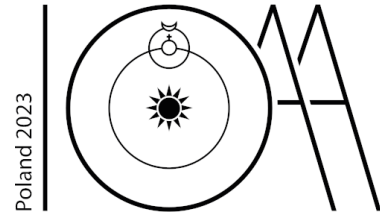


16th International Olympiad on Astronomy and Astrophysics

10th—20th August 2023, Chorzów, Poland



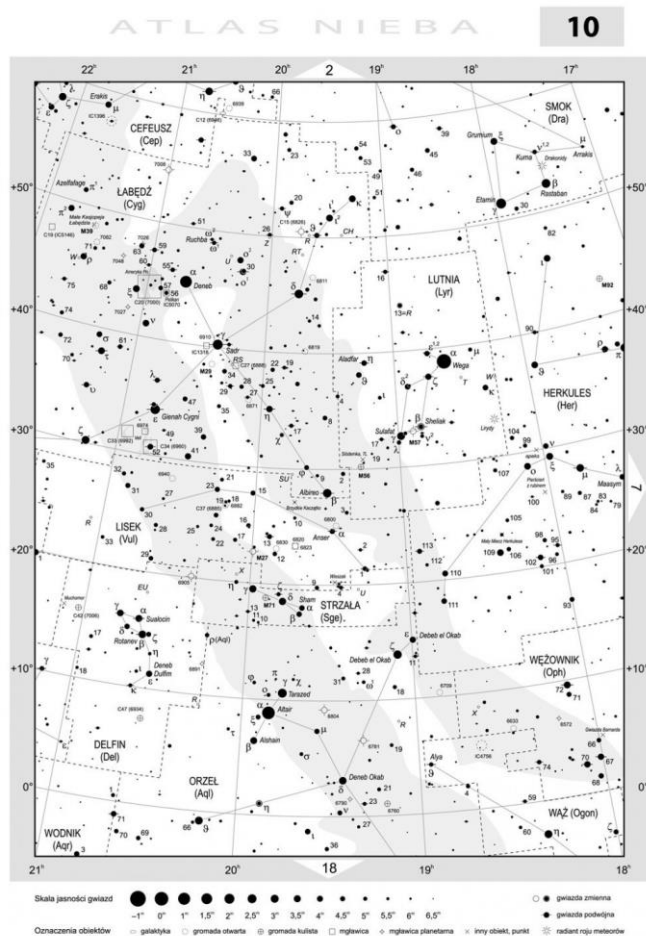
Sky Atlas explanation

22 June 2023

Before one of the rounds, the students will be given time to read the questions and prepare. During this period, they will have copies of a sky atlas (<https://sklep.pta.edu.pl/ksiazki/135-atlas-nieba-20000.html>) which they may consult if they wish (the atlas is just an aid for preparation if they want to refresh their memory, using it is not required to solve the tasks).

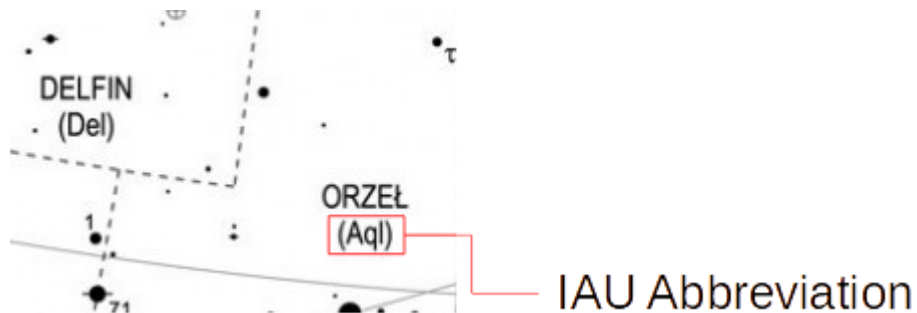
The maps and symbols are quite standard (as used for example in *Norton's* or *Uranometria*) and should not present any difficulties to anyone who has used a sky atlas or star chart before, however some labels are in Polish. Please explain the labels to your students in advance. (The general instructions given to the students will also include a section with this information.)

Map page



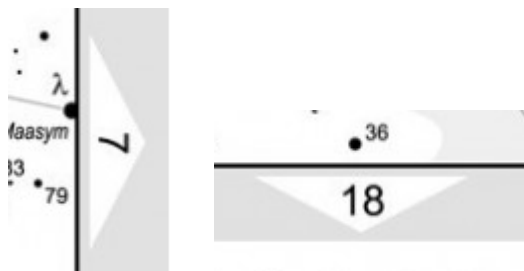
Constellation labels

The constellations are labelled in Polish with the IAU abbreviation below in brackets:



Next map indicators

Along the edges of the map are numbered arrows indicating the page number of the next map in that direction:



Constellation list

Polish name

Latin name

IAU abbreviation

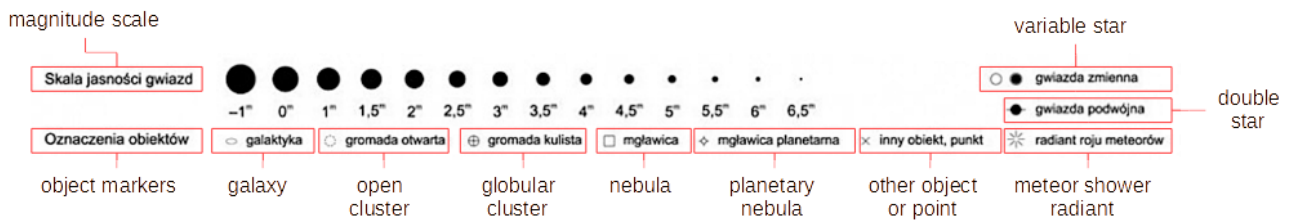
page number

List of constellations

Lista gwiazdozbiorów

nazwa polska	nazwa łacińska	skrót	obszar (stopnie kw.)	strona	nazwa polska	nazwa łacińska
Andromeda	<i>Andromeda</i>	And	722,3	4, 9	Piec	<i>Fornax</i>
Baran	<i>Aries</i>	Ari	441,4	3, 4	Pompa	<i>Antlia</i>
Bliźnięta	<i>Gemini</i>	Gem	513,8	6	Psy Gończe	<i>Canes Venatici</i>
Byk	<i>Taurus</i>	Tau	797,2	3	Puchar	<i>Crater</i>
Cefeusz	<i>Cepheus</i>	Cep	587,8	2	Rajski Ptak	<i>Apus</i>

Map legend



Symbol	Polish	English
<p>-1^m 0^m 1^m</p>	Skala jasności gwiazd	Magnitude scale
	Oznaczenia obiektów	Object markers
	galaktyka	galaxy
	gromada otwarta	open cluster
	gromada kulista	globular cluster
	mgławica	nebula
	mgławica planetarna	planetary nebula
	inny obiekt, punkt	other object or point
	gwiazda zmienna	variable star
	gwiazda podwójna	double Star
	radiant roju meteorów	meteor shower radiant