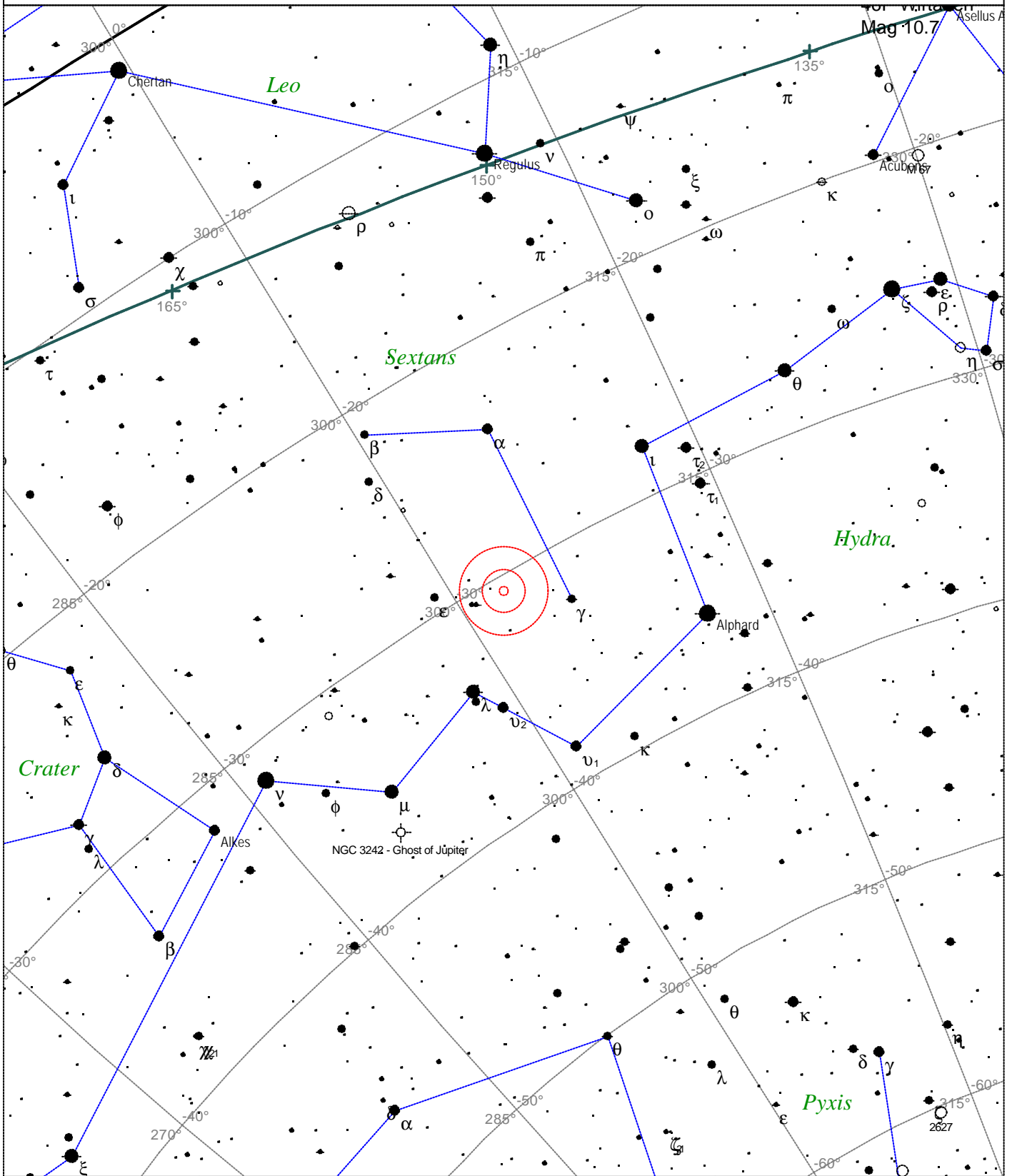


# Caldwell 53 - Spindle Galaxy



<p><b>STARS</b></p> <ul style="list-style-type: none"> <li>● &lt;3</li> <li>● 3.5</li> <li>● 4</li> <li>● 4.5</li> <li>● 5</li> <li>● 5.5</li> <li>· 6</li> <li>· 6.5</li> <li>· &gt;7</li> </ul>	<p><b>SYMBOLS</b></p> <ul style="list-style-type: none"> <li>● Multiple star</li> <li>○ Variable star</li> <li>☄ Comet</li> <li>☾ Galaxy</li> <li>□ Bright nebula</li> <li>□ Dark nebula</li> <li>⊕ Globular cluster</li> <li>○ Open cluster</li> <li>♁ Planetary nebula</li> <li>☄ Quasar</li> <li>△ Radio source</li> <li>× X-ray source</li> <li>○ Other object</li> </ul>	<p><i>Caldwell 53 - NGC 3115</i>  <i>Popular name: Spindle Galaxy</i>  <i>Type of object: Galaxy</i>  <i>Magnitude: 10.1</i>  <i>Surface brightness: 11.2 mag/sq arcmin</i>  <i>Size: 7.3'x3.4'</i>  <i>Position angle: 43°</i>  <i>Right ascension: 10h 5m 20s</i></p>
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Local Time: 19:40:11 12-Sep-2002	UTC: 19:40:11 12-Sep-2002	Sidereal Time: 18:56:39
Location: 53° 27' 0" N 2° 31' 0" W	RA: 10h05m20s Dec: -7° 43' Field: 45.0°	Julian Day: 2452530.3196