

The Mag-7 Star Atlas Project

What is it?

This project is Andrew L. Johnson's (in his own words) "attempt to produce a *free*, downloadable set of high-quality star charts -- the Mag-7 Star Atlas -- capable of being printed at reasonable resolutions on the average home printer." Full information at Cloudy Nights website: <https://www.cloudynights.com/articles/cat/articles/observing-skills/free-mag-7-star-charts-r1021>

The Mag-7 Star Atlas plots stars down to Magnitude 7.25, with double / multiple stars indicated by a thin horizontal bar. Plotted DSO's (Deep Sky Objects) include all objects on the Messier list, the RASC's finest NGC list, and the Herschell 400 list --- more than 550 DSO's in total.

The Mag-7 Star Atlas

There are 20 primary charts and one supplemental chart (11a for the Virgo Coma Berenices region) comprising the complete Mag-7 Star Atlas. Enjoy.

UPDATED - Version 2.0, April 2007

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Deluxe Milky Way Color version - ENHANCED

This *free* file is a "derivative work" of Andrew L. Johnson's Mag-7 Star Atlas Project, Deluxe Milky Way version.

This enhanced version provides three key additions:

- 1) A map index was created to help quickly identify the individual star chart you are looking for.
- 2) Blue directional arrows at the edges of each chart provide a guide to adjacent charts. Large chart numerals were also added to the lower right corner of the charts, helpful when thumbing through the pages.
- 3) I manually entered star names and a selection of brighter DSO common names to the charts as suggested in an email from Andrew Johnson. The programming used to create the original Milky Way Atlas version charts is no longer available and did not include those names. This was the quickest way to add star and object names for the atlas. I wanted to share the results. I've included star and DSO names which I thought would be useful to amateur astronomers finding their way around the night sky.

Note: These additions were optimized for printing in color on 11 x 17-inch paper. Your results may vary. Color printing on legal-size paper is a good alternative – better than letter size. This version is offered "as is" – no warranty or guarantees. This work is under the same Creative Commons License identified and linked above.

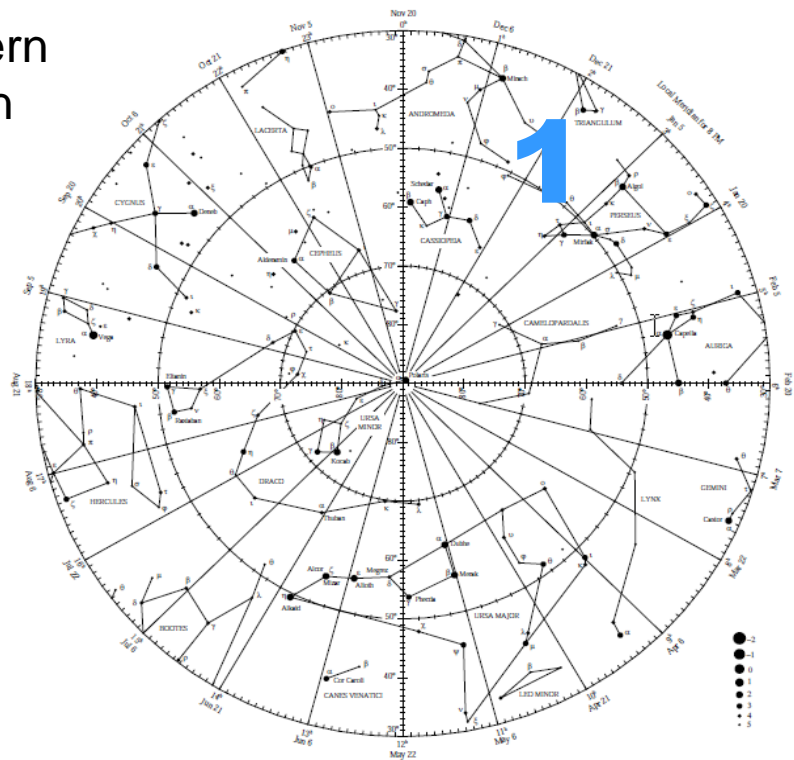
Thanks again to Andrew L. Johnson and his Mag-7 Star Atlas Project. I hope everyone will enjoy these additions to the beautiful Mag-7 Project, Deluxe Milky Way Star Atlas.

~ Mark Hoecker

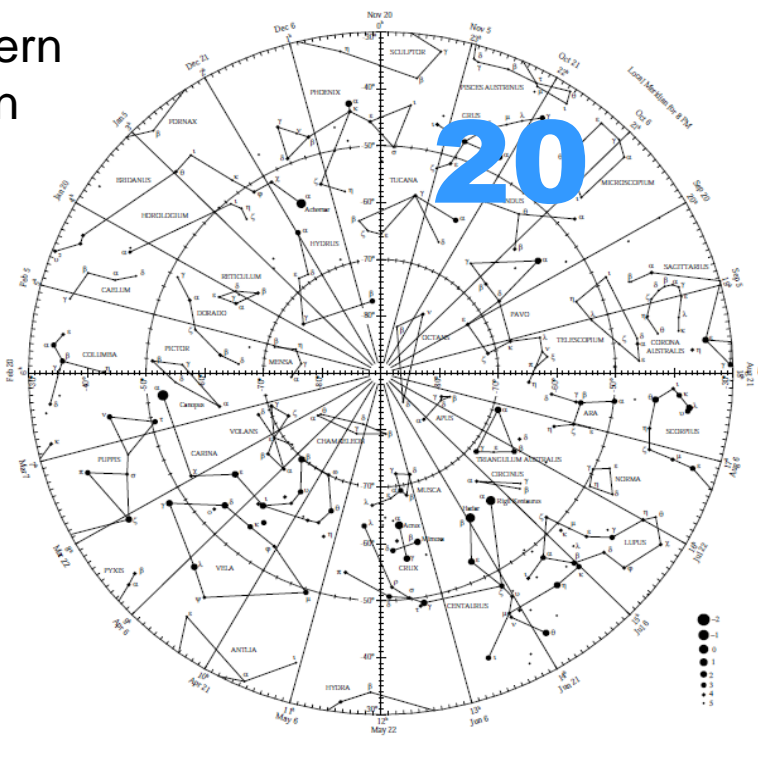
May, 2017

Revised, January 2019

Northern
Region



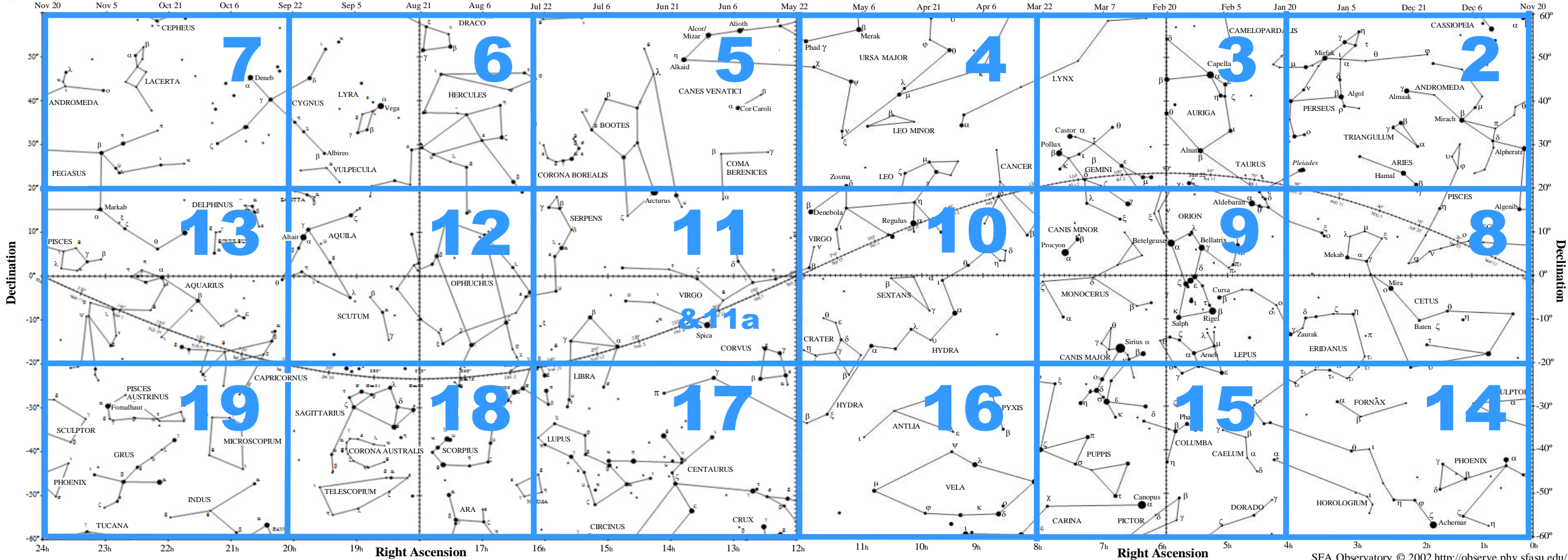
Southern
Region



A Mag-7 Star Atlas Index

(See note below)

Chart Number Reference



Note: This index was created by placing a grid on free download charts from the Stephen F. Austin State University Observatory which themselves are based on public domain data. This index page is not part of the original Mag 7 Star Atlas Project but is provided as an aid.

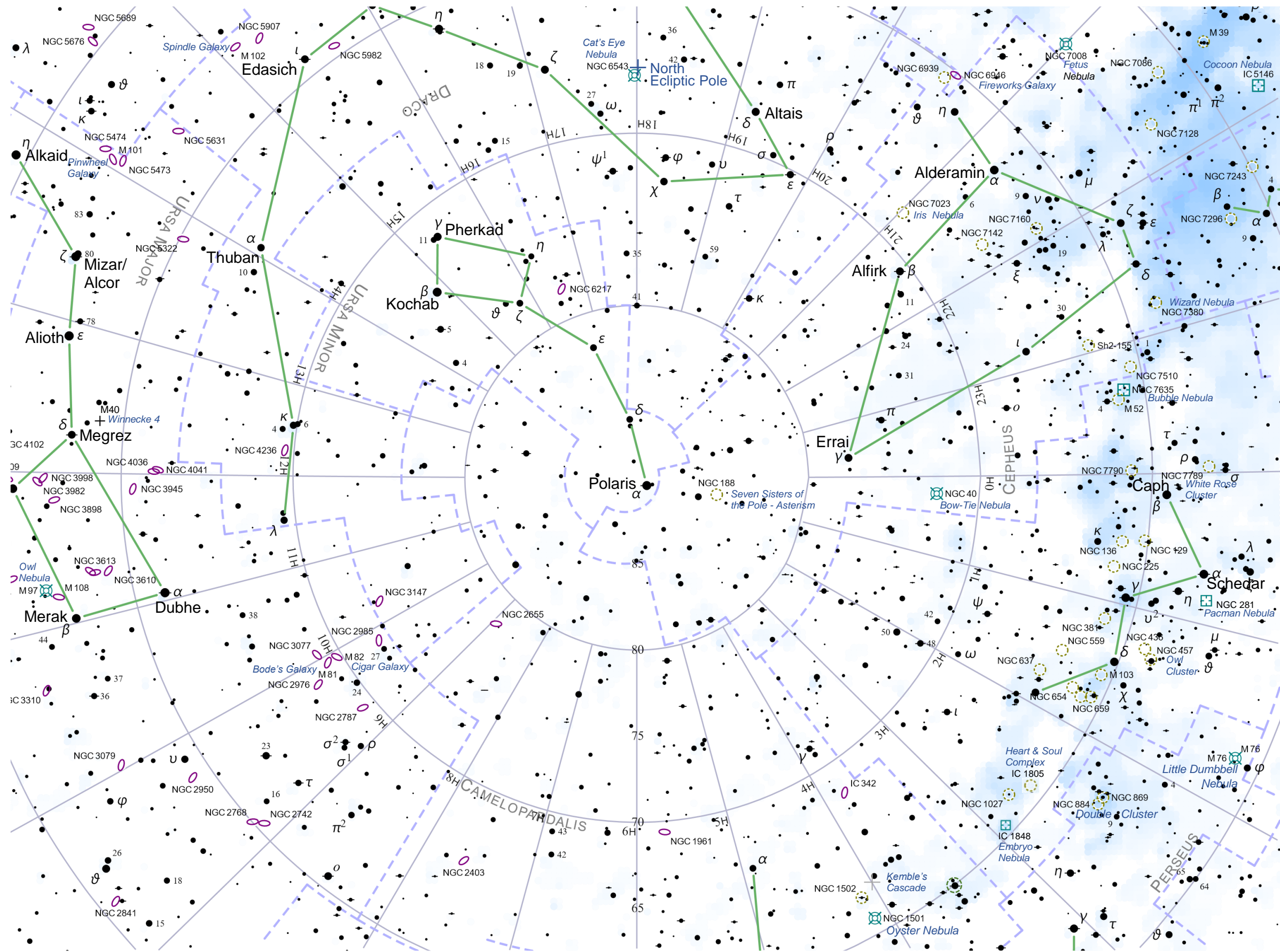
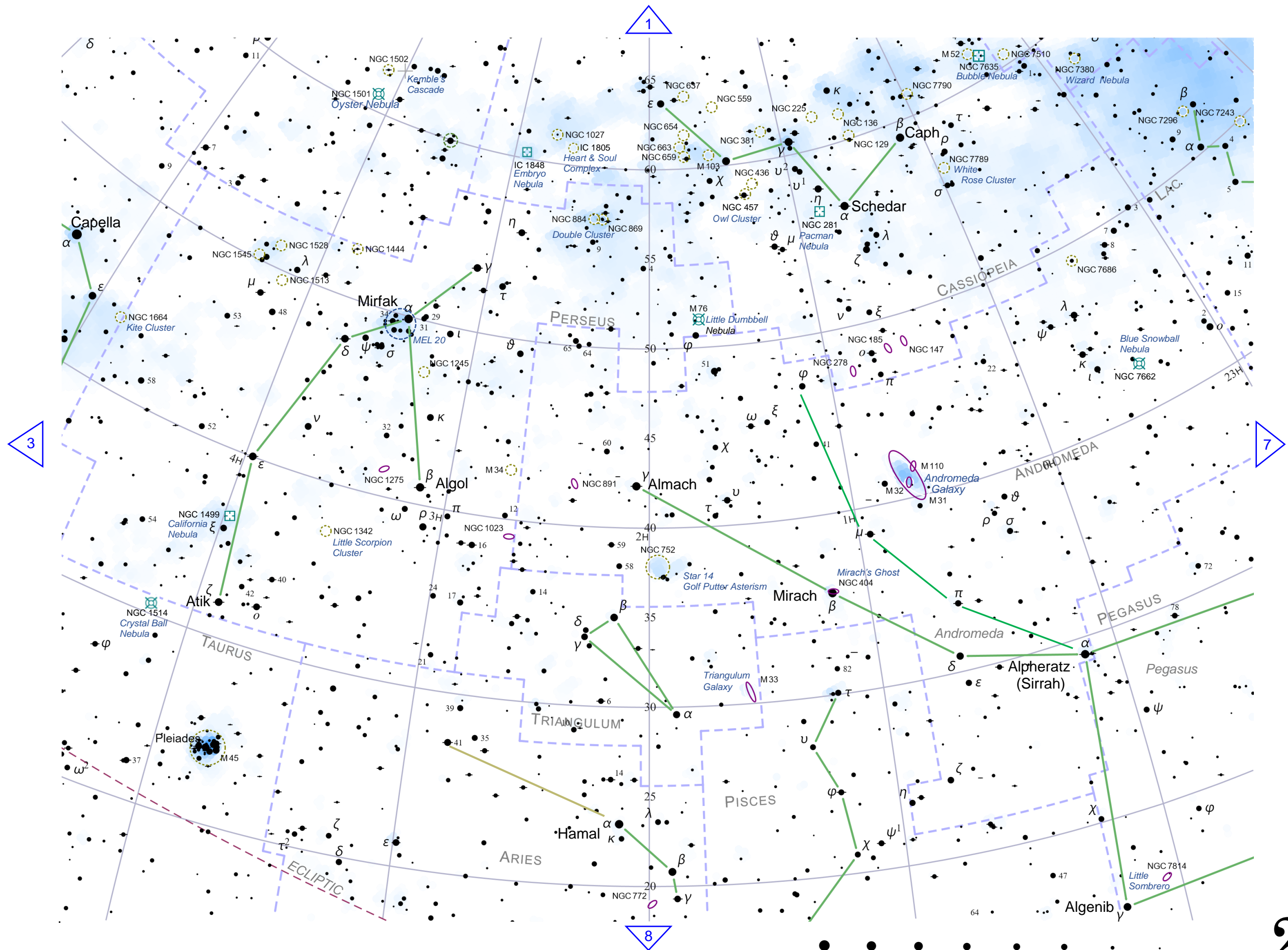


Chart 1: Declination North of -65°

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ALJ Deluxe Milky Way version with Star & DSO Names added by Mark Hoecker



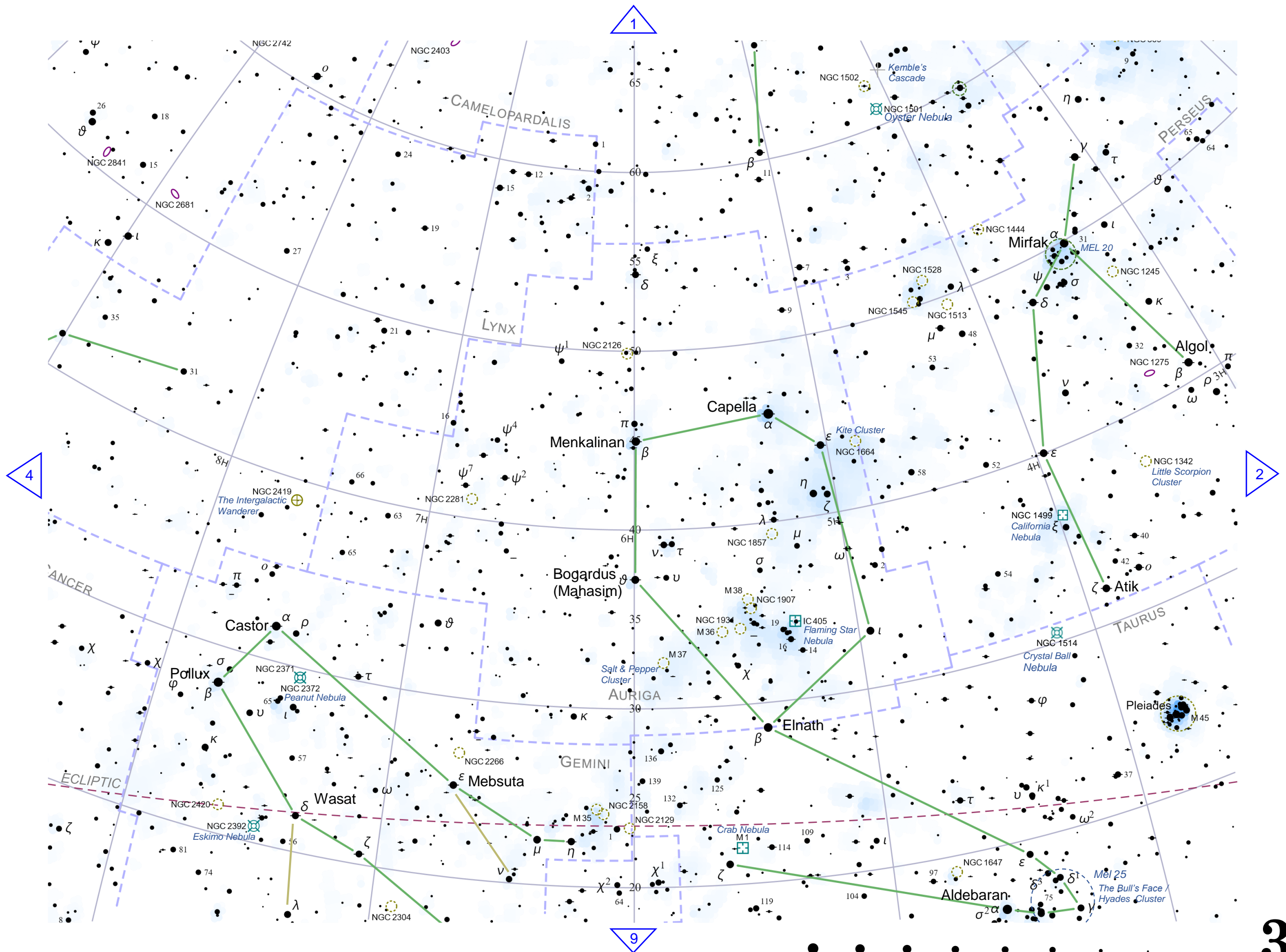


Chart 3: RA 4^h to 8^h, Declination +65° to +20°

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Magnitude: 0.0 1.0 2.0 3.0 4.0 5.0 6.0 7.0

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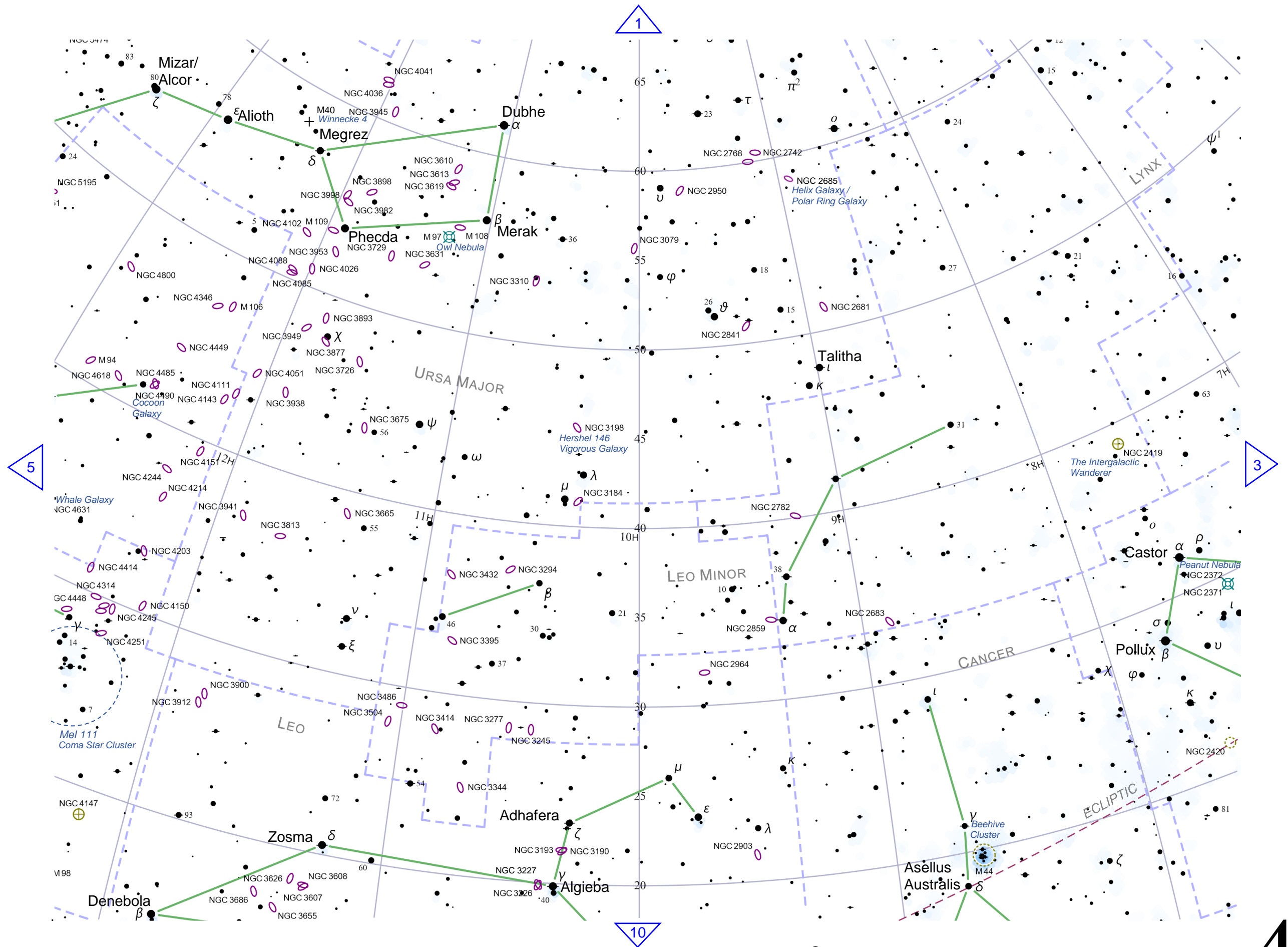


Chart 4: RA 8^h to 12^h , Declination $+65^\circ$ to $+20^\circ$

Magnitude: 0.0 1.0 2.0 3.0 4.0 5.0 6.0 7.0

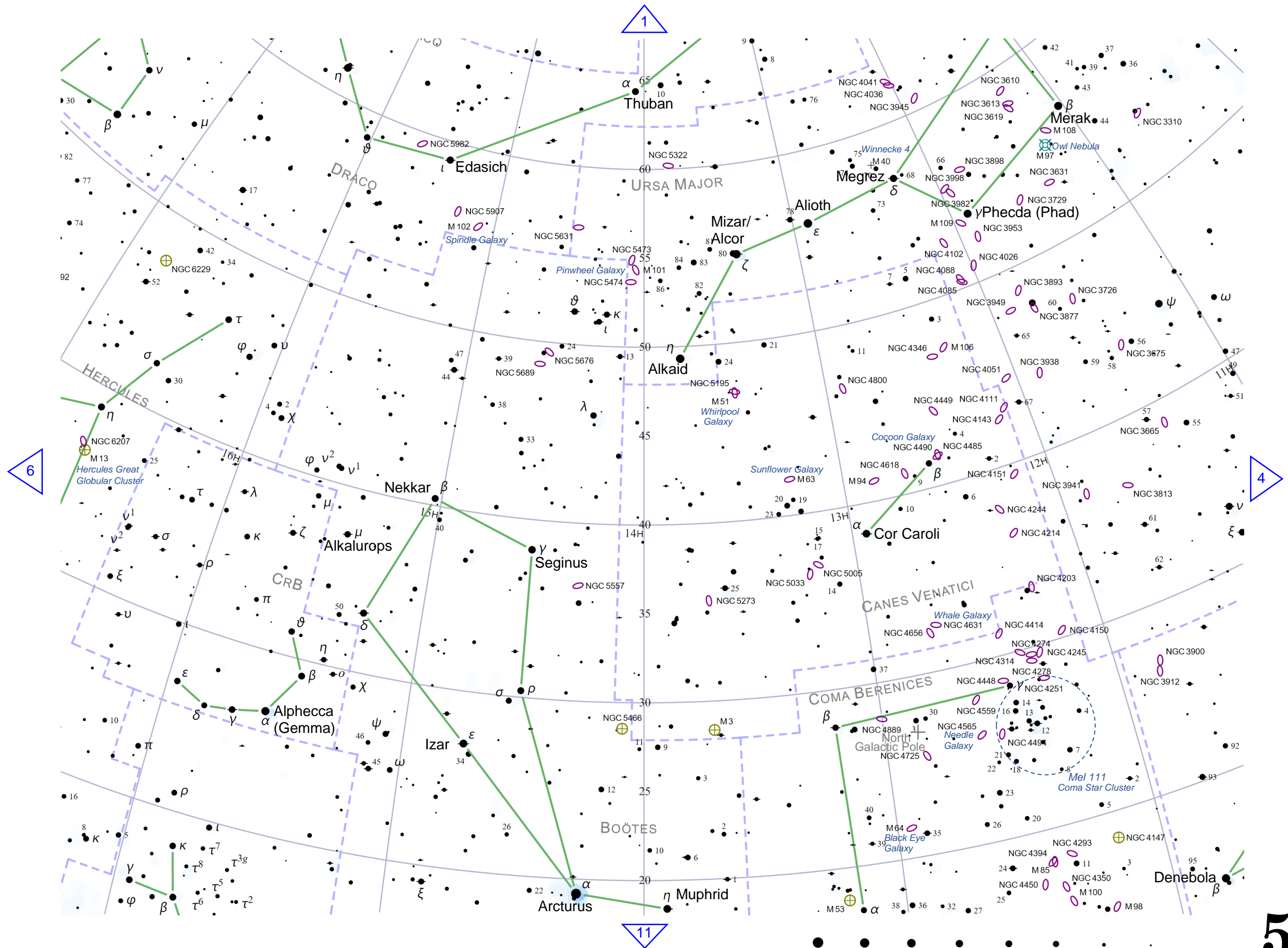


Chart 5: RA 12^h to 16^h , Declination +65° to +20°

Magnitude: 0.0 1.0 2.0 3.0 4.0 5.0 6.0 7.0

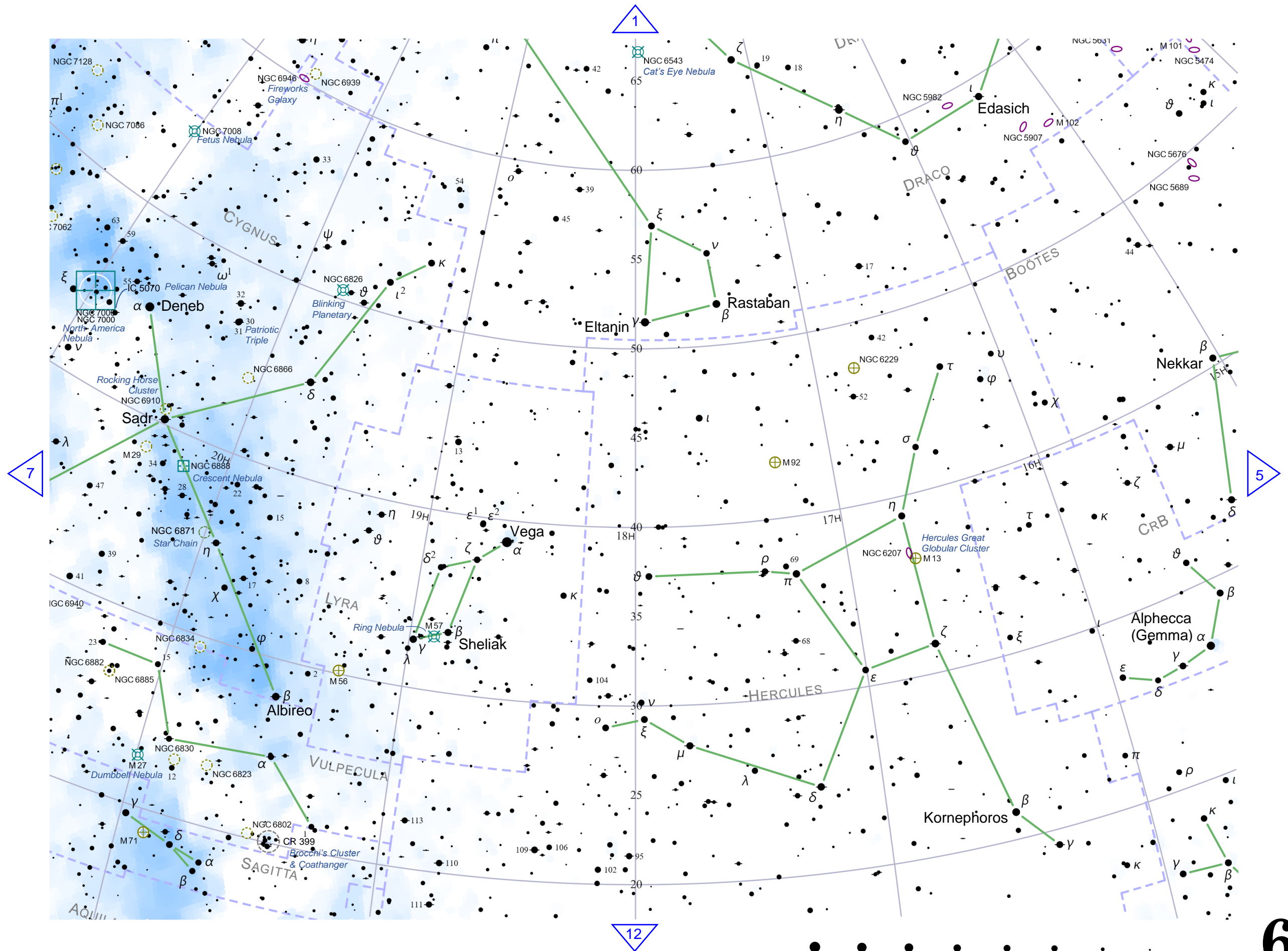


Chart 6: RA 16^h to 20^h, Declination +65° to +20°

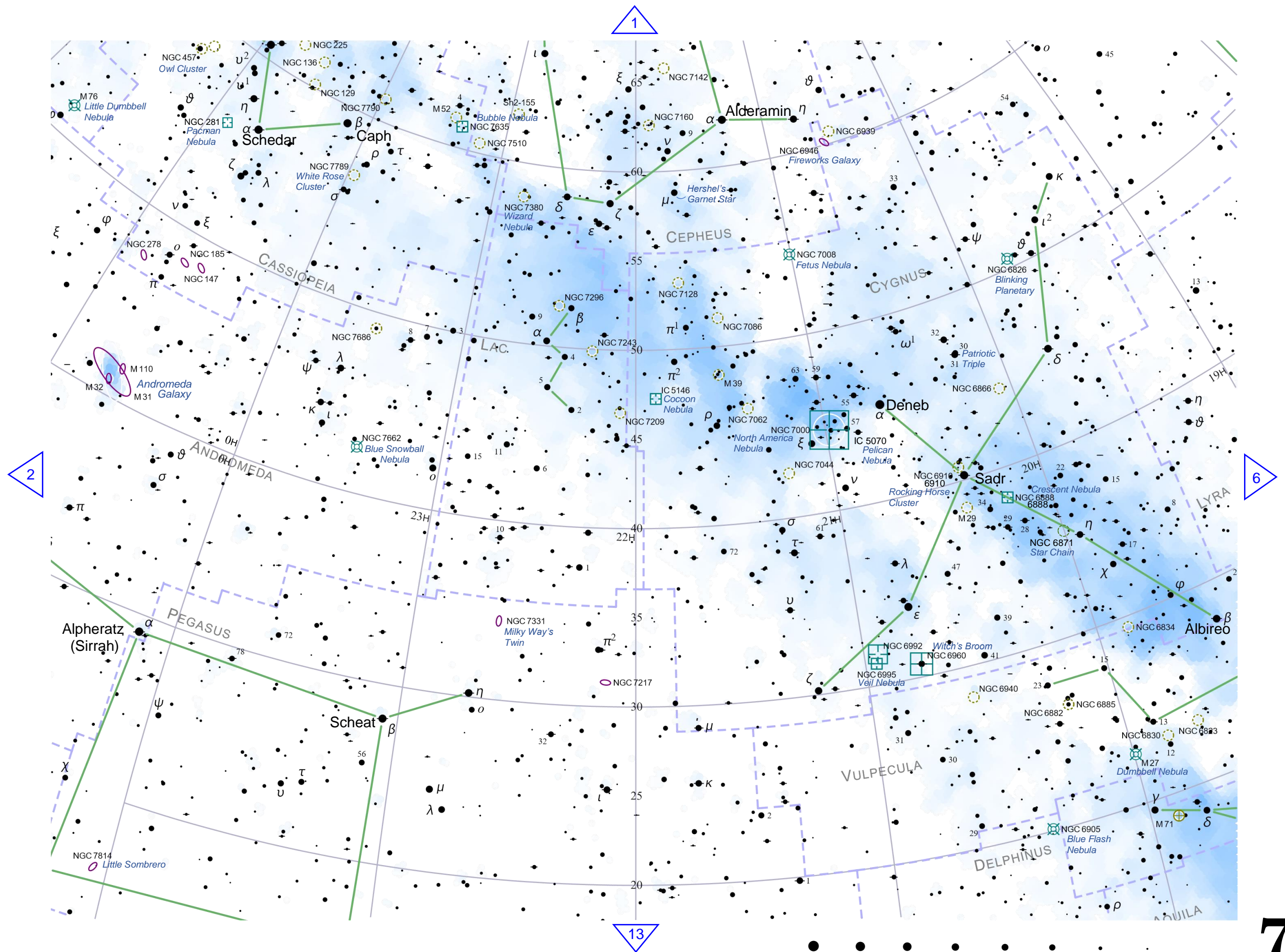


Chart 7: RA 20^h to 0^h , Declination $+65^\circ$ to $+20^\circ$

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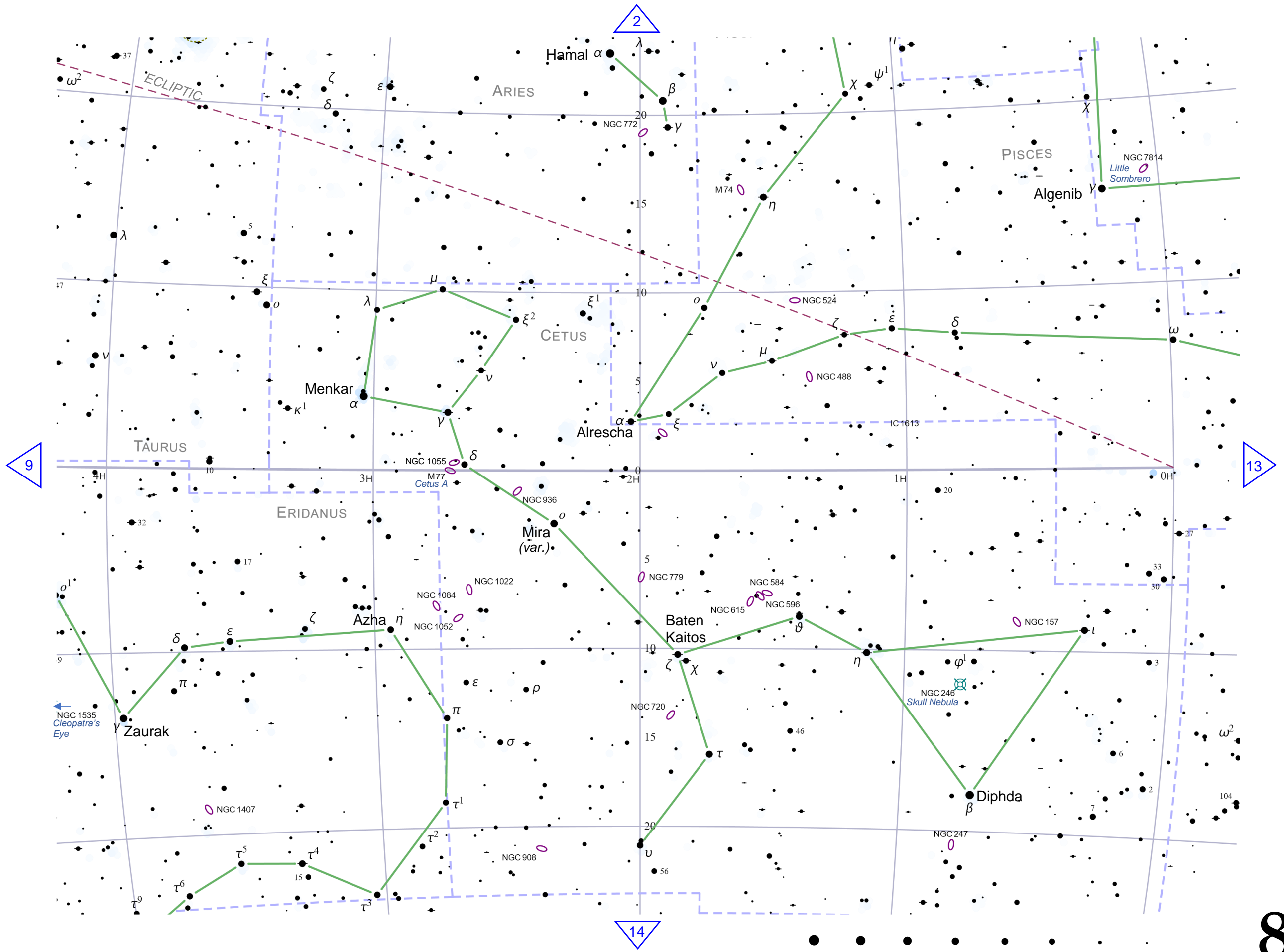


Chart 8: RA 0^h to 4^h, Declination +20° to -20°

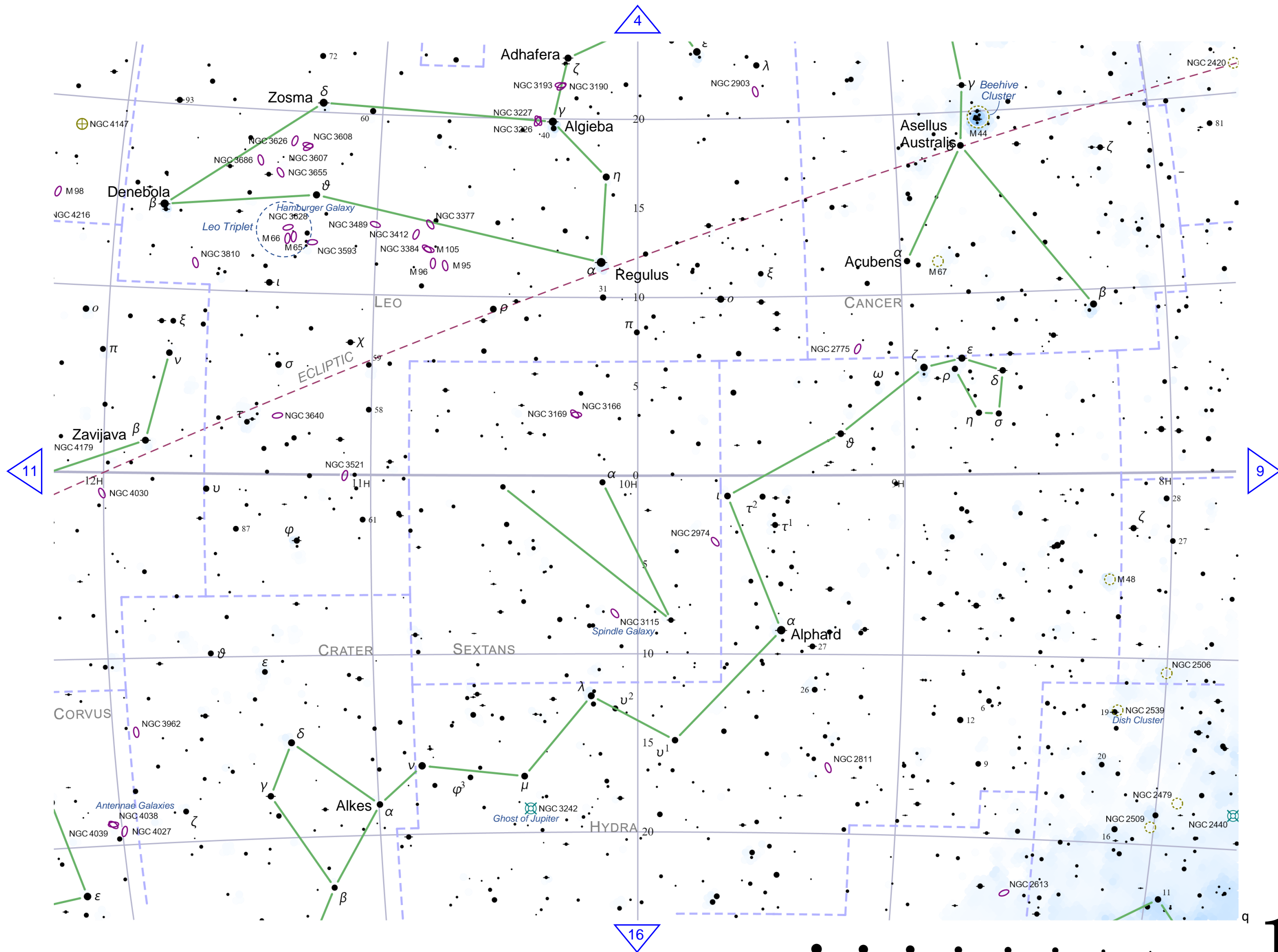


Chart 10: RA 8^h to 12^h , Declination +20° to -20°

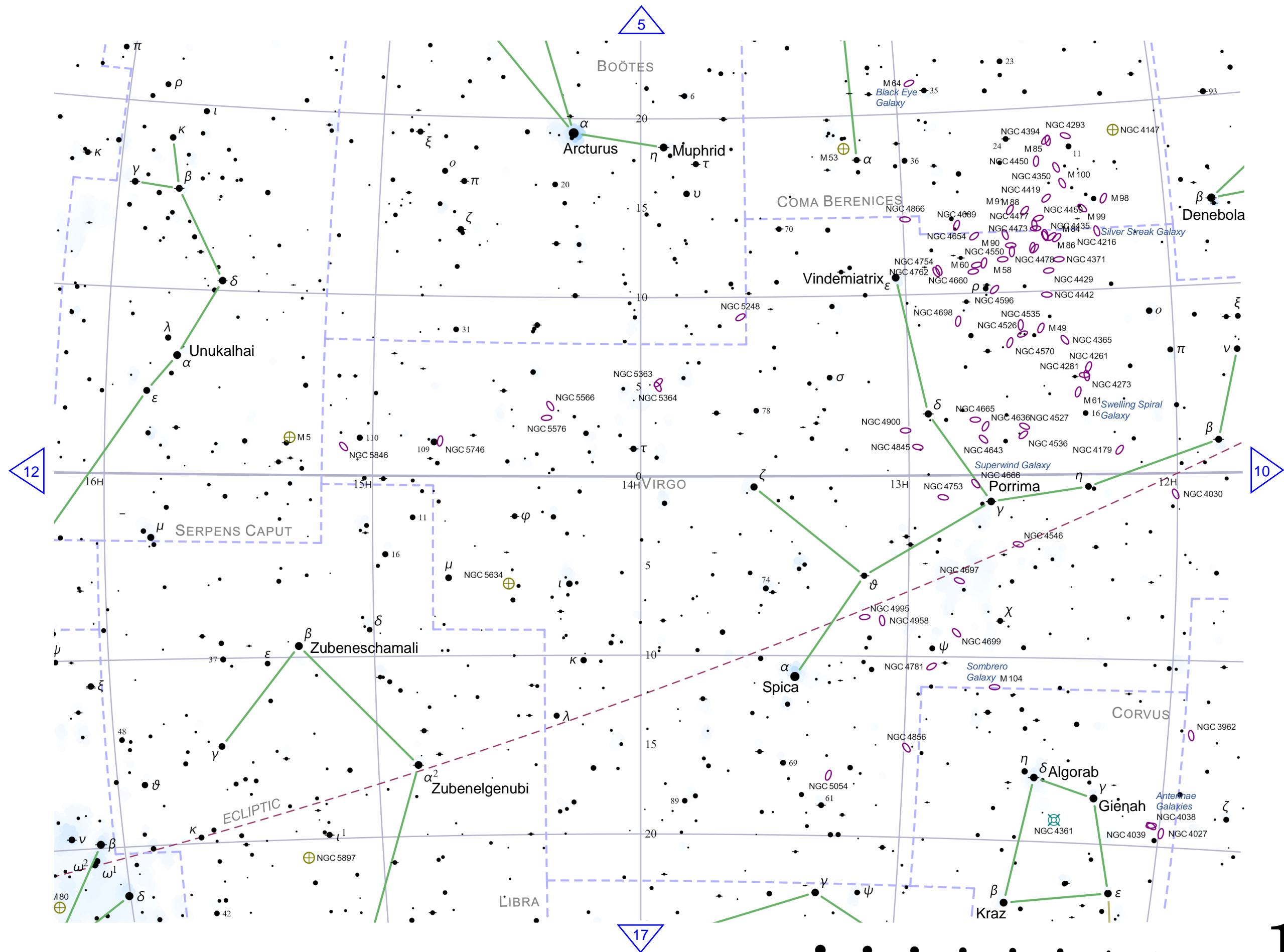


Chart 11: RA 12^h to 16^h , Declination +20° to -20°

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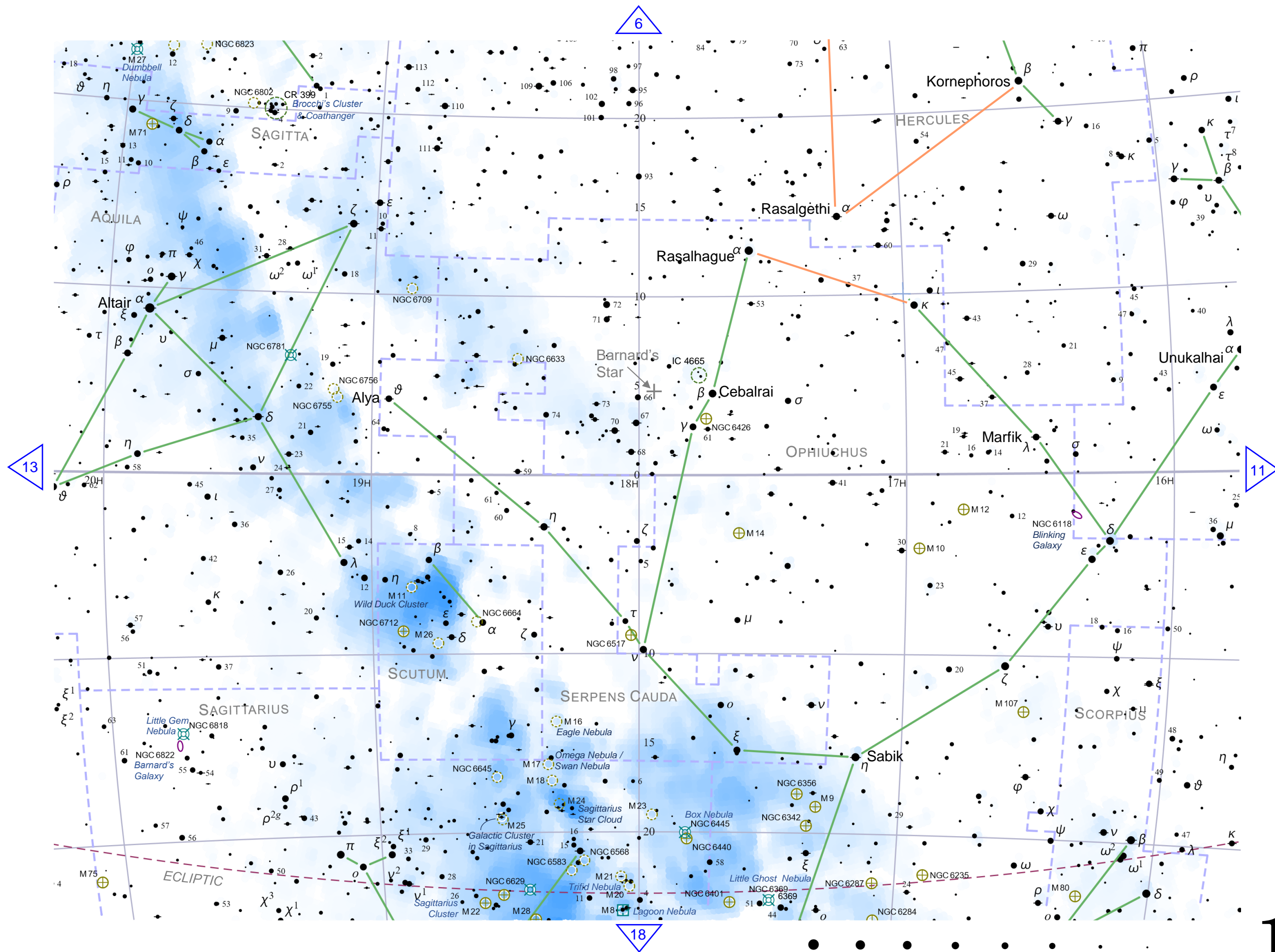


Chart 12: RA 16^h to 20^h , Declination +20^o to -20^o

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Magnitude: 0.0 1.0 2.0 3.0 4.0 5.0 6.0 7.0

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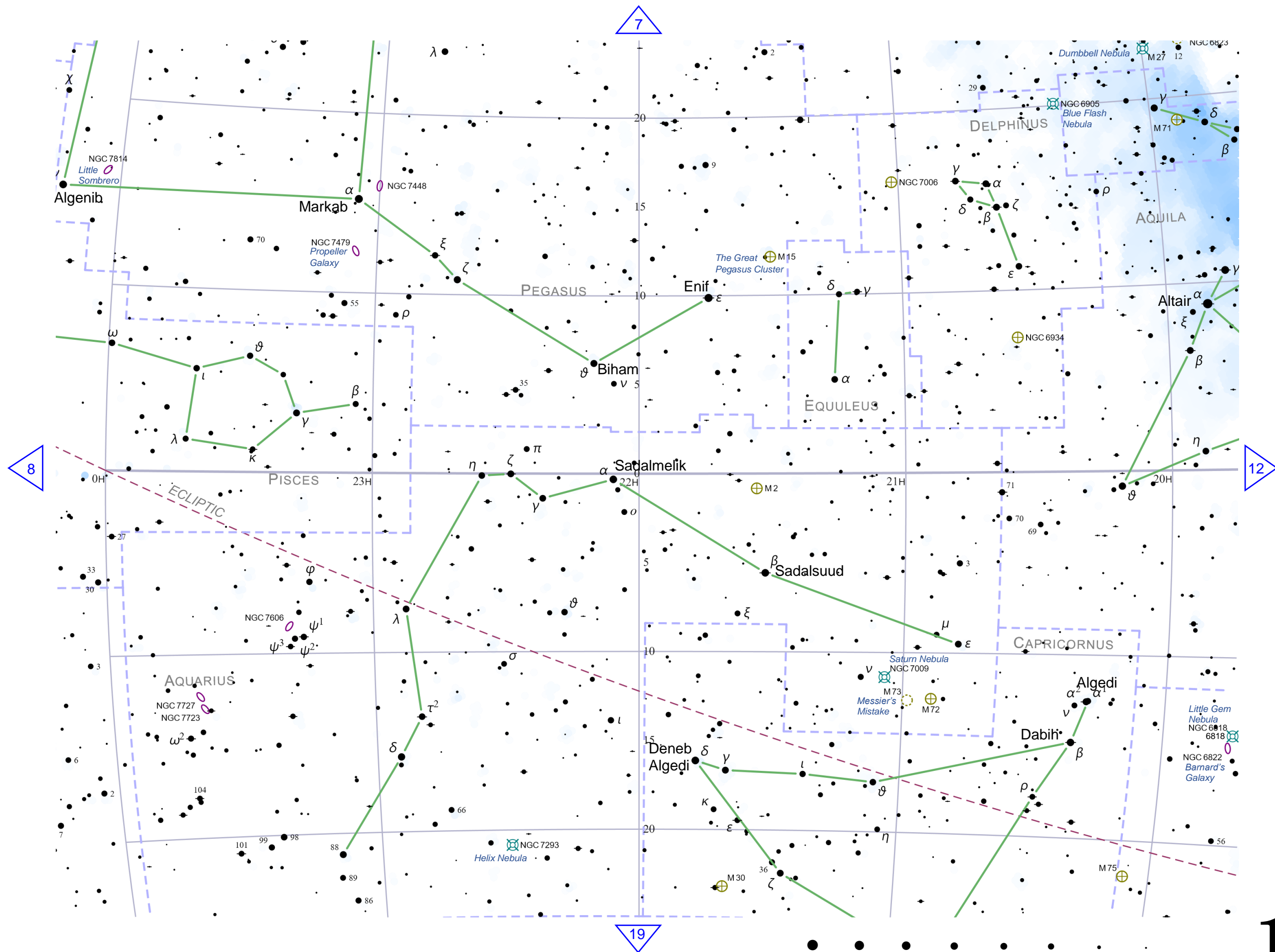


Chart 13: RA 20^h to 0^h, Declination +20° to -20°

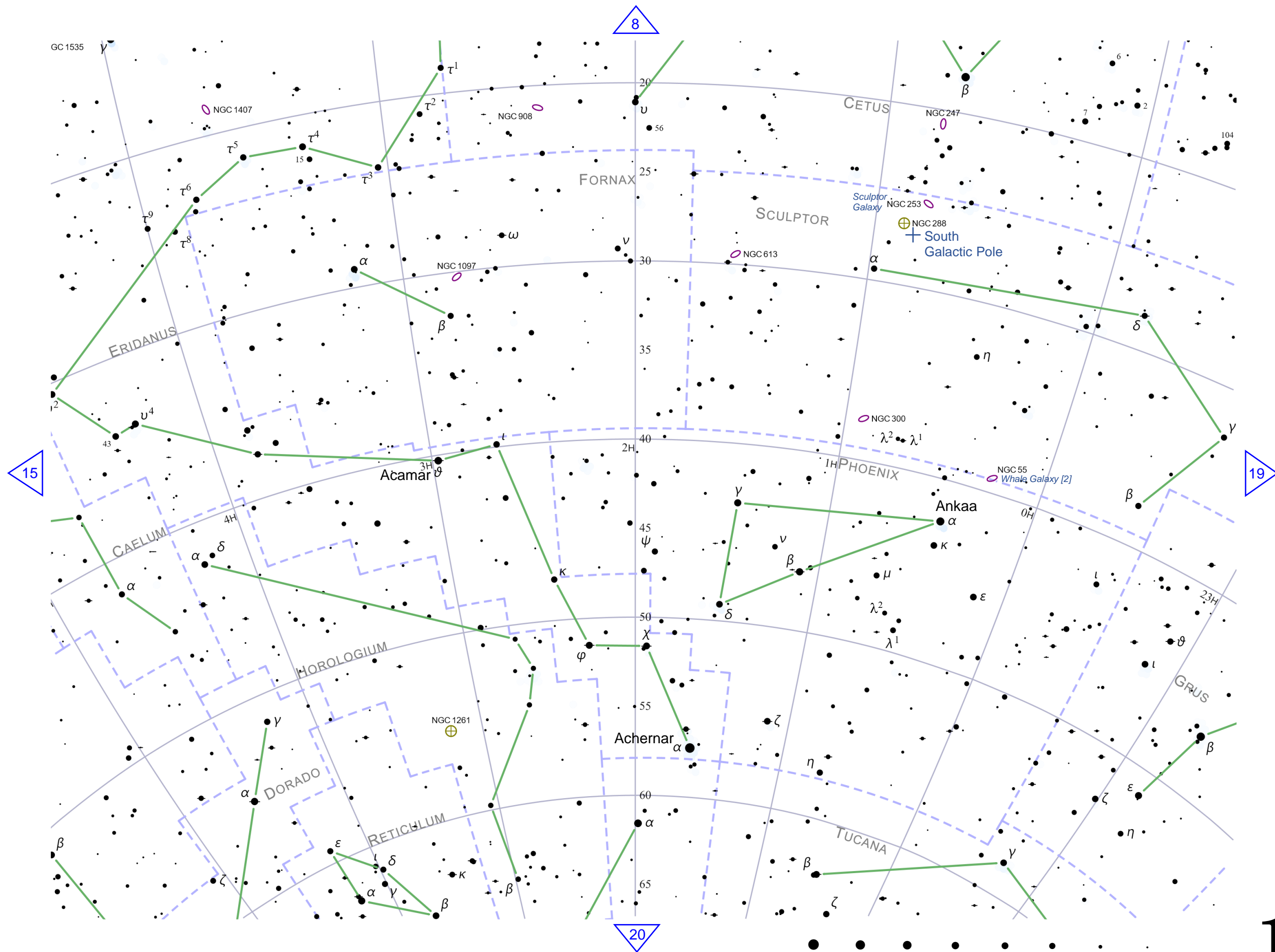


Chart 14: RA 0^h to 4^h , Declination -20° to -65°

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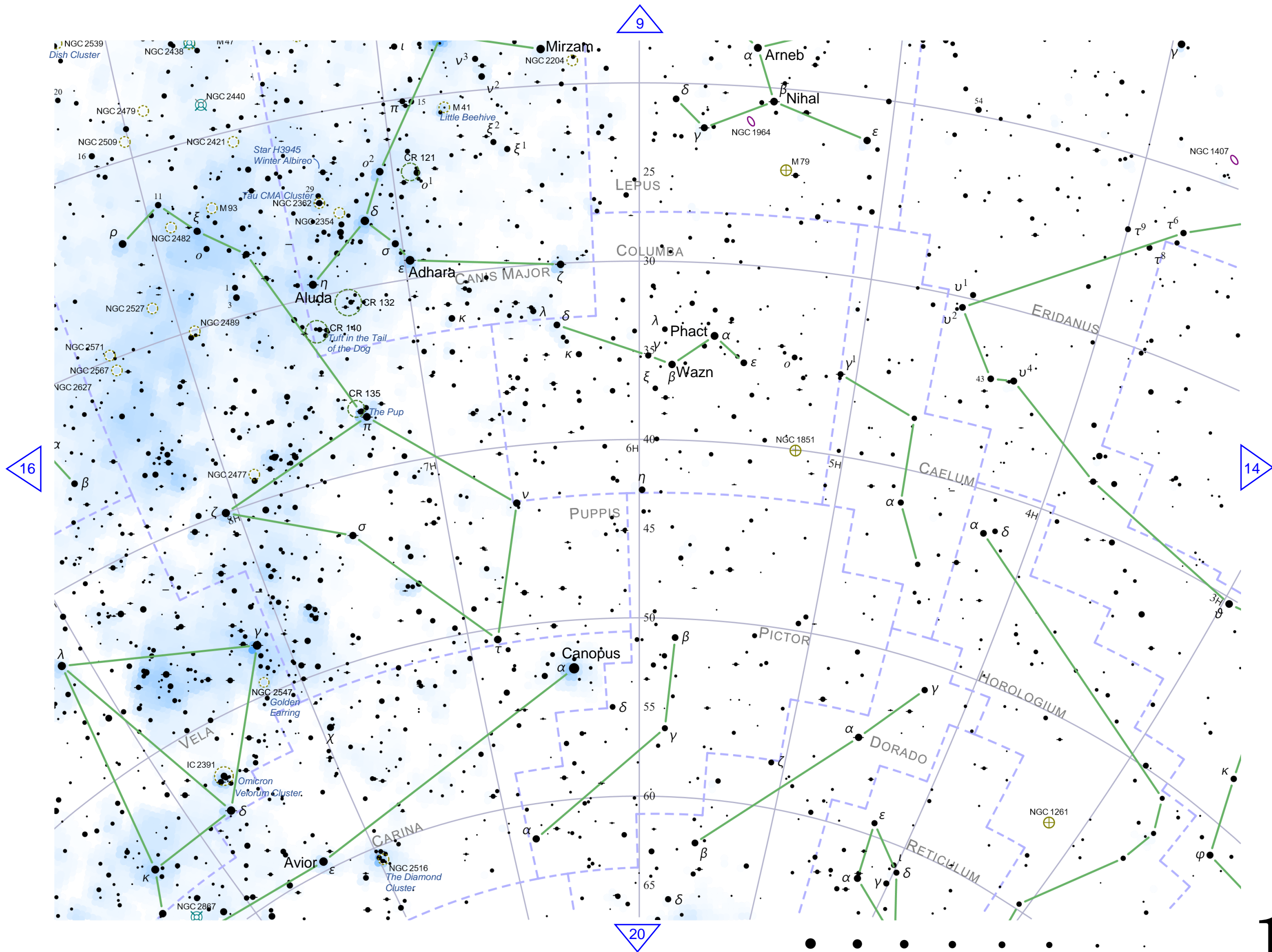


Chart 15: RA 4^h to 8^h , Declination −20° to −65°

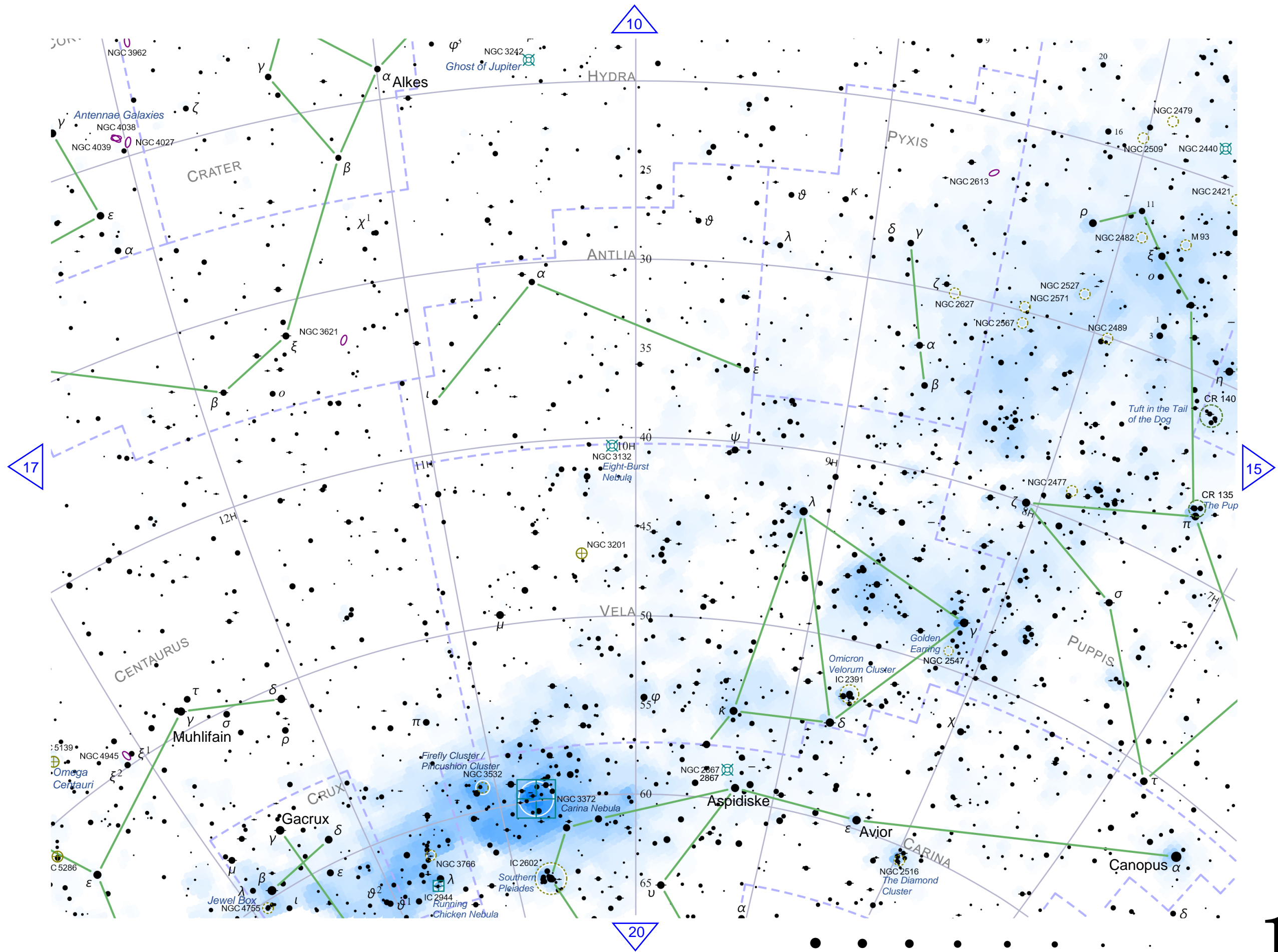


Chart 16: RA 8^h to 12^h, Declination -20° to -65°

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Magnitude: 0.0 1.0 2.0 3.0 4.0 5.0 6.0 7.0

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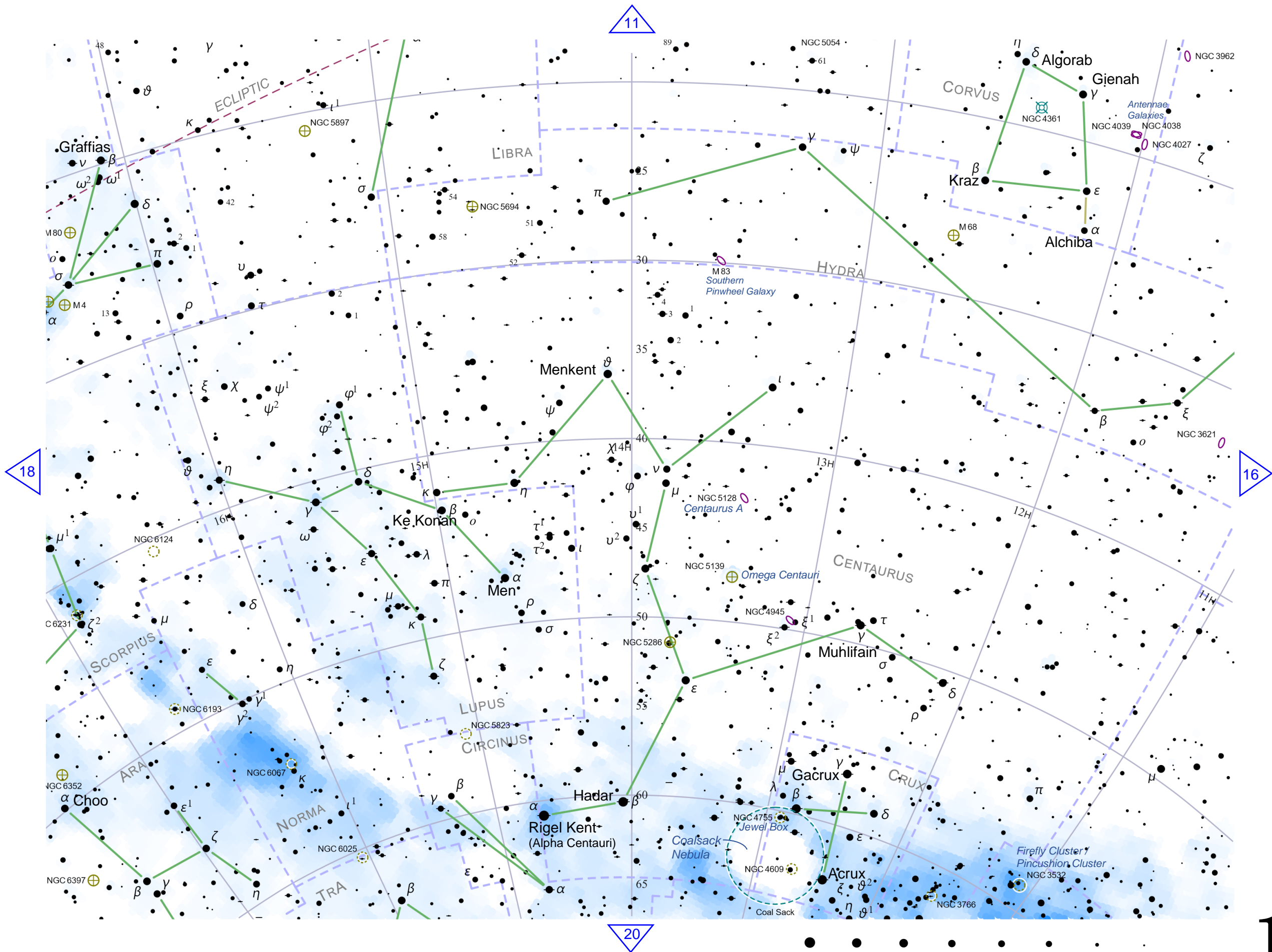


Chart 17: RA 12^h to 16^h , Declination -20° to -65°

Magnitude: 0.0 1.0 2.0 3.0 4.0 5.0 6.0 7.0

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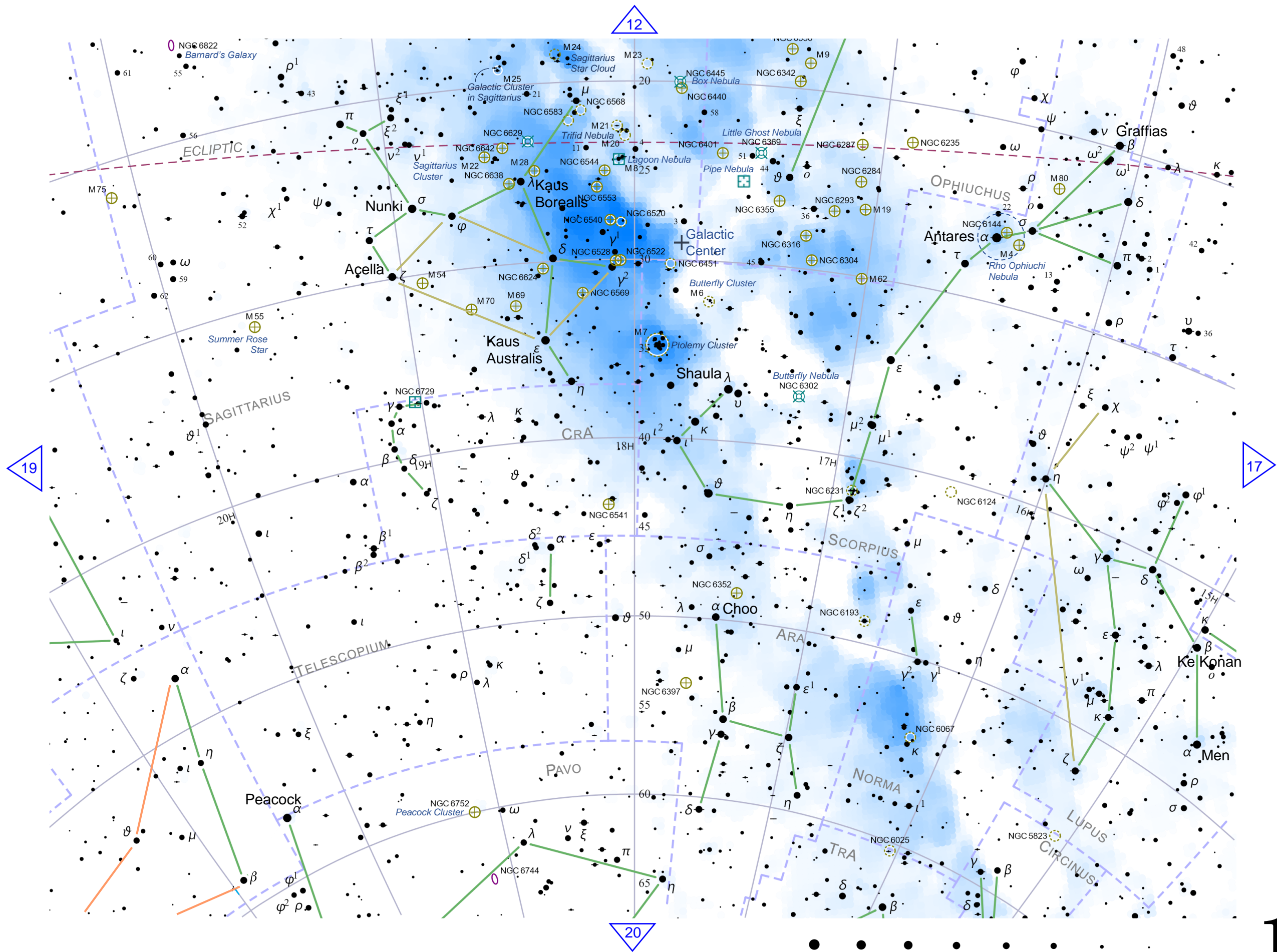


Chart 18: RA 16^h to 20^h , Declination -20° to -65°

Magnitude: 0.0 1.0 2.0 3.0 4.0 5.0 6.0 7.0

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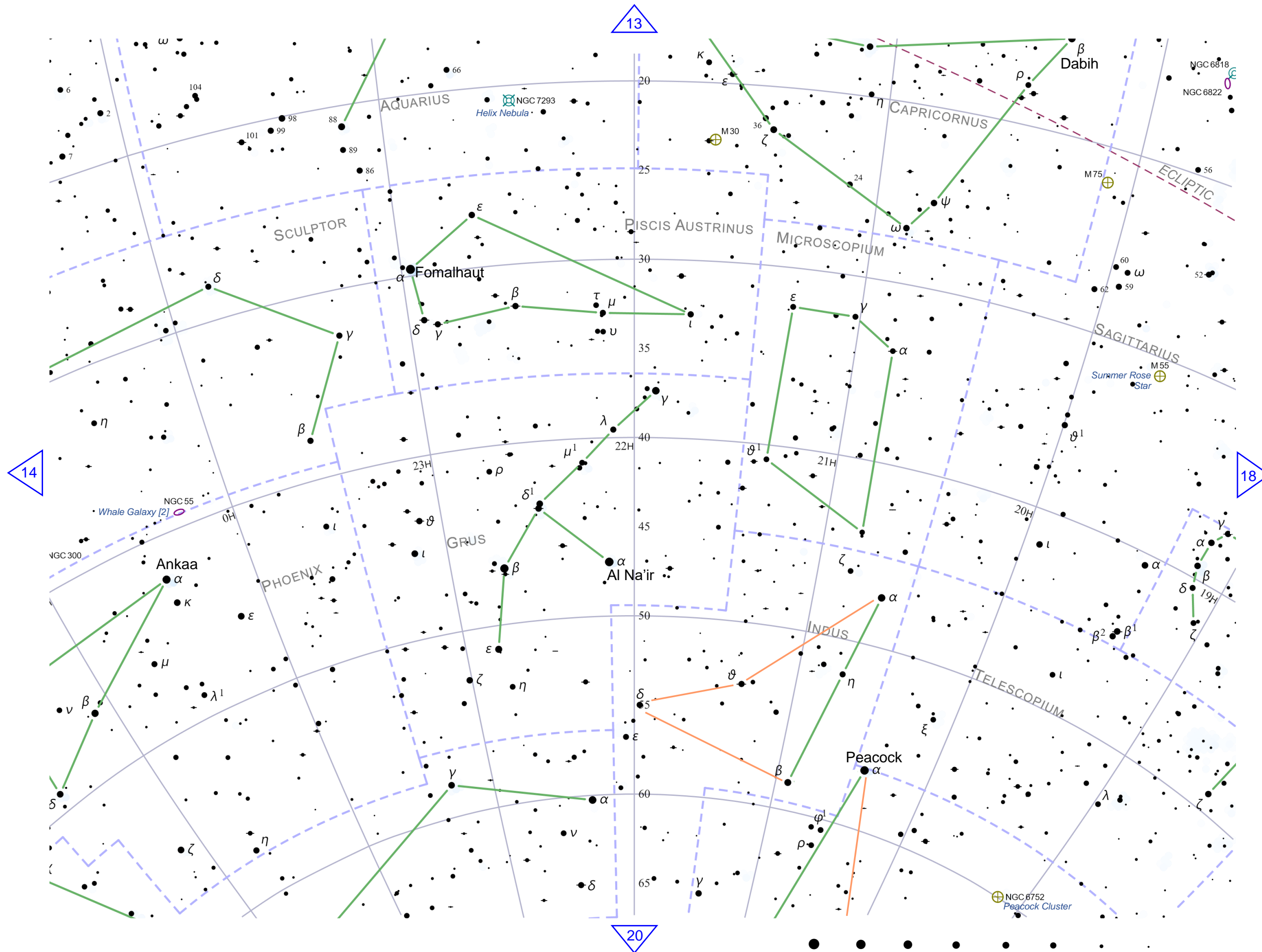


Chart 19: RA 20^h to 0^h, Declination -20° to -65°

Mag-7 Star Atlas Project (version 2.0)

Magnitude: 0.0 1.0 2.0 3.0 4.0 5.0 6.0 7.0

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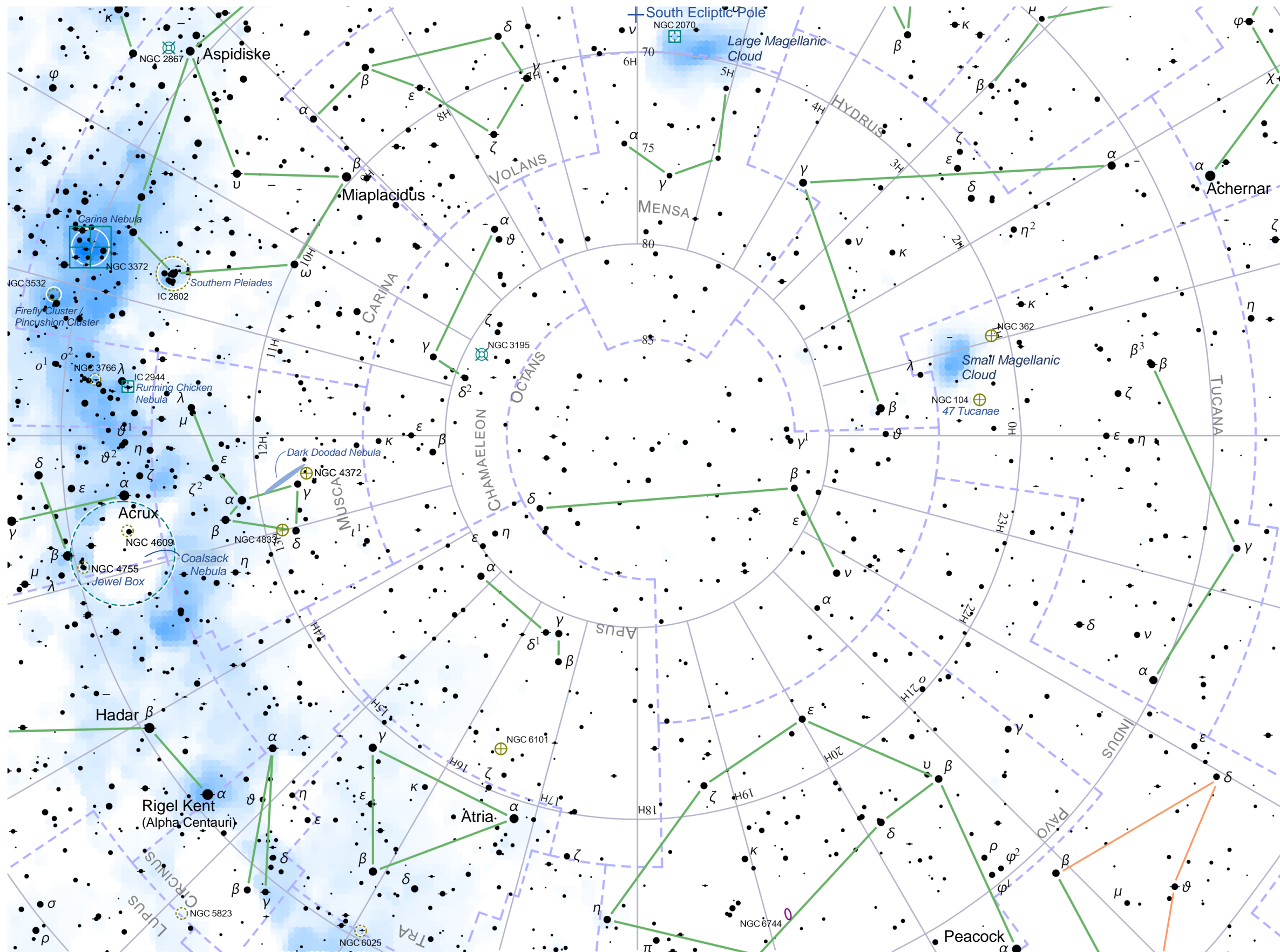


Chart 20: Declination South of -65°

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