## Star Phases for the 15 Brightest Stars at Nanaimo

Common	Scientific	m	RA	DEC	Temp (color)														
Name	Name					Jan 1	Jan 11	Jan 21	Jan 31	Feb 10	Feb 20	Mar 1	Mar 11	Mar 21	Mar 31	Apr 10	Apr 20	Apr 30	May 10
Sirius	α Canis Majoris	-1.5	6h 45m	-16.7°	9400K (bluish)														
Vega	α Lyrae	0.0	18h 37m	+38.8°	9790K (bluish)	<b>~</b>	$\checkmark$	✓	✓	✓	$\checkmark$	$\checkmark$	✓	$\checkmark$	✓	✓	✓	✓	✓
Capella	α Aurigae	0.0	5h 17m	+46.0°	4800K (yellowish)	<b>~</b>	✓	✓	✓	<b>✓</b>	✓	✓	✓	✓	✓	✓	<b>⋖</b>	✓	✓
Arcturus	α Boötis	0.0	14h 16m	+19.2°	4530K (orangish)	<b>~</b>	✓	✓	✓	<b>⋖</b>	✓	✓	✓	✓	✓	✓	<b>⋖</b>	✓	✓
Rigel	β Orionis	0.1	5h 15m	-8.2°	11100K (blluish)														
Procyon	α Canis Minoris	0.4	7h 39m	+5.2°	6650K (white)														
Altair	α Aquilae	0.8	19h 51m	+8.9°	7830K (white)	<b>~</b>	<b>⋖</b>	<b>⋖</b>	✓	<b>✓</b>	✓	<b>⋖</b>	✓	<b>✓</b>	✓	✓	<b>⋖</b>	<b>⋖</b>	✓
Betelgeuse	α Orionis	0.5	5h 55m	+7.4°	3600K (reddish)														
Aldebaran	α Tauri	0.8	4h 36m	+16.5°	3900K (reddish)														
Spica	a Virginis	1.0	13h 25m	-11.2°	26200K (bluish)	<b>~</b>	✓	✓	✓	<b>✓</b>	✓	<b>⋖</b>	✓	✓	✓	⋖			
Pollux	β Geminorum	1.1	7h 45m	+28.0°	4660K (orangish)	<b>~</b>	✓	✓	⋖										
Antares	a Scorpii	1.0	16h 29m	-26.4°	3500K (reddish)	<b>~</b>	✓	✓	✓	✓	✓	<b>⋖</b>	✓	<b>⋖</b>	✓	✓	<b>⋖</b>	<b>⋖</b>	✓
Fomalhaut	a Piscis Austrini	1.2	22h 58m	-29.6°	8730K (white)														⋖
Deneb	α Cygni	1.2	20h 41m	+45.3°	9380K (bluish)	<b>✓</b>	<b>✓</b>	<b>✓</b>	✓	<b>✓</b>	<b>✓</b>	✓	✓	✓	<b>⋖</b>	<b>✓</b>	<b>✓</b>	✓	✓
Regulus	α Leonis	1.3	10h 8m	+12.0°	12700K (bluish)	<b>~</b>	✓	✓	✓	✓	✓								

Common				Above I	Horizon at	Sunrise														
Name	May 20	May 30	Jun 9	Jun 19	Jun 29	Jul 9	Jul 19	Jul 29	Aug 8	Aug 18	Aug 28	Sep 7	Sep 17	Sep 27	Oct 7	Oct 17	Oct 27	Nov 6	Nov 16	Nov 26
Sirius										⋖	✓	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	✓	$\checkmark$	$\checkmark$	⋖	•
Vega	✓	✓	<b>✓</b>	✓	✓	<b>✓</b>	✓	✓	✓	✓	✓	<b>✓</b>	⋖			⋖	✓	<b>⋖</b>	✓	✓
Capella	✓	✓	✓	✓	✓	<b>✓</b>	✓	<b>✓</b>	✓	<b>✓</b>	✓	✓	✓	✓	✓	✓	✓	<b>⋖</b>	✓	✓
Arcturus	✓	⋖													ゼ	⋖	✓	<b>✓</b>	✓	✓
Rigel							✓	✓	<b>✓</b>	<b>✓</b>	✓	✓	✓	<b>✓</b>	<b>✓</b>	✓	<b></b>	✓	•	
Procyon									⋖	✓	✓	✓	$\checkmark$	<b>✓</b>	<b>✓</b>	✓	<b>~</b>	<b>✓</b>	✓	✓
Altair	✓	$\checkmark$	$\checkmark$	$\checkmark$	✓	<b>✓</b>	<b>✓</b>	<b>✓</b>	⋖	•										
Betelgeuse							✓	✓	<b>✓</b>	$\checkmark$	<b>~</b>	✓	ゼ							
Aldebaran				⋖	✓	<b>✓</b>	✓	<b>⋖</b>	<b>✓</b>	<b>✓</b>	✓	<b>✓</b>	✓	✓	<b>✓</b>	✓	✓	<b>✓</b>	✓	✓
Spica																	⋖	✓	✓	✓
Pollux						⋖	✓	<b>✓</b>	<b>✓</b>	<b>✓</b>	✓	<b>✓</b>	✓	<b>✓</b>	<b>✓</b>	✓	✓	<b>✓</b>	✓	✓
Antares	⋖	•																		
Fomalhaut	✓	<b>✓</b>	✓	<b>✓</b>	✓	<b>✓</b>	✓	<b>✓</b>	✓											
Deneb	✓	✓	✓	<b>✓</b>	✓	<b>✓</b>	✓	<b>✓</b>	✓	<b>✓</b>	✓	✓	✓	<b>✓</b>	✓	✓	<b>✓</b>	<b>⋖</b>	✓	✓
Regulus											ゼ	<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	✓	<b>✓</b>	✓	✓	✓

At left, a red-to-green transition is a TMR, and a green-to-red transition is a TMS.

Common																				
Name	Dec 6	Dec 16	Dec 26	Jan 1	Jan 11	Jan 21	Jan 31	Feb 10	Feb 20	Mar 1	Mar 11	Mar 21	Mar 31	Apr 10	Apr 20	Apr 30	May 10	May 20	May 30	Jun 9
Sirius							⋖	✓	<b>✓</b>	$\checkmark$	$\checkmark$	<b>✓</b>	$\checkmark$	<b>✓</b>	$\checkmark$	✓	⋖			
Vega	✓	✓	✓	<b>⋖</b>	✓	✓	✓	⋖						⋖	✓	<b>✓</b>	✓	✓	✓	✓
Capella	✓	✓	✓	✓	✓	✓	<b>⋖</b>	✓	✓	<b>⋖</b>	✓	<b>✓</b>	✓	✓	✓	<b>⋖</b>	✓	✓	✓	✓
Arcturus	✓	✓	✓										✓	<b>✓</b>	✓	<b>✓</b>	✓	<b>✓</b>	✓	✓
Rigel						⋖	✓	✓	✓	<b>✓</b>	✓	<b>✓</b>	✓	<b>✓</b>	✓	⋖	•			
Procyon	✓	⋖				•	⋖	✓	✓	<b>✓</b>	✓	<b>✓</b>	✓	<b>✓</b>	✓	✓	✓	<b>⋖</b>	✓	✓
Altair		⋖	✓	✓	✓	✓	✓	✓												
Betelgeuse					⋖	✓	<b>✓</b>	✓	✓	<b>✓</b>	✓	<b>✓</b>	✓	<b>✓</b>	<b>✓</b>	<b>✓</b>	✓	<b>⋖</b>	⋖	
Aldebaran				✓	✓	✓	✓	✓	✓	<b>~</b>	✓	✓	✓	✓	✓	<b>⋖</b>	✓	⋖	•	
Spica	✓	✓	✓													✓	✓	<b>✓</b>	✓	✓
Pollux	✓	✓	✓		⋖	✓	<b>✓</b>	✓	✓	<b>✓</b>	✓	<b>✓</b>	✓	<b>✓</b>	✓	✓	✓	<b>✓</b>	✓	<b>✓</b>
Antares		⋖	✓																	✓
Fomalhaut				✓	✓	✓	⋖													
Deneb	✓	✓	✓	✓	✓	<b>✓</b>	✓	✓	✓	<b>✓</b>	✓	<b>✓</b>	<b>✓</b>	<b>✓</b>	✓	<b>✓</b>	✓	✓	✓	✓
Regulus	✓	✓	<b>✓</b>						⋖	$\checkmark$	✓	<b>✓</b>	<b>✓</b>	<b>✓</b>	✓	✓	✓	✓	<b>✓</b>	✓

Common	Above I	Above Horizon at Sunset																		
Name	Jun 19	Jun 29	Jul 9	Jul 19	Jul 29	Aug 8	Aug 18	Aug 28	Sep 7	Sep 17	Sep 27	Oct 7	Oct 17	Oct 27	Nov 6	Nov 16	Nov 26	Dec 6	Dec 16	Dec 26
Sirius																				
Vega	✓	✓	<b>✓</b>	✓	✓	✓	✓	✓	<b>✓</b>	✓	✓	<b>✓</b>	✓	✓	<b>✓</b>	✓	✓	<b>⋖</b>	✓	✓
Capella	✓	✓	<b>✓</b>	✓	✓	<b>✓</b>	✓	✓	<b>⋖</b>	✓	✓	<b>✓</b>	✓	✓	<b>✓</b>	✓	✓	✓	✓	✓
Arcturus	✓	✓	<b>✓</b>	✓	✓	<b>~</b>	✓	✓	<b>✓</b>	✓	✓	<b>✓</b>	✓	✓	<b>✓</b>	✓	✓	<b>✓</b>	⋖	
Rigel																				
Procyon	✓	⋖																		
Altair	✓	✓	✓	✓	<b>✓</b>	<b>✓</b>	✓	✓	<b>⋖</b>	✓	<b>✓</b>	<b>✓</b>	✓	<b>✓</b>	✓	<b>✓</b>	✓	✓	✓	✓
Betelgeuse																				
Aldebaran																			⋖	✓
Spica	✓	✓	✓	✓	✓	<b>✓</b>	✓	✓	<b>⋖</b>	✓	✓									
Pollux	✓	✓	<b>✓</b>	✓	✓															
Antares	✓	✓	<b>✓</b>	✓	✓	✓	✓	✓	<b>⋖</b>	✓	<b>✓</b>	<b>✓</b>	✓	<b>✓</b>	<b>✓</b>	✓				
Fomalhaut																⋖	✓	<b>⋖</b>	✓	✓
Deneb	✓	✓	<b>✓</b>	✓	<b>✓</b>	<b>✓</b>	✓	✓	<b>✓</b>	✓	✓	<b>✓</b>	✓	✓	✓	✓	✓	✓	✓	✓
Regulus	✓	✓	<b>✓</b>	✓	<b>✓</b>	<b>✓</b>	⋖													