



































Symbols and Abbreviations

Stars

Common Stars	Multiple Stars	Variable Stars	Magnitude
			-1.0
			0.0
			1.0
			2.0
			3.0
			4.0
			5.0
			6.0

Deep Sky Objects

		Galaxies
		Bright Nebulae
		Dark Nebulae
		Planetary Nebulae
		Supernova Remnant
		Open Clusters
		Globular Clusters

Abbreviations

Stars

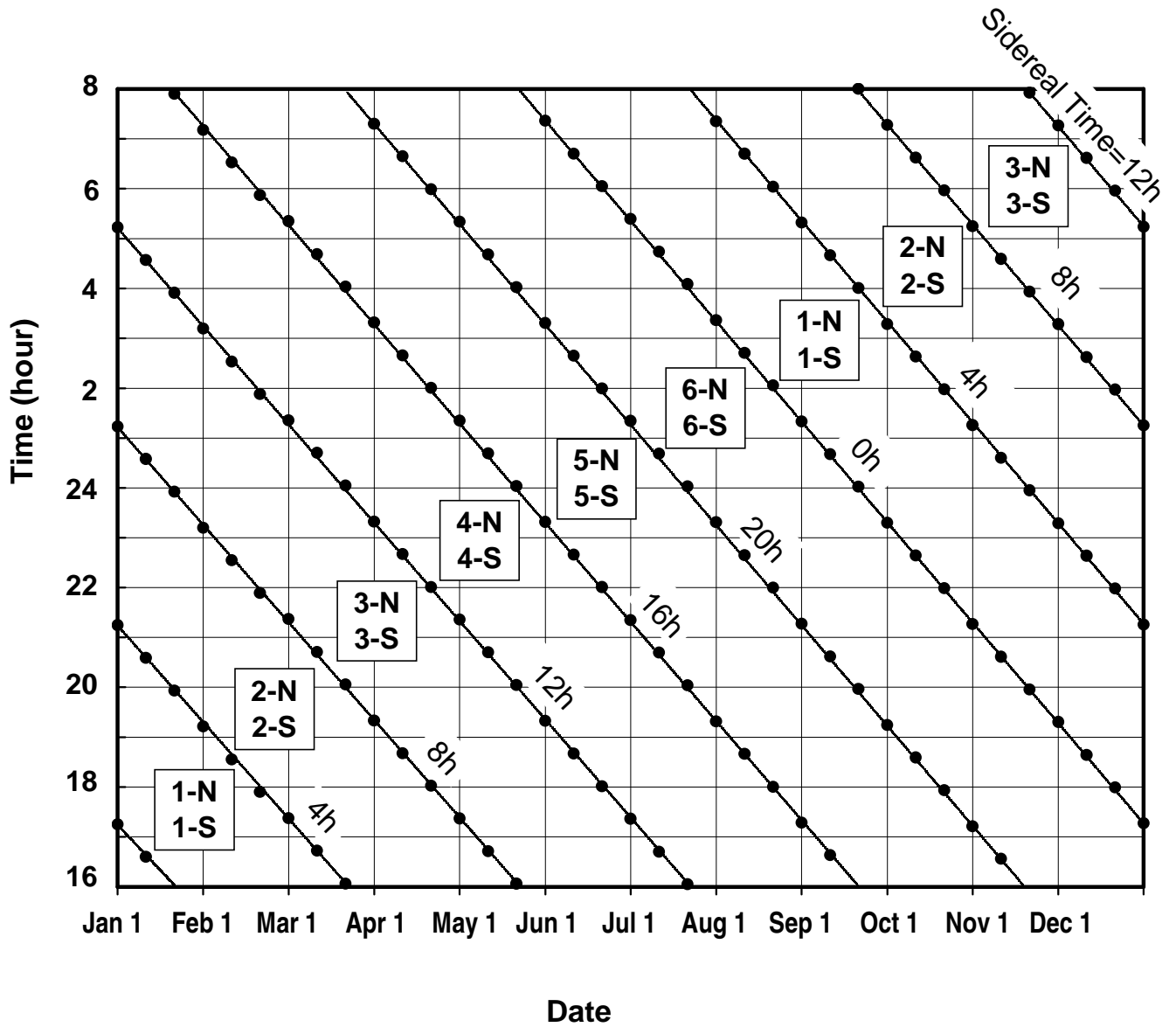
Greek Letter: Bayer Letter
 Number only: Flamsteed Number
 ADS: Aitken Double Star Catalog

Deep Sky Objects

Number only: NGC, New General Catalog of Nebulae & Clusters of Stars
 Biur: Biurakan (open clusters)
 Blanco: (open clusters)
 Bochum: (open clusters)
 C: Caldwell Catalog
 Cr: Collinder (open clusters)
 Fein: Feinstein (open clusters)
 Harvard: (open clusters)
 Hogg: (open clusters)
 I.: IC, 1st and 2nd Index Catalogs to the NGC
 Lynga: (open clusters)
 M: Messier Catalog (all types of objects)
 Mel: Melotte (open clusters)
 Pismis: (open clusters)
 PK: Perek & Kohoutek (planetary nebulae)
 Ru: Ruprecht (open clusters)
 Sh: Sharpless (bright nebulae)
 Steph: Stephenson (open clusters)
 Stock: (open clusters)
 Tr: Trumpler (open clusters)

Using the Charts

The sky region at the meridian is included in the charts shown in the diagram below.



Constellations (1/2)

Constellation Name	Abbreviation	1n	1s	2n	2s	3n	3s	4n	4s	5n	5s	6n	6s
Andromeda	And	W		P								P	
Antlia	Ant						W		P				
Apus	Aps				P		P		W		W		P
Aquarius	Aqr	P										P	W
Aquila	Aql									W	W	P	P
Ara	Ara								W		W		P
Aries	Ari	W	P	P									
Auriga	Aur	P		W		P							
Bootes	Boo							W	P	P			
Caelum	Cae		W		W								
Camelopardalis	Cam	P		W		W		P				P	
Cancer	Cnc			P	P	W	P						
Canes Venatici	CVn					P		W		P			
Canis Major	CMa			P	W		P						
Canis Minor	CMi			W	W	P	P						
Capricornus	Cap									P	P	P	W
Carina	Car		P		W		W		P		P		
Cassiopeia	Cas	W		P		P				P		W	
Centaurus	Cen				P		P		W		P		
Cepheus	Cep	W		P		P		P		P		W	
Cetus	Cet	P	W									P	P
Chamaeleon	Cha		P		W		W		W		P		
Circinus	Cir						W		W		W		P
Columba	Col		P		W								
Coma Berenices	Com					P	P	W	P				
Corona Australis	CrA										W		P
Corona Borealis	CrB							W		W			
Corvus	Crv					P	P	P	W				
Crater	Crt					P	W	P	P				
Crux	Cru				W		W		W		W		
Cygnus	Cyg	P						P				W	
Delphinus	Del									P	P	W	W
Dorado	Dor		W		W		W						P
Draco	Dra	P		P		P		W		P		P	
Equuleus	Equ											W	W
Eridanus	Eri	P	P	P	P								P
Fornax	For		W		P								
Gemini	Gem			W	P	P							
Grus	Gru		P								P		W
Hercules	Her							P	P	W	P	P	
Horologium	Hor		W		W		P						P
Hydra	Hya			P	P	P	P		P				
Hydrus	Hyi		W		W		P				P		
Indus	Ind		P								W		W

Note: "W" means that the constellation is in the chart. "P" means that a part of the constellation is in the constellation.

Constellations (2/2)

Constellation Name	Abbreviation	1n	1s	2n	2s	3n	3s	4n	4s	5n	5s	6n	6s
Lacerta	Lac	P								P		W	
Leo	Leo					W	P	P	P				
Leo Minor	LMi					W		P					
Lepus	Lep			P	W								
Libra	Lib							P	W	P	P		
Lupus	Lup						P		W		W		
Lynx	Lyn	P		W		W		P					
Lyra	Lyr									W		P	
Mensa	Men		W		W		W		P				P
Microscopium	Mic										P		W
Monoceros	Mon			W	W	P	P						
Musca	Mus				P		W		W		W		
Norma	Nor						P		W		W		P
Octans	Oct		W		P		P		P		W		W
Ophiuchus	Oph							P			W		
Orion	Ori			W	W								
Pavo	Pav		P						P		W		W
Pegasus	Peg	P	P									W	P
Perseus	Per	W		W								P	
Phoenix	Phe		W		P						P		P
Pictor	Pic		W		W		P						
Pisces	Psc	P	P									P	P
Piscis Austrinus	PsA												W
Puppis	Pup		P	P	W	P	W						
Pyxis	Pyx				P		W						
Reticulum	Ret		W		W		W						W
Sagitta	Sge									W	P	W	P
Sagittarius	Sgr									P	W	P	P
Scorpius	Sco							P	P	P	W		
Sculptor	Scl		W										P
Scutum	Sct									W	W		
Serpens (Caput)	Ser							W	P	W	P		
Serpens (Cauda)	Ser									W	W		
Sextans	Sex					W	W						
Taurus	Tau	P	P	W	P								
Telescopium	Tel		P						P		W		W
Triangulum	Tri	W											
Triangulum Australe	TrA						W		W		W		W
Tucana	Tuc		W		P						P		W
Ursa Major	UMa	P		P		W		P		P			
Ursa Minor	UMi					W		W		W		P	
Vela	Vel				P		W		P				
Virgo	Vir					P	P	W	W				
Volans	Vol		W		W		W		W				
Vulpecula	Vul									P		W	

Note: "W" means that the constellation is in the chart. "P" means that a part of the constellation is in the constellation.