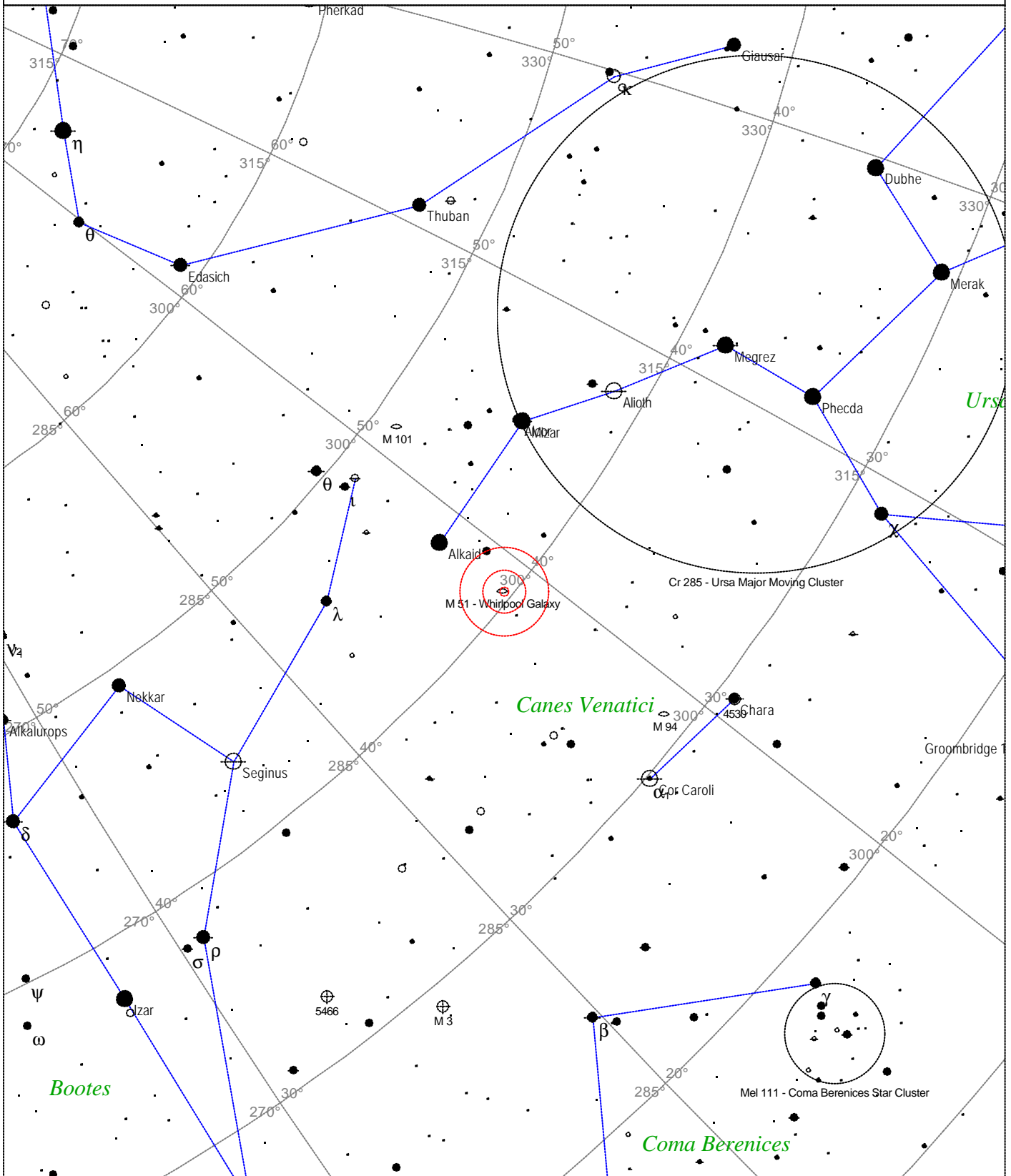


Messier 51 - Whirlpool Galaxy



STARS		SYMBOLS		
● <3	· 6	● Multiple star	□ Dark nebula	△ Radio source
● 3.5	· >6.5	○ Variable star	⊕ Globular cluster	× X-ray source
● 4		☄ Comet	○ Open cluster	○ Other object
● 4.5		☾ Galaxy	⊕ Planetary nebula	
● 5		□ Bright nebula	☄ Quasar	
● 5.5				

Messier 51 - Whirlpool Galaxy
 Type of object: Galaxy
 Magnitude: 8.9
 Surface brightness: 12.5 mag/sq arcmin
 Size: 10.8'x6.6'
 Position angle: 163°
 Right ascension: 13h 29m 57s
 Declination: +47° 11' 10"

Local Time: 19:40:11 12-Sep-2002
 Location: 53° 27' 0" N 2° 31' 0" W

UTC: 19:40:11 12-Sep-2002
 RA: 13h29m57s Dec: +47° 11' Field: 45.0°

Sidereal Time: 18:56:39
 Julian Day: 2452530.3196