

## Observation List 2025-02-25

Picketpost Trailhead (Lat = 30deg 16' 21" Long=111deg 10' 35.5") ==>| 30deg 16.35' x 111deg 10.43' |==> 30.273deg x 111.174deg

Sort Order: Best Time | Constellation | Transit Time |

ID	Best Time	Constellation	Type	R.A.	Declination	Tran Alt	Size	Mag	Mag2	Sep	S.B.	Name	User Notes
Saturn	19h 00m 00s	Aquarius	Planet	23:24:54	-05°51'41"	51	0.265	1.4			16.1		
M31	19h 45m 00s	Andromeda	Galaxy	00:42:44	+41°16'08"	82	189.1x61.7	4.3			23.1	Andromeda Galaxy, NGC224, UGC454	JY: The Great Andromeda Galaxy
Almach	19h 45m 00s	Andromeda	Dbl	02:03:54	+42°19'47"	81		2.3	5.0	9.5		SAO 037734, STF205, BD+41 00395, Al	First: 1777   67deg   12. Last: 2021   63deg   9.5. #Obs: 366. H III 5, SHJ 26.
48 Ari	19h 45m 00s	Aries	Triple	02:59:13	+21°20'25"	78		4.6	4.9	1.5		SAO75673, HD18519, ε Ari, 48 Ari, HR887	
Uranus	19h 45m 00s	Aries	Planet	03:23:17	+18°19'56"	75	0.0583333	6.1			17.5		
M52	19h 45m 00s	Cassiopeia	Open	23:24:48	+61°35'36"	62	13	8.0			22.2	The Scorpion, NGC7654, Cassiopeia	Salt-and-Pepper, October Salt-and-Pepper
WZ Cas	19h 45m 00s	Cassiopeia	Carbon, Dbl	00:01:12	+60°21'00"	63		7.6	8.7	58.1		SAO21002, WZ Cas, SACDBL290, HD22	Ref: 22 Reddest Carbon Stars
Achird	19h 45m 00s	Cassiopeia	Dbl	00:49:06	+57°49'00"	66		3.4	7.5	13.1		SAO21732, SACDBL306, η Cas, Achird	Achird, CoCo; Y/P; Opening; 2011 sep 13.2" ; PA 322 deg
Owl Cluster	19h 45m 00s	Cassiopeia	Open	01:19:35	+58°17'12"	65	13	6.4			20.6	NGC457, Dragonfly Cluster, ET Cluster,	Cl, B, L, pRi, st 7, 8, 10
M103	19h 45m 00s	Cassiopeia	Open	01:33:23	+60°39'00"	63	6	7.0			19.5	NGC581	
Iota CAS	19h 45m 00s	Cassiopeia	Dbl	02:29:00	+67°23'00"	56		7.6	8.6	9.4		STF 262, IOTA CAS, ADS1860, SACDBL9	Comp: BC, Sky2K: 1, U2K: 17, Yr: 1900
M77	19h 45m 00s	Cetus	Galaxy	02:42:41	-00°00'48"	57	7.3x6.3	9.7			22.5	Cetus A, NGC1068, UGC2188	
86 Cet	19h 45m 00s	Cetus	Triple	02:43:18	+03°14'09"	60		3.5	6.2	2.8		SAO110707, gam Cet, 86 Cet, HD16970	
32 Eri	19h 45m 00s	Eridanus	Dbl	03:54:18	-02°57'00"	54		4.8	6.1	6.8		SAO130805, 32 Eri, SACDBL849, HD24	Yellow-orange and blue. A close pair, so use 100x or higher to see the c
Keid	19h 45m 00s	Eridanus	Mult	04:15:16	-07°39'10"	49		4.4	9.4	83.4		SAO131063, HD26965, o Eri, 40 Eri, Keid, HR1325	
Double Cluster	19h 45m 00s	Perseus	Open	02:22:29	+57°06'48"	66	30	4.5			20.5	NGC 884, Double Cluster, Sword Of Perseus/double Cluster/chi Persei, DMSH459	
M34	19h 45m 00s	Perseus	Open	02:42:05	+42°45'42"	81	35	6.0			22.3	Spiral Cluster, NGC1039	
ALDS12	19h 45m 00s	Perseus	Dbl	02:50:42	+55°54'00"	67		3.8	8.5	28.3		Miram	
HR 890	19h 45m 00s	Perseus	Dbl	03:00:52	+52°21'06"	71		5.3	6.7	11.9		SAO23763, HD18537	
Algol	19h 45m 00s	Perseus	Dbl	03:08:10	+40°57'20"	82		2.9	12.7	58.5		SAO38592, GC3733, HD19356	
HR1017	19h 45m 00s	Perseus	Dbl	03:24:19	+49°51'40"	73		1.8	11.8	167.0		Alp Per, 33 Per, SAO38787, HD20902, Mirfak	
Neptune	19h 45m 00s	Pisces	Planet	23:55:54	-01°49'14"	55	0.0366667	7.8			18.1		
Venus	19h 45m 00s	Pisces	Planet	00:26:09	+09°00'21"	66	0.7383333	-4.3			12.6		
M45	19h 45m 00s	Taurus	Open	03:47:30	+24°07'00"	81	120	1.6			20.6	Pleiades, Seven Sisters, Subaru, Pleiad	JY: Best open cluster in Northern Sky with faint nebulosity
Jupiter	19h 45m 00s	Taurus	Planet	04:40:09	+21°44'56"	78	0.6733333	-2.0			14.7		
Triangulum Galaxy	19h 45m 00s	Triangulum	Galaxy	01:33:51	+30°39'37"	87	68.7x41.6	6.2			23.5	M33, Triangulum Galaxy, Pinwheel Ga	JY: Face on large galaxy, Dark sky required
14 Aur	20h 00m 00s	Auriga	Dbl	05:15:24	+32°41'00"	89		5.1	7.4	14.6		SAO40233, 14 Aur, SACDBL158, HD33	Yellow and pale orange; subtle.
M38	20h 00m 00s	Auriga	Open	05:28:40	+35°50'54"	87	21	7.0			22.2	Starfish Cluster, NGC1912	
M36	20h 00m 00s	Auriga	Open	05:36:18	+34°08'24"	89	12	6.5			20.5	Pinwheel Cluster, NGC1960	
M37	20h 00m 00s	Auriga	Open	05:52:18	+32°33'12"	89	24	6.0			21.5	Auriga Salt-and-pepper Cluster, January Salt-and-pepper Cluster, NGC2099, Auriga Salt-and-Pepper, January Sa	
U Cam	20h 00m 00s	Camelopardalis	Carbon, Dbl	03:41:48	+62°38'54"	61		7.8	9.6	208.6		SAO 12870, HD 22611, BLL 12, HIP 172	Ref: The Reddest Stars
DB Cam	20h 00m 00s	Camelopardalis	Carbon	03:42:09	+63°13'00"	60		5.1				SAO12874, HD22649, HR105, HIP17296	
S Cam	20h 00m 00s	Camelopardalis	Carbon	05:41:02	+68°47'52"	55		7.8				SAO13563, GC7005, HD36972, HIP26753	
R Lep	20h 00m 00s	Lepus	Carbon	04:59:36	-14°48'21"	42		7.7				SAO150058, HD31996, HR1607, HIP23	Ref: 22 Reddest Carbon Stars
M79	20h 00m 00s	Lepus	Globular	05:24:11	-24°31'29"	32	8.7	8.5			21.8	NGC1904	
NGC2017	20h 00m 00s	Lepus	Open	05:39:16	-17°50'58"	39						NGC2017	
13 Lep	20h 00m 00s	Lepus	Triple	05:44:28	-22°26'54"	34		3.6	6.1	96.5		SAO170759, HD38393, γ Lep, 13 Lep,	Striking gold and green! Of course, since there are no green stars, we k
W Ori	20h 00m 00s	Orion	Carbon	05:05:24	+01°10'39"	58		6.2				SAO112406, HD32736, HR1648, HIP 23	Ref: 22 Reddest Carbon Stars
ADS3823	20h 00m 00s	Orion	Dbl	05:14:30	-08°12'00"	48		0.3	10.4	9.5		STF 668, RIGEL, SACDBL2095	Comp: AxBC, Sky2K: 11, U2K: 270, Yr: 1822, Companion is a sp-bin. and
Rigel	20h 00m 00s	Orion	Mult	05:14:32	-08°12'06"	48		0.1	6.6	9.5		SAO131907, bet Ori, 19 Ori, HD34085, Rigel	
28 Ori	20h 00m 00s	Orion	Mult	05:24:29	-02°23'49"	54		3.4	4.8	1.5		SAO132071, HD35411, η Ori, 28 Ori, HR1788	
32 Ori	20h 00m 00s	Orion	Dbl	05:30:47	+05°56'53"	63		4.2	5.5	0.9		SAO112849, HD36267, 32 Ori, HR1839	
34 Ori	20h 00m 00s	Orion	Triple	05:32:00	-00°17'04"	56		6.8	11.4	51.7		SAO132221, del Ori, 34 Ori, HD36485	
STF747	20h 00m 00s	Orion	Dbl	05:35:00	-06°00'00"	51		4.8	5.7	35.8			
ALDS22	20h 00m 00s	Orion	Dbl	05:35:06	+09°56'00"	67		3.6	5.5	4.4		Meissa	

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39 Ori	20h 00m 00s	Orion	Mult	05:35:08	+09°56'03"	67		3.5	5.5	4.4		SAO112921, lam Ori, 39 Ori, HD36861, Heka	
NGC1981	20h 00m 00s	Orion	Open	05:35:09	-04°25'54"	52	25	4.6			20.2		
NGC1977	20h 00m 00s	Orion	E Neb	05:35:16	-04°49'15"	52	20					NGC1977	
<b>M42</b>	20h 00m 00s	Orion	Open+D Neb	05:35:16	-05°23'25"	51	66	4.0			21.7	Great Orion Nebula, Orion A, NGC197	JY: The Great Orion Nebula. Best Nebula in the Northern Hemisphere
Trapezium	20h 00m 00s	Orion	Dbl	05:35:16	-05°23'23"	51		6.7	7.7	117.0		Trapezium, SAO132314, GCVS601016, The 1 Ori, 41 Ori, V1016 Ori, Meade286, HR 1896	
Nair al Saif	20h 00m 00s	Orion	Triple	05:35:26	-05°54'36"	51		2.8	7.3	11.4		SAO132323, lot Ori, 44 Ori, HD37043,	Two pure white suns. No color difference, so no false contrast here!
M43	20h 00m 00s	Orion	D Neb	05:35:31	-05°16'03"	51	20	9.0			24.1	De Mairan's Nebula (Orion Nebula Extension), NGC1982	
<b>48 Ori</b>	20h 00m 00s	Orion	Dbl	05:38:45	-02°36'00"	54		3.8	12.0	3.2		SAO 132406, Sigma Orionis, WDS0538	JY: Fantastic Quintuple Star system
Alnitak	20h 00m 00s	Orion	Triple	05:40:46	-01°56'34"	55		2.0	4.2	2.4		SAO132444, Alnitak, HD37742, ζ Ori, 50 Ori, HR1948	
Horsehead Nebula	20h 00m 00s	Orion	DkNeb	05:40:52	-02°27'00"	54	4					B33, Barnard33	Dark mass, on nebulous strip extending S from Zeta Orionis (see Astrop
M78	20h 00m 00s	Orion	D Neb	05:46:45	+00°04'48"	57	8	8.0			21.1	NGC2068	
NGC2071	20h 00m 00s	Orion	E Neb	05:47:12	+00°18'00"	57	4					NGC2071	
52 Ori	20h 00m 00s	Orion	Dbl	05:48:00	+06°27'15"	63		5.3	5.4	1.4		SAO113150, HD38710, 52 Ori, HR1999	
<b>Crab Nebula</b>	20h 00m 00s	Taurus	SNR	05:34:32	+22°00'52"	79	6x4	8.4			20.5	M1, Crab Nebula, Taurus A, NGC1952, CM Tauri, Crab Nebula, Crab Pulsar, Taurus A	
Y Tau	20h 00m 00s	Taurus	Carbon	05:45:39	+20°41'42"	77		6.9				SAO 77516, HR 1977, HD 38307, HIP 2	Ref: The Reddest Stars
37 Aur	20h 15m 00s	Auriga	Mult	05:59:43	+37°12'45"	86		2.6	7.1	3.5		SAO58636, HD40312, θ Aur, 37 Aur, HR2095	
M35	20h 15m 00s	Gemini	Open	06:09:00	+24°21'00"	81	28	5.5			21.4	NGC2168	
TU Gem	20h 15m 00s	Gemini	Carbon, Dbl	06:10:53	+26°00'54"	83		7.4	9.5	0.4		SAO78066, GC7854, HD42272, TDS 3609	
NGC2174	20h 15m 00s	Orion	E Neb	06:09:42	+20°30'00"	77	40					NGC2174	
<b>Polaris</b>	20h 15m 00s	Ursa Minor	Dbl	02:30:54	+89°15'00"	34		2.1	9.1	18.4		SAO-308, STF 93, ADS1477, SACDBL97	Comp: AB, Sky2K: 1, U2K: 1, Yr: 1973, A Cepheid var and a sp-bin. Y/BW
BL Ori	20h 30m 00s	Orion	Carbon	06:25:28	+14°43'19"	71		6.2				SAO95659, HD44984, HR2308, HIP 30	Ref: The Reddest Stars
UU Aur	20h 45m 00s	Auriga	Carbon, Dbl	06:36:33	+38°26'43"	85		5.3	10.9	17.9		SAO59280, HD46687, HR2405, HIP315	Ref: The Reddest Stars
11 Mon	20h 45m 00s	Monoceros	Mult	06:28:49	-07°01'58"	50		4.6	5.1	7.1		SAO133316, bet Mon, 11 Mon, HD45725, SAO 133317, HR2358	
NGC2237	20h 45m 00s	Monoceros	E Neb	06:30:18	+05°03'00"	62						NGC2237	
Rosette Nebula	20h 45m 00s	Monoceros	Open	06:31:56	+04°56'35"	62	16					NGC2239	*8 in L, P, B Cl
Sirius	21h 00m 00s	Canis Major	Mult	06:45:09	-16°42'58"	40		-1.5	8.8	11.2		SAO151881, Sirius, HR2491, 9 CMa, Dog Star	
M41	21h 00m 00s	Canis Major	Open	06:46:01	-20°45'24"	36	38	5.0			21.5	Little Beehive, NGC2287	
12 Lyn	21h 00m 00s	Lynx	Mult	06:46:14	+59°26'30"	64		4.9	5.5	1.7		SAO25939, HD48250, 12 Lyn, HR2470, HR2470	
V613 Mon	21h 00m 00s	Monoceros	Carbon	06:48:22	+05°32'30"	62		8.3				SAO114437, HD49368HIP 32627	
ALDS33	21h 15m 00s	Canis Major	Dbl	06:58:36	-28°58'00"	28		1.5	7.4	7.5		Adhara	
W CMa	21h 15m 00s	Canis Major	Carbon, Dbl	07:08:03	-11°55'24"	45		7.0	8.8	157.9		SAO 152427, HD 54361, HIP 34413, SK	Ref: 22 Reddest Carbon Stars
38 Gem	21h 15m 00s	Gemini	Triple	06:54:39	+13°10'40"	70		4.7	7.6	7.0		SAO96265, HD50635, HR2564	
M50	21h 15m 00s	Monoceros	Open	07:02:42	-08°23'00"	48	16	7.0			21.6	Heart-shaped Cluster, NGC2323	
SAO173349	21h 30m 00s	Canis Major	Dbl	07:16:36	-23°19'00"	33		4.8	6.8	26.6		h3945, SACDBL526, HIP35210, ADS59	The "Winter Albireo" and a perennial favorite. Perceived color differenc
NGC2359	21h 30m 00s	Canis Major	E Neb	07:18:36	-13°12'00"	43	8					NGC2359, Thor's Helmet	
Mars	21h 30m 00s	Gemini	Planet	07:14:20	+26°05'15"	83	0.1916667	-0.3			13.7		
<b>Wasat</b>	21h 30m 00s	Gemini	Triple	07:20:07	+21°58'56"	79		3.5	5.5	0.2		SAO79294, Wasat, HD56986, δ Gem, 55 Gem, HR2777	
<b>Castor</b>	21h 45m 00s	Gemini	Dbl	07:34:36	+31°53'00"	89		2.0	8.8	72.5		STF 1110, CASTOR, SACDBL3703, ADS6	Comp: AC, Sky2K: 5, U2K: 100, Yr: 1835
Y Lyn	21h 45m 00s	Lynx	Carbon	07:28:12	+45°59'27"	77		6.9				SAO41784, HD 58521, HIP 36288, GC9	REF: 22 Reddest Carbon Stars
M47	21h 45m 00s	Puppis	Open	07:36:35	-14°29'00"	42	30	4.5			20.5	NGC2422	
<b>M46</b>	22h 00m 00s	Puppis	Open	07:41:46	-14°48'36"	42	27	6.5			22.3	NGC2437	JTY: OC and PN
M93	22h 00m 00s	Puppis	Open	07:44:30	-23°51'24"	33	22	6.5			21.8	NGC2447, Butterfly Cluster	
Tegmine	22h 30m 00s	Cancer	Mult	08:12:13	+17°38'52"	74		5.6	6.0	0.9		SAO97645, Tegmine, Zeta Cancri, zet Cnc, 16 Cnc, HD68257	
M48	22h 30m 00s	Hydra	Open	08:13:43	-05°45'00"	51	54	5.5			22.8	NGC2548	
23 Cnc	22h 45m 00s	Cancer	Dbl	08:26:47	+26°56'04"	84		6.3	6.4	5.2		SAO80187, HD71150, φ Cnc, 23 Cnc, HR3310, Phi Cancri	

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Beehive Cluster	23h 00m 00s	Cancer	Open	08:40:24	+19°40'00"	76	95	4.0			22.5	M44, Praesepe, Beehive Cluster, NGC2632,Beehive Cluster,Manger (Praesepe),Praesepe (Manger)	
M44	23h 00m 00s	Cancer	Open	08:40:24	+19°40'00"	76	95	4.0			22.5	Praesepe, Beehive Cluster, NGC2632,Beehive Cluster,Manger (Praesepe),Praesepe (Manger)	
48 Cnc	23h 00m 00s	Cancer	Dbl	08:46:40	+28°45'55"	85		6.6	9.1	30.4		iot Cnc, 48 Cnc, SAO80415, HD74738, SAO80416	
M67	23h 00m 00s	Cancer	Open	08:51:18	+11°48'00"	68	30	7.5			23.5	King Cobra, NGC2682	
11 Hya	23h 00m 00s	Hydra	Mult	08:46:47	+06°25'08"	63		3.4	4.3	0.2		SAO117112, eps Hya, 11 Hya, HD74874	
X Cnc	23h 15m 00s	Cancer	Carbon	08:55:23	+17°13'53"	74		6.6				SAO98230, HD76221, HR3541, HIP438	Ref: the Reddest Stars
T Cnc	23h 15m 00s	Cancer	Carbon	08:56:40	+19°50'56"	77		8.0				SAO80524, GC12356, HIP 43905, BLL2	Deep orange-red
38 Lyn	23h 30m 00s	Lynx	Dbl	09:18:48	+36°48'00"	87		3.9	6.6	2.7		SAO61391, 38 Lyn, SACDBL1235, HR3	STF1334, CoCo; Gn/B
Y Hya	00h 00m 00s	Hydra	Carbon	09:51:04	-23°01'02"	34		6.5				SAO 178088, HIP 48327, HD 85405, CC	Ref: The Reddest Stars
Leo I	00h 15m 00s	Leo	Galaxy	10:08:24	+12°18'00"	69	10.7x8.3	10.2			23.7	UGC5470	
<b>M81</b>	00h 15m 00s	Ursa Major	Galaxy	09:55:33	+69°03'56"	54	24.9x11.5	7.8			22.6	Bode's Galaxy, NGC3031, UGC5318,Bc	JY: M81 & M82 nice pair visable in low mag
<b>M82</b>	00h 15m 00s	Ursa Major	Galaxy	09:55:53	+69°40'50"	54	10.5x5.1	9.2			22.2	Cigar Galaxy, Ursa Major A, NGC3034, UGC5322,Cigar Galaxy,Ursa Major A	
HR4028	00h 30m 00s	Leo	Dbl	10:16:16	+17°44'25"	74		6.6	6.8	1.1		SAO99032, HD88987, HR4028, STT251	
41 Leo	00h 30m 00s	Leo	Mult	10:19:58	+19°50'30"	77		2.6	3.8	4.5		SAO81298, gam Leo, 41 Leo, HD89484	
HD91625	00h 45m 00s	Antlia	Carbon	10:34:20	-30°23'22"	26		9.3				HD91625, SAO201522, TYC 7185-0297-1	
U Ant	00h 45m 00s	Antlia	Carbon	10:35:13	-39°33'46"	17		5.4				SAO201533, HD91793, HR4153, HIP 5	Ref: 22 Reddest Carbon Stars
U Hya	00h 45m 00s	Hydra	Carbon	10:37:33	-13°23'04"	43		4.8				SAO156110, HD92055, HR4163, HIP 5	Ref: 22 Reddest Carbon Stars
M108	01h 30m 00s	Ursa Major	Galaxy	11:11:31	+55°40'26"	68	8.6x2.4	10.6			22.5	NGC3556, UGC6225	
<b>M97</b>	01h 30m 00s	Ursa Major	P Neb	11:14:48	+55°01'08"	68	3.2	12.0			23.2	Owl Nebula, NGC3587	
Y CVn	03h 00m 00s	Canes Venatici	Carbon	12:45:08	+45°26'25"	78		5.0				SAO44317, La Superba, Y CVN, HD110	One of the deeply red-toned carbon stars
<b>Mizar</b>	03h 30m 00s	Ursa Major	Dbl	13:23:54	+54°55'00"	68		2.4	4.0	14.4		SAO-028737, STF 1744,ZETA UMA, SA	Sky2K: 2, U2K: 48, Yr: 1977, A and B are both sp-bin. Mizar. W/YW
<b>Garnet Star</b>	04h 00m 00s	Cepheus	Carbon, Dbl	21:43:30	+58°46'48"	65		4.3	12.7	42.4		SAO 033693, Mu Cephei, Erakis, Garn	JY: One of the most deeply colored stars in the sky, Also a Double