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Redhill

1860 April 14

My dear Sir

I am greatly
pleas'd by your letter
containing an abstract
of your observations for
17 rotations of the Sun.
My observations are
now reduced but
not yet laid down
in the same manner.
I have just written

a short paper on
the two highest latitudes
reached by Spots the
records of which I can
rely on, and finding
the maximum site long^e
at 45° and 50° remarkably
retrograde, I have
given a new talk
in which is contained
the figurative statement
of what I believe

are the currents of
the photosphere and I
have speculated on the
consequences in a way
which I think will
attract your notice, &
I hope your remarks.
I think it will be
necessary to cease
using the term 'Period
of Solar rotation' in its
old sense, and to
speak of the minimum

period of rotation of any
zone, about 25 days
with a very small fraction,
and the differences be-
tween zones, which are
permanent and rather
considerable.

I have little doubt the
Committee will accept
the paper you propose
sending on South stars

Yours faithfully

H. C. Carrington

Prof Leubke