 <sup>pm</sup> to pass the night. Mr. A. Rankin descended the hill.

June 15<sup>th</sup>

Slightly warmer today with bright sunshine. Maximum reached 40 for first time since 9<sup>th</sup> inst. Very clear & dry. After 3 am. to 4.15 am. glories & a brilliant solar corona were seen. One of the glories had three series of rings. Anemometer untied at



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10 am., but labouring heavily & oiled at 7 pm.

Sir Archibald Geikie descended the hill at 10.30 am. accompanied as far as the lake by one of the observers.

Mr Shearer (of Stirling) descended the hill at about noon after having spent several days sketching a panoramic view from the observatory roof & tower.

June 16<sup>th</sup>

Rather colder today with fog, mist or cloud after earlier morning. Glories seen at 4 am. & pearly coronas at midnight. Anemometer tied at midnight.

Snow-buntings recorded

June 17<sup>th</sup>

After a cloudy but clear morning mist came on in the afternoon & snow began to fall at 3 pm. Falling lightly at first it fell heavily at nightfall & thickly covered the ground at midnight. Anemometer untied from 2 pm. to 5 pm. only

A very white plumaged snow-bunting, they have been duller lately.

June 18<sup>th</sup>

After a heavy fall of snow last night, 5 inches covered the summit this morning; it has only slightly melted during the day. Three photographs of the wintry aspect were taken by an observer. 32.6° at 2 pm. was the only reading above freezing. Foggy & misty with slight snow-showers in afternoon & evening. The wind backed from S to N increasing at night.



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Anemometer tied all day. (Snow buntings?)  
tracks seen this morning.

June 19<sup>th</sup>

Another cold day with an eventful afternoon - the observatory having narrowly escaped being destroyed by fire. At 14 hrs 5m. a click was heard on the Telegraph Apparatus & again at 14 hrs 7min., 12min., 25min., 32min., 47min. (double), & 49min. (double), heavy hail & then very heavy snow were falling, the two observers were dining at the hotel, & Mr Kay who was indisposed was sitting in the office & noted the earth currents. No thunder was heard or lightning seen till 14 hrs 57½ min., when the observer on duty was leaving the hotel. It was then that a great flash filled the hotel accompanied by a terrific crash. In the Observatory there was an even more vivid flash & more deafening report. The telegraph instrument emitted a cloud of smoke & also the stove & stove pipe. The office was suffocatingly filled with smoke. In the kitchen a large flour tin, a smaller box & a small picture in the vicinity of the lightning protector were hurled across the room. Parts of the telegraph instrument, the plates of the protectors, & in many places the wires were fused. The casement, which screws on & retains the bone button of



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the electric bell, in the visitors room was burst & with the button driven across the room.

After the barometer observation, the observer having forgotten the rain gauge returned for it & only then noticed smoke & flame issuing from behind the window between the kitchen & the office doors. Messrs. Miller & McDougall & two visitors on being summoned were almost immediately on the scene to assist & the fire was quickly overcome. Thanks to their energy! Observations were continued only slightly behind time. The visitors took down the 9 a.m. observations & reported on the fire at the L.L.O.

The damage by fire is very slight but the Telegraphic Plant is very seriously shattered. No instruments, or records were injured or destroyed. No person was hurt.

The aneroid recording bar. shows an upward kick. The wind from being N<sup>W</sup> became S<sup>W</sup>. St Elmo was very strong lasting till after 17 hrs. It occurred after the flash snow buntings at 9 a.m. Fresh snow 8-9 inches deep.

June 20<sup>th</sup>

Mr. Crompton (of P.O. Telegraphs Oban) & Mr. McIntyre (Fort William P.O.) inspected damage done to telegraphic plant. An observer took seven photographs of the damaged apparatus. Rainbow Reilly Corrug

4 Battery Cells & new Keys for telegraph instrument arrived today. After several hours attempt, the observers failed to restore communication.

Buntings seen & heard. First insects



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since cold period. Dust counter set working for 3 hourly observations. 8 hrs & Midnight- observations 3 minutes late. All the freshly fallen snow vanished from summit today.

June 23<sup>rd</sup>

Splendid weather. Insects fairly plentiful. Buntings seen & heard.

June 24<sup>th</sup>

Mr Grant (Oban) came up today & by 4.45 p.m. restored telegraphic communication temporarily.

June 25<sup>th</sup>

Mr Grant having fitted up new wires & having completed restoration descended the Ben about mid-day. The battery has been put into the office instead of the "dark-room", it being thought safer. The fusion of wires in the "dark-room" scorched the woodwork there. The new wires run along a conspicuous route, & are of more substantial character.

One of the copper fastenings of the conductor <sup>of the Ben</sup> outside the tower was partly fused <sup>by the fire</sup> the woodwork torn, also the solder on a joint of the kitchen chimney outside.

Solar Halos seen. T<sub>1</sub> to far West & WSW about midnight. Ran cable to earth.

June 26<sup>th</sup>

Very frequent flashes of lightning seen to the far WSW & W from



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midnight till 2.30 am. Earth currents indicated on the telegraph instrument at 3 pm. also at <sup>4 after</sup> 4.30 pm. At 4.55 pm. the wire was again connected to earth. T<sub>3</sub> from 5 pm. to 6.10 pm. Another earth current at 7.10 pm. Buntings noted.

June 27<sup>th</sup>

Mr. Crompton has supplied the following:—

Damage to Telegraph Plant by Lightning, Ben Nevis Observatory,  
June 19<sup>th</sup> 1895

The lightning protector badly fused, plates showing patch of fusion as large as 6.

All connecting wires within building rendered useless. The majority so heated as to melt insulation off, & in one or two cases the copper conductors were melted by discharge.

Instrument—The coils of the "Reales" Sounder fused & useless. The keys suffered worst, esp. left-pedal or "tapper". Back contact (platinum), brass extension holding



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same, & steel spring (platinum tipped) all fused together.

Pillar to wh. Zn leading wire from battery was connected fused markedly at base & front pt contacts of same (left) pedal consumed entirely.

Traces of fusion on rt. pedal, but trifling.

Line wire connected to left hand terminal of coil fused near terminal.

Interior of instrument blackened, etc.

Vacuum protector at Achintee, 7. W<sup>m</sup> <sup>P.O.</sup> plate protector fused slightly

June 28<sup>th</sup>

Mr C. J. R. Wilson who arrived yesterday afternoon assisted in observing today. Buntings noted

June 29<sup>th</sup>

Mr. Wilson descends the Ben. Having again taken several observations St Elmo's Fire at 5 pm. T at 15h 47m. Earth current at 16h. 22m. Rainbow 16h. 45m.

June 30<sup>th</sup>

Glories at 6am. Earth currents at 15h. 44m. & 16h. 2m.



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July 1<sup>st</sup>

Earth Current at 16 hrs. 45 m.  
Buntings recorded 14 hrs observation 2 1/2 m. late

July 2<sup>nd</sup>

Earth Currents + thunder from  
12 hrs. 50 min. + throughout afternoon  
until 16 hrs 19 min. Lightning also +  
St Elmo's fire. A flash emitted from  
the stove in the office. At 15 hrs.  
an observer who was out without  
a hat felt a strong switch of St  
Elmo's fire (or lightning) upon his head  
with slight thunder immediately following.  
A glory seen. Buntings recorded. 8 hrs obs.  
14 min late

July 3<sup>rd</sup>

Buntings recorded

July 4<sup>th</sup>

Ditto. glories at + after 8 pm.,  
one with probably 5 rings.

July 5<sup>th</sup>

Solar corona at 21 hrs. Buntings  
recorded

July 6<sup>th</sup>

Mr Miller assisted taking  
observations, during the absence of  
one of the observers glories at 5 am  
July 7<sup>th</sup>, + 8<sup>th</sup>, + 9<sup>th</sup>.

Uneventful



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July 10<sup>th</sup>

Some sleet. Winds very variable. Owing to great no. of winds from S to W dust counting observations have been very irregular in the past few days

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July 11<sup>th</sup>

At 16 hrs snow covered the summit & lay about 2 inches deep at 20 hrs. Robinson was tied up at 16 hrs. Dust Counter out of order at 16 hrs. No dust observations taken. Bunting recorded.

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July 12<sup>th</sup>

The fresh snow all melted. The summit cleared at times after noon. Robinson was tied till 14 hrs.

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July 13<sup>th</sup>

The summit was mostly clear in the morning, but was again enveloped in mist after noon. Glories were seen between 5 & 6 hrs. several 4 ringed one, possibly one five ringed one. Robinson was tied during the morning. The dust counter set up again but refused to work.



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July 14<sup>th</sup>

Mist all day. A raven was hovering over the summit at 15 hrs.

July 15<sup>th</sup>

Mist again

July 16<sup>th</sup>

The sky cleared in the early morning, but there was fog all round & below hiding all land from view. The wind rose at nightfall & became rather squally. Buntings were heard between 4 & 5 am.

July 17<sup>th</sup>

A comparatively sunny afternoon with low lying fog in valleys, but fog & mist again in the evening.

Mr. Sorley (retiring Hon. Secs.) accompanied by Mr. Wilson (Secs.) visited the observatory this afternoon

July 18<sup>th</sup>

The summit was clear in the afternoon & evening but fog was passing. There was low lying haze in the valleys & at times fog. Fog also rested on the hills. Buntings were recorded



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July 19<sup>th</sup>.

After 6 am. there was continuous mist. The fog began to gather at the N side of the E end of Loch Lochy at 4 am. This cleared away but it became more generally foggy at 6 am. after which the summit was enveloped

July 20<sup>th</sup>

The weather was clearer after 10 am. With the passing fog at 7.15 pm. A reflected solar corona reflected from the surface of Loch Eil was seen. Buntings recorded.

July 21<sup>st</sup>

St. Elmo's Fire was felt strongly at 1 + 2 pm. Thunder was heard at 12.32 pm. Buntings recorded.

Mr G. Ednie arrived in order to assist in the regular observations.

July 22<sup>nd</sup>

The early morning was clear, but dense fog lay below concealing all or nearly all land from view. Glories were seen at 5 am.

July 23<sup>rd</sup>.

The 8 am. observation was 2 minutes late. The summit cleared at 8 pm., but



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detached portions of fog lay upon the hills in all directions especially to the NE<sup>d</sup> & only very slightly to the S<sup>d</sup> where only a few portions were to be seen on the most distant hills. There was frost on the roof after 11 pm.

July 24<sup>th</sup>

The summit was clear except in the afternoon. In the morning there was some fog in the valleys to the N<sup>d</sup> & at L. Lochy. In the evening fog rested chiefly on Aonach Mòr & Aonach Beg.

July 25<sup>th</sup>

Low & dense cumulus clouds to NE<sup>d</sup>, N<sup>d</sup>, & NW<sup>d</sup>.

Two Mr. A. Rankin & two other members of the staff descended the Tower Ridge crossing the gap with two cameras. Several photos were taken from the vicinity of the cairn. <sup>Summit</sup> Buntings were seen about the

July 26<sup>th</sup>

Mr. John Alexander arrived after noon & at 4 pm. Mr. T. Kay went down the hill, Mr. Alexander taking over the duties of cook, etc.

July 27<sup>th</sup>

Fog & mist with a slight break



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at 3 p.m. A common field vole (*Microtus agrestis*) was seen today in the vicinity of the observatory.

July 28<sup>th</sup>

The vole was again seen today. Also 5 buntings together, some of which appeared to be young birds. After 6 a.m. fog & mist - again enveloped the summit - the early hours of the day having been more or less clear, although there was broken fog all round below.

July 29<sup>th</sup>

In the early morning as many as 10 or 12 buntings (i.e. snow-buntings), some of which were fledglings, were seen close to the building. After 6 a.m. fog & mist again enveloped the summit. Glories were seen at 6 a.m. & a reflected solar corona from the surface of Loch Linnehe at 8 p.m.

July 30<sup>th</sup>

Fog enveloped or passed the summit till 8 p.m. & there was fog all round below. At 8 p.m. however the fog began to break up & clear, & not only was



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the summit - but the surrounding country was fogless, the sky remaining overcast. Buntings were seen.

Mr A. D. Russell arrived to assist in taking observations, Mr G. Ednie having unfortunately had to retire on account of indisposition.

July 31<sup>st</sup>

Detached masses of fog rested among & upon the hills occasionally enveloping the summit. Buntings have been seen. The characteristic of July has been its cloudiness & coldness. &

Over 800 visitors reached the summit. Mr A. Rankin came up & Mr Robert Mc Dougall went down.

August 1<sup>st</sup>

The 16 hours observation was 3 minutes late. After 5 am fog & mist prevailed. 4 or 5 buntings were seen at 5 am.

August 2<sup>nd</sup>

The barometer temperature rose suddenly at 15 hrs. The 16 hrs. observ.



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was 6 min. late.

August - 3<sup>rd</sup> ← so also with the 4<sup>th</sup>

An uneventful foggy & misty day clearing slightly at times.

Aug. 5<sup>th</sup>

Until 8 pm. the top was clear almost all day. There was a thin fog all round below intermingled with thicker fog in the valleys, this lay chiefly over the near end of L. Eil & the Canal till 4 am., then it became more generally distributed in the valleys & also gathered among the hills. About a dozen buntings many of which were fledgelings were flying about at 4 & 6 am.

August 6<sup>th</sup>

Thunder was heard at 15h.55 m., 16h. 7m. & horribly at 16h. 40 m. There were earth currents on the telephone running between the Observatory & the Hotel

August 7<sup>th</sup>

After 9 pm. the fog cleared.



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A lunar corona was seen at 9.50pm  
August 8<sup>th</sup>

A glory was seen at 5am., &  
a fine lunar corona between 23h.  
& midnight. A fine rainless day  
with fog passing & all round. Snow  
Buntings were seen

August 9<sup>th</sup>

Some slight fog rested on  
the Glen Coe Hills & towards L. Laggan  
in the early morning. At 4am.  
more fog gathered in the valleys  
towards the NE & N, & at 6am. the  
fog became more generally distributed  
among the hills all round, enveloping  
the summit after 8am. for the day.

August 10<sup>th</sup>

Yesterday's fog & mist has  
continued today till 11am., then the  
summit remained more or less clear  
until 8pm. The wind was rising at  
midnight. The maximum thermometer  
has been tampered with by tourists



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has consequently not been recorded  
in the Daily Sheet

August 11<sup>th</sup>

At 8 am. the hand anemometer  
registered 61 miles an hour. There were  
earth currents on the cable & Thunder  
at 3.20. After this it looked threatening  
& from before 17 hrs till 17 hrs 45 min.  
St Elmo's Fire was felt & heard. Again  
it looked gloomy & threatening & at  
11 pm. the Tower Screen was put out.  
Buntings were seen.

August 12<sup>th</sup>

An uneventful misty day.  
Buntings have been seen.

August 13<sup>th</sup>

A rainbow was seen between  
4 & 5 pm. The common field vole  
was again seen; Also buntings.

August 14<sup>th</sup>

There have been earth currents  
on the cable at 1 pm. The end of  
a rainbow was seen towards the S E at  
5 pm. A glory at 7 pm. Also a solar corona



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At 5 am. eleven snow buntings were seen together sitting on the instrument boxes & black bulb thermometer.

### August 15<sup>th</sup>

Glories at 4, 10, 11 am. Halo at 10 am. Tourists tampered with the thermometer screen. Many buntings seen at 5 am.

### August 16<sup>th</sup>

Dust Counter has been set working again.

### August 17<sup>th</sup>

The fog cleared away in the middle of the day. There were rainbows at 3 & 5 pm.

### August 18<sup>th</sup>

There has been a thick low lying haze today & the day has been gloomy.

### August 19<sup>th</sup>

At 4.50 am. the Barograph was found standing having stopped after midnight. It was set going again at 4.55, but but too fast.



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August 20<sup>th</sup>

The Barometer-temperature has been unsteady. Bruntings were seen, & also the vole. The vole unfortunately was killed between 11 & 12 (noon).

August 21<sup>st</sup>

An uneventful, misty day.

August 22<sup>nd</sup>

At times the summit cleared showing broken fog all round below. Bruntings were heard singing at 5 am.

August 23<sup>rd</sup>

A fogbow & glory were seen at 8 am. & 9 am. The Barometer-temperature fell at 23 hrs.

A raven was heard at 6 pm. & many bruntings were seen at 5 am.

August 24<sup>th</sup>

A rainbow was seen at 11 am & slight snow & sleet showers fell. Robinson was tied up at 12 hrs 10 am. Many bruntings were seen at 6 am, 9 am, 11 am & 2, 6, & 7 pm.

August 25<sup>th</sup>

The ground was white with snow



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this morning. At 23 hrs Robinson was let loose.

Buntings were seen at noon, 2 + 5 pm.

August 26<sup>th</sup>

Some wood came up for the reconstruction of the bucket stage.

August 27<sup>th</sup>

The joiner came up to reconstruct the bucket stage, & do other work about the building.

August 28<sup>th</sup>

The old bucket stage which has stood ab initio was pulled down, & a new one planned.

August 29<sup>th</sup>

The new bucket stage has been erected. Today there has been the heaviest rainfall ever recorded for any one day during August viz. 3.483 inches.



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30<sup>th</sup> of August

The 23 Hrs. observation was  
3 minutes late

August 31<sup>st</sup>

Uneventful

August has been a warm  
but very cloudy month

September 1<sup>st</sup>

Mist. Uneventful

September 2<sup>nd</sup>

Robinson was tied between 17 & 18 hrs.  
during repairs on the roof. Glories  
were seen at 5.40

Buntings were seen at 6 & 7 hrs. &  
a raven settled near the hotel at  
6 hrs.

September 3<sup>rd</sup>

Glories & fog bows were seen at  
13 hours. Buntings



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September 5<sup>th</sup>

Coronas were seen at 22, 23, & 24 hrs, that at 24 hrs was a double one. Buntings were seen at 5 & 6 am.

Mr. Wm. Thomson arrived today to assist as an observer

September 6<sup>th</sup>

At 2 am. there was frost on the roof. From 1-4 am. a faint greenish lunar halo was seen although no trace of even the thinnest cloud could be detected. The shadow of the Ben was well seen at sunrise. Glories were seen at 10 am. & a faint solar halo from 17 to 18 hrs. The visibility between 13 & 14 hrs was 5

Buntings were heard at 14 am. & seen at 6 am.

September 7<sup>th</sup>

Robinson was labouring & oiled at 3 am.

September 8<sup>th</sup>

Buntings at 18 hrs.



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September 9<sup>th</sup>

A lunar corona at 2 + 3 hrs.  
A Rainbow from 15 to 16 hrs + a lunar rainbow at 22 hrs. Lightning was seen from 22 hrs till midnight, & the telegraph instrument was in consequence short circuited. The tower screen was also put out but not required.

Buntings were seen at 5 + 7 am.

September 10<sup>th</sup>

There was sheet lightning till 0420 minutes. A flash was also seen at 4 hrs. A rainbow at 15 hrs. The barometer was pumping at times, but very slightly.  
Buntings were seen at 6 am.

September 12<sup>th</sup>

Mr Russell left today. Mr Thompson who accompanied him as far as the lake reports that the mist was down to within 400 ft. of the lake. W were seen at 23 + 24 hours.

Buntings were seen during the day, & a raven was hovering over the E end of the summit at 16 hrs.

September 13<sup>th</sup>

From 1 to 4 hrs lunar coronas were seen, & a solar corona at 16 hours. All day long



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glories & fogbows were to be seen, several of the glories were quadruple, at 17 hours a triple fog bow was seen the inner two rings of which were coloured, it is however uncertain whether the outermost ring was coloured.

At 5, 7, 10, & 18 hrs. bruntings were seen  
2 ravens were seen at the Wind at 6 hrs  
& another raven was seen at 7 hrs.

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### September 14<sup>th</sup>

A lunar fogbow was seen at 1 hr. &  
lunar coronas at 2, 4 & 5 hrs

At 7 hrs bruntings were seen

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### September 15<sup>th</sup>

A rainbow was seen at 8 hrs.

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### September 16<sup>th</sup> & 17<sup>th</sup>

At 14 hrs on 16<sup>th</sup> & at 6 hrs on the 17<sup>th</sup>  
bruntings were heard singing

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### September 19<sup>th</sup>

Bruntings were seen at 7, 8, 9, 11,  
15, & 16 hrs.

At noon Mr J. Skel arrived replacing  
Mr J. Alexander as cook, who left at  
the same time

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September 20<sup>th</sup>

At 9 hrs fog bows & quadruple glories were seen. At 21 & 22 hours a faint aurora. At 4 hours Robinson was tied & was again let loose at 10 hrs. At 3 hrs 3 meteorites were seen close together to E. The Barograph stopped at 9h15m. This was only noted at 13 hrs.

Buntings were seen at 7, 8 & 9 hrs. A Raven was hovering over the summit & observatory at 7 hours, & a ptarmigan was started towards the E end of the summit. Mr Thompson who went on the C. M. Bear started 2 ptarmigan on the summit at 18 hrs., & captured a spider there also.

September 22<sup>nd</sup>

At 15 hrs Robinson was labouring heavily & oiled. The aurora was seen at 21, & 24 hrs. At 23 hrs a meteorite towards the E fell E.

September 23<sup>rd</sup>

The shadow of the earth was well seen at 6 am. There has been very thick low lying haze all day; on the top of this haze lay a blanket of fog, as if supported by the haze, gradually as the day



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advanced, this canopy of fog cleared away leaving the thick haze with the hilltops only projecting through it. At 22 hrs a meteorite was seen travelling from N of the zenith N<sup>o</sup>. Another was seen at 23 hrs. to ESE altitude probably 60° falling ENE. What was probably lightning was seen after 23 hours.

Mr. Rankin, R. H. Cleghorn, & Harper arrived today & Mr. Wm. Thomson went down the hill.

September 24<sup>th</sup>

Thick haze below in morning. Fog & mist on Summit at and after 9<sup>th</sup>.

Sheet lightning seen at 2<sup>th</sup>, 4<sup>th</sup> and 5<sup>th</sup> at 3<sup>th</sup> thin fog which covered summit seemed to be luminous. as all around, about the cliff edge appeared bright.

The new Chimney on Tower was sorted today. Messrs W. S. Bruce and Harper (Plumbers) left the Observatory in afternoon.

September 25<sup>th</sup>

During breaks in the mist this morning thick haze was seen below all round.

September 27<sup>th</sup>

Clearing in afternoon. A raven was seen at 9<sup>th</sup>.



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September 28<sup>th</sup>

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Thick haze and fog below all around.

Zodiacal Light seen at 4<sup>h</sup>

Solar Halo seen at 15<sup>h</sup> and 16<sup>h</sup>

September 29<sup>th</sup>

Low-lying haze and fog all round in morning. In afternoon the haze appeared much thicker but the fog vanished.

Aurora seen faintly at 21<sup>h</sup>

September 30<sup>th</sup>

Sky almost or quite cloudless all day  
Very thick haze below all round.

Aurora seen at 2<sup>h</sup>, 3<sup>h</sup> and 4<sup>h</sup> showing active streamers at times reaching to near Zenith

Today and during the last few days temperature has been unusually high for the time of year. being mostly above 50°

About 700 visitors climbed the hill during September.

October 1<sup>st</sup>

Fine and clear in forenoon, but thick haze below. Sky became cloudy and overcast in evening and at 20<sup>h</sup> mist and rain came on.

At 15<sup>h</sup> temperature was 53° 3 and at mid.

37° 3 - a fall of 16° in 9<sup>h</sup> the fall was most rapid after 23<sup>h</sup> when it fell 4° before mid.

A flash of lightning was seen at 21<sup>h</sup>.



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The Hotel was closed today: and Mr. Miller and his staff went down the hill.

October 2<sup>nd</sup>

The fall in temperature noted last night continued pretty rapidly till 7<sup>th</sup> today when the temperature was  $27^{\circ}2$ , and more slowly thereafter till 20<sup>th</sup> when it was  $23^{\circ}4$ . - the total fall thus amounting to about  $30^{\circ}$  in 29 hours.

at 2<sup>th</sup> the temp. was  $31^{\circ}8$  and snow began to fall heavily. and continued falling heavily all day.

at 2<sup>th</sup> the anemometer was tied up. at 16<sup>th</sup> the water-tank <sup>at Wragge's well</sup> was emptied to prevent its being damaged by ice.

The Black Bull got so encased with ice and snow that it could neither be read nor set tonight.

October 3<sup>rd</sup>

Snow falling most of the day. So much has now fallen that the road is entirely blocked and no horses can get up.

*(Lunar Corona seen at- mist)*

October 4<sup>th</sup>

Top clear at times today.

Lunar Corona and fog-bow seen at 1<sup>th</sup>

A few visitors managed to reach the Observatory today: and reported the snow as being very deep on road as far down as Buchanan's well.

October 5<sup>th</sup>

Mist and heavy showers of snow all day. Stillmos Fire noted at 1<sup>th</sup> and 4<sup>th</sup> and Earth Currents in Cable at 1<sup>th</sup> 52 to 1<sup>th</sup> 54 and at 4<sup>th</sup> 54<sup>th</sup>.



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October 6<sup>th</sup>

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The cover was left on the range between 1<sup>st</sup> and 2<sup>nd</sup> but apparently no snow fell. at 4<sup>th</sup> a lunar Corona was seen.

Mr. W.S. Bruce came up the hill and Mr. Rankin went down. There was sufficient snow for travelling on snow-shoes from Buckans Well. Traces of snow were to be seen within 500 ft of the lake.

October 8<sup>th</sup>

A lunar Corona was seen at 5<sup>th</sup>. Snow-bunkings were seen at noon. There were the footprints of a reindeer at Bucket stage and one was seen on the summit at 18<sup>th</sup>. There were a few flies on the snow.

October 9<sup>th</sup>

Lunar Coronas were seen at 1, 2, & 4<sup>th</sup>. The snow was drifting considerably and a good deal was blown off the summit.

October 10<sup>th</sup>

A few flies and a spider were seen on the snow

October 11<sup>th</sup>

In the afternoon and evening the temperature rose and the snow has been melting rapidly.

The Black Bull was set and Robinson let loose.

October 12<sup>th</sup>

Thaw continuing with mist and heavy rain. Mr. Rankin returned to observatory and Mr. Bruce went down.



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October 13<sup>th</sup>

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Mist and drizzling rain all day.  
The readings of the anemometer were  
discontinued today.

October 14<sup>th</sup>

A few readings of the anemometer were  
made in morning but as the temperature fell  
below 32° at 7<sup>th</sup> the instrument had to be tied  
up. In the afternoon the cups and arms  
were taken off and brought inside for the  
winter.

The wind veered to the E today, being  
W last night, N in morning, and E all evening.  
The summit was clear from 10<sup>th</sup> till 19<sup>th</sup>.  
A solar halo was seen at 11<sup>th</sup> and noon.

A horse was brought up to Observatory  
today - the first since 1<sup>st</sup> inst. The road  
was almost clear of deep snow except  
for a wreath at first gorge about 30 inches  
deep.

October 15<sup>th</sup>

Fog most of the day with cold  
easterly winds and falling temperature. Clearing  
at night and wind backing to N<sup>W</sup>.

White fog-crystals forming. White fog  
covered the Summit.

The Black-bull could not be set  
last night, so that no reading could be got today.

October 16<sup>th</sup>

Summit clear most of the day. Air very clear  
but sat or nearly so.



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Aurora seen at 1<sup>h</sup> - low in sky and very faint. It was again seen at 2<sup>h</sup> and on to mid! Only at mid! did it show anything remarkable. being till then an irregular arch of dim light low in sky and showing no streamers. At mid! however it filled the N<sup>W</sup> sky below 20° and had very bright and active streamers.

A raven was seen at 10<sup>h</sup>.  
In trying to send some telegrams between 15<sup>h</sup> and 16<sup>h</sup> it was found the signals were too weak. The cause of this was found in battery box, two of the cells being nearly dry. These cells were coated inside and out with a white precipitate that drained the fluid out of the cells and made them appear to leak. On replenishing the battery the signals at once improved.

October 17<sup>th</sup>

Cloudless or almost so till 23<sup>h</sup>. Fog at mid!  
Low-lying fog on rocks in morning.  
Aurora seen till 4<sup>h</sup> faintly: and from 19<sup>h</sup> till 23<sup>h</sup> incl: At 19<sup>h</sup> there were streamers seen, but thereafter only a well-defined and pretty bright arch.  
Air very clear all morning: but slightly hazy in afternoon: In early morning the West Coast Lights were seen.

Venus is extremely brilliant these mornings.

October 18<sup>th</sup>

Fog crystals forming at 20<sup>h</sup> and 21<sup>h</sup>

October 19<sup>th</sup>

A thaw: with mist and drizzling rain

October 20<sup>th</sup>

Temperature falling slowly: Glazed frost forming at night. Summit cleared at mid!

Six snow-bunkings seen at 10<sup>h</sup>



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October 21<sup>st</sup>

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Thin fog most of the day: Temperature falling in early morning - and ranging from  $18^{\circ}$  to  $20^{\circ}$  from 8<sup>th</sup> till mid.  
 Icey drizzle falling at 7<sup>th</sup>

October 22<sup>nd</sup>

Temperature mostly below  $20^{\circ}$ . Summit clear in evening: but fog around below and passing.  
 Northerly winds: somewhat squally - causing pumping of the barometer.

October 23<sup>rd</sup>

Temperature still low: Summit clear at times but fog hanging about hill.  
 Snow falling at and after 20<sup>th</sup> not in flakes but in single detached hexagonal crystals: showing by reflected light a finely cut internal structure.

Two ravens seen at 13<sup>th</sup>

October 25<sup>th</sup>

Slight showers of snow in morning between 5<sup>th</sup> and 8<sup>th</sup>.

Lunar Corona seen at 20<sup>th</sup>

At 17<sup>th</sup> Snow-buntings were heard chirping about the cliff.

October 26<sup>th</sup>

Rather squally wind in morning causing some drift. Fog off and on summit all day.  
 Lunar Corona seen at 19<sup>th</sup>, and Aurora at 20<sup>th</sup>.

October 30<sup>th</sup> Temperature has been low (about  $20^{\circ}$ ) and the wind Northerly for the last 9 days: Today the wind backed to NW and temperature rose several degrees.



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October 31<sup>st</sup>

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Fog on summit at times till 16<sup>th</sup>. Clear thereafter  
and sky above clearing being cloudless after 21<sup>st</sup>.

Lunar Coronas seen in evening.

Rather squally northerly winds in morning.

As the Stevenson Thermometer Screen in which the  
thermometers have been exposed during summer  
has lately got very much clogged with snow,  
the small Winter Box was put out today  
after 23<sup>rd</sup> with Dry 861089 Wet 861090 and  
Minimum 138545 — 54 inches above the surface  
of the snow.

About 40 people visited the summit in October.

November 1<sup>st</sup>

Summit clear ~~most of the~~ all day. Air very  
clear in morning: but thick haze came on at  
night.

Low-lying fog on Lochs Lochy & Linnhe in  
forenoon.

The wind veered round to SE today.

November 2<sup>nd</sup>

Fog till 16<sup>th</sup> — cloudless and top clear  
after 18<sup>th</sup> but thick haze all around below.

Eight Snow buntings seen at 7<sup>th</sup> and a Raven  
at 9<sup>th</sup>.

November 3<sup>rd</sup>

The haze seemed to be thicker above our  
level today than below it. Heat frost forming  
all last night. Fog on Lochs Lochy & Linnhe and  
on most of Rannoch in forenoon  
Lunar Coronas at night.



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Top clear for several hours in early morning. but sky cloudless and low lying fog on ~~recesses~~ locks to N. & NW.

Thick fog all evening, forming brown fog-crystals

November. 5<sup>th</sup>

The ESE wind blowing today gradually increased in strength, and blew a gale from 18<sup>th</sup> to 23<sup>th</sup>.

At 21<sup>st</sup> the drift was so bad that observer could not read the minimum in thermometer box. not change the range

November 6<sup>th</sup>

Heavy fall of snow, sleet and rain today. The Black-bull could be moved with safety from its stand today, and ~~at~~ was taken inside, as were also the Dry (535541) Wet (535542) man (117293) and min (116918) that were exposed in large Stevenson Screen.

November 8<sup>th</sup>

Mist and <sup>showers of snow</sup> ~~drizzle~~ today.

Mr. W. S. Bruce visited observatory and stayed over night. On his way up he caught a beetle about 4200 ft. alt. (McLean's Sheep).

November 9<sup>th</sup>

Put out the Tower Box at 23<sup>rd</sup>.

November 10<sup>th</sup>

SE<sup>ly</sup> gale with heavy fall of snow from 5<sup>th</sup> till 9<sup>th</sup>. Thereafter the wind veered to SW. but backed again to SE 19<sup>th</sup> and blew a gale for rest of the day. In this gale the temperature rose above



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32°. and heavy rain fell.

In the barogram for today there is a quick rise and fall about mid:

Several flashes of lightning seen after the mid: observation. The Summit at that time was clear.

In the morning gale the Tower thermometer was used at 5<sup>th</sup>, 6<sup>th</sup> and 7<sup>th</sup> and from 4<sup>th</sup> till 10<sup>th</sup> no measurements of snow per range were made owing to drift.

Aurora seen at 1<sup>th</sup> and part of a Lunar Halo.  
(Barograph trace for today is about 40 minutes fast)  
November 11<sup>th</sup>

Gale moderated after 1<sup>th</sup> and at 3<sup>th</sup> the wind veered to SSW and barometer began to rise. At 1<sup>th</sup> the top was clear and the air dry.

Heavy snow fell throughout the day.  
Earth-movements noted in Cable at 3<sup>th</sup> 20m.

November 13<sup>th</sup>

Mist and slight drizzle 5<sup>th</sup> till 7<sup>th</sup> temp 28° to 29°. Heavy snow falling in evening.

St Elmo's Fire seen at 17<sup>th</sup>

(Nails were put in snow gauge today, one at 36 inches above ground and one at 72 inches.

Finished Mr. Snow's hinged canvas covered boarding for roof of Snow Porch today.

November 14<sup>th</sup>

Snowing heavily almost all day. The amount entered in daily sheet at 3<sup>th</sup> is doubtful owing to the gauge having been found inclined to one side. ~~110.5~~



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St. Elmo's Fire was seen at 4<sup>th</sup>. At 101  
20<sup>th</sup> the telegraph instrument was short-circuited  
several times. The mica of lightning protector  
was apparently all right, but the fault  
seemed to have been about there.

November 15<sup>th</sup>

Stormy. The wind backed from W. in early  
morning to SE in afternoon and blew a  
squally gale most of the time. After 18<sup>th</sup>  
however it veered to NW and moderated.  
From 8<sup>th</sup> till 13<sup>th</sup> the heavy drifting of snow made  
changing the range useless. (The entries for on-  
monthly sheet for this interval are interpolations)  
The rise in barometer after the centre had  
passed was accompanied by a rise of  
temperature.

Solar Halo seen at 9<sup>th</sup>

November 16<sup>th</sup>

Snow fell heavily all afternoon

November 17<sup>th</sup>

Snow falling all day.

Earth currents on Cable at 1<sup>st</sup> 55<sup>m</sup>

November 18<sup>th</sup>

Summit clear for few hours in evening.  
Thermometer box changed after 19<sup>th</sup> @ 5-35-541  
~~not~~ and Wet 5-35-542 put out. Height above  
snow not altered.



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November 19<sup>th</sup>

The top was clear from 7am. to 7p.m., but the sky overcast & fog passing. The Wind rose to the force of a gale at midnight. In the morning brown fog crystals were forming & at 16 hrs it was noted that the fog crystals were almost black.

November 20<sup>th</sup>

The wind moderated after 8 am. to fresh & moderated breezes. Minimum thermometer was shaken & not read.

Mr. Porace came up to relieve Mr. Rankin.

November 23<sup>rd</sup>

The aurora was seen faintly at 1 am. Also from 19 hrs to 23 hrs inclusive. At 23 hrs it was quite brilliant. After midday the sky was practically cloudless. Glories were seen on the fog below. The earth's shadow was seen. The sun set at 16 hrs  $4\frac{1}{2}$  min.

At 1 am. the therm. box was changed; therm. 535541 + — 42 <sup>were</sup> ~~being~~ put out in the place of 8610890 + — 90 again after 17 hrs.

A raven was seen at 13 & 16 hrs.

November 24<sup>th</sup>

Between 15 & 16 hrs there was a solar corona, & lunar coronae at 17, 18, 19 & 20 hrs. A faint aurora at 21, 22 & 23 hrs.



November 25<sup>th</sup>

Stratus fog lay in the valleys to the E & S + thick <sup>low lying</sup> haze to the N + NW. This fog increased till 15 hrs when only the peaks were seen to E, S, + SW; it then decreased + at midnight there was fog only in the SW ~~valleys~~ valleys.

A faint aurora was seen till 5 am. At sunset the shadow of the earth + Ben were seen well.

A meteor fell from the SW towards W at midnight.

November 26<sup>th</sup>

There was fog on the summit at times otherwise the sky was quite cloudless. There has been a low lying valley haze all rd. & fog to the E & S.

A solar corona at 15 hrs. Lumar corona at & after 17 hrs at times. A faint aurora at 1, 2 + 5 hrs.

November 27<sup>th</sup>

The barometer was pumping at 2 + 3 hrs.

November 28<sup>th</sup>

At 14 hrs the fog crystals on the top <sup>of tower ladder</sup> ~~measured~~ 4 feet long & on the top of the spare thermometer ladder 3 ft. They have been growing ~~very~~ rapidly & regularly all day.



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November 29<sup>th</sup>

The fog crystals were 3 ft. 6 in long  
on the spare thermometer ladder.

Three strangers visited the observatory in November

December 1<sup>st</sup>

St Elmo's fire was seen at  
6 + 19 hrs.

December 2<sup>nd</sup>

The Barometer has been  
pumping during the afternoon + evening

December 3<sup>rd</sup>

The Barometer has been pumping  
at 1, 2, 3, 5, 7, 8, + 9 hours

December 4<sup>th</sup>

The Barometer has been pumping  
at 14 + 16 Hrs as well as after 21 Hrs.

December 5<sup>th</sup>

Again the Barometer has been  
pumping all day, being a squally day.  
There was thunder + lightning at 8H.25M  
+ at 8H.38M. A click was heard on  
the telegraph instrument at 8H.25M. also  
at 16 Hrs.

December 6<sup>th</sup>

Barometer pumping + squally.



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There was thunder & lightning at 9H.22M with a click on the instrument, & lightning at 9H.28M with a treble click.

### December 8<sup>th</sup>

The Minimum was set at 23 not 21 Hrs.

Deer were heard this morning in the distance. The tracks of a fox were seen on the plateau of storms.

### December 9<sup>th</sup>

The 7 hrs. observation was 4 min late. The Minimum thermometer appears to have been shaken.

### December 10<sup>th</sup>

At noon two ravens were hovering over the summit. Mr. Keil saw a small mammal (species ?) in the visitor's room. He described it as being about 4 inches in length.

### December 11<sup>th</sup>

At 15 Hrs the thermometer bore was changed & the height was raised to 50 inches

535541	} taken in &	861089	} put out
42		90	
138545		1.108531A	

At 17 Hrs the latter were changed for

192677
72

A fox was supposed to have been seen at



1895

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the door at 19 Hrs

December 12<sup>th</sup>

Earth currents were heard on the telegraph instrument at 1 H 20 M, 2 H 37 M, & 3 H 49 M. The 9 Hrs rainfall is conjectural owing to the gauge not having been shifted previously & there being considerable drift.

December 13<sup>th</sup>

The rainfall was conjectural at 1 Hr. as the gauge was tilted right over to windward. The aurora was seen at & after 21 hrs. The fog began to clear towards the N at 21 Hrs & was passing the hilltop & below after that time. At Midnight a meteor was seen to S.

December 14<sup>th</sup>

The minimum thermometer was shaken. The hilltop was clear till 6 Hrs. with fog resting on the hills all round. At 2.3 Hrs the stars were gleaming in an apparently cloudless sky. The 20 Hrs. observation was  $3\frac{1}{2}$  min. late.

December 15<sup>th</sup>

The minimum reading  $18.2^{\circ}\text{F}$  is probably a wet bulb reading. Till 11 Hrs the top was mostly clear, though fog was passing at times. There was detached fog all round, varying in position & quantity, no great masses being in the vicinity of the Ben.



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December 16<sup>th</sup>

At 21 Hrs the rainfall is conjectural.  
At 19 Hrs & Midnt. there was a gnawing in the SE corner of the office. Tracks of a (vole?) were seen this morning from the coal cellar to the visitors room.

December 17<sup>th</sup>

The fog crystals have formed fairly rapidly today & by 15 Hrs were fairly heavy:

At 15 Hrs a gnawing was heard on the W side of the office.

December 18<sup>th</sup>

At 13 Hrs Mr Stewart came up to assist Mr McDougall with taking observations, while Mr Bruce had to go down to the L.L.O. on business.

December 19<sup>th</sup>

The thermometer screen was shifted at 19 H. 15 M

192677	} taken in	535541	} put out
72		42	
1,108,531 <sup>A</sup>		138545	

December 20<sup>th</sup>

Mr Bruce returned at 14 H. 30 M & Mr Stewart went down. During the ascent Mr Bruce saw tracks of a fox (or foxes) from the lake to the Plateau of Storrs  
also tracks of a weasel at 2500 ft  
" " " hare 2500 ft  
" " " (ptarmigan?) " 2000 ft.



He picked up insects on the snow at 2200 ft (also on the 18<sup>th</sup> at 2500 + 2200 ft those at 2200 were probably Collembola). At the Plateaus of Storms he emerged out of the thick  $\sigma$  which extended to the foot of the hill at the top of this haze was a layer of fog which was breaking up at that time.

What appeared to be the track of a fox on the roof at the window of the observation which must have been there at night

### December 21<sup>st</sup>

The top was clear till 20 hrs.; at noon there was fog over L. Lochy & at 15 H. a low-lying stratus fog over the canal beyond (E) L. Lochy. Haze filled the valleys all day.

There were several flies (all dead) round the base of the Tower especially on the N side being the same species as those recently seen inside.

### December 22<sup>nd</sup>

There was a faint aurora at midnight. At 15 Hrs the hand anemometer measured 62 & 65 miles per hour. The 11 Hrs observation was 3 minutes late. At midnight the wind carried away the hourly sheet.

### December 23<sup>rd</sup>

A heavy gale all day.



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December 23<sup>rd</sup> (contin)

The tower screen was in use for the hrs of 20, 22, 23, & 24. At 20 hours the lamp was blown out several times & at 21 Hrs the observer was knocked down by the wind; it was therefore deemed advisable to use the tower screen. On holding the hand anemometer outside the tower door 86 miles was registered it was only just possible to hold it with the two hands. At 23 Hrs. the observer lying on his back on the roof again registered 86 miles.

December 24<sup>th</sup>

The gale blew with even more violence today only tower screen observations were made. At 2 hrs the lamp was blown out although carefully protected as before. At 15.30 the hand anemometer held outside the tower door registered 81 miles per hour.

December 25<sup>th</sup>

The gale has continued today at noon the first outside observation



1895

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for 38 hours was taken. The tower screen was used at 17 hrs. The lamp was blown out at 18, 21, & 24 hrs. No minimum temp., depth of snow, or height of bulbs taken today

December 26<sup>th</sup>

The lamp was blown out at 2 hrs. Clear top but overcast with stratus, at times these clouds are touching all the hills around & passing the Ben as fog.

December 28<sup>th</sup>

Clear till 6 am, with stratus fog on hills especially to N & E. Glazed frost at night

December 29<sup>th</sup>

Glazed frost all day

December 30<sup>th</sup>

The 16 Hrs observation was 6 min. late. There was a lunar corona at 1, 3, 4, & 5 Hrs, & a lunar fog-bow at 4 H.

December 31<sup>st</sup>

A lunar ~~fog-bow~~<sup>corona</sup> at 5 Hrs. At 12H.30M. cat caught a common short-tailed field vole (*Microtus agrestis*). At 16 Hrs the fresh tracks of a fox were seen on the plateau. No visitors this month.



1895

Instruments, etc for 1895

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1895

Instruments, etc for 1895

111



















1896

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January 1<sup>st</sup>

High temperature & mist & rain ushered in the New Year. Vole died this morning

January 2<sup>nd</sup>

The rain stopped & the top cleared after 3 H. The fog sank lower & lower & at 7 H. was filling the valleys only. Fog came on again at 21 H. At 14 H. there was a solar halo. 13 Hrs obs. 2 min late

January 3<sup>rd</sup>

The top was mostly clear but the sky overcast. There were detached portions of fog all rd among the hills & in the valleys. At 2 H. & midnight a lunar corona was observed & an aurora at midnight.

January 4<sup>th</sup>

The 15 H observation was 4 min late. There was a corona at 1 H. Dense fog filled the valleys to S & E & sometimes in other directions. There were patches of fog almost all day over the Caledonian Canal beyond Loch Lochy, otherwise the N & NW were exceptionally free of fog. The earth shadow was well seen at sunset. There were red rays radiating from a point NE above the blue of the earth shadow. The aurora



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was seen at 20, 21, 22, + 24 Hrs. It was quite brilliant especially at about 20 H., when there were two bright arches - a steady light with no streamers; by 8 H. 10 M. to 8 H. 15 M. streamers were developed travelling along from N x E to the NW<sup>o</sup>; the aurora also was brighter altogether, + the most brilliant display of streamers was to the NW, some of these were coloured red. During this display the arches became broader + more broken. At 21 Hrs. there was only a faint auroral light. No aurora was seen at 23 Hrs., but by midnight there were several bright streamers in spite of brilliant moonlight. Some flies around

The moon rose at 21 H. 5 M.

January 5<sup>th</sup>

There was fog mostly to the SE + over the western sea + & to the NW below. After 17 H. fog gathered to the W + N + became thickest in that direction. The aurora was seen at + after 21 Hrs. Faintish at 21 Hrs. brighter at 21 H. 10 + 21 H. 25 M., but much brighter at 22 Hrs. with two arches like last night. At 23 Hrs the higher arch reached about 30° from horizon + there were a few streamers from both arches.



January 6<sup>th</sup>.

The aurora was again seen at 1, & 3 Hrs. & a lunar corona at 5 & 6.

January 7<sup>th</sup>.

Mr Miller came up & Mr McDougall went down.

The aurora was seen at 23 & 24 Hrs. The barometer is exceptionally high & is still rising at midnight.

January 8<sup>th</sup>.

There was fog all rd. below till 21 H then there was only detached fog to E & W. Glories & Double <sup>for</sup> bows were seen. The barometer has continued to rise all day at 8 am it read (corrected) 26.115 this is the highest previous record attained on the 5<sup>th</sup> of October 1884. At midnight it read 26.200 having fallen slightly since 23 Hrs. <sup>Therm screen altered</sup>

$\frac{535541}{42}$  taken on  $\frac{192677}{72}$  put out

January 9<sup>th</sup>

The barometer rose till 11 am & then fell markedly. The maximum reached was 26.255. There was fog to the NE & SE till 5 am. The sky has been almost cloudless. The shadow of the Ben seen at sunrise & sunset, & that of the earth at sunset. The sky was green at the horizon at 16 hrs. The



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aurora was seen at 22, 23, + ~~24~~ Hrs.  
at 22 H. one arch no streamers. Very fine &  
irregular streamers seen at 23 Hrs. The  
fog was banking up all round the Ben  
at midnight

January 10<sup>th</sup>

Several readings of the spare  
barometer (No 1252) have been taken 2 minutes  
before the hour during the high barometric  
pressure.

The thermometer screen was changed  
at 13 H.

1926.77	} taken in	5355.41	} put out.
— 72		— 42	
1385.45		1,105,531.4	

The fog reached up to about  
4000 ft in the afternoon.

January 11<sup>th</sup>

At 11 am the barometer fell  
below 26.000 after being above it for  
103 hours. There was fog all day. The  
17 hrs observation was 3 minutes late.

January 12<sup>th</sup>

St Elmo's fire was seen on  
the town + kitchen chimney at 18 H.

January 14<sup>th</sup>

Snow down to about 300 ft  
of sea level at 9 H. The thermometer  
screen was shifted at 12 H. 10 M.

5355.41	} taken in	1726.77	} put out.
— 42		— 72	
1385.45		1,108,531.4	

Rainfall conjectural 22, 23, 24 owing to drift



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January 15<sup>th</sup>

The rain gauge was put out again after 2 H. amount conjectural for 1 + 2 H. also after 11 H. owing to drift. Fog just on summit - at 15 to 16 H. on plateau visibility 3 sky overcast with snow & cumulus; wild looking.

January 16<sup>th</sup>

Owing to the drift the rainfall was conjectural till 9 H. The railway trains have been heard clearly today.

January 17<sup>th</sup>

The temperature has been high today & the rain very heavy

January 19<sup>th</sup>

Both at 4 & 5 H. the rain gauge was tilted to windward, the rainfall was there calculated by the L.L.O. readings. The top cleared at 22 H., there was a faint aurora. The sky was then cloudless till midnight. Not having moistened the wet bulb the 23 H. Dew Point was calculated by the midnight-reading, the air evidently being dry

January 20<sup>th</sup>

The top was clear till 6 H. & at 11 H. & noon. Lightning was seen to the W<sup>d</sup> at 6 H., & clicks of on telegraph instrument at 6 H. 11 M. & 6 H. 40 M. also <sup>H M</sup> 7.41 & <sup>H M</sup> 7.57, 8 H 21 M, 8 H. 25 M, 8 H 30 M, 8 H 58 M, 9 H. 13 M, 9 H 16 M, 9 H. 19 M. Thunder at 8 H. 25 M, 8 H 40 M, 22. 26, 27, owing to drift -



January 21<sup>st</sup>

The fog was very dense, except in the early morning & at night.

Mr. Stewart went down with the letters.

January 22<sup>nd</sup>

There was more or less fog till 9 am. when it finally lifted. It looked as if it would come down again, indeed it was frequently touching the tops of the hills including the Ben. A lunar corona was seen at 20 Hrs.

The thermometer screen was shifted at 10 H. 10 M.,

535541	} taken in	192677	} put out
—42		—72	
1108.531		138545	

At 15 H. a raven was seen near the observatory.

January 23<sup>rd</sup>

It was almost cloudless till 9 am., but diffuse fog was gathering all round & at that hour the Ben was enveloped. At midnight the fog became very dense.

January 24<sup>th</sup>

Fine lunar coronae (Double at times) & fog bows were seen. Glazed frost at 8 & 9 p.m.



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January 25<sup>th</sup>

Almost cloudless till 13 H. The lying all round at 3 H was up to about 2000 ft & rose by 8 H. to 4400 feet at 14 Hrs it enveloped the summit. Lunar coronae & fogbows were seen at 1 H. & 2 H. Solar fogbows (triple at times) were seen all the morning. There was a brilliant meteor that fell from about 30° above horizon N to about 10 from horizon N x E, it vanished behind some cumulo stratus clouds lying round the horizon, this was at

The thermometer screen was changed at 2 H

192677	} taken in	535541	} put out.
72		42	
1,108,531		1,108,531	

January 26<sup>th</sup>

6 Hours observation 2 minutes late

January 27<sup>th</sup>

The barometer was pumping in the morning & at night. At 7 H. 8<sup>5</sup> Elmo's Fire was bright on the tower & kitchen chimney. A lunar corona at midnight. Rainfall estimated at 22, 23, & 24 Hrs.

At 18 H 10 M the clock stopped owing to the catgut being rotten.

January 28<sup>th</sup>

Mr Stewart came up.



January 30<sup>th</sup>

Lunar coronae & fogbows (double & triple at times) seen at 21, 22, 23 and a faint aurora in spite of brilliant moonlight. The thermometer screen was changed

535541	} taken in &	192677	} put out
42		72	
11051531 <sup>M</sup>		138545	

Stewart went down today, the fog being thick yesterday

January 31<sup>st</sup>

Bright lunar coronae & fogbows <sup>at night</sup> were seen this morning. There has been thick fog all rd below covering all land except at times in the afternoon the extreme tops of Cairngorms, Schiehallion & Aonach Mor. Glories were seen all day. The sunset behind clouds at about 40 to 0 ft. at 16 H. 52 M. The shadow of the earth & Ben were seen well at sunset. At 21 H. 20 M. there were strong earth currents on the wire. The aurora was seen at 21 hours & after. At 23 H. the aurora was seen as a well marked arch up to about 30° from horizon on its under side the arch was much lower at midnight, & the aurora was brightest at 23 H. 30 M.

Two strangers visited the observatory this month.



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February

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February 1<sup>st</sup>

What was possibly a faint  
lunar halo was seen at 1 H. & lunar  
coronae at 2 & 4 H.

February 2<sup>nd</sup>

At 9 H a double fog bow  
was seen. The aurora was seen at &  
after 20 H; there was a well marked  
single arch at 23 H. At 23 H & M. the  
arch doubled & became much brighter  
with streamers. There was only a  
faint auroral light at midnight.  
The sun set at 17 H 2 M. A meteor  
fell at 23 H 10 M in NW perpendicularly  
downwards from about 20° above horizon.  
The Tobernary Light was seen at 18 H.

February 3<sup>rd</sup>

The aurora was bright at  
1 but absent at 2 Hrs. The fog has  
varied from 3500 to 4500 ft. being  
highest to the S<sup>d</sup> at 1 H. At 4 H. the  
cumulus fog rose above the height of  
the Ben & the hilltop was in fog  
at & after 7 H.

February 4<sup>th</sup>

Mr Stewart arrived at 12 H 30 M  
& left at 13 H 30 M.



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February 6<sup>th</sup>

At 4 am. - what might be termed 'musical hail' - the hail was falling in fine form & quite a chorus of musical notes was heard as it struck against the fine icy fog crystals which had formed upon the surface of the snow on the ground & elsewhere. At 16H went down to the 2<sup>nd</sup> last pole & got out of the fog, there were only small detached patches of snow below there.

February 8<sup>th</sup>

Living flies have been seen on the snow today & some have been captured. The top was clearing slightly in the afternoon.

February 10<sup>th</sup> & 11<sup>th</sup>

High temperature & very heavy rain.

February 12<sup>th</sup>

At 17 Hrs. went down to past the last post - there was thin fog all the way but at 17H25M the top was clear with passing fog, & thick fog lay all rd. below. The aurora was seen at 20, 21, 23 & 24 hrs. it was fairly bright at 23 Hrs & at midnt. there was a well defined arch. Four ptarmigan were seen on the plateau of storms



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The foot steps of a tourist seen at 17H.  
right up to the hotel must have been  
up today when the fog was on. at 23H  
A meteor in NW about  $40^{\circ}$  above horizon  
A meteor in NNW about  $45^{\circ}$  above the  
horizon at midnight.

February 13<sup>th</sup>

The aurora was seen at 1, 2 &  
3 Hours. Fog from 5-9H. & 16H to Midnight  
Fog all rd below at other times from  
3000 up to 4000 ft.  
Mr Stewart came up today.

February 15<sup>th</sup>

The top was clear till 14H.  
Bar not thermometer changed at 2H. The  
fog was filling the valleys up to about  
3000 ft. The sky became more &  
more overcast & finally the clouds  
came down as fog. Temp. of Bar unsteady

A snow bunting seen on roof of  
hotel at 9H. & two flew round observatory  
at 16H going over the cliff by the Cairn, another  
flew past the observatory at 16.20. Another  
was heard at 3500 ft. Fly at 4000, &  
spiders at 3400 & 4300 feet.

February 16<sup>th</sup>

Glorias & fog bow seen at 8H.  
A stranger was heard at 15H about  
visitors room? Almost certainly.



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February 17<sup>th</sup>

Fog crystals 8 inches long on stays of chimney. At 17 H. a post card picked up half way up McLean steep notifying that 2 strangers had reached this point on 16<sup>th</sup> inst. & that there they had lost the track & had therefore to return. From 14 H. 30 M till 18 H 30 M down working at the road clearing a drift below the last post & some ice higher up. The road is now clear for any horse up to the plateau of storms. Whilst at the road snow buntings were seen & heard as also on the plateau. A raven was seen at 3500 ft & a flock of small birds (20 to 30) flying round the Ben from Glen Nevis across the lake. At 21 H. the min was taken in & thawed as it was coated with ice & thus giving wet bulb readings it was replaced at 9 H 15 M. The aurora was seen at 23 & 24 Hrs. the arch was low about  $10^{\circ}$  & the streamers not at all constant but fairly bright at mid at the arch only was seen.

February 18<sup>th</sup>

A faint auroral light at 1 H. At Stevenson screen on a bit



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of cord the fog crystals were forming in two apposed laminae which were easily separated one from another.

A sudden fall of temp 5H to 6H.

The haze is very thick today up to about 4000 feet. Large glories seen of Aonach Mohr also yesterday between 15H & 16H. Aurora 20, 21, 22 & 23H. Stars twinkling greatly. At 20Hs a meteor to N. At 16H a snow blunting. Horse & provisions up today  $\frac{1}{4}$  up McLean's Steep. Saw a fly on plateau of storms. Two tourists up. Temp. of Bar unsteady

February 19<sup>th</sup>

Aurora at 2H. Fairly heavy squalls. Snow very dirty. Not much fog crystal but they also are quite ~~greenish~~ or brownish

February 20<sup>th</sup>

Summit clear and sky cloudless at 22<sup>hrs</sup> & Mt in a fog passing. Apparently a good deal of fog hanging about hills. Showers of snow & sleet fell till 13<sup>H</sup>. Lunar Coroneae seen. Tracks of 2 Foxes seen on lower part of Plateau of Storms. Bot changed at 22<sup>H</sup>. 15<sup>th</sup>. Thermometers put out by 192677 Min but 192672 unchanged



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February 21<sup>st</sup>

Summit clear frequently during the day but sky cloudy. Thick haze and fog around. Air dry in early morning, Humidity being as low as 41 % at 6 + 7<sup>am</sup>. Horse with provisions up today. Mr. O'Brien up today and W. S. Bruce went down. Tracks of an Eagle seen today half way between 2<sup>nd</sup> Gorge and McLeans steps also 2 Snow buntings + a Raven

February 22<sup>nd</sup>

Temperature pretty steady till 16<sup>th</sup> between 25 + 27 deg; fell 5 degs at 17<sup>th</sup> rose 1 deg at 18<sup>th</sup> and again rose 7 degs at 19<sup>th</sup>; between 20 + 21<sup>am</sup> it fell fully 7 degs and remained fairly steady thereafter. Summit clear at times after 14<sup>th</sup> but sky pretty cloudy with cirrus. Heavy banks of fog hanging about hills all round.

Snowbunting seen at Kitchen window of Observatory. 5 Tourists visited Observatory today



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February 23<sup>rd</sup>

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Top clear all day except for a little thin fog passing occasionally. Sky pretty cloudy with cir-c & cir-s all day. Fog lying about hills to E & S and haze in valleys all round below. Air dry, very dry at times the humidity being as low as 13% at 5<sup>th</sup>. Lunar Halo seen at 21<sup>st</sup>, 22<sup>nd</sup> & 23<sup>rd</sup> h. dt.

Five Tourists up today.

February 24

Strong SSE<sup>2</sup> wind all day varying in Force from 30 to 60 miles per hour. Sky overcast with cirro-str and str-cum all day. General appearance of sky gloomy and threatening like. Thick haze in valleys below. Air very dry all day. Lowest humidity about 32% at 19<sup>th</sup> =. Lunar Halo seen at 1<sup>st</sup> & 23<sup>rd</sup> hrs.

February 25

Moderate gale from the SE all day. Tower screen put out in the afternoon and was in use at 18 & 19<sup>hrs</sup>. Snowing heavily all afternoon and measurements of amount uncertain owing to drift. Fog enveloped Summit after 2<sup>45</sup>



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February 26<sup>th</sup>

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Slight showers of snow fell during the forenoon. Summit clear and sky cloudless from 15 to 21<sup>hrs</sup> and air slightly dry from 16 to 19<sup>hrs</sup>.

Fog in valleys all round below and a few peaks showing through. Thick haze in distance. A little Cirrus seen above horizon to W. Lunar Coronae at 21<sup>th</sup>

Thermometer bar shifted at 15<sup>th</sup> - 15<sup>th</sup> ~~but~~ but instruments unchanged. White at Tea to night (18<sup>hrs</sup>) we were all startled at hearing a squeaking noise, it turned out that the Cat had caught a Vole? in passage off kitchen. A Bunting seen in afternoon.

February 27

Fairly high Temperature in the forenoon with showers of rain and drizzle and snow in afternoon.

February 28

Summit clear except for a little fog passing from 16<sup>th</sup> to 19<sup>hrs</sup> and again after 23<sup>hrs</sup> but sky overcast Stratus fog clinging to sides of hills all round. Slight showers of snow fell till 15<sup>hrs</sup>. Snow drifting about a good deal in forenoon. Lunar Halo seen at 23<sup>hrs</sup>.



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February 29

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Temperature rose quickly between 2 & 3<sup>hrs</sup> from 22.0 to 27.0 and continued rising slowly thereafter: Slight showers of snow fell till 7<sup>hrs</sup> drizzle and heavy rain in evening. Summit clear till 2<sup>hrs</sup> ~~but~~ stay overcast! At 1<sup>st</sup> Stratus fog clinging to hills to E and at 2<sup>hrs</sup> the clouds were touching hills all round

Bar changed at 1:10<sup>pm</sup> <sup>by 192677</sup> put out. Min unchanged. Height not altered. <sup>" by 192672"</sup>

\$ 12 Tourists visited Observatory during the month  
March 1

Heavy rain fell till 3<sup>rd</sup> and very heavy showers of snow since

March 2

Snow falling heavily all day. Depth of snow at Post A 51 inches; increase of 8 inches since 15<sup>hrs</sup> yesterday till 15<sup>hrs</sup> today. Thermometer bar raised one step up. Height above snow 46 inches.

March 3

Barometer very low today, but rising since 15<sup>th</sup>. Min reading of Bar 23.942. Slight showers of snow fell during the day. Bar changed at 15:20<sup>pm</sup> by 535541 put out Min unchanged <sup>but 535542</sup>



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March 4<sup>th</sup>

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Summit clear at 9+10<sup>hrs</sup> but sky cloudy & almost overcast. Fog in valleys below all round. Slight showers of snow fell throughout the day

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March 5<sup>th</sup>

Heavy snow showers all day

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March 6<sup>th</sup>

Barometer rising quietly twice 15<sup>hrs</sup>. Synally variable NE & winds all day. Heavy showers of snow fell during the day. Barometer pumping after 7<sup>hrs</sup>

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March 7<sup>th</sup>

Summit clear after 8<sup>th</sup> but sky very cloudy and ugly looking. Fog in valleys in forenoon to N & E but this all cleared away, and in the afternoon there was no appearance of fog in any direction. At 20<sup>hrs</sup> fog was on again. In very dry at times in afternoon, humidity being as low as 29 at 14 & 16<sup>hrs</sup>. Thin haze in distance all round. Slight showers of snow fell in early morning and evening. Solar Halo seen at 14 & 15<sup>hrs</sup>. Box changed at 12.20 N<sup>o</sup> by 192677 put out. Min unchanged but 192672 Height above snow 44 inches



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March 8<sup>th</sup>

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High Temperature and heavy rain  
till 20<sup>hrs</sup>, temperature falling rather quickly  
since and showers of snow  
Barometer pumping after 16<sup>hrs</sup>

March 9<sup>th</sup>

Top clear from 5 till 8<sup>hrs</sup> but sky  
overcast. Air slightly dry. Fog filled  
valleys below. Very light showers of snow  
fell at times during the day.

Barometer pumping till 4<sup>th</sup> Today  
Robert McConfall came up and  
Mr. O'Neil went down

March 10

Temper fairly steady in forenoon between  
23 and 25° with occasional slight showers  
of snow till 14<sup>th</sup> but the temp rose rather  
quickly and towards evening remained  
pretty steady about 36° and heavy rain  
falling. Thin fog in forenoon and sun  
gleaming at times

March 11

Summit clear at times till 20<sup>th</sup> then  
after fog cleared away leaving a perfectly  
cloudless sky. Air dry after 22<sup>hrs</sup>:



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March 11

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Temperature falling steadily all day from  $35^{\circ}3$  to  $17^{\circ}3$ . Aurora with shifting streamers seen at  $21^{\text{st}}$   $22^{\text{nd}}$  & mid. Zodiacal light seen at  $21^{\text{st}}$   $4^{\text{th}}$ . Snow Bunting at kitchen window at  $6^{\text{th}}$ . When out walking today and between  $1^{\text{st}}$  &  $2^{\text{nd}}$  Gorges a good number of flies were seen on surface of snow, but all apparently dead.

March 12

Sky cloudless till  $4^{\text{th}}$  but cloudy thereafter with cirrus and cirro-stratus till  $20^{\text{th}}$  when sky again became cloudless. The motion of the clouds although slow appeared to be from the NE. Air very dry all day, exceedingly dry at  $8+9^{\text{th}}$  the humidity being about 11%. Very thick haze all day. but fog in valleys in afternoon. Strong to light N breezes till noon and perfectly calm the rest of the day. Aurora seen at  $1.2.3+4^{\text{th}}$  and again at  $20.21.22.23^{\text{th}}$  & mid. Solar Halo at  $16^{\text{th}}$  and the Zodiacal light at  $21^{\text{st}}$ .

Today 6 Tourists visited the Observatory



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March 13

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Sky cloudy with Cirro-Cum till 8<sup>h</sup> after which fog came on and enveloped summit till 18<sup>h</sup>. Thereafter fog cleared off summit and sky has been cloudless since. Thick haze around all day and fog on hills to E + SE. Air slightly dry since 20<sup>h</sup>. Zodiacal light again seen tonight at 21<sup>h</sup> but not quite so bright as last night. Aurora seen at 1<sup>h</sup> and again at 21<sup>h</sup> 22<sup>h</sup> & midt.

Aurora was very brilliant at midt and had a double arch with streamers shooting to the Zenith. It extended from WNW <sup>to</sup> round to NE + E.

March 14

Sky cloudless till 7<sup>h</sup> fog since with occasional breaks in the afternoon and sky apparently pretty cloudy. Fog on hills to E and SE in early morning. Thick haze all round (pale blue in colour) probably due to Heather burning. Aurora seen at 1<sup>h</sup> 2<sup>h</sup> 3<sup>h</sup> & 4<sup>h</sup>.

Raven seen at Bucket Stage in afternoon

March 15

Wind veered to W<sup>st</sup> after 7<sup>h</sup> and heavy showers of snow since



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March 16

A strong gale from the SE, moderating after 9<sup>th</sup>. Wind gusty and very variable in the evening. Heavy showers of snow all day. Measurements of amount of snow conjectural at 3<sup>th</sup> 4<sup>th</sup> 5<sup>th</sup> + 6<sup>th</sup> owing to drift. Barometer pumping in afternoon.

March 17<sup>th</sup>

Heavy showers of snow all day. Variable winds chiefly westerly and rather squally in forenoon and causing a good deal of drift. Depth of snow at Post A 56 inches, an increase of 4 inches since yesterday.

March 18<sup>th</sup>

Fog thinner in the afternoon and sun gleaming occasionally. Slight showers of snow all day.

March 19<sup>th</sup>

Summit clear in afternoon but sky almost overcast. Wind backed from the NW to the SE in the evening and blew a strong gale of about 100 miles. Slight showers of snow in forenoon. Considerable drift in the evening. The min for daily weather report was taken from daily sheet.



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owing to min in bot being shaken. 136  
The 18<sup>th</sup> observation was taken 2 minutes  
late. Barometer pumping after  
22<sup>hrs</sup>. Thermometer bot changed  
at 16<sup>th</sup> 15<sup>m</sup> by 535541  
bot 535542 + Min 1108531 put out

March 20<sup>th</sup>

Today Mr. W. S. Bruce returned to this  
observatory and Mr. J. Miller went down to  
the Low Level - Station

March 21<sup>st</sup>

Today and yesterday several flies were seen  
on the surface of the snow on the hill-top  
and also on the hill-side lower down.

Summit clear in afternoon

March 22<sup>nd</sup>

Heavy fall of snow in early morning.  
Summit clear occasionally during the day.

March 23<sup>rd</sup>

Aurora seen at 4<sup>th</sup>.  
Temperature rising slowly all day. In forenoon  
glazed frost was forming from the mist and  
drizzling rain. Heavier rain fell later in  
the day.

March 24<sup>th</sup>

Mist all day: with rain or drizzle  
all morning. Temperature about 32°.



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March 25<sup>th</sup>

137

Earth-currents noted at 5<sup>th</sup> 19<sup>m</sup> and 5<sup>th</sup> 22<sup>m</sup>.  
 Mist or fog, with occasional clear intervals.  
 3 lies seen on snow today.  
 Mr. Ranshin came up to Observatory today and  
 Mr. McCongell went down.

March 26<sup>th</sup>

Fog with showers of snow all day: and  
 considerable drift at night.

Top joint put on ladder stand after  
 14<sup>th</sup> and a fresh Box (with Cry 192677  
 and Wet 192672 and min. 138545) was put  
 out in its first stb, i.e. on the top of  
 the ~~fixed~~ ladder-stand.

Mr. Bruce dug a hole 5 ft deep in  
 the large snow-mass to W<sup>d</sup> of Hotel today  
 with the purpose of determining the vertical  
 distribution of temperature in the snow.

March 28<sup>th</sup>

Heavy fall of snow today.

The mass of snow to NW of Hotel is probably  
 now as high as it has been in the last 10 years:  
 and there is an unusual amount of snow to  
 N<sup>o</sup> of Observatory - a mass rising on Eastern  
 half of Ordnance Cañon fully 3 ft above top  
 of Cañon.

March 29<sup>th</sup>

Clear but cloudy all evening: and passing  
 showers seen in various directions in distance



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Lunar corona on sund. and variously coloured cir-c seen near moon at 22<sup>h</sup>. 138

Bon changed after 13<sup>h</sup>. Dry 535541 wet 535542 and min 1108531 put out. Height not altered.

March 30<sup>th</sup>

Very fine all morning. Humidity 13 at 2<sup>h</sup> and 3<sup>h</sup> and 12 at 6<sup>h</sup>.

Cir-s on sky which gradually thickened into a dull uniform pallium and descended until at 14<sup>h</sup> it was passing the summit as str. fog. A little drizzle of snow fell out of it: and later the temperature rose and mist and a slight drizzle which formed glazed frost settled on the hill top for the rest of the evening.

Aurora seen at 2<sup>h</sup>

It was noticed that while Melfortville, Schellhorn and neighbouring hills were almost free of snow the rest of the country was well covered down to 1400 or 1500 ft.

Snow buntings seen about summit in forenoon and one seen yesterday

March 31<sup>st</sup>

Glazed Frost forming in forenoon. Summit clear at 23<sup>h</sup> and mid. when an aurora was seen.

About 15 visitors in March



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April 1<sup>st</sup>

Sky cloudy or overcast and fog passing summit at times.

Bar shifted after 9 hrs. Dry 192677 Wet 192672 and min 138545. Put out - height not altered.

Mr C. Grant came up and Mr A. Rowlin went down to L.L.O. today

April 2<sup>nd</sup>

Mist or fog nearly all day. Drizzling rain in evening forming glazed frost.

A Lunar Corona was seen at 4 hrs.

Snow buntings were seen about the hilltop today.

Two members of S.M.C made the ascent by the Tower Ridge. They reported that owing to the amount of soft snow on the rocks climbing was somewhat difficult.

April 3<sup>rd</sup>

Fog almost all day with occasional slight showers of snow.

Thermometer box changed after 5 hrs Dry 535541 Wet 535542 and min 110853/4 were put out -

Several buntings and flies seen today

April 4<sup>th</sup> - 8<sup>th</sup>

almost continuous mist and drizzle during these days.

Several Easter Holiday Tourists visited summit including about 30 S.M.C men who climbed the various ridges of N.W. precipice.



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April 9<sup>th</sup>

Mist and fog with drizzle and snow. This seen on surface of snow, and the tracks of a Fox at Plateau of Storms

April 10<sup>th</sup>

Fog and snow — heavy at night.

Thunder heard at 12 Hrs.

Today Mr. W. S. Bruce went down to L.L.O. and came up again arriving on summit about 20 Hrs.

April 11<sup>th</sup>

Fog, snow and a good deal of drift.

April 12<sup>th</sup>

Box changed after 20 Hrs. Coy 192677  
Wet 192672 and Min 138545 put out —

April 13<sup>th</sup>

Box changed after 13 Hrs. Coy 535541  
Wet 535542 and Min 110853 1A were put out.  
Summit clear at times.

April 14<sup>th</sup>

Summit clear most of the day but fog hanging about hill-sides and at times passing. Cloudless after 20 H.  
Aurora with short streamers and well defined arch seen at 23 H and mid-  
Snow buntings were seen about summit today, and several flies were seen on surface of snow.  
Mr. Rankin returned to Eddy and C. Grant went down.



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April 15<sup>th</sup>

Clear and almost cloudless in forenoon  
Fog all evening.

Storied and a Solar Corona seen at -5<sup>h</sup>

Aurora visible at 1<sup>h</sup> and 2<sup>h</sup>

Black Bulls put out on bracket. stand  
on Thermometer Ladder at 9<sup>h</sup>

When clearing snow from Kitchen Chimney  
yesterday the upper part of it gave way.

Today a new piece was rigged on.

Mr. Bruce was down in F.W. in evening and  
when coming up he saw a heron at  
the Lake. This on snow today.

April 16<sup>th</sup>

Mist and Fog with drizzle and hail  
Glazed Frost at 3<sup>h</sup>

Mr. Bruce made descent & ascent of hill in  
evening.

April 18<sup>th</sup>

Fog or mist all day.

Mr. Bruce went down to L.L.O. and A. Grant  
came up here

Thermometer Box changed after 9<sup>h</sup> Dry 192677  
Wet 192677 and min 1108531A put out-

April 19<sup>th</sup>

Mist or fog with some snow and sleet.

till 18<sup>h</sup> Top clear but sky cloudy thereafter.

April 20<sup>th</sup>

Clear but cloudy all morning. fog all  
afternoon.



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April 21<sup>st</sup>

Mist all round below today: and  
 covering summit all morning but sinking at-  
 times in afternoon leaving air dry.  
 Solar Habs seen at 14<sup>th</sup> and 15<sup>th</sup>. Glazed Frost  
 forming at night. Lunar Corona seen at-  
 23 Hrs.

Mr. Bruce returned to Summit and  
 Mr. E. Grant left:

At 12<sup>th</sup> Dry 192677 and Wet-192672 were  
 taken in and Dry 861089 and Wet-861090 were  
 put out. The former set have been giving  
 very unsatisfactory readings for some time.

April 22<sup>nd</sup>

Mist all day: Glazed Frost forming at-  
 2<sup>th</sup>. Snow-bunting (several) seen in afternoon on  
 Summit and below Bucket stage.

April 23<sup>rd</sup>

Summit cleared at 9<sup>th</sup> and continued  
 clear during the rest of the day except-  
 when the Cumulus clouds in their descent-  
 covered it for an hour about 18<sup>th</sup>.

Cloudless after 19<sup>th</sup>.

Thermometer box lowered one step at 2<sup>th</sup>.  
 Snow bunting, and a raven seen about summit  
 and several flies on snow.

Mr. Bruce dug a hole in snow wreath to W<sup>d</sup>  
 of Hotel today down to the rocks: 17 ft deep.  
 Temperatures were taken at every foot, and a  
 uniform temperature of 32° was got throughout  
 the whole depth. Mr. Bruce went down and  
 Mr. E. Grant came up today.



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April 24<sup>th</sup>

Cloudless till 8 Hrs and air very dry.  
 Cloudy: with haze and fog around below  
 till 2 Hrs. Mist thereafter.

Cry into Hotel today and found the  
 registering minimum inside showing 17°3.

Snow-buntings seen at 13<sup>H</sup>

April 25<sup>th</sup>

Mist cleared off after 3<sup>H</sup> but came on  
 again at noon. During the interval the sky  
 was mostly cloudless, but haze and cum-  
 fog filled the valleys around below.

Rain and drizzle all evening.

Snow-buntings seen on Summit.

April 26<sup>th</sup>

Mist with rain or drizzle all day.  
 Glazed frost forming heavily at night.  
Snow-buntings seen at 13<sup>H</sup>.

April 27<sup>th</sup>

Mist or fog all day: with drizzle  
 and Glazed-frost in early morning and  
 heavy snow and snow-hail all evening.

April 29<sup>th</sup>

Thermometer Bon changed after 4<sup>H</sup> Cry 585321  
 Met 535542 and Min: 1108531 put out: height not altered.  
Lunar Corona seen at 1<sup>H</sup>

April 30<sup>th</sup>

Clear occasionally today.  
 Thermometer Bon changed after 11<sup>H</sup> Cry 861089 Met 866090  
 and Min: 138545 put out: Height not altered  
Snow Buntings seen at noon  
 about 2000 Visitors in April



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May 1st.

144

Summit clear till 6 H. and after 2 H. and at times in the interval. Slight showers of snow in afternoon.

Thermometer Box changed after 4 H. Dry 535541 wet 535542 and min 1108531 put out. Box raised one step on ladder stand.

A raven was seen at 11 H.

Mr. C. Grant dug a trench in snow at N end of Observatory today and took the following Observations of snow Temperature:—

	Uncorrected		Corrected
Surface	30°.8	=	30°.8
6 inches down	30.7	=	30.7
1 foot	32.1	=	32.7
2 feet	32.3	=	32.3
3 "	32.2	=	32.2
4 "	32.2	=	32.2

2<sup>nd</sup> a very fine day. Summit clear and visibility 4 and at times 5. Sky cloudy or overcast. Although clear today the air was never very dry. and for several hours it was saturated. Hoarfrost forming in early morning. Aurora seen flashing through breaks in the clouds overhead at midnight. Snow-bunkings seen at 16 Hrs.

May 3<sup>rd</sup>

Summit clear nearly all day: Sky cloudy till 19 Hrs: cloudless thereafter. Thick haze all round below.

Aurora seen at night: at midnight there was a large auroral arch stretching from



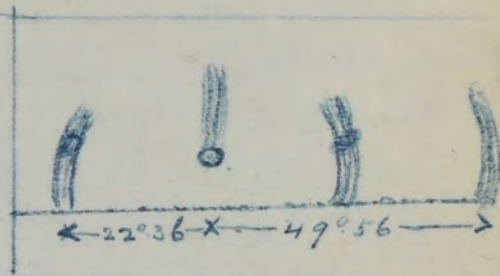
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W. to NE and rising at apex to  $20^\circ$  above the horizon.

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Last night and again tonight. plates were exposed to the aurora to test for Röntgen rays. Exposure varied from 1 to 3 hours. In every case there was not the least trace of a shadowgraph.

After 19<sup>th</sup> when the sun was near horizon portions of halos were seen as in sketch. Also a sun-pillar rising vertically from sun.



Snow-buntings and Ibis  
seen today.

May 4<sup>th</sup>

Aurora seen at 1<sup>th</sup>. Thick haze all around and sky cloudy. but Summit clear and air dry all day.

Ravens seen at 14<sup>th</sup> and 19<sup>th</sup>.

May 5<sup>th</sup>

Mist. or overcast all morning: clearing in evening.

Thermometer box lowered one step at 16<sup>th</sup>.

May 6<sup>th</sup>

A clear sunny day. Haze all round till afternoon. when air to northward began to clear. At 21 Hrs. it was very clear to W, N, & NE but still hazy to S. and SW. At 22<sup>th</sup> and after, the N<sup>th</sup> sky was very clear, and the sunset colours very pure. A and low-sunband were seen in sky. A measurement by Stephenson gave their difference  $1^\circ 54'$ . Out colours seen all night.



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Snow buntings seen on summit frequently today. 146

May 7<sup>th</sup>

Summit clear all day. Sky somewhat cloudy especially in evening.

Thunder and lightning between 15<sup>h</sup> 25<sup>m</sup> and 16<sup>h</sup> with heavy rain.

Thunder clouds and showers were noted to W<sup>o</sup>, N<sup>o</sup> and E till 19<sup>h</sup> but all afternoon there was almost unbroken sunshine on hills to S<sup>o</sup>, SE. and SW.

Fog low in some valleys to NE and E<sup>o</sup> in early morning. Average visibility today 5.0. (max)

Buntings seen in evening. { The max temp today 53° 2 is the highest on record so early in the year.

May 8<sup>th</sup>

Temperature high (43.6 to 51.9) and sky cloudless except for some cumulus about midday and in afternoon.

Fog on Caledonian Canal in morning.

Buntings seen today. and a raven at 14<sup>h</sup>. ~~and a raven~~

May 9<sup>th</sup>

Summit clear; air very clear; and sky ~~clear~~ cloudless almost all day.

Fog on Caledonian Canal and in valleys to E<sup>o</sup> in early morning.

Temperature above 50° for several hours in afternoon.

Air extremely clear to NE in early morning. Bands seen in sunrise colours.

Cups of anemometer on tower mounted after 18<sup>h</sup> and instrument set a-going.

Buntings and flies noted today.



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147

May 10<sup>th</sup>

Sky cloudless all day: Clear all morning but with a change of wind from E, or ESE to S<sup>d</sup> in evening. Thick haze gradually spread all round.

Buntings seen today: and flies and beetles on surface of snow in numbers.

about 30 people up this morn to see sunrise.

May 11<sup>th</sup>

Cloudless: but thick haze all around. Faint and low aurora seen at mid.

Thermometer box lowered after 20<sup>th</sup> one step.

May 12<sup>th</sup>

Sky cloudless all day. Thick haze all around. Almost calm from 9<sup>th</sup> till mid. Today and every day since the 7<sup>th</sup> the afternoon temperature has been above 50°.

Buntings seen today.

May 13<sup>th</sup>

Some cirrus on sky. Thick haze in valleys. Sudden drop in humidity after 22 Hrs. from 89 to 34. Snow-buntings seen in early morning.

Mr. Bruce arrived here and Mr. Rowkin went down to L.L.O today.

May 14<sup>th</sup> Summit clear, but sky cloudy and haze and fog below all forenoon. Mist all evening. Buntings heard at 2 Hrs.



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May 15<sup>th</sup>

148

Sky Cloudy. Fog all around in morning and thin haze in afternoon.

Solar Halo seen at 13<sup>45</sup>

The flexible steel connecting rod of anemometer was found broken at 12<sup>45</sup>

Buntrops. flies and beetles noted on summit today.

The observatory - horse came up today, and reached to the door over the snow.

May 16<sup>th</sup>

Mist. Fog, or Overcast sky.

Buntrops heard singing in Cliffs in morning.

May 17<sup>th</sup>

Mist or fog with slight drizzle till 20<sup>th</sup> Clear but a little cloudy thereafter.

Halos seen at 20<sup>th</sup> a lunar corona at 23<sup>th</sup>

At and for 30 minutes past mid a brilliant Aurora was noted. The arch extended from W. to NE and rose to from 40° to 50° above horizon and sent up numerous bright streamers which converged at Zenith.

Buntrops heard in morning.

May 18<sup>th</sup>

Mist or fog with rain, or drizzle all day. Buntrops about obdy in evening

May 19<sup>th</sup>

Fog. with showers of snow and temperature below 32 all day. A. McDougall up W.S. Bruce  
Aurora to S.E.O.

May 20<sup>th</sup>

Fog or Cloudy sky all day. Box changed after 10<sup>th</sup> Dry 861089 Wet 861090 and time 138545 put out.



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May 21<sup>st</sup> Fog or mist all day.

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May 22<sup>nd</sup>Mist or cloudy sky all day. Glories and  
Solar Coronas seen at 19 Hrs. W.S. Bruce up  
P. Grant downMay 23<sup>rd</sup>Mist or fog with drizzling rain in morning  
and showers of snow at night.  
Thermometer had lowered at 7 Hrs.May 24<sup>th</sup>Clearing in afternoons, Cloudless at night.  
but fog in valleys.Thermometers changed Dry 535541, and Wet 535542  
were put out. Minis not changed.Snow buntings seen, and at 12 Hrs and 15<sup>th</sup>  
a Raven was also seen on Summit.May 25<sup>th</sup>Sky cloudless, but fog below and  
hanging about summit, most of the day.

Buntings seen in early morning.

James Neil, away for holidays today, and  
George Stewart arrived in his place.May 26<sup>th</sup>Very thick haze all round today.  
Lunar Corona at 1<sup>st</sup>a good many insects seen on summit  
today.May 27<sup>th</sup>Very thick haze all around all day.  
Cloudless or almost so all morning, but Cloudy  
at night with detached fog in valleys in  
early morning and at night.



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May 28<sup>th</sup>

Cloudy: but the thick haze of last two days cleared away in early morning and in evening the air was very clear. Visibility being 5.  
 Solar Halo seen at 13 hrs.

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At night some readings were made with the aspiration Psychrometer along side of the instruments in Stevenson Screen.

Buntings seen today: and insects were fairly numerous.

May 29<sup>th</sup>

Summit clear till 5<sup>th</sup> and after 16<sup>th</sup> but enveloped in fog or mist between those times. Glories and fogbows seen on fog in valleys in early morning and after 16 hrs.  
~~Snow all away at port.~~

May 30<sup>th</sup>

Cloudless almost all day. Fog all round in forenoon, and thick haze at night. Some brightness in N<sup>th</sup> sky at 23<sup>hrs</sup> was not distinct enough to make it certain whether it was due to Aurora or Pearly cirrus.

May 31<sup>st</sup>

Almost cloudless till 14<sup>th</sup> but continuous fog all around below which after this rose and enveloped summit for the rest of the day. Glories seen at 4<sup>th</sup>.

Snow-buntings were either seen or heard on every day of the month, and flies etc were almost daily seen on the surface of the snow.



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June 1<sup>st</sup>.

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Mist all morning. clearing in evening. but-  
 sky cloudy and fog below.  
 Dry 192677 Wet 192672. Max 117293 and Min 116918 were  
 put out in the large Summer Stevenson Screen  
 and duplicate readings were begun: but those  
 of dry and Wet in small box continue  
 to be entered on daily sheets.

C. Grant came up here today and R.H.  
 McConagall went down Hotel opened this evening.

June 2<sup>nd</sup>

Mist or fog almost all day.

[Mr. & Mrs. John Murray with Sir John Puller  
 and ~~members of his family~~ visited this  
 Observatory today. They were accompanied by  
 Sir Clements Markham, and several of  
 the officers of the Channel Fleet now  
 visiting Olan and Bellachulish].

June 3<sup>rd</sup>

Sky cloudy all morning, and thick  
 haze seen below all round, Mist all  
 evening.

June 4<sup>th</sup>

Fog or Mist: clearing at times.

Thunder 15<sup>th</sup> to 15:35<sup>th</sup>. Heavy showers of rain  
 in afternoon

June 5<sup>th</sup>

Mist all day with rain all day morning



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June 6<sup>th</sup>

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Clear most of forenoon: Fog all afternoon and rain at night.

Today Mr. W. S. Bruce left the Observatory to join the Jackson-Harmsworth Arctic Expedition and Mr. R. H. McDougle came up here.

June 7<sup>th</sup>

Mist or fog all day.

June 8<sup>th</sup>

Mist all day.

June 9<sup>th</sup>

Fog most of the day: but during clear intervals the sky was seen to have been almost cloudless.

June 10<sup>th</sup>

Fog hanging about hills, and summit today: but sky cloudless in morning.

Duplicate readings of Hygrometers in small and large screens have been occasional made since 1<sup>st</sup> inst. Today the small screen was discontinued, and the readings of the dry and wet in large screen taken and entered in records.

Mr. Randin came up here in evening.

June 11<sup>th</sup>

Summit clear. Sky somewhat cloudy. Detached fog and haze all round below.

Afterglow noted at 22<sup>h</sup>.



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June 12<sup>th</sup>

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Sky cloudy or overcast. Fog on Summit at night. Det. fog and haze all round below. Solar Halo seen at 10:30<sup>am</sup>.  
Two large birds, probably eagles, were seen crossing Blm. Mts in a SE<sup>th</sup> direction about 14<sup>th</sup>.

---

June 13<sup>th</sup>

Very fine and warm. (Max temp 56.2)  
Air dry and slightly hazy. Sky partly covered with cirro-cumulus chiefly.

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June 14<sup>th</sup>

Summit clear all day. Very warm  
max temp 61.3, mean for day 54.9. ~~Thick~~  
Haze all round all day, and some fog in places at night.

---

June 15<sup>th</sup>

Thick haze all round below.  
Temperature high. max being 61.9 and the mean for the day 54.4. Sky somewhat cloudy chiefly with cirrus types.

June 16<sup>th</sup>

Thick haze all round and sky heavily clouded with thundery-looking gloomy Cumulus in morning. Very slight showers of rain during day.  
Mr. Wm. Thomson arrived here and Mr. Chant left.

---



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June 17<sup>th</sup>

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Mist with heavy showers of rain all day

---

June 18<sup>th</sup>

Mist with heavy showers of sleet & rain all morning, slight occasional drizzle at times during rest of day.

Mr. Rankin went down today.

---

June 19<sup>th</sup>

Mist or fog with occasional showers of rain or sleet all day.

---

June 20<sup>th</sup>

Mist or fog with heavy showers of rain sleet & snow all day. St. Elias's fire seen at midnight on wind vane etc. Westerly breezes till noon, northerly for remainder of day.

---

June 21<sup>st</sup>

Cold & misty all day, the temp. varying between the extremes of  $31.7$  &  $34.5$ . Snow fell during the morning to the depth of an inch.

---

June 22<sup>nd</sup>

After a forenoon of northerly air accompanied by mist & fog the wind backed to the south giving a bright & warm afternoon. Halos (red inside) were observed during the afternoon an approximate



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measurement with the theodolite giving a ~~diameter~~  
of  $23\frac{1}{2}^{\circ}$  ~~radius~~

---

June 23<sup>rd</sup>

Mist or fog all day.

---

June 24<sup>th</sup>

Mist or fog most of the day but clear at intervals. Stones & fog bows seen in morning. An approximate measurement of fog bow (red outside) with theodolite gave a ~~diameter~~ <sup>radius</sup> of  $37^{\circ}$ .

---

June 25<sup>th</sup>

Balm & light northerly air accompanied with fog in forenoon clearing up in afternoon with wind backing towards west tho' still very light.

The moon, about 10.30 shortly after rising, appeared as a very flat ellipse.

---

June 26<sup>th</sup>

Very fine sunrise. Shadow of the Ben seen very distinctly between 3 & 4 a.m.

---

June 27<sup>th</sup>

Mist or fog all day with heavy rain at night.

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June 28<sup>th</sup>

Mist all day with occasional showers of sleet.

---



1896 June 29<sup>th</sup>

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Except for short time in early morning when sky clear + partly overcast mist or fog all day. Temp. never above  $40^{\circ}$  + down to  $30^{\circ}$ . 9 at 4 + 5 a.m.

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June 30<sup>th</sup>

Mist with heavy rain all day.

---

July 1<sup>st</sup>

Light N<sup>W</sup> + var breezes today; fog with bright intervals. Mr G. Stewart interim cook left today, & Mr J. Neil returned from his holidays.

---

July 2<sup>nd</sup>

Thin fog most of day but clear and bright in forenoon. Mr J. Matheson who came up yesterday took up the duties of telegraphist today.

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July 3<sup>rd</sup>

Glorious + fine double fog bow seen today at 8<sup>h</sup>. After a bright morning fog came on towards 11<sup>h</sup> + continued with occasional rain all day.

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July 4<sup>th</sup>

Heavy rain today with severe hail showers between 12<sup>h</sup> + 13<sup>h</sup>.



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Mr. Drysdale arrived to assist as an observer, and Mr. Macdonald went down the hill taking the connecting rod & torsion wire of anemometer with him for repair.

July 5

Solar Halo + Glory seen at 9<sup>h</sup>. Hard packed cumuli seen to W at 15<sup>h</sup>.

July 6<sup>h</sup>

At 21<sup>h</sup> a bright red glow was seen to SE

July 7<sup>h</sup>

uneventful.

July 8<sup>h</sup>

Mist all day.

July 9<sup>h</sup>

Mist; baro. rising & temp falling all day.

July 10

Fog bows + glories bet 6<sup>h</sup> & 7<sup>h</sup>. At 10<sup>h</sup> the cirrus cloud streaks lay WNW + ESE. Halos were seen all afternoon. At 12<sup>h</sup> inside radius (red) of the halo was 9° 5' & outside radius 9° 35'. At 20<sup>h</sup> & 21<sup>h</sup> the Outer Hebrides appeared very near & well defined. Afterglow at midnight.

July 11

Foglow at 1<sup>h</sup> & 2<sup>h</sup>. Halo at noon. Haze all afternoon specially dense to W + NW. The 5<sup>h</sup> observation was taken at 5<sup>h</sup> 3.







July 12 Uneventful.

July 13

At 10<sup>h</sup> cir-cumulus clouds were noted. At 11<sup>h</sup> high hard stratus stripes E + W probably formed from previous hours cir-c. The cirrus also observed was much higher. Eagle seen hovering over East End at 17<sup>h</sup>.

July 14<sup>h</sup> Mist.

July 15 At 19<sup>h</sup> double corona seen round reflection of sun in Lochail. Raven at Lower Ridge at 20<sup>h</sup>.

July 16 Shadow of earth + Ben at sunrise. Glories at 6<sup>h</sup> + 7<sup>h</sup>.

July 17 The high cum or cir-c at 12<sup>h</sup> descended forming a stratus at 13<sup>h</sup>.

July 18 Fog bows at 7<sup>h</sup> 8<sup>h</sup> + 9<sup>h</sup>. Fog below to 4000 ft. at 10<sup>h</sup> rising + enveloping summit at 13<sup>h</sup>. Mist remainder of day.

July 22 Mist and sleet all day.

July 23 Very heavy shower of sleet bet. 4:10 & 4:20 p.m. 3-ringed glory and 2-ringed fog bow at 20<sup>h</sup>. At 21<sup>h</sup> a rainbow-coloured arch seen to SE.



presenting an Earth shadow, red outside

Double lunar corona at 11.55 p.m.

Red

July 24<sup>th</sup>

Double glory at 5<sup>H</sup>. Rainbow at 16<sup>H</sup>.

July 25<sup>th</sup>

Fogglow at 2<sup>H</sup>.

at 3<sup>H</sup> beneath a band of cum. s to NNE the sky has a peculiar magenta tint.

July 27<sup>th</sup>

at 17<sup>H</sup> while wind on summit was NE force 2-4 the wind on Carn Mor Dearg + ridge was observed by Mr Brysdale to be W force 4.

July 28<sup>th</sup>

Shadow of Ben at 4<sup>H</sup>. Eagle seen over Aonach Beg about 6<sup>H</sup> 15.

Anemometer in working order + readings started at 18<sup>H</sup>.

July 29<sup>th</sup>

During day a moderate SE<sup>ly</sup> gale up to force 8 was blowing, dying away during forenoon of 30<sup>th</sup>.

July 31<sup>st</sup>

about 20<sup>H</sup> 4 Ravens were seen flying about summit.



August 1<sup>st</sup>

161

Summit clear almost all day and fog on hills to 4000 ft.

A Lunar Corona was seen at 3<sup>h</sup>.

Today Mr Geo. Ednie arrived at Observatory

August 2<sup>nd</sup>

Clear almost all day. Lunar corona seen at 2<sup>h</sup>. Solar Halo at 8<sup>h</sup>. The 7<sup>h</sup> obs. was taken 3 minutes late.

Mr W<sup>m</sup> Thomson went down to L.L.O. today.

August 3<sup>rd</sup>

Mist or overcast sky all day.

August 4<sup>th</sup>

Fog with a few breaks during the day.

Slight showers of sleet & snow in afternoon. Robinson tied from 4<sup>th</sup> till noon.

August 5<sup>th</sup>

Det. fog on hills and fog over Loch Lochy all morning.

August 6<sup>th</sup>

Mist all day

August 7<sup>th</sup>

Squally Northerly winds and drizzling rain all day.



August 8<sup>th</sup>

Mist or fog most of the day.

162

August 9<sup>th</sup>

Fine day with clouds below.  
Mr W<sup>m</sup> Thomson returned to the Obs. today

August 10<sup>th</sup>

Almost cloudless till noon when  
mist came on. Today Mr Drysdale went  
down to the Low Level Observatory.

August 11<sup>th</sup>

Fog sank below level of summit after  
4<sup>hrs</sup> and remained about the 4000 ft.  
level all day.

August 12<sup>th</sup>

Mist all day and heavy showers  
of rain from 6<sup>th</sup> till 14<sup>hrs</sup>.

August 13<sup>th</sup>

The 2<sup>nd</sup> observation was taken 5  
minutes late and the 13<sup>th</sup> was 4<sup>mins</sup> late.

August 14<sup>th</sup>

Mist or fog all day. The 15<sup>th</sup> obs.  
was taken 10 minutes late.

August 15<sup>th</sup>

Slight drizzle in forenoon, fog  
lifted for a few hours in afternoon.



August 16<sup>th</sup>

163

Summit clear in evening.  
Cum-fog among hills all round.

---

August 17<sup>th</sup>

The Barometer fell quickly from  
13<sup>Hrs</sup> till 21<sup>Hrs</sup>, while a strong breeze blew  
from the SE. The minimum thermometer  
in Stevenson Screen was shaken  
Barometer pumping all evening.

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August 18<sup>th</sup>

Mist and heavy showers of  
rain all day

---

August 19<sup>th</sup>

A double Lunar Corona was  
observed at 22<sup>Hrs</sup>

Today Mr. P. S. Hardie arrived to assist  
as an observer.

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August 20<sup>th</sup>

Mr. G. Ednie left the observatory  
today. The 4<sup>Hrs</sup> observation was 3<sup>mins</sup> late.

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August 21<sup>st</sup>

Mist all day, with occasional  
breaks in the afternoon

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August 22<sup>nd</sup>

164

A Lunar Corona was seen  
at Midnight.

August 23<sup>rd</sup>

~~Cumulus~~ Cumulus fog below all day  
Glories were observed at 10<sup>Hrs</sup> and 16<sup>Hrs</sup>  
Solar halos at 15 & 16 Hours and Lunar  
halos at 21 and 22 Hours.

August 24<sup>th</sup>

Temperature fell steadily today  
from 43° at 6<sup>Hrs</sup> to 32° at mid<sup>t</sup>.  
Showers of rain fell during the day  
and showers of sleet & snow at  
night.

August 25<sup>th</sup>

Showers of sleet & snow all day.

August 26<sup>th</sup>

Owing to Temperature being  
below 32° Robinson was tied at  
3 Hrs. and started again at 11<sup>Hrs</sup>

August 27<sup>th</sup>

Mist or fog all day.  
Robinson tied at 22 Hrs



August 28<sup>th</sup>

An inch of freshly fallen snow lay on summit this morning. Robinson started at 9 <sup>hrs</sup>

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August 29<sup>th</sup>

A strong breeze blew the south-west reaching a velocity of 55 miles per hour at mid<sup>l</sup>, and rain fell heavily throughout the day.

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August 30<sup>th</sup>

Squally winds in morning, Barometer pumping till 11 <sup>hrs</sup>

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August 31<sup>st</sup>

Summit clear after 4 <sup>hrs</sup> Cum-f. in valleys to E & S<sup>W</sup>; a glory and fog-bow were observed at 6 <sup>hrs</sup>. The 12 <sup>hrs</sup> observation was taken 12 minutes late.

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Sept 1<sup>st</sup>

Summit clear and sky almost cloudless all forenoon. Mist came on in evening. A Glory was seen at 11 <sup>hrs</sup>. Today Mr. G. S. Bezz arrived to act as an observer.

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Sept 2<sup>nd</sup>

166

Today Mr P. S. Hardie left the  
observatory

Sept 3<sup>rd</sup>

Fog "off & on" all day. Lunar  
corona seen at 4<sup>Hrs</sup>

Sept 4<sup>th</sup>

A Raven was seen near cliff at  
17<sup>Hrs</sup> - Aurora at 23<sup>Hrs</sup>

Sept 5<sup>th</sup>

Fog "off & on" during the day; finally  
sinking below level of summit,  
and leaving sky cloudless after  
18<sup>Hrs</sup>; Glories and a Solar corona  
were observed after 18<sup>Hrs</sup>

Sept 6<sup>th</sup>

Sky cloudless and fog all round below  
till noon, after which fog rose and en-  
veloped summit till 18<sup>Hrs</sup>, when it  
again sank and sky became cloudy

Sept 7<sup>th</sup>

A thin fog cap lay on the hill-  
top, and the air was slightly dry till  
17<sup>Hrs</sup>, when the fog became more dense  
and changed to mist. The 9<sup>Hrs</sup> obs. was 20<sup>mins</sup> late



Sept 8<sup>th</sup>

Fog or mist all day except for a few hours in forenoon when the sky was overcast

167

Sept 9<sup>th</sup>

A fresh south-easterly breeze blew throughout the day, and at 10<sup>hrs</sup> the hand anemometer on roof of tower registered 66 miles per hour

The 3<sup>hrs</sup> observation was started at 3:10<sup>H.M.</sup>

Sept 10<sup>th</sup>

Fog or Mist all day.

Sept 11<sup>th</sup>

A moderate south-easterly breeze blew all day, and light showers of rain fell at times

Sept. 12<sup>th</sup>

Uneventful

Sept 13<sup>th</sup>

Fog passing over summit almost all day. The 5<sup>hrs</sup> observation was 10<sup>mins</sup> late.

Sept 14<sup>th</sup>

Between 22 & 23<sup>hrs</sup> sheet lightning was seen to SSW.

Sept 15<sup>th</sup>

The temperature kept about 32° all morning and showers of sleet, snow and hail fell during the day. Mr. Begg reports snow lying as



as far down as Chrystal's well 168  
Robinson tied at 1<sup>45</sup> and started  
again at 11<sup>45</sup>

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Sept 16<sup>th</sup>

Earth currents in Telegraph  
cable in early morning.  
Thunder and lightning Observed  
after 19 Hours.

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Sept 17<sup>th</sup>

Heavy showers of snow, sleet  
and rain fell during the day

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Sept 18<sup>th</sup>

The temperature remained  
below 32° all day except for a  
few hours about mid day, and  
snow fell heavily during the  
evening. At 4<sup>45</sup> the observer while  
examining and handling Robinson,  
turned one of the cups the wrong  
way. the mistake was rectified at  
5<sup>45</sup>

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Sept 19<sup>th</sup>

Temperature continued below 32°  
at 11<sup>45</sup> snow not lying appreciably  
below 3800 ft. the temp. there was 33.8  
a lunar corona was observed at 21<sup>45</sup>  
and a lunar rainbow at 20<sup>45</sup> 25<sup>mins</sup>  
Robinson was tied at 19<sup>45</sup>

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Sept. 20<sup>th</sup>

169

From 3 to 4 inches of snow lay on summit today. Robinson was let loose at 10<sup>hrs</sup> and tied again at 18<sup>hrs</sup>. A Double lunar corona was seen at 23<sup>hrs</sup> and midn.

Sept. 21<sup>st</sup>

Air very clear, the maximum visibility being observed almost every hour till 18<sup>hrs</sup> after which fog came on from the East. A double lunar corona and a meteor were observed after 2<sup>hrs</sup> and a Solar Halo at 13<sup>hrs</sup>.

Robinson was started at 18<sup>hrs</sup>.

Sept. 22<sup>nd</sup>

Fog remained on summit all day, a fresh breeze sprang up from South-East reaching a velocity of 62 miles per hour at 10:10<sup>am</sup> as registered by the hand anemometer.

Sept. 23<sup>rd</sup>

Mist all day and heavy showers of rain in forenoon and snow in evening.

Robinson tied at 20<sup>hrs</sup>.



Sept. 24<sup>th</sup>

170

The observations at the Hut Station ceased for the season yesterday, and Mr T.S. Muir after spending last night here, left ~~tomorrow~~ for Fort William today.

Sept. 25<sup>th</sup>

Today the temp. did not rise above  $32^{\circ}$ .

The top of the rain measure was broken, it can now measure only  $.350$ .

Sept. 26<sup>th</sup>

The temp. rose from  $28.3$  at  $1^{\text{Hr}}$  to  $38.8$  at  $14^{\text{Hr}}$  and fell again to  $32.4$  at Mid<sup>t</sup> while the wind veered from S. to N.W.

Lunar corona at  $243^{\text{Hrs}}$  Robinson was started at  $11^{\text{Hrs}}$ .

Sept. 27<sup>th</sup>

Temp rose steadily till  $10^{\text{Hrs}}$  and fell from  $38.6$  at  $10^{\text{Hrs}}$  to  $27.9$  at  $11^{\text{Hrs}}$  and remained between  $27^{\circ}$  and  $28^{\circ}$  for the rest of the day.

Sept. 28<sup>th</sup>

Robinson tied at  $11^{\text{Hrs}}$

Temp. between  $27.8$  and  $31.0$  all day.



Sept. 29<sup>th</sup>

Robinson started at 13<sup>14<sup>15</sup></sup>

171

Sept. 30<sup>th</sup>

Mr. R. H. Macdonnell arrived  
at the observatory this evening.

The 8<sup>40</sup> observation was taken 5<sup>15</sup> - late.

October 1<sup>st</sup>

Today the Hotel on the summit  
was closed for the season.

Mr. J. S. Begg left the Observatory

October 2<sup>nd</sup>

Mist all day.

October 3<sup>rd</sup>

Slight showers of snow during  
the day. Robinson was tied at  
2<sup>45</sup> and started again at 20<sup>45</sup>

October 4<sup>th</sup>

Robinson tied at 5<sup>45</sup>

October 5<sup>th</sup>

Snow fell heavily all day.

St. Elmo's fire was observed at 1,345<sup>45</sup>



October 7<sup>th</sup>

172

Thin fog lay over summit during the day, and a fresh southeasterly breeze sprang up in the evening, reaching a velocity of 80 miles per hour about 23<sup>h</sup>, and carrying away most of the snow which had accumulated on the hill-top during the last few days.

October 8<sup>th</sup>

Strong and squally southeasterly breeze veering to south west in the afternoon, and heavy showers of ~~sleet~~ sleet and rain all day.

October 9<sup>th</sup>

Wind veering to North and gradually decreasing in force in the afternoon. Continuous rain and drizzle till noon, after which snow fell.

October 10<sup>th</sup>

Summit clear at times but sky cloudy. Today Mr Miller came up & Mr Thomson left.



October 11<sup>th</sup>

173

At 4<sup>hrs</sup> the temperature in the Stevenson screen was 14° 4.

Summit clear after 7<sup>hrs</sup>, but fog passing. The Aurora was seen at 20<sup>hrs</sup> and the Milky way was very bright.

October 12<sup>th</sup>

Fog all forenoon, but clear and cloudy after 13<sup>hrs</sup> No fog in valleys

but clouds were tipping hills all round.

at 16<sup>hrs</sup> a thermometer box with

Dry<sup>No.</sup> 192677

Wet 192672 was put out on

Min 138545

ladder No 2, and the readings afterwards taken there.

October 13<sup>th</sup>

Sky cloudy or overcast all day. The Aurora was seen at 22<sup>hrs</sup>, and a raven was seen on summit at 17<sup>hrs</sup>.

October 14<sup>th</sup>

The Aurora was again seen at 3, 4, + 22<sup>hrs</sup>



October 15<sup>th</sup>

174

Sky cloudless till noon, after which it became partly clouded with cirro-stratus. Fog lay over Lockie and the Caledonian canal all morning, and also about the hills all day. A solar halo was observed at 15 and 16 <sup>Hrs</sup> and the Aurora at 4, + 22 <sup>Hrs</sup>

October 16<sup>th</sup>

Detached fog on hills all round and haze low down in valleys all day. <sup>Lunar Halo at 20 <sup>Hrs</sup></sup>  
~~Aurora at 3 and 4 <sup>Hrs</sup>~~

October 17<sup>th</sup>

Fog came over summit at 6 <sup>Hrs</sup> and remained there for the rest of the day. Aurora at 3 and 4 Hours

October 18<sup>th</sup>

Clear and sky cloudless from 7 <sup>Hrs</sup> till noon. Det-fog on hills. Fog-bow at 11 <sup>Hrs</sup>. The amount of rainfall at 18 <sup>Hrs</sup> 19 <sup>Hrs</sup> + 20 <sup>Hrs</sup> is interpolated, there being too much snow-drift for measurements to be certain.

The Hon Mr Curzon M.P. and Mr Curzon visited the Observatory today



October 19<sup>th</sup>

175

Drizzling rain and sleet till  
5<sup>h</sup> 45<sup>m</sup> and snow in afternoon.  
Barometer pumping all day.

October 20<sup>th</sup>

Clear most of the day, and fog on  
hills. Bot changed at 11<sup>h</sup> 15<sup>m</sup> DRY 192677  
and min 1385.45 put out.  
Bar. pumping till 4<sup>h</sup> 45<sup>m</sup>

October 22<sup>nd</sup>

Bot changed at 21<sup>h</sup> 15<sup>m</sup> DRY 535541  
and min 1108531<sup>A</sup> put out.  
WET 535542

A lunar corona at 21<sup>h</sup> 42<sup>m</sup> 3<sup>HTS</sup> Two  
ravens were seen at 16<sup>h</sup> 45<sup>m</sup>

Today Mr. Begg returned to the Obs.  
and Mr. Miller went down to L.L.O.

October 23<sup>rd</sup>

Green sky to East at 13<sup>h</sup> 45<sup>m</sup> A  
lunar corona was observed at 1, 4, 5<sup>HTS</sup>  
and a double lunar corona at 6<sup>h</sup> 45<sup>m</sup>  
Glory at 7<sup>h</sup> 40<sup>m</sup>

October 24<sup>th</sup>

The depth of snow measured at  
post A. was 9 inches at 15<sup>h</sup> 45<sup>m</sup>  
Lunar corona at 21<sup>h</sup> 45<sup>m</sup> and a  
lunar halo at midnight



October 25<sup>th</sup>

176

A minimum thermometer was put out on snow on cotton wool last night, and read at  $41.5^{\circ}$  at 9<sup>14<sup>hrs</sup></sup> today.

Solar halo at 10 + 11<sup>14<sup>hrs</sup></sup>

The 12<sup>14<sup>hrs</sup></sup> observation was 5<sup>mins</sup> late

October 26<sup>th</sup>

The cups and arms of the Robinson anemometer were taken in today.

Lunar corona at 3 + 5<sup>14<sup>hrs</sup></sup>

October 27<sup>th</sup>

Box changed at 20<sup>14<sup>hrs</sup></sup> - 25<sup>14<sup>hrs</sup></sup> - <sup>in</sup> DRY 192677 +  
Wet 192672 +  
Minimum 1108531<sup>A</sup> put out. Light not altered

Solar corona at 15<sup>14<sup>hrs</sup></sup> and a lunar halo at 23<sup>14<sup>hrs</sup></sup> + mid<sup>14<sup>hrs</sup></sup>

October 28<sup>th</sup>

Depth of snow at 15<sup>14<sup>hrs</sup></sup> was 16 inches and bulbs 43 inches above snow. a lunar halo at 14 5<sup>14<sup>hrs</sup></sup> and a glory at 9<sup>14<sup>hrs</sup></sup>

October 29<sup>th</sup>

Summit clear most of the day and fog below to about the 200 ft level, occasionally passing over summit. Faint lunar corona at 5<sup>14<sup>hrs</sup></sup>



October 30<sup>th</sup>

177

Showers of snow during the day. The summit was clear for a few hours in the ~~afternoon~~.

October 31<sup>st</sup>

Fog except at 16 + 17<sup>Hrs</sup> when sky was partly clouded + fog passing

about 50 visitors in October

November 1<sup>st</sup>

Fog fell below summit after 3<sup>Hrs</sup>

Sherry ore and a number of the other lights along the west coast were visible at 23<sup>Hrs</sup> and mid<sup>t</sup>. Lunar Corona at 4<sup>Hrs</sup>

a glory round shadow of Ben east on fog over lockail at 8<sup>Hrs</sup>

November 2<sup>nd</sup>

Fog "off and on" all day. Two rainbows were seen on summit at 16<sup>Hrs</sup> H. M.

The 11<sup>Hrs</sup> observation was started at 11:5<sup>m</sup>

November 3<sup>rd</sup>

Summit cleared after 1<sup>Hrs</sup> and sky remained cloudless the rest of the day. A triple glory was observed round shadow of Ben at 8<sup>Hrs</sup> and a double glory was seen at 16<sup>Hrs</sup>



Nov<sup>r</sup> 4<sup>th</sup>

178

Fog all round below to about 3800 ft  
and at 14<sup>hrs</sup> the Cairngorms and Ben Lawas  
only were visible; Glory round shadow  
of Ben at 8<sup>hrs</sup> and again at 16<sup>hrs</sup>

The 9<sup>hrs</sup> observation was 19<sup>mins</sup> late

Nov<sup>r</sup> 5<sup>th</sup>

Fog passing over summit all day +  
at 22<sup>hrs</sup> the Ben became enveloped,

Nov<sup>r</sup> 6<sup>th</sup>

Fog or mist all day

Nov<sup>r</sup> 7<sup>th</sup>

Clear after 9<sup>hrs</sup>; a Fog-bow + glory  
were observed at 8<sup>h</sup> 30<sup>m</sup> and a Solar  
Halo at 10 + 12<sup>hrs</sup>

Nov<sup>r</sup> 8<sup>th</sup>

Sky cloudless since 17<sup>hrs</sup>. faint  
aurora at midt. Thermometer box changed  
at 19<sup>h</sup> 30<sup>m</sup>

Dry 192677  
Wet 192672 put out.  
Min 1108531

Nov<sup>r</sup> 9<sup>th</sup>

Showers of snow & hail fell  
during the day.



Nov<sup>r</sup> 10<sup>th</sup>

179

Mist and very heavy drizzle all day, with temperature between  $32^{\circ}$  &  $35^{\circ}$

Nov<sup>r</sup> 11<sup>th</sup>

Temperature high ( $35^{\circ}$  to  $37^{\circ}$ ) mist and drizzling rain all day.

Nov<sup>r</sup> 12<sup>th</sup>

Mist or fog all day, slight drizzle in the early morning, the temp. fell to  $32^{\circ}$  at 15<sup>hrs</sup> and remained pretty steady for the rest of the day.

Nov<sup>r</sup> 13<sup>th</sup>

Showers of drizzle, sleet and snow during the day; at 15<sup>hrs</sup> the depth of snow on summit was 8 inches.

Nov<sup>r</sup> 14<sup>th</sup>

Light S.W.<sup>ly</sup> breeze in the early morning, backing to S.E. at 7<sup>hrs</sup> and increasing in force to a strong gale at 15<sup>hrs</sup> moderating again towards night.

Nov<sup>r</sup> 15<sup>th</sup>

Three snow buntings were seen on Mr. Lean's steep at 10<sup>45</sup><sup>m</sup>, till now none have been seen for about a month.



Nov<sup>r</sup> 16<sup>th</sup>

180

Sof clear after 9<sup>hrs</sup>, Glory round shadow of Ben at 16<sup>hrs</sup>, Lunar corona at 17 + 19<sup>hrs</sup>; A snow bunting was heard on roof of observatory at 9<sup>hrs</sup> and again at 13<sup>hrs</sup>.

The thermometer boy was changed at 8<sup>h</sup> 30<sup>m</sup>.  
Dry 53.5 54.1  
Wet 53.5 54.2  
Min 13.8 54.5  
put out.

The 11<sup>hrs</sup> observation was 5<sup>mins</sup> late.

Today Mr Clement L. Wragge Director General of meteorology to the government of Queensland, accompanied by Mr Livingston Fort William, visited the observatory.

Nov<sup>r</sup> 17<sup>th</sup>

Clear till 13<sup>hrs</sup>, sky partly clouded with cirrus & cirro-stratus. A lunar corona at 2 + 4<sup>hrs</sup>.

Nov<sup>r</sup> 18<sup>th</sup>

Showers of rain in forenoon and snow and hail in afternoon, clearing at times after 17<sup>hrs</sup>, when high banks of fog were seen floating about hills to east & North East. A lunar corona at 17<sup>hrs</sup>.

Nov<sup>r</sup> 19<sup>th</sup>

Squally SW<sup>ly</sup> winds and surface drift in the afternoon. A thin cap of fog or mist lay on summit all day. Lunar Corona at 1<sup>hrs</sup>.

Barometer pumping at 22 + 23<sup>hrs</sup>.



Nov 20<sup>th</sup>

181

Dog with showers of snow all day

Nov<sup>r</sup> 21<sup>st</sup>

Temperature rose slowly  $32^{\circ}$  to  $37^{\circ}$   
and heavy drizzle fell throughout  
the day except for a few hours about  
mid-day.

Nov<sup>r</sup> 22<sup>nd</sup>

Temp. high and fairly steady  
( $36^{\circ}$  to  $38^{\circ}$ ) mist all day and drizzling  
rain at times.

Nov<sup>r</sup> 23<sup>rd</sup>

Today Messrs W<sup>m</sup> Stewart and G.  
Grant ~~took~~ brought a horse with  
a load of fresh provisions as far as  
the first gorge. The horse was  
tethered there, and the load taken  
to the observatory by instalments.

Nov<sup>r</sup> 24<sup>th</sup>

Sun clear and sky cloudless  
after 13<sup>45</sup> Double solar corona at 16<sup>45</sup>  
and a fog-bow at 15<sup>45</sup> 410<sup>m</sup>. The  
following extra readings of the  
Bar were taken.

Hour	Bar. corrected
9:30	25.946
10:33	25.949
11:30	25.952



Nov<sup>r</sup> 25<sup>th</sup>

182

Very fine all day with fog below, and passing over summit occasionally. Lunar corona at 4, 5, 6, & 7<sup>Hrs</sup>. Solar corona at 9 & 10<sup>Hrs</sup> - glory at 10 & 11<sup>Hrs</sup> - and shadow of Ben with glory at 9<sup>Hrs</sup>.

Minimum No. 138545 was broken while being set at 21<sup>Hrs</sup> and No 1108531<sup>A</sup> was put out at 22<sup>Hrs</sup>

Nov<sup>r</sup> 26<sup>th</sup>

Fog sinking rapidly from about 4200 ft in early morning to 2000 ft at 17<sup>Hrs</sup> and afterwards forming cum. fog and haze in valleys; some cirrus, cirro-stratus and str-haze on horizon all day. Lunar fog-bow at 7<sup>Hrs</sup> - a lunar corona at 1 & 2<sup>Hrs</sup>, Shadow of Ben with glory at 9<sup>Hrs</sup> - & 10<sup>Hrs</sup> -

Nov<sup>r</sup> 27<sup>th</sup>

Fog and thick haze in valleys all morning. Towards evening a high band of fog rose up to E. and came over summit after 20<sup>Hrs</sup> and cleared off again after 23<sup>Hrs</sup> - a lunar halo observed at 1, 2, & 3<sup>Hrs</sup>. Robinson was put out for a few hours, and taken in again at 19<sup>Hrs</sup>. The following Extra readings of Dry & Wet were taken -

Hour	Dry	Wet	Dew point	Humidity
9:30	38.8	27.4	12.2	32
10:35	40.0	28.5	13.7	33
11:35	39.0	27.8	13.0	33
12:35	39.2	27.2	16.1	38
13:35	41.0	32.9	22.7	47
14:35	38.4	31.1	21.3	49



Nov<sup>r</sup> 28<sup>th</sup>

183

Cam-fog on hills all round.

Snowy part  
Ablown down  
A very thin mist was passing over summit  
at times in the forenoon. Fog came on  
after 20<sup>HTs</sup>. Lunar corona at 1, 7, & 8<sup>HTs</sup>  
Fog-bow and glory at 8:40<sup>m</sup>, and shadow  
of Ben with glory at 9 & 10<sup>HTs</sup>.  
Barometer pumping slightly all day.

Nov<sup>r</sup> 29<sup>th</sup>

Thin fog passing all forenoon, but  
sky cloudless after 14<sup>HTs</sup>. Dog-bow at 9:30<sup>m</sup>  
10, & 13<sup>HTs</sup>. Solar corona at 11:50.

Nov<sup>r</sup> 30<sup>th</sup>

Cloudless all day. Thick hoar frost  
in valleys, Fog lay over Lochail and  
the Caledonian Canal all day.

96% of the possible Oshine was recorded  
today. At 8<sup>HTs</sup> 3 eagles? were seen  
flying over glen nevins.

10 Visitors in Nov<sup>r</sup>

December 1<sup>st</sup>

Low ground white with hoar frost.  
Fog lay over Loch Oich all day, and a  
streak of stratus cloud on SW<sup>m</sup> horizon.  
Towards evening fog formed on the hills  
to SE and came on over the Ben  
at 20<sup>HTs</sup>.  
Barometer pumping from 17<sup>HTs</sup> till mid<sup>t</sup>.



Dec<sup>r</sup> 2<sup>nd</sup>

184

Fog and strong SE<sup>h</sup> winds all day  
Barometer pumping slightly all day,  
and the Bar. temperature was very  
unsteady all forenoon.

Dec<sup>r</sup> 3<sup>rd</sup>

Strong SE<sup>h</sup> continued to blow  
today and at times was pretty  
squally, but towards night it  
gradually moderated in force.  
Bar pumping in forenoon.

Dec<sup>r</sup> 4<sup>th</sup>

Summit clear most of the  
day, and very thick haze all round.  
Solar halo seen at 15<sup>h</sup> 14<sup>m</sup>

Dec<sup>r</sup> 5<sup>th</sup>

Snow fell heavily till 17<sup>h</sup> 14<sup>m</sup>  
but owing to the continual drift-  
ing very little of it lies on the  
summit except in wreaths

Dec<sup>r</sup> 6<sup>th</sup>

Fog with a few breaks in the  
forenoon, showers of snow at times



Dec<sup>r</sup> 7<sup>th</sup>

185

Heavy showers of snow during the day. Fog cleared off at mid<sup>d</sup> and sky was cloudless.

Thermometer box was shifted at 0<sup>h</sup> 15<sup>m</sup>.

Dry 192677 Wet 192672 put out.

Dec<sup>r</sup> 8<sup>th</sup>

Sky continued cloudless till 3<sup>h</sup> and the air was very dry, the humidity at 1<sup>h</sup> being 18%. Fog came on at 4<sup>h</sup> and showers of snow & hail fell during the day.

Dec<sup>r</sup> 9<sup>th</sup>

Thick fog all day depositing brown fog crystals. On spare thermometer ladder the fog crystals were about 4 feet long today.

Dec<sup>r</sup> 10<sup>th</sup>

Thick fog all day depositing brown fog crystals. Rather squally winds in afternoon. Slight rise of temperature and showers of snow in evening.

Dec<sup>r</sup> 11<sup>th</sup>

Fog less and triple glory sun at 13:30<sup>m</sup>.

Lunar coronas at 17<sup>h</sup> and 20<sup>h</sup>. At latter hour also a lunar fog bow.

Box changed 14<sup>h</sup> Dry 535541, Wet 535542 put out and  
min 1108571 left out. 8<sup>h</sup> obs. 3<sup>m</sup> late.



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Dec<sup>r</sup> 12<sup>th</sup>

186

Fog all day. Squally SE winds  
in forenoon. Showers of snow at night.

Dec<sup>r</sup> 13<sup>th</sup>

Summit clear most of the day. Haze  
all around and fog low in valleys.  
Glory seen round shadow of Ben on pg  
at 9<sup>th</sup>

Lunar Coronas seen at night.

Temperature falling slowly all day  
Thermometer box changed at 6<sup>th</sup>, but same  
thermometers were left out.

Mr McCongall went down in evening to L.L.O

Dec<sup>r</sup> 14<sup>th</sup>

Mr. D. Grant arrived at observatory today.

Dec<sup>r</sup> 15<sup>th</sup>

Summit clear and sky nearly cloudless  
except near horizon till 7<sup>th</sup>. Fog and showers  
of snow during rest of day. Lunar Coronas  
seen at 1<sup>th</sup> and at and after 20<sup>th</sup>.

Box changed but same set of instruments  
left out at 3<sup>th</sup> 40<sup>m</sup> ~~at~~

Dec<sup>r</sup> 16<sup>th</sup>

Thin fog on summit most of the  
day. Lunar Coronas seen in early morning.

8<sup>th</sup> observation 5<sup>m</sup> late.

Dec<sup>r</sup> 17<sup>th</sup>

Temperature low and falling (18° to 15°). Gusty  
N<sup>w</sup> winds in forenoon causing drift which vitiated the  
range radiations. At 6<sup>th</sup> a lump of frozen ice



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was found in gauge.

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Thermometer-box changed at 19<sup>th</sup>:30<sup>m</sup> by 192677.  
 Wet 192672 were put out. Min 11085314 was left.  
 out (This is the only min to fit into small boxes  
 now at Observatory).

December 18<sup>th</sup>

Cloudless and air dry and clear till  
 11<sup>th</sup> - visibility being 4. or 5. Thin fog, clearing at  
 times the rest of the day.

Raven seen at Bucket stage at 14<sup>th</sup>.

Today Mr. Rankin came up here and Mr Begg  
 left. Bar No 1264 was brought up from Emond's  
 station and hung on a barometer-board  
 fixed on outside of Case of Bar No 1385-

December 19<sup>th</sup>

Clear and almost cloudless after 8<sup>th</sup>  
 the air being dry and very clear, but fog  
 below chiefly to N: NE + E

Glories seen on fog in distance to N<sup>o</sup>  
 at 10<sup>th</sup> + 11<sup>th</sup>

December 20<sup>th</sup>

The N<sup>o</sup> and NE<sup>l</sup> winds of last few days  
 veered this morning to SE and gradually  
 increased during the day to force 6. Air  
 dry and sky cloudless till 9<sup>th</sup> Fog during the  
 rest of the day.

December 21<sup>st</sup>

Strong ESE<sup>l</sup> breeze and fog forming  
 fuzzy crystals. Clearing a little at times at  
 night. Thermometer Box put one step up in  
 on stand 15<sup>th</sup>:15<sup>m</sup>.



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Dec. 22<sup>nd</sup>

Clearing in afternoon.

Lunar coronas seen at night.

Fine flat hexagonal glassy snow crystals falling at 1<sup>st</sup>.Thermometer-bow changed 16<sup>th</sup> 15<sup>m</sup> Dry 535541 and Wet 535542 put out. - Height not altered.Dec. 23<sup>rd</sup>

Summit clear with fog below most of the day. A Pallium of Cir-S worked up from W. and SW in afternoon and covered the sky at and after 21 Hrs. Lunar coronas seen in early morning, and a Glory was seen at noon.

Dec. 24<sup>th</sup>Strong southerly winds in early morning, causing so much snow-drift that rain-gauge was rendered useless. Entries of amount at 1<sup>st</sup> to 4<sup>th</sup> inclusive are interpolations. Mist and drizzle in forenoon forming a thick coat of ice on all exposed surfaces. Snow and hail at night.Dec. 25<sup>th</sup>

Temperature rising all day (22.6 to 32.3). Fog and snow till 16 Hrs. Mist and sleet or heavy drizzling rain thereafter.

Dec. 26<sup>th</sup>Temperature high and rising till 13<sup>th</sup> = 39.1 falling quickly at night. till 18<sup>th</sup> sleet and snow thereafter. (Kitchen roof leaking badly) Telegraph instrument clicking at intervals all evening. (Lightning seen at sea-level) St Elms fire (faint blue light) seen at 23 Hrs.



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Dec 27<sup>th</sup>

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Fog and showers of snow all day.

December 28<sup>th</sup>

Summit clear from 5 hrs till noon. Fog during the rest of the day.

Thermometer box changed after 10<sup>th</sup> dry bulb 192677 and Wet 192672 were put out - height above snow not altered.

A Raven was seen at 11<sup>th</sup>.  
At 1<sup>th</sup> the barometer reading was not taken till 1<sup>th</sup> 10<sup>m</sup>: the outside part of the observation was made at the usual time.

December 29<sup>th</sup>

Barometer falling and Temperature rising all day. Heavy rain fell in evening. Kitchen roof leaking badly at night.

December 30<sup>th</sup>

Mist with high temp (mean 34.2) and heavy rain.

Squally S.W. and W. by wind. causing "pumping" in Barometer most of the day.

December 31<sup>st</sup>

Mist and drizzle forming Glazed Frost all morning. Heavy fall of snow at night.

Sharp turn upwards in Barometer at 21<sup>th</sup>.  
Lightning seen at 18<sup>th</sup> 5<sup>m</sup>. Clicks in telegraph instrument at intervals after 17<sup>th</sup> 30<sup>m</sup>.

None visited Observatory during December.



Barometers.

Nos. 1385 and 1252. The former has been exclusively used for observations during the year, the latter being held as a reserve instrument. During the very high pressure in January a set of comparison readings were made of these barometers.

On Decr. 18<sup>th</sup> the Barometer (No 1864 by Casella) was brought up from Omond's Station, and since then comparison readings have been made of this and No 1385. It has been found that accurate comparison can only be made when the weather is calm or almost so, owing to the pumping action caused by wind - even light wind. (So far as comparison has been made of 32 good observations) the residual difference between the two barometers (1385-1864) comes out - 0.002 inch, No 1385 reading the lower by that amount.

Richards self registering aneroid has been in use, and is in good working order.

Thermometers.

Dry Bulbs 535541 and 192677 with Wet Bulbs 535542 and 192672 were in use, and Dry 861089 with Wet 861090 were held as a reserve set until they were sent down to Omond's Station in August. From June 11<sup>th</sup> to Oct. 12<sup>th</sup> the large Stevenson screen was in use, and during



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the rest of the year the small boxes  
on ladder stand No 2.

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In stormy weather the Tower Screen  
has been in use.

Max: 117293 and Min: 116918 were used in  
the large screen, and Mins: 138545 and  
1108531A in the small screens. No 138545 was  
broken on Nov. 25<sup>th</sup> and since then No 1108531  
has been in continuous use.

Black-Bulla No 186 has been in use chiefly  
in summer, or on fine days with temperature  
above 32°.

The Sunshine records have been got  
from Campbell - Stokes Sunshine Recorder.

Robinson's Cup Anemometer was in use in the  
Summer and Autumn except during the  
time its connecting rod was under repair.  
July 5<sup>th</sup> to 28<sup>th</sup>. The hand anemometer was in  
occasional use - chiefly in high winds.  
The anemograph clock continues the Standard  
Time Clock for Observatory.

The Rainband has been observed daily  
with the small pocket Spectroscope.

The depth of snow ~~has been~~ <sup>was</sup> measured  
at post A till Nov. when it broke, and  
since then at the temporary post. near  
the large Stevenson screen.  
During the year <sup>the</sup> Dust Counter has been  
out of repair, and the Camera has



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been mostly at the Low Level Observatory **192**  
 There has been no break in the routine of  
 hourly observation. Now and again an  
 observation was made a few minutes late,  
 and in stormy weather, the rainfall records  
 were incomplete owing to drift etc. When  
 too stormy to go to thermometer box, the  
 readings of temperature were taken from  
 the thermometer in Tower Screen.  
 The telegraph cable and instrument have worked  
 fairly well during the year.

The Observatory Staff consists of A. Rammie  
 J. Miller R. H. McDougall, and, since August,  
 D. Grant. W. S. Bruce was on the Staff of  
 observers till June 6th when he left. J. Neil  
 has also been on the Staff all the year.  
 Mr. W. Thomson was in charge of Observatory  
 from June 18th till October 10th.  
 Messrs Ogilvie, <sup>Drysdale</sup> Hardie, Ednie and Begg  
 assisted at Observatory during the year  
 as also J. Stewart and W. Stewart.  
 During the months of July August and  
 September public telegrams were sent by  
 a post-office clerk who stayed at  
 the Observatory.

In August the Hut at Lake was enlarged  
 and made into an Observatory - Onond's Station.  
 where Mr. T. S. Muir stayed and made  
 observations during part of August and Sept.



January 1<sup>st</sup>

Fog and showers of snow all day.

January 2<sup>nd</sup>Mist or fog all day. Drizzle and glazed frost in middle of day. — temp:  $30^{\circ}$  to  $31^{\circ}$ . Squally southerly to south westerly winds.January 3<sup>rd</sup>Fog except at 3<sup>rd</sup> when mist and drizzle forming. Glazed frost was noted. Strong southerly winds all day. Heavy fall of snow all evening.January 4<sup>th</sup>Fog in early morning and after 18<sup>th</sup> mostly clear, except for passing scud from fog below at times, in the interval.Ravens were seen at 10<sup>th</sup> and 16<sup>th</sup> and the tracks of a fox were followed from McLean's Creek to East end of Hill.Thermometer box changed at 5<sup>th</sup> 20<sup>m</sup> Dry 535541 and Wet 535542 were put out — height unchanged.January 5<sup>th</sup>

Fog most of the day. ESEly gale blowing at midnight.

Two visitors up today.

January 6<sup>th</sup>

Fog all day — forming dark fog crystals.

ESE<sup>ly</sup> gale all day. Minimum force, 7.At 13<sup>th</sup> the hand-anemometer was held out from lower door and registered 84 miles per hour, on the roof it registered 73.



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January 7<sup>th</sup>

194

Fog forming fog crystals all day.

ESE gale almost all day (at 4<sup>th</sup> and 5<sup>th</sup> force was 4-7 + 2-7)January 8<sup>th</sup>

Fog and ESEly gale all day. At 21<sup>st</sup> the force was 10, and at midnt 11. At former hour lamp was blown out twice. At midnight, the drift consisted of junks of ice and fog crystals, so observer did not go to thermometer box. The reading of the storm thermometer in tower was entered for that hour. Since the gale commenced readings of both towers and outside thermometers have been made, and as they were mostly identical, no correction was applied to the midnight reading.

January 9<sup>th</sup>

Wind blowing hard all morning, but moderating to forces between 5 and 7 in evening. Fog crystals have been steadily growing since the gale began on 8<sup>th</sup> and are now 5 to 6 feet long and on tower over 8 feet.

January 10<sup>th</sup>

Summit clear in forenoon but fog all round, and at times passing about.

Thermometer box changed after 5 Hrs. by 192677  
 Wt 192672 put out - height not altered.

Fog crystals slightly dark today

January 11<sup>th</sup>

Fog all day. Shows of snow till 16<sup>th</sup>.  
 Fog crystals slightly dark today.



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January 12<sup>th</sup>

Fog with a few clear intervals.

Lunar corona and fogbow seen at mid. It was noted that immediately outside the fog bow there was a dark space - distinctly darker than both the bow and the rest of the cloud on which it was formed.

Mr. J. S. Begg arrived here and Mr Grant went down to Fort William. Mr. Stewart was here overnight and went down today.

January 13<sup>th</sup>

Summit clear most of the day, but sky cloudy or overcast. Lunar Halo seen at mid. A distinct fall in temperature since yesterday. Mean yesterday  $25^{\circ}6$  and today  $16.8$ .

Thermometer-box changed after 2<sup>nd</sup> by 535321 and wet 535322 were put out. The minimum was taken in and thawed, and afterwards put out.

Two ravens were seen about the Bucket stage in forenoon.

Mr. Harrison Telegraph engineer, and the district lineman came up today with a telephone to be tied on the B.M. Cable. Mr Harrison had to stay over night. After the telephone was fitted up it worked very well.

January 14<sup>th</sup>

Lunar Corona and fog bow at 3<sup>rd</sup>, and Coronas again at night.

Mr. Grant returned, and Mr Begg & Mr Harrison left. The telephone is working well. Tracks of a weasel seen at Hotel today.



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January 15<sup>th</sup>

196

Clear most of the day, but - fog below in places and sky somewhat cloudy. Thermometer-box changed after 11<sup>th</sup> Dry 192677 and Wet-192672 put out.

W. 1<sup>st</sup> 2<sup>nd</sup> 3<sup>rd</sup> 4<sup>th</sup>  
and 15<sup>th</sup>

[The New Post Office in F.W. was opened today and most of the people attending the ceremony spoke up in telephone].

January 16<sup>th</sup>

Overcast with high stratus all day. Haze all round below, very thick at midnight.

January 17<sup>th</sup>

Thick haze all day. Lunar Corona at 20<sup>th</sup>. A raven seen at Bucket Stage at 13 H.

January 18<sup>th</sup>

Somewhat cloudy and fog at times in forenoon, Clear in evening and cloudless at night. Broken fog below in places chiefly to N, NE & E. Glory seen on distant fog at 16<sup>th</sup>. A great number of foxes' tracks were seen on Canon Darg; and two ravens were seen there. Thermometer Box changed at 12 H. Dry 535541 and Wet-535542 were put out.

January 19<sup>th</sup>

Cumulus fog all round below and occasionally enveloping summit. Lunar Corona seen at 4<sup>th</sup>.



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January 20<sup>th</sup>

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Air very dry at and after 17<sup>th</sup> when all the clouds and fog sank beneath summit. At midn. humidity was 13%.

January 21<sup>st</sup>

Air very dry till 3<sup>th</sup>. Fog thereafter. As the air became saturated the temp of wet-bulb rose to that of dry bulb - then fog was just forming on summit or rising from N. corry. Yesterday when the air became dry by fog sinking the dry bulb rose while the wet continued much the same as it was in the fog.

Lunar Halos seen at 2<sup>nd</sup> and 3<sup>rd</sup> and coronas at 4, 5, 6, 7 of Hrs.

Squally N. winds at night.

January 22<sup>nd</sup>

Very squally N. winds today. Showers of snow in forenoon. Summit clear most of evening.

January 23<sup>rd</sup>

Air became dry suddenly at 18<sup>th</sup> - the dry bulb rising 3°. At 21<sup>st</sup> air was again saturated. The wet bulb rising to temp. of dry bulb. After this hour there seemed to be both fog and mist present on summit. Temp 17. to 19.  
Thermometer box changed afternoon. Dry 192677 and wet-192672 were put out.



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January 24<sup>th</sup>

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At 1<sup>st</sup> the envelope of cloud on Summit seemed to be half fog half mist - as observed last night: and the fog crystals appeared to be partly ice partly snow. Wind WNW and temp 19.3 at 1<sup>st</sup>.

Mist was noted again in forenoon, and sleet fell. Wind N and temp. about 25.°

Snow fell most of the day.

January 25<sup>th</sup>

Very decided fall in temperature this morning. The fall began at 18<sup>th</sup> yesterday when temp was 24.1 and continued till 14<sup>th</sup> today when temp. was 4.0. Thereafter it rose slightly being 8.4 at midl. This 4.0 is the lowest temp observed since 7<sup>th</sup> Feb. 1895. Snow most of the day with squally winds and a good deal of drift.

January 26<sup>th</sup>

Clearing in forenoon but sky cloudy and a hazy appearance noted all around. (perhaps due to snow-dust from strong N<sup>th</sup> winds, and snow at low temp.)

January 27<sup>th</sup>

Fog most of the day. Slight snow showers in morning.

January 28<sup>th</sup>

Fog. and squally NE winds all day



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January 29<sup>th</sup>

Summit clear from 9<sup>h</sup> till 20<sup>h</sup>.  
 Sky cloudy - nearly overcast. At first with  
 cir-sts which fell into str-cir, and later  
 into stratus and nimbus when it touched  
 Summit. For several hours before cloud  
 reached Summit the air was very dry.  
 When the air became saturated the dry  
 bulb continued steady about what it  
 had been during the dry hours and  
 wet rose to temp. of dry.

Thermometer - box changed after 12<sup>h</sup> dry  
 535541 and wet. 535522 put out.

January 30<sup>th</sup>

Fog, snow, and moderate south  
 easterly winds all day.

Fog crystals dark.

January 31<sup>st</sup>

Fog, snow and squally winds. Temp  
 falling. Wind changing through S, W, NW to  
 N and NE.

Two strangers ascended Ben Nevis during January.  
 The telephone has so far worked fairly well  
 and has been extended to L.L.O.  
 N.B. Temperature has never risen to 32° during  
 the month.



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200

February 1<sup>st</sup>

Sky about cloudless till 7<sup>th</sup>. Then Cir-cum-  
formed and was noticed to be gradually falling  
during forenoon until it formed a Stratus at-  
noon and enveloped Summit all afternoon.  
At 10<sup>th</sup> the humidity was 30. The temperature  
was higher ~~after~~ especially that of Wet bulb  
after the cloud came down to Summit than  
it had been earlier.  
Thermometer-box changed after 8<sup>th</sup> by 192677  
and wet-192672 put out.

Mr. W. Stewart came up today, and Mr. J.  
Neil went down to L. L. O. for a few days.

February 2<sup>nd</sup>

Fog till 13<sup>th</sup>. Clear but air saturated  
after that. Sky partly covered with Cir-c  
moving from WNW (Wind here Ely) and later  
with Cir-s whose radiating points were W. & E.

February 3<sup>rd</sup>

E or ESE steady breeze all day.  
Almost cloudless but air saturated till 13<sup>th</sup>.  
A stratus or sand cloud over Ben till 16<sup>th</sup>.  
Fog thereafter. Observation 10 mins. late at 3<sup>th</sup> no  
corrections applied to readings.

February 4<sup>th</sup>

Strong SE or ESE winds all day increasing  
to a moderate gale at midt



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February 5<sup>th</sup>

201

The Gale continued till 3 am moderating in force thereafter. Summit clear at intervals after 3 pm and air slightly dry after 9 pm. Slight showers of snow fell in the forenoon.

To-day James Miller & James Neil came up and Angus Rankin and Wm Stewart went down.

February 6<sup>th</sup>

Fog or overcast sky till 22<sup>nd</sup> sky becoming clearer and cloudless at midt. Air slightly dry from 1 till 5 am at 15<sup>hrs</sup> and again after 19<sup>hrs</sup>.

February 7<sup>th</sup>

Sky perfectly cloudless and air pretty dry till 11 am. Fog below all round to about 3000 ft at 7 am but rising there after and at 12<sup>hrs</sup> Summit was enveloped continuous fog since.

Gloves seen at 8. 9. & 10<sup>hrs</sup>

8<sup>th</sup> February

Mist from 7<sup>th</sup> till 14<sup>hrs</sup> and a gain from 21<sup>st</sup> on till midt. Temperature ranging from 27.7 to 29.7. All exposed surfaces being coated thickly with ice. Showers of snow sleet & drizzle.



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February 9<sup>th</sup>

202

Temperature between 25.4 + 30.0 with mist and drizzling rain till 5 am temperature falling steadily the rest of the day with fog ~~the rest of the day~~ and showers of snow. Summit clearing at times at 23<sup>hrs</sup> but sky apparently pretty cloudy

February 10<sup>th</sup>

Summit clear from 8<sup>am</sup> till 10<sup>am</sup> but sky overcast, clear again and sky almost cloudless except for a little cir at 22<sup>hrs</sup> + 23<sup>hrs</sup>. Fog on again at 11<sup>am</sup> Sun or Corona seen at 23<sup>hrs</sup>

Bot changed at 22<sup>hrs</sup> 15<sup>min</sup> Thermometer put out were <sup>dry No 5-35541</sup> wet 5-35542 Min not changed

February 11<sup>th</sup>

Thin fog till 8<sup>am</sup> sky cloudless times except for thin fog passing over summit frequently. Fog all round below to about level of Ben Nevis. At 22<sup>hrs</sup> fog had completely disappeared. Air dry in the afternoon. Corona seen at 1.2 + 2.1<sup>hrs</sup> Fog bows seen at 1.2 + 14<sup>hrs</sup> Today telegraph line man came up to look after cable bell of Telephone



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February 12<sup>th</sup>

203

Sky cloudless all day except for a little Cir in the morning and afternoon

Thick haze all round below all day. At 21<sup>pm</sup> cum fog above haze to W and at 22<sup>pm</sup> fog passing thereafter settling down on Summit. Temperature showing considerable range 20.0 to 32.6; also it is the first time the temperature has been at 32° since 31<sup>st</sup> December 1896. Air very dry all day the Humidity being as low as 14 p.c at 7<sup>th</sup>. Lunar Halo seen at 20<sup>th</sup> + 22<sup>hrs</sup>

February 13<sup>th</sup>

Temperature all day, rising from 30° to the freezing point at 10<sup>am</sup> and very steady all afternoon. at or slightly above 34°. Mist all day with slight showers of drizzle<sup>in</sup> after noon.

Glazed frost forming till 10<sup>hrs</sup>

February 14<sup>th</sup>

Temperature at or above 32° till 21<sup>hrs</sup>. Mist all day with showers of drizzling rain and sleet. Glazed frost forming after 21<sup>hrs</sup>. All exposed surfaces having a thick coating of ice.



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February 15<sup>th</sup>

204

Mist or fog all day except at 6+7<sup>hrs</sup> =  
 sky almost cloudless but mist  
 below all round & about level  
 of Summit & passing at times  
 slight showers of drizzling rain  
 during the day. Temperature  
 very steady all day being between  
 29.1 & 31.6. Glazed frost forming almost  
 all day.

February 16<sup>th</sup>

Fog crystals (white) forming in forenoon  
 Temperature pretty steady between 29 & 32 all day  
 drizzling rain after 21<sup>st</sup>. Glazed frost forming  
 all afternoon.

Mr Turner Post Office Engineer and Telegraph  
 Lineman came up today to put Call bell  
 of Telephone in good working order. Telegraph  
 Instrument is now out of circuit in all  
 three station. Viz Ben Nevis, Post Office and  
 Low Level. So that now the Telephone is ~~the~~  
 the only means of communication at  
 present also extra battery power has been  
 added. (Two more cells) for efficient working  
 of Telephone. The Code signal for calling up  
 anyone station are the following. One ring for Summit  
 Two rings for Post Office & three rings for Low Level.  
 Six visitors up today



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February 17<sup>th</sup>

205

Summit clear frequently between 13<sup>hrs</sup> + 16<sup>hrs</sup> but sky somewhat cloudy with cirrus. Showers of drizzling rain till 10<sup>hrs</sup> and again at midt. Glazed frost forming till noon and at midt.

February 18<sup>th</sup>

Rather squally W + SW winds till 16<sup>hrs</sup> moderating and veering to NW after 18<sup>th</sup>. Showers of snow, sleet and drizzle. Glazed frost forming the greater part of the day.

February 19<sup>th</sup>

Temperatures high all day. Between 5 + 6<sup>hrs</sup> there was a sudden rise from 28.2 to 35.1 and continued rising slowly there after, the Max for the day being 37.0. The temperature observations in the afternoon are the highest since the 26<sup>th</sup> Dec<sup>r</sup> last. Summit clear at 3 + 4 but sky overcast and det cum-fog on hills around. Mist since with showers of drizzle + rain. Strong squally winds all day chiefly SWly. Barometer pumping in the afternoon.



1897

February 20<sup>th</sup>

Light W. & NW<sup>ly</sup> winds till 13<sup>th</sup> backing  
to SW + S till 23<sup>hrs</sup> increasing in force +  
squally, veering to N at mlt. Mist and  
fog all day with showers of sleet + snow  
Snow drifting about a good deal in  
the afternoon. Barometer pumping  
till 2<sup>hrs</sup> and again after 17<sup>hrs</sup>  
Earth currents in Telephone strong at  
times in the afternoon

February 21<sup>st</sup>

Wind variable but chiefly N<sup>ly</sup>  
all day squally till 4<sup>th</sup> light breezes since  
Temp falling till 2<sup>th</sup> rising steadily since  
a good thaw set in after 22<sup>hrs</sup> Temp at  
mlt being 34° Showers of snow till 17<sup>th</sup>  
rain since Summit clear at 3<sup>th</sup>  
but the clouds tipping hills all round

Bar pumping till 4<sup>hrs</sup>

February 22<sup>nd</sup>

Mist with heavy rain all day  
Temperature being between 32.7 + 35.9  
Light N<sup>ly</sup>. NW<sup>ly</sup> + W<sup>ly</sup> breezes all day



1897

207

February 23<sup>rd</sup>

Heavy showers of rain sleet + snow. Over  $\frac{1}{4}$  of an inch fell per hour at 9. 10. 15. + 16<sup>hrs</sup>. The total fall for these hours being 1.236 inches. Variable W + SW<sup>ly</sup> winds strong and equally ~~from~~ from 10<sup>hrs</sup> to 16<sup>hrs</sup>. Barometer pumping from 10 to 16<sup>hrs</sup>.

Today Stewart came up with a horse + fresh provisions to foot of McLean's steep. from there load was brought to the observatory on a sledge

February 24<sup>th</sup>

Squally W + SW<sup>ly</sup> winds with heavy showers of snow in the afternoon. Barometer pumping after 10<sup>hrs</sup>.

February 25<sup>th</sup>

Very heavy showers of snow fell till 5<sup>hrs</sup> + heavy rain thereafter. The maximum fall occurred at 10<sup>th</sup> the amount being 0.559 inches and the total fall for the 24<sup>hrs</sup> being 4.519 inches. Today's rainfall is the greatest since the 6<sup>th</sup> Feb 1894. Strong squally W + SW<sup>ly</sup> winds all day. Barometer pumping all day



1897

February 26<sup>th</sup>

208

Very heavy rain all morning  
and slight showers of snow in afternoon.  
Max hourly fall 0.461 inch at 1<sup>st</sup>

Temperature falling all day from  
37.2 to 20.3. Very strong squally W + NW  
winds in early morning. Summit  
clear for a short time at 23<sup>45</sup>  
but sky almost overcast. Aurora  
seen at 23<sup>45</sup>. Barometer pumping  
till 19<sup>45</sup>. Thermometer not changed  
at 23<sup>15</sup> by 192677 bet 192672 put out  
+ Min 1108531 A left out

February 27<sup>th</sup>

Slight showers of snow all day  
Snow Bunting seen at Buckle stage at 12

February 28<sup>th</sup>

Strong SE breeze in the afternoon and  
brown fog crystals forming from the fog. Summit  
clear but sky pretty cloudy and fog on hills in  
distance. Air slightly dry at 10<sup>45</sup>. Slight showers  
of snow in afternoon. Barometer pumping from  
12 till 18<sup>45</sup>. Strong Earth currents in Telephone during evening.  
Six strangers ascended Ben Nevis during February



1897

March 1<sup>st</sup>

209

Heavy showers of snow all day  
 March 2<sup>nd</sup>

A gale from SE almost reaching  
 hurricane force in the afternoon

Wind veering to SW + W and moderating  
 in force after 17<sup>hrs</sup>. Barometer falling  
 rapidly all day. Tower Bot in use  
 at 15 + 16<sup>hrs</sup>. No correction applied to it  
 as it read almost the same as  
 Stevenson screen double readings  
 having been taken previous to these  
 hours and afterwards. From 15 to 18<sup>hrs</sup>  
 inclusive measurements of amount  
 are interpolations. Apparently snowing  
 heavily in afternoon. Barometer  
 pumping from 13 to 17<sup>hrs</sup>

During the height of the gale slight damage  
 was done. The collar round + half way up  
 Kitchen Chimney (the part that stays are  
 fixed to) gave way. The chimney was  
 also somewhat off the plumb but was  
 put right in the evening. Ventilator in  
 Kitchen passage was blown down and  
 all the roofing of snow-porch was carried away



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March 3<sup>rd</sup>

210

Fog till 5<sup>hrs</sup> Summit clear and sky almost cloudless except for a little cir. and fog on hills in the distance. Fog came on again at 7<sup>hrs</sup>. Stars gleaming at 23<sup>hrs</sup> and the streamers of an Aurora seen.

Slight showers of snow fell in afternoon. Today a Thermometer in Iron Case was broken N<sup>o</sup> 50945 or Kew N<sup>o</sup> 20688

March 4<sup>th</sup>

Strong S<sup>E</sup><sup>1</sup>/<sub>2</sub> Gale from 7<sup>hrs</sup> to 13<sup>hrs</sup>. Moderating in force thereafter. Tower Bot in use from 8 to 11<sup>hrs</sup> inclusive. No corrections applied to readings. Readings were taken from Tower Bot and Stevenson bot when the storm began and both were reading almost the same. Fog all day with slight showers of snow in the afternoon.

March 5<sup>th</sup>

Summit clear from 6<sup>hrs</sup> to 13<sup>hrs</sup> except for a little fog passing at times. Sky slightly clouded with cir. but fog around & lower layer of cum-f lying over Lochiel and Caledonian Canal.



1897

211

Barometer rising briskly. Light N<sup>W</sup> air  
or calm all day. Coronae seen at  
6<sup>h</sup> + 12<sup>h</sup> and Glories at 8<sup>h</sup>

Thermometer bot changed at 7<sup>h</sup> 15<sup>m</sup>  
dry 535541 wet 535542 put out. Same  
Min left out.

Today Lineman came up  
Telegraph instrument was put in  
circuit again and Telephone  
was taken down

March 6<sup>th</sup>

Very variable winds chiefly N<sup>W</sup> + E  
and somewhat squally. Occasional  
slight showers of snow during the day

Barometer pumping after 18<sup>h</sup>

March 7<sup>th</sup>

Summit clear from 6 till 15 but  
sky somewhat cloudy with cum. Fog  
on hills all round and passing over  
hill-tops frequently. Light N or NE<sup>W</sup> air  
or calm till 7<sup>h</sup>. Moderate SE<sup>W</sup> breeze since

Bot changed at 10:15 dry 192677 wet 192672  
put on. Same Min left out



1897

March 8<sup>th</sup>

212

Strong SE<sup>1</sup> winds all day increasing to gale force in the evening. Summit clearing at times in the afternoon. Fog-crystals growing rapidly all day brown in colour.

March 9<sup>th</sup>

SE<sup>1</sup> gale moderating after 1<sup>1</sup><sub>2</sub> wind veering to S + SW after 5<sup>4</sup><sub>30</sub> backing again after 17<sup>4</sup><sub>30</sub> to SE and increasing to a strong gale by 22<sup>4</sup><sub>30</sub> moderating in force thereafter. Showers of snow in the forenoon and heavy showers of hail in the evening. Fog all day forming dark fog crystals. Strong Earth currents in Telegraph Cable between 20 + 21<sup>4</sup><sub>30</sub>

March 10<sup>th</sup>

Wind veered after 1<sup>4</sup><sub>30</sub> to W + NW light breezes all day. Heavy showers of snow almost all day.

St Elmo's fire seen at 1<sup>4</sup><sub>30</sub> on Kitchen chimney and on Top of Tower.



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March 11<sup>th</sup>

213

Wind backed to SE after 9<sup>hrs</sup> and increasing in force to a moderate gale in the evening. Slight showers of snow in the early morning.

March 12<sup>th</sup>

Strong gale from SE till 5<sup>th</sup> backing to ESE and E-S. Max force (10-11) + min force (5-7).

Slight showers of snow fell from 7<sup>th</sup> till 17<sup>hrs</sup>. but no rain gauge out all day. The measurements of amount from 7<sup>th</sup> till 17<sup>th</sup> are interpolations. Tower screen in use at 4<sup>th</sup> 5<sup>th</sup>. 7<sup>th</sup> 8<sup>th</sup> 9<sup>th</sup> + 10<sup>hrs</sup>. The following double readings were taken

hrs	Stevenson	Tower	Diff	hrs	Stevenson	Tower	Diff
1	25.9	25.3	+ .6	13	24.7	24.0	+ .7
2	25.2	24.7	+ .5	14	24.8	24.2	+ .6
3	23.3	22.9	+ .4	15	24.0	24.2	- .2
6	24.7	24.0	+ .7	16	23.8	24.0	- .2
11	24.8	24.0	+ .8	17	23.8	23.8	.0
12	24.7	24.0	+ .7				

Giving a mean correction of +0.4 which was applied to the tower readings at each hour as the Stevenson screen was not read. Dry & Wet Bulbs changed only at 14<sup>th</sup> 5<sup>th</sup> by 53.5541 but 53.5542 were put out.

March 13<sup>th</sup>

Strong SE<sup>ly</sup> breezes all day. Slight showers of snow fell after 7<sup>th</sup>. Fog crystals forming all day.



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March 14<sup>th</sup>

214

Strong ESE+SE breezes all day  
squally in evening. Slight showers of  
snow fell in early morning, at 11<sup>th</sup>  
the amount was interpolated, no  
gauge being out during that hour.  
Barometer pumping all afternoon

March 15<sup>th</sup>

Summit clearing at times ~~but~~  
~~star~~ in forenoon but sky apparently  
pretty cloudy. Strong squally E<sup>ly</sup> winds  
all day. Barometer pumping almost all day

March 16<sup>th</sup>

Heavy showers of snow in the  
afternoon. Today Mr Mc Donnell came  
up here and S. Grant went down to L.L.O.

March 17<sup>th</sup>

at Midnight when the observer was  
out taking the observation + half way between  
Tower + Thermometer lot a small dark  
object rose up from the surface (a bird)  
probably and flew off in the direction of  
the cliff. The spot it rose from there was  
a hole scooped out sufficient to shelter a small  
bird.



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215

March 18<sup>th</sup>

Wind very variable chiefly W<sup>2</sup>  
 Temperature today has shown very little  
 range and much milder than any  
 other day during the month. The max  
 being 31.0. Heavy showers of snow and  
 sleet all day.

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March 19<sup>th</sup>

Fog all day with heavy showers of snow

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March 20<sup>th</sup>

Thin fog all forenoon and summit  
 clearing at times between 8 + 10<sup>hrs</sup> but sky  
 apparently overcast with cirro-stratus  
 There was a sudden rise of Temp  
 between 21 + 22<sup>hrs</sup> from 26.5 to 30.2 at the  
 same time wind had veered from  
 SE to S + SW thereafter. at Mt. Temp  
 had reached the freezing point for  
 the first time this month

Thermometer bot changed at 8.15<sup>hrs</sup>  
 No<sup>o</sup> by 192677 bet 192672 put out. Same  
 min left out. Bot was raised  
 one step on ladder. Height above  
 snow 51 inches

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March 21<sup>st</sup>

216

A fine thaw. Temperature above  $32^{\circ}$   
all day with showers of rain + drizzle

March 22<sup>nd</sup>

Mist all day with heavy rain  
Temp has been above the freezing point  
all day raining from  $32.2$  to  $36.4$

March 23<sup>rd</sup>

Variable squally N + NE<sup>4</sup> winds till 14<sup>hrs</sup>  
backing thereafter, and SE at 20<sup>hrs</sup> and increasing  
in force to a fresh gale at midnight

Mist with heavy showers of sleet and rain  
till 11<sup>hrs</sup> Sunmit clear and air slightly  
dry from 17<sup>th</sup> till 19<sup>hrs</sup> sky overcast and ugly  
appearance with hard packed cum-sts  
clouds. but fog in valleys around and  
somewhat hazy in the distance.

Glazed frost forming from 3<sup>th</sup> till 6<sup>hrs</sup>

Barometer pumping till 5<sup>hrs</sup>

March 24<sup>th</sup>

Strong squally variable W. + NW<sup>4</sup> winds with  
heavy showers of rain sleet + hail all day.  
Brilliant display of St Elmo's fire seen on top of  
kitchen chimney and instruments on roof



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of Tower. The jets of light seen on all 217  
objects were fully 2 inches long..

Barometer pumping all day

March 25<sup>th</sup>

Light N+NW<sup>1</sup> winds till 21<sup>hrs</sup> SE<sup>1</sup> since  
Mist or fog all day with showers of snow sleet + drizzle

March 26<sup>th</sup>

Strong SE<sup>1</sup> gale till 11<sup>hrs</sup> wind veered  
thereafter to SW and moderating in force  
backing again to SE after 20<sup>hrs</sup> and fell  
calm at 23<sup>hrs</sup> light N<sup>1</sup> air at mlt. Slight  
showers of snow fell during the day.

Fog-crystals forming in the early morning  
Barometer pumping from 6<sup>th</sup> till 11<sup>hrs</sup>

March 27<sup>th</sup>

Mist or fog all day with showers  
of snow and sleet

March 28<sup>th</sup>

Summit clear at 6<sup>th</sup> but sky overcast  
with cum-S and fog on hills all round  
Slight showers of snow during the day  
Light W to NW<sup>1</sup> winds in early morning  
and squally N to NE<sup>1</sup> in the afternoon



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218

March 29<sup>th</sup>

Fog till 11<sup>th</sup> Summit clear since.  
 Sky pretty cloudy till 19<sup>th</sup> almost cloudless  
 since. Heavy shower clouds in the  
 afternoon to N. E. & S. Air Sat all day  
 Temperature low and falling all day  
 from 18.7 to 10.2. Aurora seen at  
 21<sup>th</sup> 22<sup>th</sup> & 23<sup>th</sup>. Barometer pumping till 5<sup>th</sup>  
 and again after 20<sup>th</sup>. A Raven seen  
 at Bucket stage at 16<sup>th</sup>.

Thermometer Bot changed at 13.15<sup>th</sup>  
 No<sup>o</sup> by 535541 wet 535542 put out. Same  
 Min left out. Height above snow 48 inches

March 30<sup>th</sup>

Summit clear almost all day but  
 sky overcast or nearly so till 20<sup>th</sup> cloudless  
 since. Cum fog hanging about hills  
 around all day and passing over  
 Summit frequently during the day.  
 Temperature has been pretty low ranging  
 from 18.2 to 10.3 and air saturated  
 all day. Light N and NE breezes till  
 10<sup>th</sup> almost Calm since. Air very clear  
 after 22<sup>th</sup>. Barra Head Skerryvore and  
 Tobermory lights seen distinctly. Aurora  
 seen at 2<sup>th</sup> & 23<sup>th</sup> & a Solar Halo seen at 15.20<sup>th</sup>



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March 31<sup>st</sup>

219

Sky cloudless till 6<sup>th</sup> somewhat cloudy till 21<sup>st</sup> and again cloudless since. The air has been slightly dry almost all day and very clear. Fog hanging about hills to NE & E all day! This has been the finest day of the month with about 8<sup>hrs</sup> sunshine. Heather burning in distant valleys all round Amora seen at 21<sup>st</sup>, 22<sup>nd</sup>, 23<sup>rd</sup> & Mt

No Visitors during the month

April 1<sup>st</sup>

Sky cloudless till 1<sup>st</sup>. Fog since with occasional sunny intervals in the forenoon and afternoon. Slight showers of snow fell in the early morning and afternoon. Strong N and NE winds all day. Barometer pumping in the afternoon.

April 2<sup>nd</sup>

Summit cleared at 7<sup>th</sup> but sky partly cloudy at times and fog passing in the forenoon. A good deal of haze in the afternoon probably due to the burning of heather in the valleys around. Air slightly dry between 11<sup>th</sup> & 20<sup>th</sup>.



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220

The fog came on again after 22<sup>hrs</sup>  
 Light N or NE<sup>1/2</sup> winds or Calm till  
 17<sup>th</sup> backing to SE since.

Aurora (faint) seen at 1<sup>th</sup>

The Black Bull Max No. 186 was put out  
 today. It read 123.6 corrected.

~~March~~ 3<sup>rd</sup> rel  
 April

Fog all day except at 17<sup>th</sup> but  
 sky cloudy and haze in valleys  
 Strong ESE<sup>10</sup> winds all day increasing  
 to a moderate gale in the evening  
 Temperature fairly low all day and  
 steady 14 to 19. Slight showers of snow in  
 early morning and afternoon

April 4<sup>th</sup>

Fog & overcast sky all day  
 air slightly dry from 13<sup>th</sup> till 20<sup>hrs</sup>  
 SE or ESE<sup>1/2</sup> winds all day strong till  
 4<sup>th</sup> but moderate breezes since

April 5<sup>th</sup>

Sky cloudless till 4<sup>th</sup> but thin fog passing  
 and at 5<sup>th</sup> fog had settled on summit; but  
 clearing again at 11<sup>th</sup> and sky almost  
 cloudless till 14<sup>th</sup> but cloudy till 19<sup>th</sup> fog  
 then after. Haze in valleys all round  
 getting thicker in the afternoon. ESE<sup>1/2</sup> winds  
 all day. Strong in the evening. Aurora  
 seen at 2<sup>th</sup> but pretty faint



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April 6<sup>th</sup>

221

Summit frequently clear in the morning and showing the sky only slightly covered with cloud. Strong ESE<sup>4</sup> winds till 6<sup>th</sup> SE<sup>2</sup> thereafter and moderating in force. Fog crystals dark forming all day. During a break in the fog at 3<sup>th</sup> the Aurora was seen

April 7<sup>th</sup>

Fog all morning forming fog crystals. Clear all evening but very thick haze all around below.

Raven and Bunting seen at 18 Hrs.

April 8<sup>th</sup>

Thick haze again today. Mr J. S. Begg arrived at Observatory to carry on some experiments in hygrometry. Mr. Miller went down to Low Level Observatory

April 9<sup>th</sup>

Thin fog all day.

Mr S. Grant came up to relieve Mr R.H.M. Dwyer for a few days.

April 10<sup>th</sup>

Clear most of the day but fog hanging about Summit and surrounding hills. A Lunar Halo was seen at midnight. Thermometer box changed but same set



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of thermometers left out. (11<sup>h</sup> 30<sup>m</sup>)

222

Raven seen at 13<sup>th</sup>

Heath's burning in various directions these days.

April 11<sup>th</sup>

Summit clear - sky cloudy, haze and detached fog below all forenoon. Fog all evening.

Lunar Halo at 1<sup>st</sup>J. Neil saw a spider in kitchen at 7<sup>h</sup> 55<sup>m</sup>.April 12<sup>th</sup>

Fog, mist, hail and sleet.

Thermometers and box changed at 13<sup>h</sup> 20<sup>m</sup> dry  
~~bulb~~ bulb 535541 wet 535542 were put out.Today Mr. R. H. Macdonnell returned to obsky. and  
Mr. J. Grant left.April 15<sup>th</sup>During 13<sup>th</sup> 14<sup>th</sup> and today the summit  
has been covered with fog or mist, - snow  
hail and sleet falling heavily.Thunder and lightning at 18<sup>h</sup> 30<sup>m</sup> and Thunder at  
18<sup>h</sup> 55<sup>m</sup> accompanied by clicks in the  
telegraph instrument.April 16<sup>th</sup>

Fog and showers of snow all day.

Earth currents in telegraph instrument at 3<sup>h</sup>Thermometers and box changed at 15<sup>h</sup> 15<sup>m</sup> dry 192677  
and wet 192672 were put out.

Today Mr. A. Ransie arrived here.



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April 17<sup>th</sup>

Fog and snow all day. The 4<sup>th</sup> obs<sup>n</sup> was made at 4<sup>h</sup> 3<sup>m</sup>.

April 18<sup>th</sup>

Fog, with occasional breaks and showers of snow all day.

April 19<sup>th</sup>

Fog and snow all day. The 16<sup>th</sup> observation was made at 16<sup>h</sup> 3<sup>m</sup>.

April 20<sup>th</sup>

Summit clear almost all day. Sky cloudless from 2<sup>h</sup> till 9<sup>h</sup>. Cloudy during the rest of the day. A triple solar corona was seen from the Plateau of Storms at noon.

Thunder heard at 17<sup>h</sup> 40<sup>m</sup>.

Raven seen at 14<sup>h</sup>.

Thermometer box changed at 2<sup>h</sup> 20<sup>m</sup>. The fresh box being put one step higher on ladder stand. Dry bulb 535541 and wet bulb 535542 were put out.

Mr. Ramsay went down to Low Level Observatory this evening, to let Mr. Miller to Edinburgh for a few days.

April 21<sup>st</sup>

Summit clear except for a few hours in the forenoon.

Thermometers changed dry bulb 192677 and wet bulb 192677 being put out at 14<sup>h</sup>.



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April 22<sup>nd</sup>

224

A very fine day. with air very clear and dry and sky cloudless almost all day.

Bunting seen at 16<sup>th</sup>

April 23<sup>rd</sup>

Summit clear and sky cloudless almost all day. Fog and haze in valleys in forenoon but by 11<sup>th</sup> the fog had all risen and vanished. ~~A red light was seen over shoulder of Carn Mor Dearg at 22<sup>nd</sup> 30<sup>m</sup> (probably leather burning)~~

Aurora seen at 23<sup>th</sup> and midt.

April 24<sup>th</sup>

The Aurora remained visible at 1<sup>th</sup> and 2<sup>th</sup>. Fog below all morning. Some Cumulus in sky in evening.

Shadow of Ben Nevis seen at 4<sup>th</sup> 45<sup>m</sup>.

Solar corona seen at 11<sup>th</sup>.

A bright red light was seen over shoulder of Carn Mor Dearg at 20<sup>th</sup> 1<sup>st</sup> 20<sup>m</sup> (probably leather burning)

Mr Rammie returned to this Observatory today

April 25<sup>th</sup>

Clear till 16<sup>th</sup>: fog thereafter.

Aurora seen at 1<sup>th</sup>

[Today three men of the Alpine Club ascended the 2nd Gorge (W. branch of Observatory Gully) The cornice of snow at top projected so much that they had to bore a hole through.]



1897 April 26<sup>th</sup>

225

Summit clear all day. Some haze in valleys - thicker in morning and evening than at midday.

[The same party of alpine men as noted yesterday made the ascent today by way of the 1<sup>st</sup> Gorge. So far as is known this gorge has never been ascended before. For the last 300 ft. or so the snow slopes at an angle of  $50^\circ$ , but below this there is solid ice much steeper.]

April 27<sup>th</sup>

Cloudless till 4<sup>th</sup>: after this the sky became cloudy, first with cirri types, then with Cumulus and at 13<sup>th</sup> fog enveloped the Summit.

A Solar Halo was seen at noon.

April 30<sup>th</sup>

Fog and heavy showers of snow on this and the last two days.  
Snow banking seen at 11<sup>th</sup>

About 20 people ascended the Ben during April.



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May 1<sup>st</sup>

Clearing at 3<sup>h</sup> and 4<sup>h</sup>. Snow falling about midday, changing to sleet and drizzle in evening and to rain at night.

Glazed frost forming at and after 20<sup>h</sup>

May 2<sup>nd</sup>

Fog or mist and heavy falls of rain, drizzle and snow. Glazed frost-forming at 4<sup>h</sup>.

May 3<sup>rd</sup>

Fog and heavy showers of snow all day. The snow that fell today and yesterday has been in the small granulated form (not in flakes or crystals).

May 4<sup>th</sup>

Wind backed to WSW and SW in morning and blew a squally gale in afternoon.

There was too much drift at 14" 15" + 16" for the gauge to be worked. At 17" there was 0.325 inch rain in the gauge for the previous hour; as it was a raw during the hour, this value has been taken as probable and entered in the records.

A good deal of soft snow-hail fell today.

Several flashes of lightning seen at 23<sup>h</sup>.  
Windows and doors blocked. Had to burn lamps inside all day.



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May 5<sup>th</sup>

Heavy snow (Snow-hail) fell all morning and showers during the day; but during the few hours of thaw yesterday evening a hard icy crust formed, and most of the snow that has since fallen has been drifted off. Lamp burning in Kitchen all day.

---

May 6<sup>th</sup>

Summit clear for a few hours in afternoon. fog and showers of snow and snow-hail during the rest of the day.

Thermometer-box changed at 15<sup>h</sup> 30<sup>m</sup>. — Dry bulb 535541 and Wet. 535542 were put out. Minimum taken in and dried and put out again at 16<sup>h</sup>.

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May 7<sup>th</sup>

Clear or thin fog passing most of the forenoon.

Solar halos seen at 8<sup>h</sup> and 11<sup>h</sup>. Temperature rose in afternoon and a thaw with mist and rain set in at night.

Thermometer-box changed at 6<sup>h</sup> — Dry bulb 192677 and Wet bulb 192672 were put out.



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May 8<sup>th</sup>

Temperature continued above  $32^{\circ}$  with mist and heavy rain till 11<sup>th</sup>; thereafter the temperature fell quickly, the wind veering to NE with fog and showers of snow. Somewhat squally at night.

May 9<sup>th</sup>

Fog most of the day with showers of snow and snow-hail.

Lunar Corona seen at 22 Hrs.

May 10<sup>th</sup>

Fog and showers of snow almost all day. Decided fall in temperature in evening  $26^{\circ}.8$  at 13<sup>th</sup>.  $16^{\circ}.9$  at 21 Hrs. D. Grant came up today & R. H. W. Bougall went down.

May 11<sup>th</sup>

Fog on Summit & passing all day. Occasional showers of snow.

May 12<sup>th</sup>

Temperature low all day. Sky Overcast <sup>all day</sup> and fog on Summit till 8 Hrs. Box changed at 11<sup>th</sup>.  
 $535341$  put out.  
 $535342$  put out.  
 Lunar Halo seen at mid. Raven seen at 10<sup>th</sup>.

May 13<sup>th</sup>

Temperature very low in early morning but rising quickly during the forenoon. Humidity fell to 30 at 8<sup>th</sup> and rose thereafter to saturation at 16 Hrs. Lunar halo and Corona seen at 1<sup>th</sup>. St. Elmo's fire was heard hissing at 21<sup>th</sup>. Earth and Ben shadows seen at 4<sup>th</sup>.



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May 14<sup>th</sup>

Temperature rose to and above  $32^{\circ}$  this morning. Mist and drizzling rain most of the day.

Thermometer box changed at 10<sup>th</sup> Dry 192677 and Wet 192672 put out.

May 15<sup>th</sup>

Mist & fog till 14<sup>th</sup>. Summit clear and sky gradually clearing in evening.

May 16<sup>th</sup>

Temperature high and air dry. Sky cloudless after 15<sup>th</sup>. Thick haze with broken fog among it all round below. At 20<sup>th</sup> the haze was higher than summit - the sky appearing hazy also, colour of haze - dark blue to s<sup>t</sup> and lead-colour to W<sup>d</sup>. A ground minimum was out on cotton wool at night. Hoar frost was noted on it, and dew on the Black Bull.

The cups of Robinson's anemometer were mounted on instrument at 15<sup>th</sup>.

May 17<sup>th</sup>

Very thick haze all day, but getting thinner at night. Temperature high, air dry and sky almost cloudless.

Heavy dew on Black Bull and hoar frost on ground min: both in early morning and at night. The dust-counter which has been out of order for the last year was got to work in early morning, but in afternoon it broke down completely and must be sent to be repaired.



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May 18<sup>th</sup>

Sky quite cloudless and haze much thinner today.

Dew noted on Black Butte at 20<sup>th</sup> but none thereafter. Hoar frost on ground none.

Snow buntings seen in forenoon.

Sunset colors Red to blue in N<sup>th</sup> sky all night.

Shadow of Ben seen at 4<sup>th</sup>.

May 19<sup>th</sup>

Very fine all day. Shadows of Ben seen in early morning. Air pretty clear today. ~~At~~ A belt of haze was noted in sky above SW<sup>th</sup> and W<sup>th</sup> horizon, while to N and NE<sup>a</sup> it was quite clear, but with low-lying fog in valleys.

Some fine forms of Cirrus noted at and after 20<sup>th</sup> chiefly in W<sup>th</sup> sky and lying NE SW. Hoar frost at night.

May 20<sup>th</sup>

Almost cloudless all day. Air very dry, the humidity ranging from 28 to 33 from 2<sup>th</sup> till 10<sup>th</sup>. Fog to E and NE in morning and air very clear above it, but somewhat hazy to SW<sup>th</sup>.

Slight hoar frost noted at 22<sup>th</sup> in early morning there was none - the dew point being ~~apparently~~ lower than the temp. of the ground minimum.

Earth shadows seen at 4<sup>th</sup>.  
Buntings seen at noon and a raven at 17<sup>th</sup>



1897 May 21<sup>st</sup>

231

Fine all day. Temperature high, air dry and sky cloudless. Low-lying fog rolled both in morning and at night on Canadian Canal from L. Rocky Mts and in glens to N<sup>o</sup> of L. Lake. Shadow of Ben seen at 4<sup>th</sup>.

Thermometer here lowered one step at 10<sup>th</sup>.  
Raven seen at 10<sup>th</sup>.

May 22<sup>nd</sup>

Very much same as yesterday: but more fog to N. and NE and spreading S<sup>o</sup> to E<sup>o</sup>. None yet noted to SW or S. At 4<sup>th</sup> it was noted that while the fog seemed in distance to NE to be at same level as Incafunsonic. from the N<sup>o</sup> end of L. Lake it gradually fell to near sea level at Banavie.

Hoar frost on roof in morning.  
Snow bunting seen at 13<sup>th</sup>.

May 23<sup>rd</sup>

A little more cirrus in sky today but otherwise conditions much the same as on last two days, including the low lying fog to N and NE. in morning and at night. Air very dry in early morning.

Ben Shadow seen at 4<sup>th</sup>.  
Snow buntings seen at 9<sup>th</sup>.

May 24<sup>th</sup>

Temperature lower today and falling at night. After 11<sup>th</sup> sky began to get cloudy and at 16<sup>th</sup> it was overcast with fog passing



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Fog on Summit after this.

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The low lying fog to NE gradually increased from 1<sup>st</sup> and thickened until at 4<sup>th</sup> it covered the hills all round except to S and SW. Later it spread and covered the hills in these directions.

Snow hunting seen at 8<sup>th</sup> and a butterfly at 11<sup>th</sup>

May 25<sup>th</sup>

Decided fall in temperature today. Mist in morning, clear at midday fog at night. with showers of snow. both in morning and at night. Anemometer tied at 21<sup>st</sup>

May 26<sup>th</sup>

Fog or mist with showers of snow till 17<sup>th</sup>. Clearing thereafter: and at night as clouds and fog dispersed the air was very clear but the sky somewhat hazy. Hoar frost on roof at night.

Dry readings got while there fog on Summit at 16<sup>th</sup> and 17<sup>th</sup>.

May 27<sup>th</sup>

Fog and mist with drizzle came on at 22<sup>nd</sup>. Summit clear during the rest of the day. but sky cloudy. and fog and haze around below. Anemometer stopped at 13<sup>th</sup>.

Raven seen at 18<sup>th</sup>



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May 28<sup>th</sup>

Clear at times in forenoon. Rain  
in early morning and all evening.

May 29<sup>th</sup>

Showers of hail, sleet and snow  
throughout the day. South easterly moderate  
gale in forenoon and strong squally  
breezes all day.

Today Mr. Rankin went down, and  
Mr. R. H. McQuay came up.

May 30<sup>th</sup>

Robinson Anemometer, started at 15<sup>th</sup>.  
Summit clear but cloudy all day.

May 31<sup>st</sup> Fog in morning: cloudy during the  
day. clearing at night.

June 1<sup>st</sup>

Sky cloudy and air hazy during the  
day: fog at night.

Moderate easterly gale blowing at and  
after 19<sup>th</sup>.

Snow buntings seen at 16<sup>th</sup> | Mr. R. H. McQuay  
went down  
tonight.

June 2<sup>nd</sup>

The Gale continued all morning, but  
moderated in afternoon.

Most of the day.  
Mr. Rankin came up this evening.



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June 3<sup>rd</sup>

Mist or fog till 9<sup>h</sup>. Cloudy during the rest of the day and summit clear. The humidity fell to 38 to 42 at night.

Temperature high today and during last two days, and this with the high winds of yesterday and previous night has thawed the snow very rapidly.

June 4<sup>th</sup>

Str. fog in some valleys all morning but summit clear and sky slightly cloudy all day. Temperature very high. - Max = 56.1

The Observer heard the Cuckoo from Wragge's Well at 20<sup>h</sup>. \_\_\_\_\_

June 5<sup>th</sup>

Sky somewhat cloudy ~~over~~ all day, and summit mostly clear all day. But fog all round in early morning and large masses of summer cumulus hanging about in afternoon.

Temperature still high: and almost calm all day. \_\_\_\_\_

June 6<sup>th</sup>

Cloudy all morning and fog all round below, which gradually rose and enveloped summit all afternoon.

Today the snow directly under the thermometer box all melted, but there is a cup shaped hollow of snow still surrounding ladder.



1897 June 7<sup>th</sup>

235

Mist all day. Temperature falling decidedly (39 to 31)

The snow having all gone from about the large Stevenson screen. Dry bulb 535541 1141. 535542 max 117293 and min 116918 were put out, and readings were taken from both boxes during the rest of the day.

June 8<sup>th</sup>

Temperature low all day. Fog on Summit after 18<sup>th</sup>. Strong ESE. winds at night.

The readings of the thermometers in the large Stevenson screen were today entered in the daily sheet. The small box has been discontinued.

The snow has all gone from around the snow post. \_\_\_\_\_

June 9<sup>th</sup>

Owing to the low temperature, the strong wind and the walls of Observatory being exposed the temperature of Office could not be kept up last night. At 6<sup>th</sup> today the attached thermometer registered 39° 7/10

Fog all morning. Clearing in afternoon and almost cloudless at night. \_\_\_\_\_

June 10<sup>th</sup>

Sky cloudy all day and thick haze all around. Mist and rain at night.



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June 11<sup>th</sup>  
mist and rain.

Mr. T. G. Kay arrived at observatory and  
Mr. D. Grant left.

June 12<sup>th</sup>

Mist and drizzle all day

June 13<sup>th</sup>

Summit clear all evening. and  
detached bits of str- and cum- fog below.  
Mock Sun seen at 20<sup>h</sup>. (S<sup>th</sup> side of sum)

June 14<sup>th</sup>

Decided fall in ~~temp~~ temperature today  
43° 3 at 1<sup>h</sup> and 30° 0 at midl.

A very heavy shower of hail fell at  
9<sup>h</sup> 45<sup>m</sup>. at 10<sup>h</sup> the amount in gauge measured  
0.529 inch.

In evening (18<sup>h</sup> to 20<sup>h</sup>) with E. winds  
at observatory Mr. Kay reported a steady  
W. wind from L<sup>y</sup> of McLean's Sheep  
to P. of Storms.

June 15<sup>th</sup>

Temperature low. Slight showers  
of snow till 18<sup>h</sup> and a steady and  
heavy fall after that.



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June 16<sup>th</sup>

237

Steady fall of snow till 7<sup>th</sup> and heavy showers during the rest of the day. At 4<sup>th</sup> about 8 inches of fresh snow lay on Summit. but after this a gusty wind caused drift. and in afternoon there were deep wreaths of fresh snow (2 to 5 ft.) about the Observatory and Hotel. and the road was blocked from P. of Storms upwards.

At 8<sup>th</sup> the rain gauge was found lying on its side having been undercut during the hour. The entry in records for that hour is an interpolation.

June 17<sup>th</sup>

Fog. slight showers of snow and some snow drift. - Very wintry.

June 18<sup>th</sup>

Clearing at times but sky cloudy.

June 19<sup>th</sup>

At 11<sup>th</sup> today the temperature rose to 32°. for the first time since the afternoon of the 15<sup>th</sup> but fell again at night. Strong ESE breeze and snow all night.



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Anemometer has been tied up  
since night of 14<sup>th</sup> Starbed  
at mid. on 20<sup>th</sup>.

June 20<sup>th</sup>

238

First decided rise in temperature since 14<sup>th</sup>. Snow banking seen.

[On some days during the last week the Observatory horses could not get up, owing to the road being blocked with snow.

The building of a bonfire has been in operation since 10 days back, and this work has also been interrupted.]

June 21<sup>st</sup> 22<sup>nd</sup> & 23<sup>rd</sup>

Almost continuous mist and rain. Clearing up a little on night of 23<sup>rd</sup>.

[On 22<sup>nd</sup> a number of people including a squad of Volunteers from Fort William made the ascent to light the bonfire and otherwise celebrate the completion of the 60th year of the reign of Queen Victoria].

June 24<sup>th</sup>

Mist on Summit occasionally till 9<sup>hrs</sup> clear since but sky pretty cloudy or overcast. Fog on hills below all round. During the forenoon after 15<sup>hrs</sup> fog had completely disappeared. Sky dull and gloomy like to S. + SE towards evening. Air slightly dry most of the day.



June 25<sup>th</sup>

239

Summit clear and air dry from 11<sup>40</sup> to 20<sup>40</sup> but sky somewhat cloudy and thick haze all round. Very threatening looking all afternoon

June 26<sup>th</sup>

Mist or fog all day with slight showers of rain till 8<sup>40</sup> fair thereafter

June 27<sup>th</sup>

Top clear after 10<sup>40</sup> but sky overcast and thick haze all round. A Raven seen near observatory at 12<sup>40</sup> — Today James Miller came up and Angus Rankin went down

June 28<sup>th</sup>

Fog came on again after 14<sup>40</sup> and a good deal of fog hanging about hills all round. Very hazy and gloomy appearance to SE. Passing showers to N+S in the forenoon

June 29<sup>th</sup>

Very fine and warm and sky pretty clear all day. but fog on hills all round + somewhat hazy. Air slightly dry most of day. Glories seen at 5<sup>40</sup> from roof of observatory



June 30<sup>th</sup>

Summit clear till 10<sup>hrs</sup> fog of and on thereafter. Fog on hills to N + E in the early morning and gradually spreading all round and passing over Summit after 10<sup>hrs</sup>. Slight showers of rain in the afternoon. Thick haze all round. A six ringed Rainbow seen at 20<sup>hrs</sup>.

July 1<sup>st</sup>

Hill-top clear most of the day but fog all round & passing occasionally till 18<sup>hrs</sup>. Since then sky has been almost cloudless and air getting very dry; the humidity being as low as 45 at 23<sup>hrs</sup> & midt. Slight haze about in the evening.

July 2<sup>nd</sup>

Sky overcast with det fog on hills all round till 11<sup>hrs</sup>. Mist or fog thicker with showers of rain after 16<sup>hrs</sup>. Air pretty dry in early morning, the humidity being as low as 43 at 1<sup>hr</sup>.



July 3<sup>rd</sup>

241

Temperature low and pretty steady  
all day range  $35.5$  to  $33.1$ . Mist  
with showers of rain hail + sleet  
Today John Mathison came up  
to act as Telegraph clerk for the season

July 4<sup>th</sup>

Summit clear at  $22^{\text{hrs}}$  but  
sky overcast and fog all round  
Temp still pretty low, there was a  
quick rise between  $23^{\text{hrs}}$  + melt  
from  $33.8$  to  $38.0$ . Slight showers  
of drizzle in the forenoon.

July 5<sup>th</sup>

Mist all day with very heavy  
rain. Temp much higher than yesterday  
the max being  $45.1$  at  $13^{\text{hrs}}$  but falling again  
at melt to  $37^{\circ}$

July 6<sup>th</sup> + 7<sup>th</sup>

Heavy showers of rain sleet + snow  
on the 7<sup>th</sup> the temp was pretty low the min  
being  $29.0$  and the summit being white  
with snow. On the 6<sup>th</sup> the Aspenograph <sup>was</sup>  
was tied up at  $19^{\text{hrs}}$  restarted at  $2^{\text{hrs}}$   
but tied up again at  $7^{\text{hrs}}$



July 8<sup>th</sup>

Mist off fog all day with heavy rain  
in the afternoon. Anemometer started at 13<sup>45</sup>

July 9<sup>th</sup>

Mist + Rain all day

July 10<sup>th</sup>

Fog till noon. Summit clear and  
sky almost cloudless since. Fog all  
round below but gradually breaking  
up after 19<sup>45</sup> and by 22<sup>45</sup> the fog had  
all disappeared. Slight haze all  
afternoon. Air very dry at times in  
the evening, the humidity being as  
low as 38 at Mt.

Shadow of Ben seen at 21<sup>45</sup>

July 11<sup>th</sup>

Sky cloudless all day except for a  
little cir between 4 + 9<sup>45</sup>. Air dry all day  
very dry at times the humidity ranging  
from 30 to 92. A little cum-fog hanging  
about valleys to the SW in the forenoon.  
Slight haze near horizon all day



July 12<sup>th</sup>

243

Sky cloudless or nearly so and  
air dry. Haze in valleys around  
all day. Thin in the morning but  
getting thicker towards the afternoon  
and rising up to about 6° above  
horizon. Shadow of Ben seen at 4<sup>hrs</sup>

July 13<sup>th</sup>

Air dry all day very dry at  
times, the humidity ranging from  
26 to 91. Sky cloudless all day  
except for a little sand passing  
between 17 & 20<sup>hrs</sup>. Thick haze  
around all day. Set fog in  
valleys to SE in early morning.  
Shadow of the Ben seen at 4<sup>hrs</sup>

July 14<sup>th</sup>

Very fine weather although somewhat  
breezy from the ESE. Air dry and very  
clear all day. Sky almost cloudless  
a little cir & cir-c on sky towards mid<sup>st</sup>  
and slight haze in the early morning  
to W but this all cleared away during  
the day



July 15<sup>th</sup>

244

Temperature exceptionally high all day. The Max at 13<sup>th</sup> being 63° 0 being the highest reading ever recorded here in July, while the Min reading was 50° 6 at 1<sup>th</sup>.

The air has been unusually clear and dry the humidity ranging from 37 to 63. Sky a little cloudy with cir-c till 5<sup>th</sup> Cloudless in shadow of the Ben seen at 4<sup>th</sup>.

July 16<sup>th</sup>

Temperature very high all day and much higher than yesterday. The Max being 65.4 and the Min 53.7. The air was very clear and dry the Visibility being 5 most of the day. Sky cloudless till 10 am pretty cloudy or overcast since with Cir + Cir-S.

Shadow of the Ben seen at 4<sup>th</sup>.



July 17<sup>th</sup>

Sky cloudy or overcast all day but still very fine and warm. This somewhat hazy in the distance some fog in valleys to N + NE but this cleared away after 9<sup>hrs</sup>. The humidity has been pretty steady all day ranging from 58 to 69. Shadow of Ben seen at 4<sup>hrs</sup>.

July 18<sup>th</sup>

Cloudy till 6<sup>th</sup> cloudless since but fog in valleys to N + NE in the forenoon. Thick haze around all day. Air pretty dry all day. The humidity ranging from 41 to 67<sup>hrs</sup>. Shadow of the Ben seen at 4<sup>hrs</sup>.

Today Mr W.T. Kilgour came up to act as observer.

July 19<sup>th</sup>

cloudy ~~till 6<sup>th</sup>~~ ~~cloudless~~ all day ~~since~~. Thick haze all round.

Today Messrs Miller and Kay went down to Fort William. + Mr Rankin arrived at P.



July 20<sup>th</sup>

Det. f. in valleys till 12<sup>hrs</sup> and  
slight haze the rest of the day.  
Mr R. H. Macdonald came up today  
and Mr Rankin went down.

July 21<sup>st</sup>

Slightly cloudy till 12<sup>hrs</sup>. Fog  
forming among hills all morning  
and enveloping the Ben at 14<sup>hrs</sup>.

July 22<sup>nd</sup>

Summit cleared after 2<sup>hrs</sup>.  
Thick fog all round below to  
about 4000 ft. coming over summit again  
at 9<sup>hrs</sup>. slight showers of rain fell  
in the evening, and top cleared again  
at 21 Hrs. Fog-bows & Glories were seen  
after 9<sup>hrs</sup>.

July 23<sup>rd</sup>

Clear for a few hours in forenoon  
mist all the rest of the day & heavy rain  
at night

July 24<sup>th</sup>

Mist and showers of rain all  
day. Sheet lightning was seen at 23<sup>hrs</sup>.

July 24<sup>th</sup>  
The F.W. telegraph line man came up today and  
took away the telegraph instrument, leaving the telephone instead.  
Mr William Rankin came up to act as telephone clerk and  
John Macdonald on telegraphist left.



July 25<sup>th</sup>

Mist all day except at 15 & 16 <sup>hrs</sup>  
 when hill was clear. rain fell heavily  
 in the forenoon and again at night

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July 26<sup>th</sup>

Mist and heavy rain all day

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July 27<sup>th</sup>

Mist and heavy rain.

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July 28<sup>th</sup>

Clear for a few hours about  
 mid day. sky cloudy or overcast.

Fog-bows and Glories between 10 & 11 <sup>hrs</sup>

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July 29<sup>th</sup>

Mist and drizzling rain all day

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July 30<sup>th</sup>

Summit cleared after 5 <sup>hrs</sup> and  
 remained clear for the rest of the  
 day. Fog all round below dispersing  
 towards evening

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July 31<sup>st</sup>

Fog off and on all day

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August 1<sup>st</sup>

248

Fog on summit in early morning, and in valleys and on other hills most of the day. Solar Halo seen at noon, 14<sup>h</sup>, and 19<sup>h</sup>. Almost continuous flashes of lightning from 21<sup>h</sup> 55<sup>m</sup> till midnight. Mr. Rankin up tonight

August 2<sup>nd</sup> Fog all morning; clear all afternoon, but broken fog all around. till 19<sup>h</sup> when it gave place to haze.

Lightning seen at 8<sup>h</sup> 45<sup>m</sup>. Today Mr. George Ednie came up and Mr. W. T. Kilgus left. Mr. Rankin down this evening.

August 3<sup>rd</sup>

Summit clear all day. Cumulus-fog around below. Rather hazy. Solar Halo seen at 17<sup>h</sup>.

August 4<sup>th</sup>

Summit clear till 21<sup>h</sup>. Thick haze all around and some fog in Eastern valleys in forenoon. Fog on Summit after 22<sup>h</sup>. Lightning flashes at intervals of 1 to 5 minutes from 22<sup>h</sup> till midnight. The readings at noon and 18<sup>h</sup> were taken 3 minutes late.

August 5<sup>th</sup>

Fog or mist with clear intervals all day. Lightning seen at 1<sup>h</sup>. And thunder and lightning noted from 22<sup>h</sup> till 22<sup>h</sup> 40<sup>m</sup> and again at 23<sup>h</sup> 20<sup>m</sup>.



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August 6<sup>th</sup>

249

Summit enveloped all day. Heavy showers of rain in evening.

August 7<sup>th</sup>

Mist and heavy drizzle in morning. Clearing in evening. Cloudless at night

August 8<sup>th</sup>

Summit clear and air dry almost all day. Some detached cum. fog below chiefly to N, & E in morning.

Atmosphere pretty clear today.  
Raven seen at 14<sup>th</sup>.

August 9<sup>th</sup>

Thin mist or fog on Summit and banks of fog all around during the day. Summit clear and sky cloudless at night.  
Lunar Corona at mid.

August 10<sup>th</sup>

Clear in forenoon at times. Thin mist or fog most of the day.

August 11<sup>th</sup>

Mist and drizzling Rain almost all day.

August 12<sup>th</sup>

Fog on Summit or passing all forenoon. Clear but sky cloudy all afternoon.  
Lunar Corona at 21<sup>st</sup>.



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August 13<sup>d</sup>

Mist and showers of rain till 20<sup>th</sup>. Clear thereafter but cum fog around below and at times passing over Summit also.

Lightning seen at 14<sup>th</sup> 21<sup>m</sup>

August 14<sup>th</sup>

Heavy showers of rain and hail in afternoon.

J. Neil left on holiday and J. Cummins arrived in his stead.

August 20<sup>th</sup> Almost continuous mist or fog since 14<sup>th</sup> with drizzling rain - heavy today. ~~Fog~~ on 18<sup>th</sup> and 19<sup>th</sup> and ~~very heavy~~ snow-buntips were seen about Summit

August 21<sup>st</sup> Mist with drizzle, some sleet and snow in forenoon. Clearing in evening but fog on hills.

August 22<sup>nd</sup>

Clouds for few hours in early morning. Fog around and passing in forenoon. Mist and drizzle in evening.

Lunar Corona seen <sup>4<sup>h</sup></sup> 3<sup>h</sup> 4<sup>h</sup> - 4<sup>h</sup> - 4<sup>h</sup>

Hoar frost on roof all ~~the~~ forenoon

Snow-buntips seen at 8<sup>h</sup>

END of Vol. V



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