

Step 1: Copy Star Wheel and Star Wheel Holder pages on heavy cardstock or use glue stick or doublestick tape to adhere the pages onto a file folder or heavy cardstock.

Step 3: On the Star Wheel Holder,  
fold along the 3 dotted lines.

Step 4: Tape the sides so that the Star Wheel Holder forms a pocket for the Star Wheel to go into.

**Step 5: Place the Star Wheel in the Star Wheel Holder.**

# STAR WHEEL HOLDER

UNCLE AL'S HANDS-ON UNIVERSE

## KEPLER STAR WHEEL

HOLDER FOR LATITUDES  
ABOUT 30°-50°N

NORTHERN HORIZON

EASTERN HORIZON

WESTERN HORIZON

SOUTHERN HORIZON

NASA's Kepler Mission website - [kepler.nasa.gov](http://kepler.nasa.gov)

Blue squares show the Kepler field of view (CCD array)

Green circles denote stars with exoplanets.

Star magnitudes are shown for 1st, 2nd, & 3rd mag

### Instructions for Using Uncle Al's Star Wheels

1. Align your date and time, and then look up at the sky.
2. Locate the constellation you want to find on the map.
3. Turn your map so the horizon it is closest to is at the bottom.
4. The star positions in the sky should match those on the wheel.

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Uncle Al's Star Wheels are based on LHS Sky Challengers created by Budd Wentz.  
Uncle Al's Star Wheels - <http://www.uncleal.net/uncle-als-starwheels>  
Kepler Star Wheel - <http://kepler.nasa.gov/education/starwheel/>  
[this site has latest version of starwheels, holders, and a page of star & planet details]

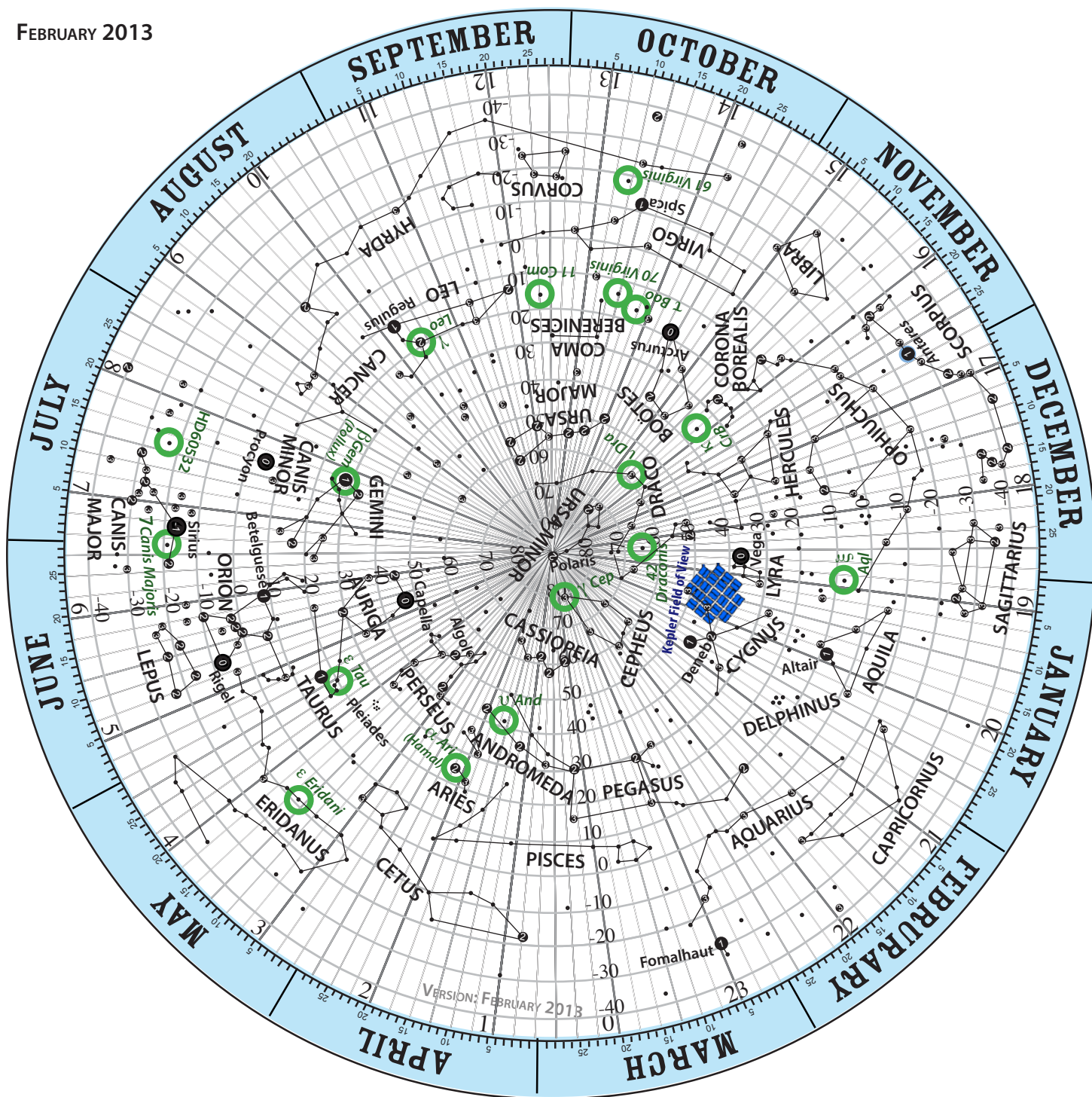
Version: February 2013

Tape

Tape



FEBRUARY 2013



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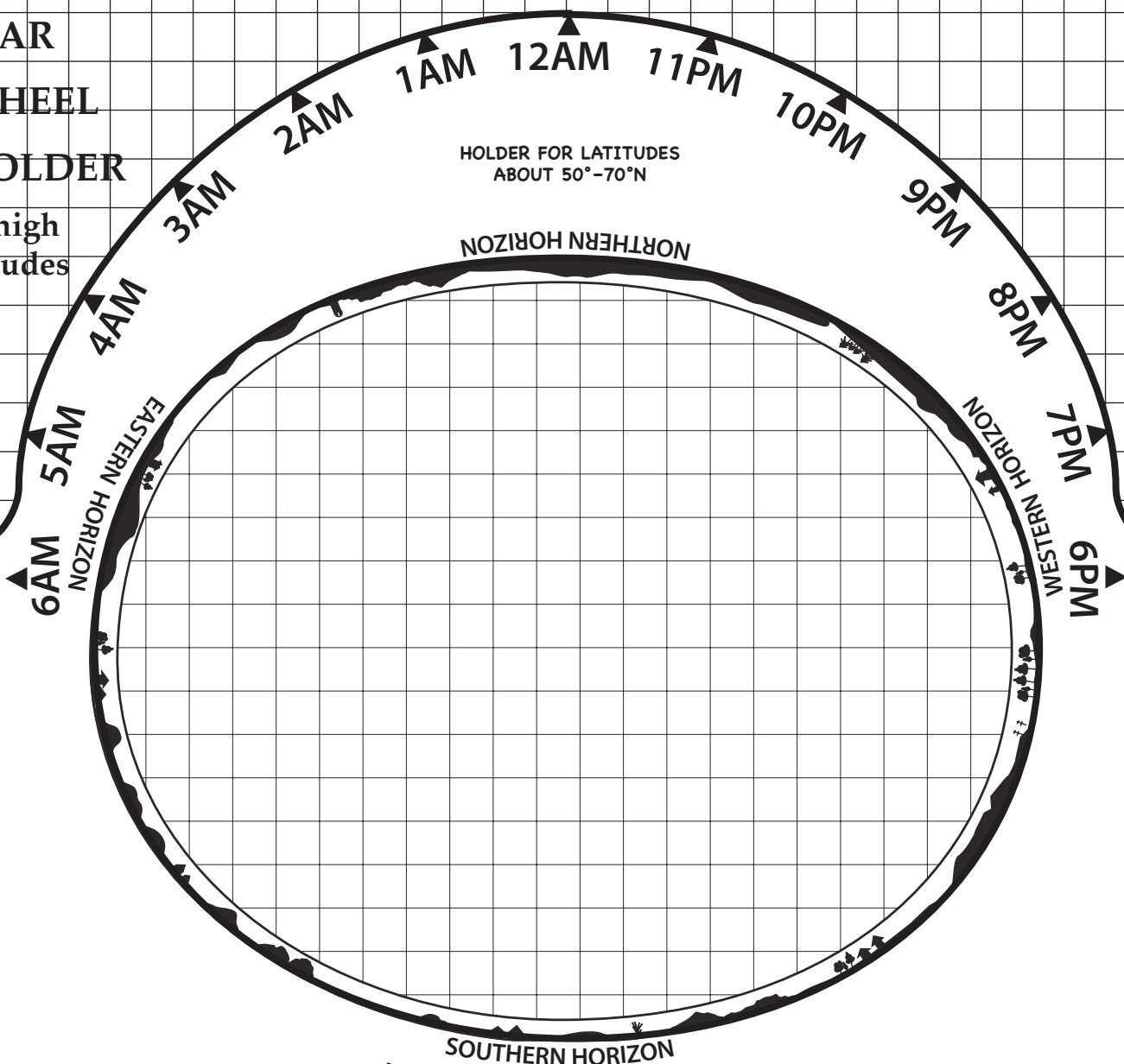


# STAR WHEEL HOLDER

for high  
latitudes

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Star magnitudes are shown for 1st, 2nd, & 3rd mag



## Uncle Al's Hands-On Universe Kepler Star Wheel

### Instructions for Using Uncle Al's Star Wheels

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Tape

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