

On Sunday May 30th 2021, the star Menkent rises and rolls along the horizon heralding the arrival of Christmas Australis!

The situation at 22:05 facing due south is simulated using Stellarium. (The atmosphere is included in this version to show a more realistic situation.)

Menkent
θ Cen - 5 Cen - HIP 68933 - SAO 205188 - HD 123139 - HR 5288 - WDS J14067-3622AB

Type: **double star**
Magnitude: **2.05** (reduced to **4.15** by **16.04** Airmasses)
Absolute Magnitude: 0.77
Colour Index (B-V): **1.01**
RA/Dec (J2000.0): 14h06m39.90s/-36°22'21.4"
RA/Dec (on date): 14h07m55.57s/-36°28'21.7"
HA/Dec: 23h28m50.11s/-36°13'24.5" (apparent)
Az./Alt.: +173°42'51.6"/+2°43'27.7" (apparent)
Gal. long./lat.: -40°33'03.7"/+24°04'28.7"
Supergal. long./lat.: +156°13'57.6"/+4°27'48.8"
Ecl. long./lat. (J2000.0): +222°18'21.6"/-22°05'01.2"
Ecl. long./lat. (on date): +222°35'59.0"/-22°05'08.6"
Ecliptic obliquity (on date): +23°26'14.0"
Mean Sidereal Time: 13h36m40.3s
Apparent Sidereal Time: 13h36m39.8s
Rise: 20h46m
Transit: 22h36m
Set: 0h27m
IAU Constellation: Cen
Distance: 58.82±0.21 ly
Proper motion: 766.5 mas/yr towards 226.0°
Proper motions by axes: -551.3 -532.5 (mas/yr)
Parallax: 55.450±0.200 mas
Spectral Type: K0-IIIb
Position angle (1891): 180.00°
Separation (1891): 3.000"

Arcturus

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Date and time

Date and time			Julian Day		
2021	-	5 - 30	22	:	5 : 0

Earth, Bognor Regis, 5 m FOV 72.2° 18 FPS 2021-05-30 22:05:00 UTC+01:00

The situation at 22:15 facing due south.

Menkent
θ Cen - 5 Cen - HIP 68933 - SAO 205188 - HD 123139 - HR 5288 - WDS J14067-3622AB

Type: **double star**
Magnitude: **2.05** (reduced to **4.09** by **15.53** Airmasses)
Absolute Magnitude: 0.77
Colour Index (B-V): **1.01**
RA/Dec (J2000.0): 14h06m39.90s/-36°22'21.4"
RA/Dec (on date): 14h07m55.57s/-36°28'21.7"
HA/Dec: 23h38m49.57s/-36°13'50.1" (apparent)
Az./Alt.: +175°43'36.6"/+2°51'45.2" (apparent)
Gal. long./lat.: -40°33'03.7"/+24°04'28.7"
Supergal. long./lat.: +156°13'57.6"/+4°27'48.8"
Ecl. long./lat. (J2000.0): +222°18'21.6°/-22°05'01.2°
Ecl. long./lat. (on date): +222°35'59.0°/-22°05'08.6°
Ecliptic obliquity (on date): +23°26'14.0°
Mean Sidereal Time: 13h46m41.9s
Apparent Sidereal Time: 13h46m40.9s
Rise: 20h46m
Transit: 22h36m
Set: 0h27m
IAU Constellation: Cen
Distance: 58.82±0.21 ly
Proper motion: 766.5 mas/yr towards 226.0°
Proper motions by axes: -551.3 -532.5 (mas/yr)
Parallax: 55.450±0.200 mas
Spectral Type: K0-IIIb
Position angle (1891): 180.00°
Separation (1891): 3.000"

Arcturus
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Date and time						Julian Day			
Date and time						Julian Day			
2021	-	5	-	30	22	:	15	:	0

Earth, Bognor Regis, 5 m FOV 72.2° 17.9 FPS 2021-05-30 22:15:00 UTC+01:00

The situation at 22:25 facing due south.

Menkent

θ Cen - 5 Cen - HIP 68933 - SAO 205188 - HD 123139 - HR 5288 - WDS J14067-3622AB

Type: **double star**
Magnitude: **2.05** (reduced to **4.05** by **15.24** Airmasses)
Absolute Magnitude: 0.77
Colour Index (B-V): **1.01**
RA/Dec (J2000.0): 14h06m39.90s/-36°22'21.4"
RA/Dec (on date): 14h07m55.57s/-36°28'21.7"
HA/Dec: 23h48m49.18s/-36°14'05.3" (apparent)
Az./Alt.: +177°44'34.0"/+2°56'54.0" (apparent)
Gal. long./lat.: -40°33'03.7"/+24°04'28.7"
Supergal. long./lat.: +156°13'57.6"/+4°27'48.8"
Ecl. long./lat. (J2000.0): +222°18'21.6°/-22°05'01.2°
Ecl. long./lat. (on date): +222°35'59.0°/-22°05'08.6°
Ecliptic obliquity (on date): +23°26'14.0°
Mean Sidereal Time: 13h56m43.6s
Apparent Sidereal Time: 13h56m42.5s
Rise: 20h46m
Transit: 22h36m
Set: 0h27m
IAU Constellation: Cen
Distance: 58.82±0.21 ly
Proper motion: 766.5 mas/yr towards 226.0°
Proper motions by axes: -551.3 -532.5 (mas/yr)
Parallax: 55.450±0.200 mas
Spectral Type: K0-IIIb
Position angle (1891): 180.00°
Separation (1891): 3.000"

Arcturus

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Date and time						Julian Day			
Date and time						Julian Day			
2021	-	5	-	30	22	:	25	:	0

Earth, Bognor Regis, 5 m FOV 72.2° 17.9 FPS 2021-05-30 22:25:00 UTC+01:00

The situation at 22:35 facing due south.

Menkent
θ Cen - 5 Cen - HIP 68933 - SAO 205188 - HD 123139 - HR 5288 - WDS J14067-3622AB

Type: **double star**
 Magnitude: **2.05** (reduced to **4.03** by **15.12** Airmasses)
 Absolute Magnitude: 0.77
 Colour Index (B-V): **1.01**
 RA/Dec (J2000.0): 14h06m39.90s/-36°22'21.4"
 RA/Dec (on date): 14h07m55.57s/-36°28'21.7"
 HA/Dec: 23h58m48.86s/-36°14'11.0" (apparent)
 Az./Alt.: +179°45'38.1"/+2°58'52.2" (apparent)
 Gal. long./lat.: -40°33'03.7"/+24°04'28.7"
 Supergal. long./lat.: +156°13'57.6"/+4°27'48.8"
 Ecl. long./lat. (J2000.0): +222°18'21.6°/-22°05'01.2°
 Ecl. long./lat. (on date): +222°35'59.0°/-22°05'08.6°
 Ecliptic obliquity (on date): +23°26'14.0°
 Mean Sidereal Time: 14h06m45.2s
 Apparent Sidereal Time: 14h06m44.2s
 Rise: 20h46m
 Transit: 22h36m
 Set: 0h27m
 IAU Constellation: Cen
 Distance: 58.82±0.21 ly
 Proper motion: 766.5 mas/yr towards 226.0°
 Proper motions by axes: -551.3 -532.5 (mas/yr)
 Parallax: 55.450±0.200 mas
 Spectral Type: K0-IIIb
 Position angle (1891): 180.00°
 Separation (1891): 3.000"

Arcturus
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Date and time
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Earth, Bognor Regis, 5 m FOV 72.2° 17.9 FPS 2021-05-30 22:35:00 UTC+01:00

The situation at 22:26 facing due south. (Menkent at maximum altitude of 2° 44' 42.9")

Menkent

θ Cen - 5 Cen - HIP 68933 - SAO 205188 - HD 123139 - HR 5288 - WDS J14067-3622AB

Type: **double star**
Magnitude: **2.05** (reduced to **4.03** by **15.12** Airmasses).
Absolute Magnitude: 0.77
Colour Index (B-V): **1.01**
RA/Dec (J2000.0): 14h06m39.90s/-36°22'21.4"
RA/Dec (on date): 14h07m55.57s/-36°28'21.7"
HA/Dec: 23h59m48.83s/-36°14'11.1" (apparent)
Az./Alt.: +179°57'44.6"/+2°58'53.5" (apparent)
Gal. long./lat.: -40°33'03.7"/+24°04'28.7"
Supergal. long./lat.: +156°13'57.6"/+4°27'48.8"
Ecl. long./lat. (J2000.0): +222°18'21.6"/-22°05'01.2"
Ecl. long./lat. (on date): +222°35'59.0"/-22°05'08.6"
Ecliptic obliquity (on date): +23°26'14.0"
Mean Sidereal Time: 14h07m45.4s
Apparent Sidereal Time: 14h07m44.4s
Rise: 20h46m
Transit: 22h36m
Set: 0h27m
IAU Constellation: Cen
Distance: 58.82±0.21 ly
Proper motion: 766.5 mas/yr towards 226.0°
Proper motions by axes: -551.3 -532.5 (mas/yr)
Parallax: 55.450±0.200 mas
Spectral Type: K0-IIIb
Position angle (1891): 180.00°
Separation (1891): 3.000"

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Date and time					
Date and time			Julian Day		
2021	-	5	-	30	
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Earth, Bognor Regis, 5 m FOV 72.2° 17.9 FPS 2021-05-30 22:36:00 UTC+01:00

The situation at 23:00 facing due south.

Menkent
θ Cen - 5 Cen - HIP 68933 - SAO 205188 - HD 123139 - HR 5288 - WDS J14067-3622AB

Type: **double star**
 Magnitude: **2.05** (reduced to **4.10** by **15.65** Airmasses)
 Absolute Magnitude: 0.77
 Colour Index (B-V): **1.01**
 RA/Dec (J2000.0): 14h06m39.90s/-36°22'21.4"
 RA/Dec (on date): 14h07m55.57s/-36°28'21.7"
 HA/Dec: 0h23m47.95s/-36°13'44.4" (apparent)
 Az./Alt.: +184°48'08.3"/+2°49'52.7" (apparent)
 Gal. long./lat.: -40°32'03.7"/+24°04'28.7"
 Supergal. long./lat.: +156°13'57.6"/+4°27'48.8"
 Ecl. long./lat. (J2000.0): +222°18'21.6"/-22°05'01.2"
 Ecl. long./lat. (on date): +222°35'59.0"/-22°05'08.6"
 Ecliptic obliquity (on date): +23°26'14.0"
 Mean Sidereal Time: 14h31m49.3s
 Apparent Sidereal Time: 14h31m48.3s
 Rise: 20h45m
 Transit: 22h36m
 Set: 0h27m
 IAU Constellation: Cen
 Distance: 58.82±0.21 ly
 Proper motion: 766.5 mas/yr towards 226.0°
 Proper motions by axes: -551.3 -532.5 (mas/yr)
 Parallax: 55.450±0.200 mas
 Spectral Type: K0-IIIb
 Position angle (1891): 180.00°
 Separation (1891): 3.000"

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Date and time						Julian Day			
Date and time						Julian Day			
2021	-	5	-	30	23	:	0	:	0

Earth, Bognor Regis, 5 m FOV 72.2° 17.9 FPS 2021-05-30 23:00:00 UTC+01:00