



ISTITUTO COMPRENSIVO PORTO TOLLE (<https://lnx.icportotolle.edu.it>)

ASTROFOTOGRAFIA DEL SOLE

10 Maggio 2022

I. C. Porto Tolle (Ro)

In data 10 Maggio 2022 con l'utilizzo del telescopio MEADE LX65 e con il filtro ASTROSOLAR sono state effettuate delle riprese fotografiche e un video della superficie del disco solare, utilizzando una camera astronomica CCD ZWO ASI 183MC con un filtro taglia radiazione ultravioletto /infrarosso, ottenendo una definizione delle immagini molto particolare, evidenziando alcune macchie solari presenti sul sole.

Fattore seeing S2: la superficie del sole si presenta leggermente confusa e la granulazione fotosferica a volte è visibile e a volte è poco definita.

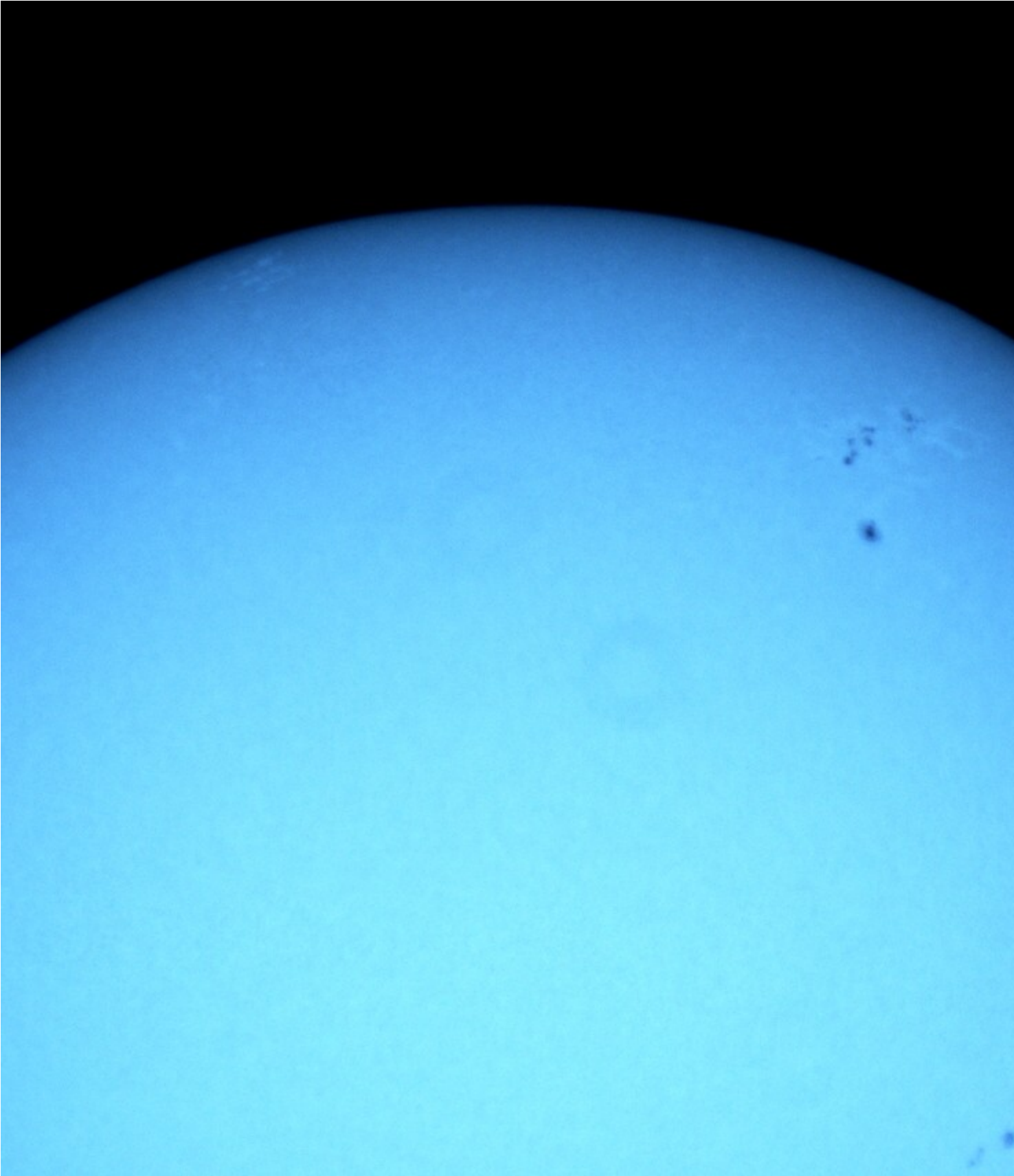
Le macchie (numerate secondo un catalogo internazionale) che sono state fotografate dalla Sede dell' I.C PORTO TOLLE erano le seguenti:

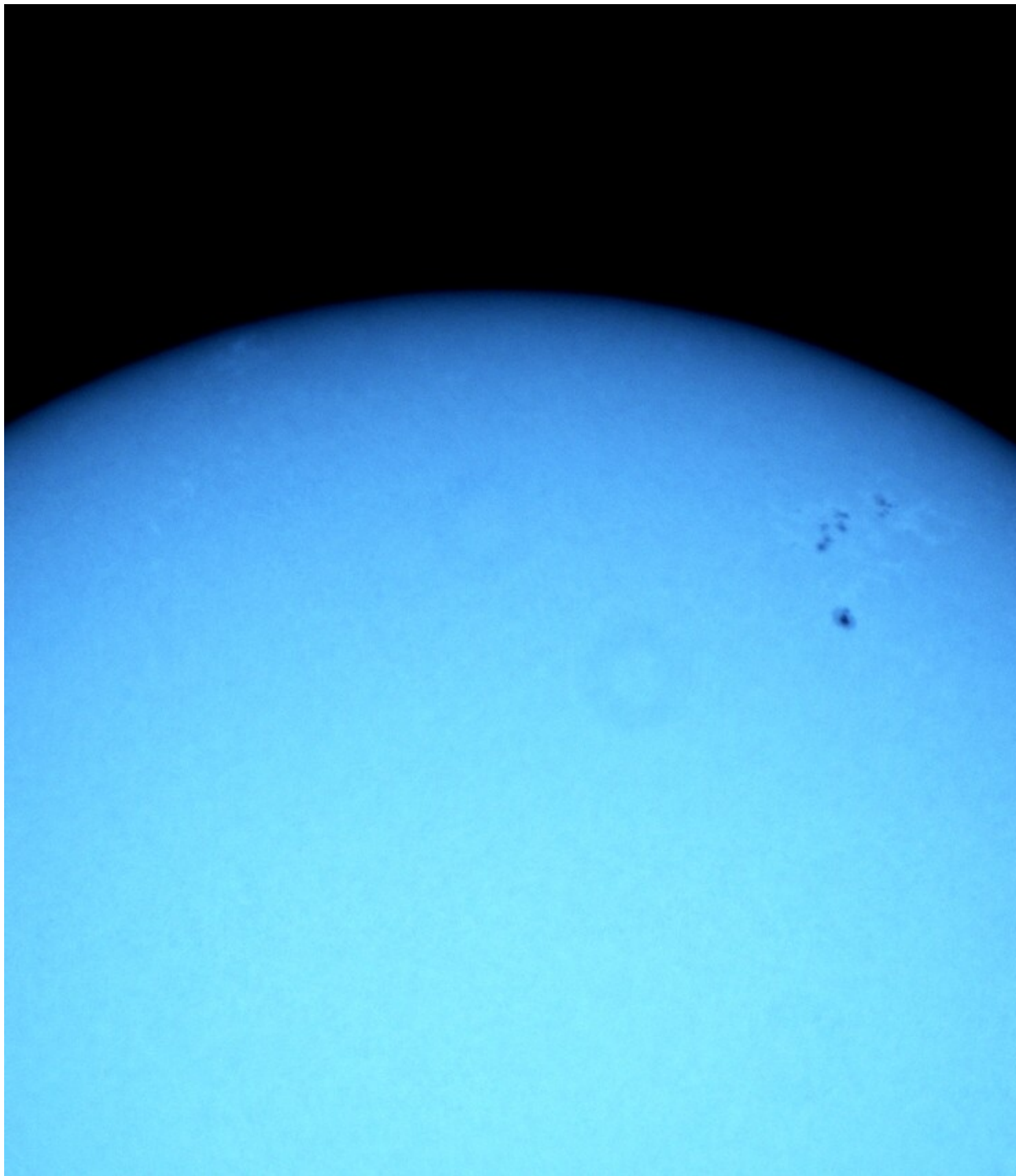
Macchia solare 3007

Macchia solare 3006

Successivamente le foto sono state analizzate con software per astrometria, ottenendo i seguenti dati:

- definizione dei particolari dei bordi delle macchie (zoom ingrandito)

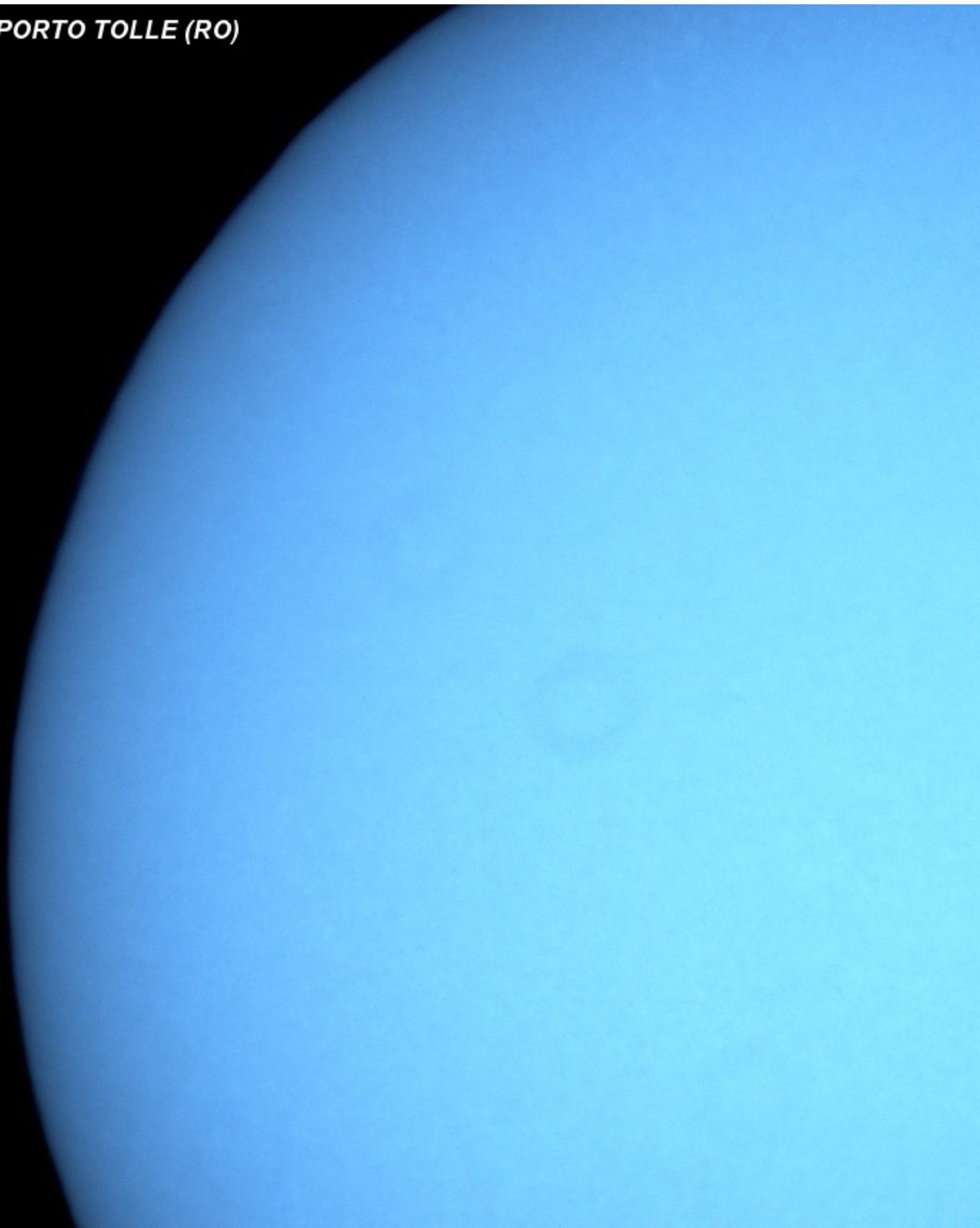




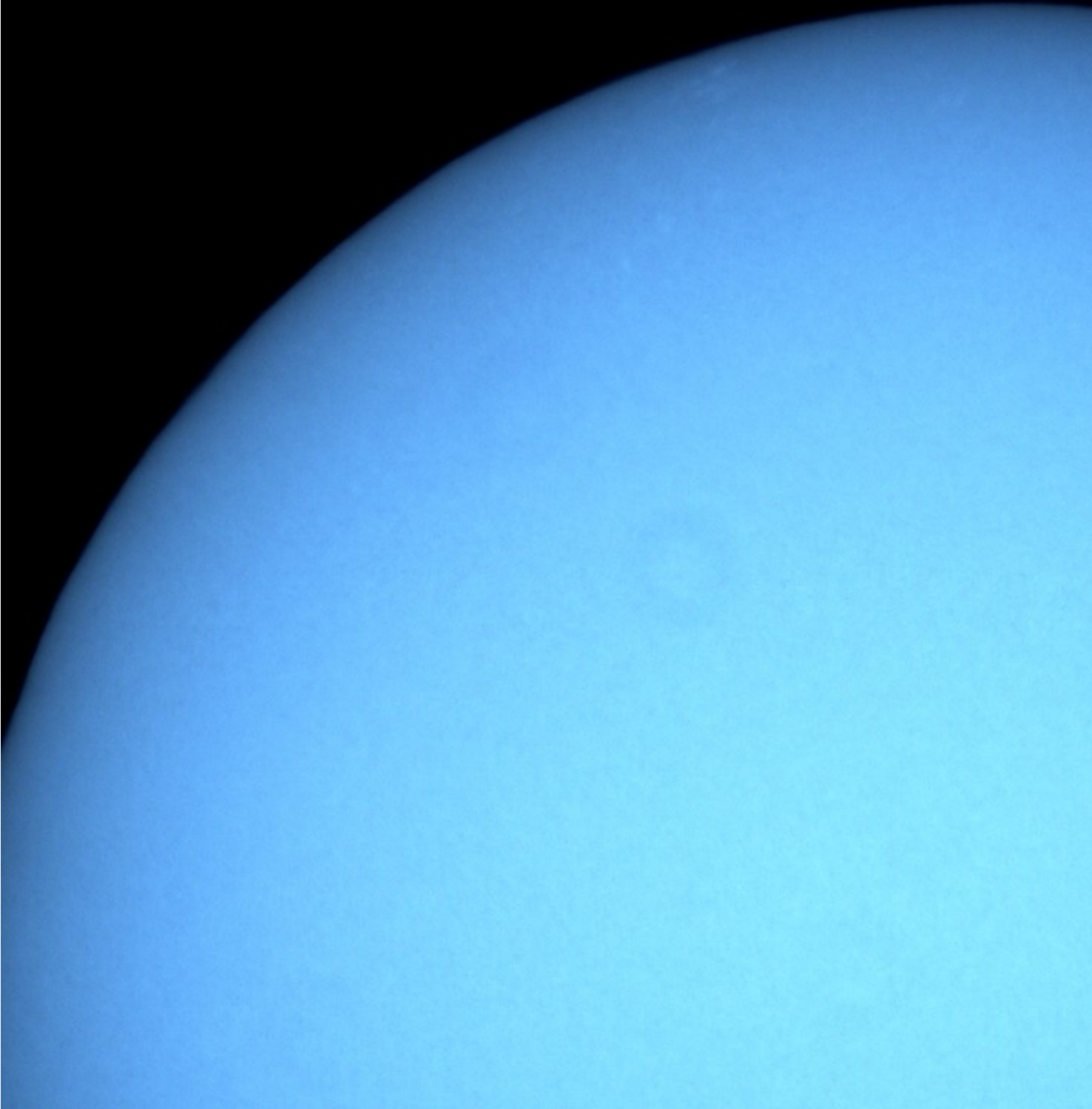
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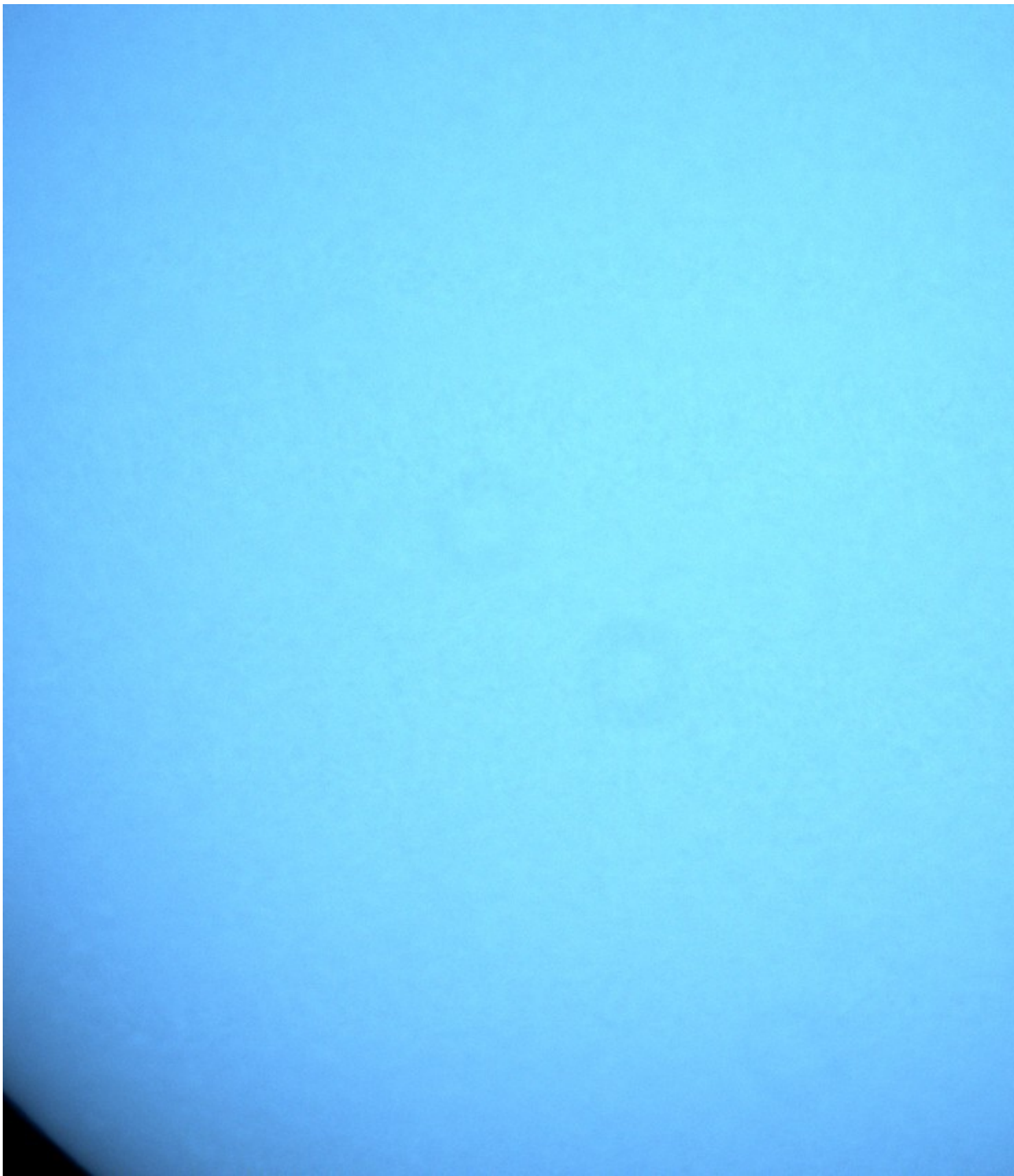


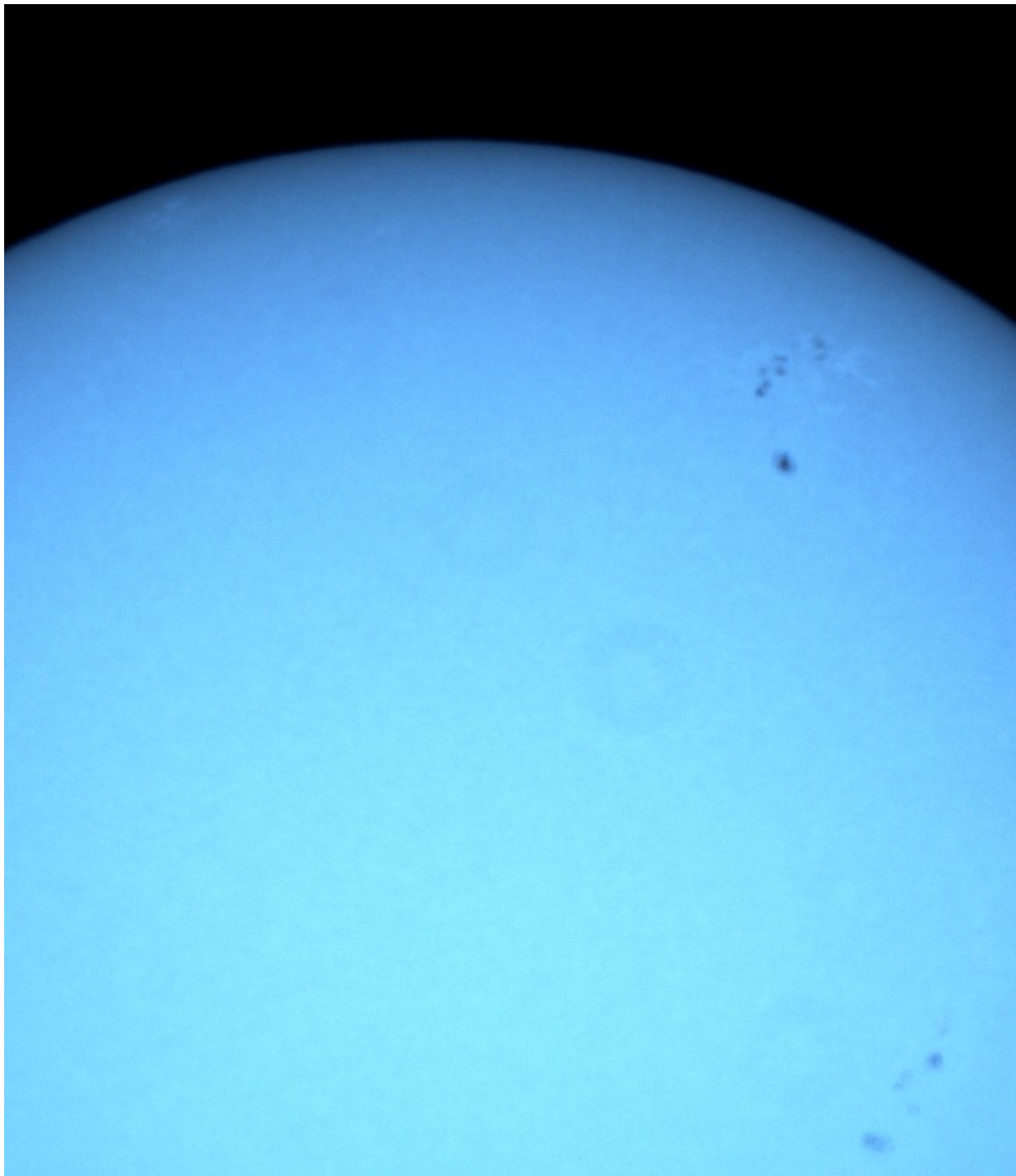
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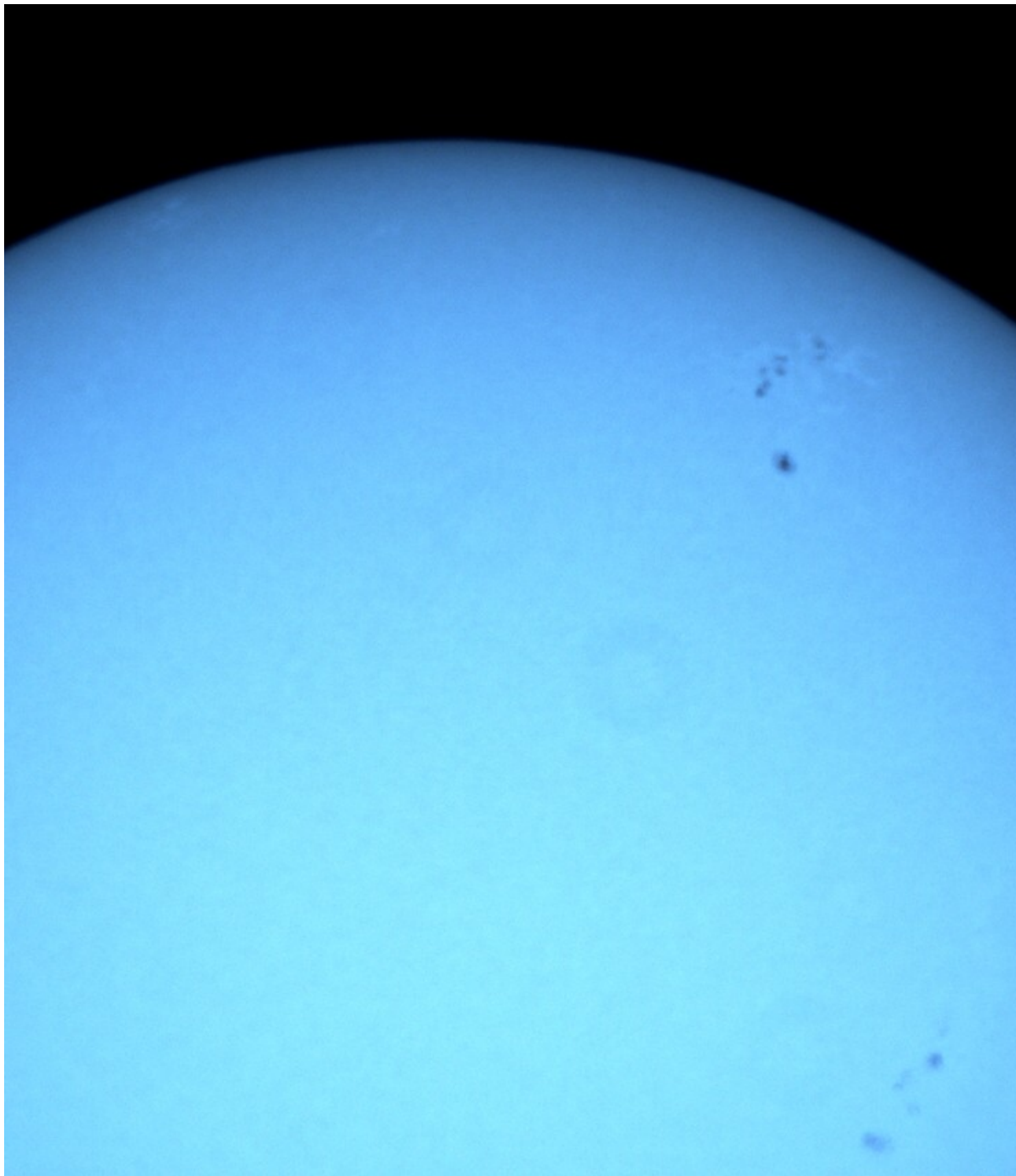


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the 1990s, the number of people in the world who are illiterate has increased from 400 million to 600 million.

It is not only the number of illiterate people that has increased, but also the number of illiterate children. In 1990, 100 million children were illiterate. In 1995, the number had increased to 120 million. In 2000, the number had increased to 150 million. In 2005, the number had increased to 180 million. In 2010, the number had increased to 210 million.

The number of illiterate children in the world is increasing at an alarming rate. This is a major cause of concern for the world's leaders. They are trying to find ways to reduce the number of illiterate children. One way is to provide more schools and teachers. Another way is to provide more books and materials. A third way is to provide more training for teachers.

It is important to reduce the number of illiterate children. This is because illiterate children are more likely to be poor and to live in poverty. They are also more likely to be ill and to die. They are also more likely to be exploited and to be treated badly. They are also more likely to be illiterate when they are adults.

There are many reasons why children are illiterate. One reason is that they do not have access to schools. Another reason is that they do not have access to books and materials. A third reason is that they do not have access to trained teachers. A fourth reason is that they do not have access to a good quality education.

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