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HIP 69462

# HIP 69462

A light for our story



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A story among the stars

Celestial Library edition



*Every light holds a story. These pages  
follow its journey, from the heart of the  
star to the sky we share.*

The sky, page by page

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# A story beneath the stars

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# One light among many

Some nights begin when we stop hurrying. The day withdraws, our eyes learn the darkness and, little by little, the stars appear. Among them is HIP 69462. Until now it may have been another distant light; pausing to look is the beginning of giving it a place in our own story.

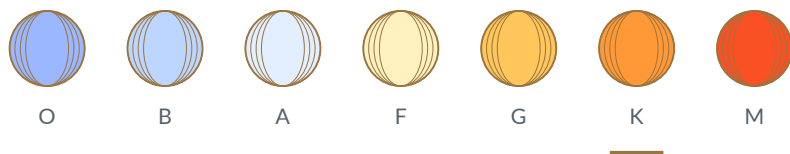
A dedication begins with that simple gesture: choosing something beautiful and wanting to share it. The star will continue on its way, beyond our calendars, while here below its light can accompany a date, a name or words we wish to keep. Immensity takes on an intimate measure: the measure of what matters to us.

# The colour of its fire

The light of HIP 69462 has a character of its own. The K family keeps the colour of an ember seen at the end of an evening. Its surfaces are cooler than the Sun's, though still extraordinarily hot. That amber tint suggests a gathered light, a warmth that seems to ask us to stay a little longer.

To the unaided eye, a stellar colour can be little more than a whisper. The atmosphere makes it tremble and our eyes receive it in their own way. Beyond that point we can imagine a living surface of hot matter: the visible beauty of processes working on a scale far greater than ours.

## SEVEN FAMILIES OF LIGHT



*Light keeps the colours of its origin.*

# The journey ending here

The light of HIP 69462 has a journey behind it. Before touching our eyes it has crossed space, carrying the trace of its origin. The sky is filled with arrivals: every point appearing in the darkness offers a meeting with another place and another moment.

Perhaps that is one of distance's gentlest gifts: allowing something born far away to become part of what is close. While the Sun carries its planets around the galaxy, we keep receiving these silent messages. Night gathers the journeys; our gaze gives them somewhere to arrive.

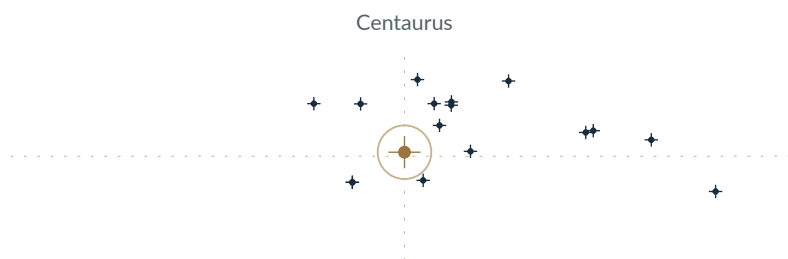


*From its sky to our night.*

# A landscape for imagination

HIP 69462 lies in the region of the Centaur. The Centaur brings different natures into one image. We can read in it the possibility that strength and gentleness might share a path beneath the stars.

Figures in the sky are a human way of approaching immensity. In our gaze they join lights that may lie at very different distances. Imagination stretches the thread; the stars provide the brightness. A single landscape can therefore keep old images while receiving a story that begins tonight.



*Its light, among other lights of the constellation.*

# IUE ultraviolet records and a B7+ classification

The IUE log lists four ultraviolet images of HD 124147, also known as HIP 69462: one dated 5 February 1985, two on 7 February 1990, and one on 22 August 1990. Parsons and Ake's 1998 study included the star in its analysis of cool primaries with hot companions and assigned the hot component a B7+ ultraviolet spectral type. The paper combined ultraviolet and optical fluxes to classify hot companions and estimate component luminosities and interstellar extinction. The listed dates belong to archived observations; they do not mark the discovery of the star or its companion.

A familiar light had kept another presence within its brightness. We can imagine the moment of recognition as a door opening softly onto a wider room. Looking again, we find a different kind of closeness: space for distinct lights, for separate paths, and for the patient attention through which a hidden part of a story becomes something we can finally hold in mind.

# A life opening out

The word giant speaks of a star that has moved beyond the appearance of its first long stage. Its envelope has expanded and the interior has changed the way it supports itself. We can imagine a life opening its rooms, a light taking up more space while writing a different chapter of its story.

To approach HIP 69462, we can let that scale widen our imagination. A stellar age is unlike a birthday: it speaks of changing matter, of energy finding a way out, of a balance sustained and transformed. Tonight's light is one page of that time, and we happen to be here to receive it.

# Measuring with two glances

To begin measuring a stellar distance, Earth offers us a movement. We observe from one side of its orbit and look again about six months later from the other. A nearby star seems to shift slightly against more distant ones. That small change of perspective is called parallax.

We can feel the principle by looking at a finger with one eye and then the other. What fits between two glances at home requires our planet's journey in the sky. There is something beautiful in that patience: to learn how far a light is from us, we first learned to look from somewhere else.



# Nothing stands still

Although it seems still, HIP 69462 belongs to a moving sky. Stars travel through the galaxy and our own home moves with the Sun. The distances are so great that many of these changes need years of observation to become visible. The serenity we see is really keeping a journey.

We can imagine every night as a meeting between travellers. We arrive with one more day of memories; the star arrives with its light and its path. The meeting seems to repeat, yet it is never quite the same. Perhaps that is why looking again can be such a simple way to celebrate shared time.

# The night of finding it

We can begin with something simple: looking into a starry sky and letting our eyes grow used to darkness. The dedication page lets us choose a place and time to find where to look. Recognising the constellation first turns a distant map into a familiar landscape.

If a telescope joins the evening, a wide field is a gentle beginning. As a reference, a 114 mm Newtonian with a 500 mm focal length gives 20× with a 25 mm eyepiece. The star remains a point of light; the instrument gathers more of its brightness. The best memory may be the moment we leave the eyepiece and say: there it is.

# Somewhere to return

We can close this booklet and let HIP 69462 become a small light in an enormous night again. Something, though, will have changed. We now know part of its journey, a shade of its colour and a way to find it. What seemed far away has a place in our memory.

There will be clear nights and others when clouds keep the sky. Not every night will allow observing, but each can bring back the memory of this gesture. Sometimes a name is enough to return to a date, a voice, a few shared words. And when the light appears again, we will have one more reason to pause and look.

# The traces of this story

ESA Hipparcos / VizieR

[https://vizier.cds.unistra.fr/viz-bin/VizieR-5?-source=I/239/hip\\_main&HIP=69462](https://vizier.cds.unistra.fr/viz-bin/VizieR-5?-source=I/239/hip_main&HIP=69462)

NASA · Our Sun

<https://science.nasa.gov/sun/facts/>

IAU · Constellations and their names

<https://iauarchive.eso.org/public/themes/constellations/>

Celestron · Choosing eyepieces

<https://www.celestron.com/blogs/knowledgebase/how-to-determine-which-eyepieces-to-use-with-your-telescope>

CDS catalogue J/ApJS/119/83, ReadMe: article abstract and table descriptions

<https://cdsarc.cds.unistra.fr/ftp/J/ApJS/119/83/ReadMe>

CDS catalogue J/ApJS/119/83/table1.dat: IUE observation log rows for HD 124147

<https://cdsarc.cds.unistra.fr/ftp/J/ApJS/119/83/table1.dat>

CDS SIMBAD identifier record: HIP 69462 = HD 124147 = HR 5308

<https://simbad.cds.unistra.fr/simbad/sim-id?output.format=ASCII&Ident=HIP+69462>

# To keep discovering

NASA · The lives of stars

<https://science.nasa.gov/universe/stars/>

NASA · What is a light-year?

<https://science.nasa.gov/exoplanets/what-is-a-light-year/>

ESA · Measuring stellar distances by parallax

[https://www.esa.int/ESA\\_Multimedia/Images/2013/06/Measuring\\_stellar\\_distances\\_by\\_parallax](https://www.esa.int/ESA_Multimedia/Images/2013/06/Measuring_stellar_distances_by_parallax)

S. B. Parsons & T. B. Ake (1998), “Ultraviolet and Optical Studies of Binaries with Luminous Cool Primaries and Hot Companions. V. The Entire IUE Sample,” *The Astrophysical Journal Supplement Series* 119, 83. doi:10.1086/313152.

<https://ui.adsabs.harvard.edu/abs/1998ApJS..119...83P/abstract>

CDS catalogue J/ApJS/119/83/table4.dat: optical analysis and UV type row for HD 124147

<https://cdsarc.cds.unistra.fr/ftp/J/ApJS/119/83/table4.dat>

Original ISDORA prose and illustrations. Images are artistic evocations or diagrams, not to scale. Distances are approximate. Constellation figures include contemporary literary readings.



May there always be a night  
to look again.



*HIP 69462*

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A STORY OF LIGHT