

Visibility
Date/Location
Date : 27-10-1500 Lat : 0°0' 0"N Lon : 90°0' 0"E
Object
Planet : Pluto

Date	Apparent		Local		Magn.	Dist.	Angul. Diam.	Sun Elong.	Moon	
	R.A.	Declin.	Azm	Alt					Phase	Ang.
27-10-1500	15h43m10s	- 6°54' 56"	348°50' 19"	-6°54' 56"	+13.80	30.493 a.u.	0.11"	+ 17.3	20 %	+ 44.3
28-10-1500	15h43m19s	- 6°55' 37"	349°47' 14"	-6°55' 37"	+13.80	30.496 a.u.	0.11"	+ 16.6	30 %	+ 57.9
29-10-1500	15h43m27s	- 6°56' 18"	350°44' 08"	-6°56' 18"	+13.80	30.499 a.u.	0.11"	+ 16.0	41 %	+ 71.6
30-10-1500	15h43m36s	- 6°56' 58"	351°41' 01"	-6°56' 58"	+13.80	30.502 a.u.	0.11"	+ 15.4	52 %	+ 85.3
31-10-1500	15h43m45s	- 6°57' 38"	352°37' 54"	-6°57' 38"	+13.79	30.505 a.u.	0.11"	+ 14.9	63 %	+ 98.8
01-11-1500	15h43m55s	- 6°58' 18"	353°34' 47"	-6°58' 18"	+13.79	30.507 a.u.	0.11"	+ 14.4	74 %	+ 112.1
02-11-1500	15h44m04s	- 6°58' 57"	354°31' 39"	-6°58' 57"	+13.79	30.509 a.u.	0.11"	+ 13.9	83 %	+ 125.2
03-11-1500	15h44m13s	- 6°59' 36"	355°28' 31"	-6°59' 36"	+13.79	30.511 a.u.	0.11"	+ 13.5	90 %	+ 138.1
04-11-1500	15h44m22s	- 7°00' 14"	356°25' 23"	-7°00' 14"	+13.79	30.512 a.u.	0.11"	+ 13.2	95 %	+ 150.4
05-11-1500	15h44m31s	- 7°00' 52"	357°22' 15"	-7°00' 52"	+13.79	30.513 a.u.	0.11"	+ 12.9	98 %	+ 161.6
06-11-1500	15h44m40s	- 7°01' 30"	358°19' 06"	-7°01' 30"	+13.79	30.514 a.u.	0.11"	+ 12.7	99 %	+ 168.5
07-11-1500	15h44m49s	- 7°02' 07"	359°15' 57"	-7°02' 07"	+13.79	30.515 a.u.	0.11"	+ 12.6	99 %	+ 164.4
08-11-1500	15h44m58s	- 7°02' 44"	0°12' 48"	-7°02' 44"	+13.79	30.515 a.u.	0.11"	+ 12.5	96 %	+ 154.4
09-11-1500	15h45m07s	- 7°03' 20"	1°09' 39"	-7°03' 20"	+13.79	30.515 a.u.	0.11"	+ 12.5	91 %	+ 143.2
10-11-1500	15h45m17s	- 7°03' 56"	2°06' 30"	-7°03' 56"	+13.79	30.515 a.u.	0.11"	+ 12.6	85 %	+ 131.7
11-11-1500	15h45m26s	- 7°04' 32"	3°03' 21"	-7°04' 32"	+13.79	30.514 a.u.	0.11"	+ 12.8	78 %	+ 120.2
12-11-1500	15h45m35s	- 7°05' 07"	4°00' 11"	-7°05' 07"	+13.79	30.513 a.u.	0.11"	+ 13.0	70 %	+ 108.6
13-11-1500	15h45m44s	- 7°05' 41"	4°57' 02"	-7°05' 41"	+13.79	30.512 a.u.	0.11"	+ 13.3	61 %	+ 97.0
14-11-1500	15h45m53s	- 7°06' 15"	5°53' 53"	-7°06' 15"	+13.79	30.511 a.u.	0.11"	+ 13.6	51 %	+ 85.3
15-11-1500	15h46m03s	- 7°06' 49"	6°50' 43"	-7°06' 49"	+13.79	30.509 a.u.	0.11"	+ 14.0	42 %	+ 73.5
16-11-1500	15h46m12s	- 7°07' 22"	7°47' 34"	-7°07' 22"	+13.79	30.507 a.u.	0.11"	+ 14.5	32 %	+ 61.4
17-11-1500	15h46m21s	- 7°07' 54"	8°44' 25"	-7°07' 54"	+13.80	30.505 a.u.	0.11"	+ 15.0	23 %	+ 49.2
18-11-1500	15h46m30s	- 7°08' 26"	9°41' 16"	-7°08' 26"	+13.80	30.502 a.u.	0.11"	+ 15.6	15 %	+ 36.8
19-11-1500	15h46m39s	- 7°08' 58"	10°38' 08"	-7°08' 58"	+13.80	30.499 a.u.	0.11"	+ 16.2	8 %	+ 24.7
20-11-1500	15h46m48s	- 7°09' 29"	11°34' 59"	-7°09' 29"	+13.80	30.496 a.u.	0.11"	+ 16.8	3 %	+ 14.9
21-11-1500	15h46m57s	- 7°10' 00"	12°31' 51"	-7°10' 00"	+13.80	30.493 a.u.	0.11"	+ 17.5	0 %	+ 14.9
22-11-1500	15h47m06s	- 7°10' 30"	13°28' 43"	-7°10' 30"	+13.80	30.489 a.u.	0.11"	+ 18.2	0 %	+ 25.3
23-11-1500	15h47m16s	- 7°10' 59"	14°25' 35"	-7°10' 59"	+13.80	30.485 a.u.	0.11"	+ 18.9	3 %	+ 38.5
24-11-1500	15h47m25s	- 7°11' 28"	15°22' 28"	-7°11' 28"	+13.80	30.481 a.u.	0.11"	+ 19.6	9 %	+ 52.5

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	R.A.	Declin.	Azm	Alt					Phase	Ang.
25-11-1500	15h47m34s	- 7°11' 56"	16°19' 21"	-7°11' 56"	+13.80	30.477 a.u.	0.11"	+ 20.4	17 %	+ 66.6
26-11-1500	15h47m43s	- 7°12' 24"	17°16' 15"	-7°12' 24"	+13.80	30.472 a.u.	0.11"	+ 21.1	26 %	+ 80.7
27-11-1500	15h47m52s	- 7°12' 51"	18°13' 09"	-7°12' 51"	+13.80	30.467 a.u.	0.11"	+ 21.9	37 %	+ 94.5
28-11-1500	15h48m00s	- 7°13' 18"	19°10' 04"	-7°13' 18"	+13.80	30.461 a.u.	0.11"	+ 22.7	48 %	+ 108.0
29-11-1500	15h48m09s	- 7°13' 44"	20°06' 59"	-7°13' 44"	+13.80	30.456 a.u.	0.11"	+ 23.6	59 %	+ 121.2
30-11-1500	15h48m18s	- 7°14' 10"	21°03' 54"	-7°14' 10"	+13.80	30.450 a.u.	0.11"	+ 24.4	69 %	+ 134.1
01-12-1500	15h48m27s	- 7°14' 35"	22°00' 50"	-7°14' 35"	+13.80	30.444 a.u.	0.11"	+ 25.2	79 %	+ 146.4
02-12-1500	15h48m36s	- 7°14' 59"	22°57' 47"	-7°14' 59"	+13.80	30.437 a.u.	0.11"	+ 26.1	86 %	+ 157.9
03-12-1500	15h48m45s	- 7°15' 23"	23°54' 45"	-7°15' 23"	+13.81	30.431 a.u.	0.11"	+ 26.9	92 %	+ 166.9
04-12-1500	15h48m53s	- 7°15' 46"	24°51' 43"	-7°15' 46"	+13.81	30.424 a.u.	0.11"	+ 27.8	97 %	+ 167.0
05-12-1500	15h49m02s	- 7°16' 09"	25°48' 42"	-7°16' 09"	+13.81	30.417 a.u.	0.11"	+ 28.7	99 %	+ 158.4
06-12-1500	15h49m10s	- 7°16' 31"	26°45' 41"	-7°16' 31"	+13.81	30.409 a.u.	0.11"	+ 29.6	99 %	+ 147.5
07-12-1500	15h49m19s	- 7°16' 53"	27°42' 42"	-7°16' 53"	+13.81	30.402 a.u.	0.11"	+ 30.4	98 %	+ 136.2
08-12-1500	15h49m27s	- 7°17' 13"	28°39' 43"	-7°17' 13"	+13.81	30.394 a.u.	0.11"	+ 31.3	95 %	+ 124.6
09-12-1500	15h49m36s	- 7°17' 34"	29°36' 45"	-7°17' 34"	+13.81	30.386 a.u.	0.11"	+ 32.2	90 %	+ 113.1
10-12-1500	15h49m44s	- 7°17' 53"	30°33' 48"	-7°17' 53"	+13.81	30.377 a.u.	0.11"	+ 33.1	84 %	+ 101.5
11-12-1500	15h49m53s	- 7°18' 12"	31°30' 51"	-7°18' 12"	+13.81	30.369 a.u.	0.11"	+ 34.0	77 %	+ 89.9
12-12-1500	15h50m01s	- 7°18' 31"	32°27' 56"	-7°18' 31"	+13.81	30.360 a.u.	0.11"	+ 35.0	68 %	+ 78.3
13-12-1500	15h50m09s	- 7°18' 49"	33°25' 01"	-7°18' 49"	+13.81	30.351 a.u.	0.11"	+ 35.9	59 %	+ 66.5
14-12-1500	15h50m17s	- 7°19' 06"	34°22' 08"	-7°19' 06"	+13.81	30.341 a.u.	0.11"	+ 36.8	49 %	+ 54.6
15-12-1500	15h50m25s	- 7°19' 23"	35°19' 15"	-7°19' 23"	+13.81	30.332 a.u.	0.11"	+ 37.7	39 %	+ 42.6
16-12-1500	15h50m33s	- 7°19' 39"	36°16' 24"	-7°19' 39"	+13.81	30.322 a.u.	0.11"	+ 38.6	29 %	+ 30.6
17-12-1500	15h50m41s	- 7°19' 54"	37°13' 33"	-7°19' 54"	+13.81	30.312 a.u.	0.11"	+ 39.5	20 %	+ 19.4
18-12-1500	15h50m49s	- 7°20' 09"	38°10' 44"	-7°20' 09"	+13.81	30.301 a.u.	0.11"	+ 40.5	12 %	+ 13.3
19-12-1500	15h50m57s	- 7°20' 23"	39°07' 56"	-7°20' 23"	+13.81	30.291 a.u.	0.11"	+ 41.4	5 %	+ 19.2
20-12-1500	15h51m04s	- 7°20' 36"	40°05' 09"	-7°20' 36"	+13.81	30.280 a.u.	0.11"	+ 42.4	1 %	+ 31.4
21-12-1500	15h51m12s	- 7°20' 49"	41°02' 23"	-7°20' 49"	+13.81	30.269 a.u.	0.11"	+ 43.3	0 %	+ 45.3
22-12-1500	15h51m20s	- 7°21' 01"	41°59' 38"	-7°21' 01"	+13.81	30.258 a.u.	0.11"	+ 44.2	1 %	+ 59.7
23-12-1500	15h51m27s	- 7°21' 13"	42°56' 55"	-7°21' 13"	+13.81	30.247 a.u.	0.11"	+ 45.2	6 %	+ 74.3

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	R.A.	Declin.	Azm	Alt					Phase	Ang.
24-12-1500	15h51m34s	- 7°21' 24"	43°54' 13"	-7°21' 24"	+13.81	30.235 a.u.	0.11"	+ 46.1	13 %	+ 88.8
25-12-1500	15h51m42s	- 7°21' 34"	44°51' 32"	-7°21' 34"	+13.81	30.223 a.u.	0.11"	+ 47.0	22 %	+ 102.9
26-12-1500	15h51m49s	- 7°21' 44"	45°48' 52"	-7°21' 44"	+13.81	30.211 a.u.	0.11"	+ 48.0	32 %	+ 116.6
27-12-1500	15h51m56s	- 7°21' 53"	46°46' 14"	-7°21' 53"	+13.81	30.199 a.u.	0.11"	+ 48.9	43 %	+ 129.9
28-12-1500	15h52m03s	- 7°22' 01"	47°43' 37"	-7°22' 01"	+13.81	30.187 a.u.	0.11"	+ 49.9	54 %	+ 142.6
29-12-1500	15h52m10s	- 7°22' 09"	48°41' 02"	-7°22' 09"	+13.81	30.174 a.u.	0.11"	+ 50.8	64 %	+ 154.5
30-12-1500	15h52m17s	- 7°22' 16"	49°38' 28"	-7°22' 16"	+13.81	30.161 a.u.	0.11"	+ 51.8	73 %	+ 164.5
31-12-1500	15h52m23s	- 7°22' 23"	50°35' 55"	-7°22' 23"	+13.81	30.148 a.u.	0.11"	+ 52.8	82 %	+ 168.1
01-01-1501	15h52m30s	- 7°22' 29"	51°33' 24"	-7°22' 29"	+13.81	30.135 a.u.	0.11"	+ 53.7	88 %	+ 161.4
02-01-1501	15h52m37s	- 7°22' 34"	52°30' 54"	-7°22' 34"	+13.81	30.122 a.u.	0.11"	+ 54.6	94 %	+ 151.1
03-01-1501	15h52m43s	- 7°22' 38"	53°28' 26"	-7°22' 38"	+13.81	30.108 a.u.	0.11"	+ 55.6	97 %	+ 139.9
04-01-1501	15h52m49s	- 7°22' 42"	54°26' 00"	-7°22' 42"	+13.81	30.095 a.u.	0.11"	+ 56.6	99 %	+ 128.5
05-01-1501	15h52m56s	- 7°22' 46"	55°23' 35"	-7°22' 46"	+13.81	30.081 a.u.	0.11"	+ 57.5	99 %	+ 117.0
06-01-1501	15h53m02s	- 7°22' 48"	56°21' 11"	-7°22' 48"	+13.81	30.067 a.u.	0.11"	+ 58.5	98 %	+ 105.4
07-01-1501	15h53m08s	- 7°22' 51"	57°18' 49"	-7°22' 51"	+13.81	30.053 a.u.	0.11"	+ 59.5	94 %	+ 93.8
08-01-1501	15h53m14s	- 7°22' 52"	58°16' 29"	-7°22' 52"	+13.81	30.039 a.u.	0.11"	+ 60.4	89 %	+ 82.2
09-01-1501	15h53m19s	- 7°22' 53"	59°14' 11"	-7°22' 53"	+13.81	30.024 a.u.	0.11"	+ 61.4	83 %	+ 70.5
10-01-1501	15h53m25s	- 7°22' 53"	60°11' 54"	-7°22' 53"	+13.81	30.010 a.u.	0.11"	+ 62.3	75 %	+ 58.8
11-01-1501	15h53m31s	- 7°22' 53"	61°09' 38"	-7°22' 53"	+13.81	29.995 a.u.	0.11"	+ 63.3	66 %	+ 47.0
12-01-1501	15h53m36s	- 7°22' 52"	62°07' 25"	-7°22' 52"	+13.81	29.980 a.u.	0.11"	+ 64.3	56 %	+ 35.2
13-01-1501	15h53m42s	- 7°22' 50"	63°05' 13"	-7°22' 50"	+13.81	29.965 a.u.	0.11"	+ 65.2	46 %	+ 24.0
14-01-1501	15h53m47s	- 7°22' 48"	64°03' 03"	-7°22' 48"	+13.81	29.950 a.u.	0.11"	+ 66.2	36 %	+ 15.1
15-01-1501	15h53m52s	- 7°22' 45"	65°00' 54"	-7°22' 45"	+13.81	29.935 a.u.	0.11"	+ 67.2	25 %	+ 15.4
16-01-1501	15h53m57s	- 7°22' 42"	65°58' 48"	-7°22' 42"	+13.81	29.920 a.u.	0.11"	+ 68.1	16 %	+ 25.1
17-01-1501	15h54m02s	- 7°22' 38"	66°56' 43"	-7°22' 38"	+13.81	29.904 a.u.	0.11"	+ 69.1	8 %	+ 38.1
18-01-1501	15h54m07s	- 7°22' 34"	67°54' 40"	-7°22' 34"	+13.81	29.889 a.u.	0.11"	+ 70.0	3 %	+ 52.1
19-01-1501	15h54m11s	- 7°22' 28"	68°52' 39"	-7°22' 28"	+13.80	29.873 a.u.	0.11"	+ 71.0	0 %	+ 66.7
20-01-1501	15h54m16s	- 7°22' 23"	69°50' 39"	-7°22' 23"	+13.80	29.857 a.u.	0.11"	+ 72.0	0 %	+ 81.5
21-01-1501	15h54m20s	- 7°22' 16"	70°48' 42"	-7°22' 16"	+13.80	29.841 a.u.	0.11"	+ 73.0	4 %	+ 96.1

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22-01-1501	15h54m24s	- 7°22' 09"	71°46' 47"	-7°22' 09"	+13.80	29.826 a.u.	0.11"	+ 73.9	10 %	+ 110.5
23-01-1501	15h54m28s	- 7°22' 02"	72°44' 53"	-7°22' 02"	+13.80	29.810 a.u.	0.11"	+ 74.9	18 %	+ 124.5
24-01-1501	15h54m32s	- 7°21' 54"	73°43' 01"	-7°21' 54"	+13.80	29.794 a.u.	0.11"	+ 75.9	27 %	+ 137.8
25-01-1501	15h54m36s	- 7°21' 45"	74°41' 11"	-7°21' 45"	+13.80	29.777 a.u.	0.11"	+ 76.8	37 %	+ 150.4
26-01-1501	15h54m40s	- 7°21' 36"	75°39' 24"	-7°21' 36"	+13.80	29.761 a.u.	0.11"	+ 77.8	47 %	+ 161.4
27-01-1501	15h54m44s	- 7°21' 26"	76°37' 38"	-7°21' 26"	+13.80	29.745 a.u.	0.11"	+ 78.8	58 %	+ 167.8
28-01-1501	15h54m47s	- 7°21' 16"	77°35' 54"	-7°21' 16"	+13.80	29.729 a.u.	0.11"	+ 79.8	67 %	+ 163.7
29-01-1501	15h54m51s	- 7°21' 05"	78°34' 12"	-7°21' 05"	+13.80	29.712 a.u.	0.11"	+ 80.7	76 %	+ 154.1
30-01-1501	15h54m54s	- 7°20' 54"	79°32' 32"	-7°20' 54"	+13.80	29.696 a.u.	0.11"	+ 81.7	83 %	+ 143.1
31-01-1501	15h54m57s	- 7°20' 42"	80°30' 54"	-7°20' 42"	+13.79	29.679 a.u.	0.11"	+ 82.7	90 %	+ 131.8
01-02-1501	15h55m00s	- 7°20' 30"	81°29' 18"	-7°20' 30"	+13.79	29.663 a.u.	0.11"	+ 83.7	94 %	+ 120.4
02-02-1501	15h55m03s	- 7°20' 17"	82°27' 44"	-7°20' 17"	+13.79	29.646 a.u.	0.11"	+ 84.6	98 %	+ 108.8
03-02-1501	15h55m05s	- 7°20' 04"	83°26' 12"	-7°20' 04"	+13.79	29.630 a.u.	0.11"	+ 85.6	99 %	+ 97.2
04-02-1501	15h55m08s	- 7°19' 50"	84°24' 42"	-7°19' 50"	+13.79	29.613 a.u.	0.11"	+ 86.6	99 %	+ 85.6
05-02-1501	15h55m10s	- 7°19' 36"	85°23' 14"	-7°19' 36"	+13.79	29.597 a.u.	0.11"	+ 87.5	97 %	+ 73.8
06-02-1501	15h55m13s	- 7°19' 21"	86°21' 48"	-7°19' 21"	+13.79	29.580 a.u.	0.11"	+ 88.5	93 %	+ 62.1
07-02-1501	15h55m15s	- 7°19' 05"	87°20' 24"	-7°19' 05"	+13.79	29.563 a.u.	0.11"	+ 89.5	88 %	+ 50.3
08-02-1501	15h55m17s	- 7°18' 50"	88°19' 02"	-7°18' 50"	+13.79	29.547 a.u.	0.11"	+ 90.5	80 %	+ 38.6
09-02-1501	15h55m19s	- 7°18' 33"	89°17' 42"	-7°18' 33"	+13.78	29.530 a.u.	0.11"	+ 91.4	72 %	+ 27.3
10-02-1501	15h55m20s	- 7°18' 17"	90°16' 24"	-7°18' 17"	+13.78	29.514 a.u.	0.11"	+ 92.4	62 %	+ 17.6
11-02-1501	15h55m22s	- 7°18' 00"	91°15' 08"	-7°18' 00"	+13.78	29.497 a.u.	0.11"	+ 93.4	52 %	+ 14.3
12-02-1501	15h55m23s	- 7°17' 42"	92°13' 54"	-7°17' 42"	+13.78	29.480 a.u.	0.11"	+ 94.3	41 %	+ 21.3
13-02-1501	15h55m25s	- 7°17' 24"	93°12' 43"	-7°17' 24"	+13.78	29.464 a.u.	0.11"	+ 95.3	30 %	+ 33.0
14-02-1501	15h55m26s	- 7°17' 06"	94°11' 33"	-7°17' 06"	+13.78	29.447 a.u.	0.11"	+ 96.3	20 %	+ 46.1
15-02-1501	15h55m27s	- 7°16' 47"	95°10' 25"	-7°16' 47"	+13.78	29.431 a.u.	0.11"	+ 97.3	11 %	+ 60.1
16-02-1501	15h55m28s	- 7°16' 27"	96°09' 20"	-7°16' 27"	+13.78	29.414 a.u.	0.11"	+ 98.3	5 %	+ 74.5
17-02-1501	15h55m29s	- 7°16' 08"	97°08' 17"	-7°16' 08"	+13.77	29.398 a.u.	0.11"	+ 99.2	1 %	+ 89.0
18-02-1501	15h55m29s	- 7°15' 48"	98°07' 15"	-7°15' 48"	+13.77	29.382 a.u.	0.11"	+ 100.2	0 %	+ 103.6
19-02-1501	15h55m30s	- 7°15' 27"	99°06' 16"	-7°15' 27"	+13.77	29.365 a.u.	0.11"	+ 101.2	2 %	+ 118.0

Visibility
Date/Location
Date : 27-10-1500 Lat : 0°0' 0"N Lon : 90°0' 0"E
Object
Planet : Pluto

Date	Apparent		Local		Magn.	Dist.	Angul. Diam.	Sun Elong.	Moon	
	R.A.	Declin.	Azm	Alt					Phase	Ang.
21-03-1501	15h54m44s	- 7°03' 06"	128°51' 54"	-7°03' 06"	+13.72	28.924 a.u.	0.11"	+ 130.2	4 %	+ 152.5
22-03-1501	15h54m40s	- 7°02' 39"	129°51' 54"	-7°02' 39"	+13.72	28.912 a.u.	0.11"	+ 131.1	9 %	+ 163.2
23-03-1501	15h54m37s	- 7°02' 12"	130°51' 56"	-7°02' 12"	+13.72	28.900 a.u.	0.11"	+ 132.1	16 %	+ 166.9
24-03-1501	15h54m33s	- 7°01' 44"	131°51' 59"	-7°01' 44"	+13.72	28.888 a.u.	0.11"	+ 133.0	24 %	+ 160.1
25-03-1501	15h54m30s	- 7°01' 17"	132°52' 03"	-7°01' 17"	+13.72	28.876 a.u.	0.11"	+ 134.0	34 %	+ 149.5
26-03-1501	15h54m26s	- 7°00' 50"	133°52' 09"	-7°00' 50"	+13.71	28.865 a.u.	0.11"	+ 134.9	43 %	+ 138.2
27-03-1501	15h54m22s	- 7°00' 22"	134°52' 17"	-7°00' 22"	+13.71	28.854 a.u.	0.11"	+ 135.8	53 %	+ 126.7
28-03-1501	15h54m18s	- 6°59' 55"	135°52' 27"	-6°59' 55"	+13.71	28.842 a.u.	0.11"	+ 136.8	62 %	+ 115.2
29-03-1501	15h54m13s	- 6°59' 28"	136°52' 37"	-6°59' 28"	+13.71	28.832 a.u.	0.11"	+ 137.7	71 %	+ 103.7
30-03-1501	15h54m09s	- 6°59' 00"	137°52' 50"	-6°59' 00"	+13.71	28.821 a.u.	0.11"	+ 138.7	79 %	+ 92.0
31-03-1501	15h54m05s	- 6°58' 33"	138°53' 03"	-6°58' 33"	+13.70	28.810 a.u.	0.11"	+ 139.6	86 %	+ 80.3
01-04-1501	15h54m00s	- 6°58' 06"	139°53' 18"	-6°58' 06"	+13.70	28.800 a.u.	0.11"	+ 140.6	92 %	+ 68.5
02-04-1501	15h53m56s	- 6°57' 39"	140°53' 35"	-6°57' 39"	+13.70	28.790 a.u.	0.11"	+ 141.5	96 %	+ 56.5
03-04-1501	15h53m51s	- 6°57' 12"	141°53' 53"	-6°57' 12"	+13.70	28.781 a.u.	0.11"	+ 142.4	99 %	+ 44.6
04-04-1501	15h53m47s	- 6°56' 45"	142°54' 12"	-6°56' 45"	+13.70	28.771 a.u.	0.11"	+ 143.3	99 %	+ 32.8
05-04-1501	15h53m42s	- 6°56' 18"	143°54' 32"	-6°56' 18"	+13.70	28.762 a.u.	0.11"	+ 144.2	98 %	+ 21.9
06-04-1501	15h53m37s	- 6°55' 52"	144°54' 54"	-6°55' 52"	+13.69	28.753 a.u.	0.11"	+ 145.2	94 %	+ 15.0
07-04-1501	15h53m32s	- 6°55' 25"	145°55' 17"	-6°55' 25"	+13.69	28.744 a.u.	0.11"	+ 146.1	88 %	+ 17.9
08-04-1501	15h53m27s	- 6°54' 59"	146°55' 41"	-6°54' 59"	+13.69	28.735 a.u.	0.11"	+ 147.0	80 %	+ 27.9
09-04-1501	15h53m22s	- 6°54' 33"	147°56' 06"	-6°54' 33"	+13.69	28.727 a.u.	0.11"	+ 147.9	70 %	+ 40.2
10-04-1501	15h53m16s	- 6°54' 06"	148°56' 33"	-6°54' 06"	+13.69	28.719 a.u.	0.11"	+ 148.8	59 %	+ 53.3
11-04-1501	15h53m11s	- 6°53' 40"	149°57' 01"	-6°53' 40"	+13.69	28.711 a.u.	0.11"	+ 149.7	48 %	+ 66.7
12-04-1501	15h53m06s	- 6°53' 15"	150°57' 29"	-6°53' 15"	+13.68	28.704 a.u.	0.11"	+ 150.6	36 %	+ 80.4
13-04-1501	15h53m00s	- 6°52' 49"	151°57' 59"	-6°52' 49"	+13.68	28.696 a.u.	0.12"	+ 151.4	26 %	+ 94.2
14-04-1501	15h52m55s	- 6°52' 24"	152°58' 30"	-6°52' 24"	+13.68	28.689 a.u.	0.12"	+ 152.3	16 %	+ 108.0
15-04-1501	15h52m49s	- 6°51' 59"	153°59' 02"	-6°51' 59"	+13.68	28.683 a.u.	0.12"	+ 153.2	8 %	+ 121.7
16-04-1501	15h52m44s	- 6°51' 34"	154°59' 35"	-6°51' 34"	+13.68	28.676 a.u.	0.12"	+ 154.0	3 %	+ 135.2
17-04-1501	15h52m38s	- 6°51' 09"	156°00' 09"	-6°51' 09"	+13.68	28.670 a.u.	0.12"	+ 154.9	0 %	+ 148.2
18-04-1501	15h52m32s	- 6°50' 45"	157°00' 43"	-6°50' 45"	+13.68	28.664 a.u.	0.12"	+ 155.7	0 %	+ 159.8

Visibility
Date/Location
Date : 27-10-1500 Lat : 0°0' 0"N Lon : 90°0' 0"E
Object
Planet : Pluto

Date	Apparent		Local		Magn.	Dist.	Angul. Diam.	Sun Elong.	Moon	
	R.A.	Declin.	Azm	Alt					Phase	Ang.
19-04-1501	15h52m26s	- 6°50' 20"	158°01' 19"	-6°50' 20"	+13.67	28.658 a.u.	0.12"	+ 156.5	2 %	+ 166.8
20-04-1501	15h52m20s	- 6°49' 56"	159°01' 55"	-6°49' 56"	+13.67	28.653 a.u.	0.12"	+ 157.3	6 %	+ 163.0
21-04-1501	15h52m15s	- 6°49' 33"	160°02' 32"	-6°49' 33"	+13.67	28.648 a.u.	0.12"	+ 158.1	11 %	+ 153.0
22-04-1501	15h52m09s	- 6°49' 10"	161°03' 10"	-6°49' 10"	+13.67	28.643 a.u.	0.12"	+ 158.9	19 %	+ 141.7
23-04-1501	15h52m03s	- 6°48' 47"	162°03' 49"	-6°48' 47"	+13.67	28.638 a.u.	0.12"	+ 159.7	27 %	+ 130.0
24-04-1501	15h51m57s	- 6°48' 24"	163°04' 28"	-6°48' 24"	+13.67	28.634 a.u.	0.12"	+ 160.4	36 %	+ 118.4
25-04-1501	15h51m50s	- 6°48' 01"	164°05' 08"	-6°48' 01"	+13.67	28.630 a.u.	0.12"	+ 161.1	45 %	+ 106.8
26-04-1501	15h51m44s	- 6°47' 39"	165°05' 49"	-6°47' 39"	+13.66	28.626 a.u.	0.12"	+ 161.8	55 %	+ 95.3
27-04-1501	15h51m38s	- 6°47' 18"	166°06' 30"	-6°47' 18"	+13.66	28.623 a.u.	0.12"	+ 162.5	64 %	+ 83.6
28-04-1501	15h51m32s	- 6°46' 56"	167°07' 11"	-6°46' 56"	+13.66	28.619 a.u.	0.12"	+ 163.1	73 %	+ 71.9
29-04-1501	15h51m26s	- 6°46' 35"	168°07' 54"	-6°46' 35"	+13.66	28.617 a.u.	0.12"	+ 163.7	81 %	+ 60.1
30-04-1501	15h51m19s	- 6°46' 15"	169°08' 36"	-6°46' 15"	+13.66	28.614 a.u.	0.12"	+ 164.3	88 %	+ 48.1
01-05-1501	15h51m13s	- 6°45' 54"	170°09' 19"	-6°45' 54"	+13.66	28.612 a.u.	0.12"	+ 164.8	94 %	+ 36.3
02-05-1501	15h51m07s	- 6°45' 35"	171°10' 03"	-6°45' 35"	+13.66	28.610 a.u.	0.12"	+ 165.3	98 %	+ 24.9
03-05-1501	15h51m00s	- 6°45' 15"	172°10' 47"	-6°45' 15"	+13.66	28.608 a.u.	0.12"	+ 165.7	99 %	+ 16.1
04-05-1501	15h50m54s	- 6°44' 56"	173°11' 31"	-6°44' 56"	+13.66	28.606 a.u.	0.12"	+ 166.1	99 %	+ 16.1
05-05-1501	15h50m47s	- 6°44' 37"	174°12' 15"	-6°44' 37"	+13.66	28.605 a.u.	0.12"	+ 166.3	96 %	+ 25.2
06-05-1501	15h50m41s	- 6°44' 19"	175°13' 00"	-6°44' 19"	+13.66	28.604 a.u.	0.12"	+ 166.6	90 %	+ 37.5
07-05-1501	15h50m35s	- 6°44' 01"	176°13' 45"	-6°44' 01"	+13.66	28.604 a.u.	0.12"	+ 166.8	82 %	+ 50.7
08-05-1501	15h50m28s	- 6°43' 44"	177°14' 30"	-6°43' 44"	+13.66	28.603 a.u.	0.12"	+ 166.8	72 %	+ 64.3
09-05-1501	15h50m22s	- 6°43' 27"	178°15' 15"	-6°43' 27"	+13.66	28.603 a.u.	0.12"	+ 166.9	61 %	+ 78.0
10-05-1501	15h50m15s	- 6°43' 11"	179°16' 00"	-6°43' 11"	+13.66	28.603 a.u.	0.12"	+ 166.8	50 %	+ 91.7
11-05-1501	15h50m09s	- 6°42' 55"	180°16' 46"	-6°42' 55"	+13.66	28.604 a.u.	0.12"	+ 166.7	39 %	+ 105.4
12-05-1501	15h50m02s	- 6°42' 39"	181°17' 31"	-6°42' 39"	+13.66	28.605 a.u.	0.12"	+ 166.5	28 %	+ 118.9
13-05-1501	15h49m56s	- 6°42' 24"	182°18' 16"	-6°42' 24"	+13.66	28.606 a.u.	0.12"	+ 166.3	18 %	+ 132.2
14-05-1501	15h49m49s	- 6°42' 09"	183°19' 02"	-6°42' 09"	+13.66	28.607 a.u.	0.12"	+ 165.9	11 %	+ 145.1
15-05-1501	15h49m43s	- 6°41' 55"	184°19' 47"	-6°41' 55"	+13.66	28.609 a.u.	0.12"	+ 165.6	5 %	+ 157.0
16-05-1501	15h49m36s	- 6°41' 42"	185°20' 32"	-6°41' 42"	+13.66	28.611 a.u.	0.12"	+ 165.1	1 %	+ 165.9
17-05-1501	15h49m30s	- 6°41' 29"	186°21' 17"	-6°41' 29"	+13.66	28.613 a.u.	0.12"	+ 164.6	0 %	+ 165.2

Visibility
Date/Location
Date : 27-10-1500 Lat : 0°0' 0"N Lon : 90°0' 0"E
Object
Planet : Pluto

Date	Apparent		Local		Magn.	Dist.	Angul. Diam.	Sun Elong.	Moon	
	R.A.	Declin.	Azm	Alt					Phase	Ang.
18-05-1501	15h49m24s	- 6°41' 16"	187°22' 02"	-6°41' 16"	+13.66	28.616 a.u.	0.12"	+ 164.1	0 %	+ 156.2
19-05-1501	15h49m17s	- 6°41' 04"	188°22' 47"	-6°41' 04"	+13.66	28.618 a.u.	0.12"	+ 163.5	3 %	+ 145.0
20-05-1501	15h49m11s	- 6°40' 52"	189°23' 31"	-6°40' 52"	+13.66	28.621 a.u.	0.12"	+ 162.9	8 %	+ 133.3
21-05-1501	15h49m04s	- 6°40' 41"	190°24' 15"	-6°40' 41"	+13.66	28.625 a.u.	0.12"	+ 162.3	14 %	+ 121.6
22-05-1501	15h48m58s	- 6°40' 31"	191°24' 59"	-6°40' 31"	+13.67	28.628 a.u.	0.12"	+ 161.6	21 %	+ 110.0
23-05-1501	15h48m52s	- 6°40' 21"	192°25' 42"	-6°40' 21"	+13.67	28.632 a.u.	0.12"	+ 160.9	29 %	+ 98.4
24-05-1501	15h48m45s	- 6°40' 12"	193°26' 25"	-6°40' 12"	+13.67	28.637 a.u.	0.12"	+ 160.2	38 %	+ 86.8
25-05-1501	15h48m39s	- 6°40' 03"	194°27' 08"	-6°40' 03"	+13.67	28.641 a.u.	0.12"	+ 159.5	48 %	+ 75.2
26-05-1501	15h48m33s	- 6°39' 55"	195°27' 49"	-6°39' 55"	+13.67	28.646 a.u.	0.12"	+ 158.7	57 %	+ 63.5
27-05-1501	15h48m27s	- 6°39' 47"	196°28' 31"	-6°39' 47"	+13.67	28.651 a.u.	0.12"	+ 157.9	67 %	+ 51.8
28-05-1501	15h48m21s	- 6°39' 40"	197°29' 12"	-6°39' 40"	+13.67	28.656 a.u.	0.12"	+ 157.2	76 %	+ 40.0
29-05-1501	15h48m14s	- 6°39' 34"	198°29' 52"	-6°39' 34"	+13.67	28.662 a.u.	0.12"	+ 156.4	84 %	+ 28.5
30-05-1501	15h48m08s	- 6°39' 28"	199°30' 32"	-6°39' 28"	+13.68	28.668 a.u.	0.12"	+ 155.6	91 %	+ 18.4
31-05-1501	15h48m02s	- 6°39' 23"	200°31' 11"	-6°39' 23"	+13.68	28.674 a.u.	0.12"	+ 154.7	96 %	+ 14.7
01-06-1501	15h47m56s	- 6°39' 18"	201°31' 49"	-6°39' 18"	+13.68	28.680 a.u.	0.12"	+ 153.9	99 %	+ 21.6
02-06-1501	15h47m50s	- 6°39' 14"	202°32' 26"	-6°39' 14"	+13.68	28.687 a.u.	0.12"	+ 153.1	99 %	+ 33.5
03-06-1501	15h47m44s	- 6°39' 10"	203°33' 03"	-6°39' 10"	+13.68	28.693 a.u.	0.12"	+ 152.2	97 %	+ 46.9
04-06-1501	15h47m39s	- 6°39' 07"	204°33' 39"	-6°39' 07"	+13.68	28.701 a.u.	0.11"	+ 151.3	91 %	+ 60.8
05-06-1501	15h47m33s	- 6°39' 05"	205°34' 14"	-6°39' 05"	+13.69	28.708 a.u.	0.11"	+ 150.5	84 %	+ 74.8
06-06-1501	15h47m27s	- 6°39' 03"	206°34' 49"	-6°39' 03"	+13.69	28.716 a.u.	0.11"	+ 149.6	74 %	+ 88.9
07-06-1501	15h47m21s	- 6°39' 02"	207°35' 22"	-6°39' 02"	+13.69	28.724 a.u.	0.11"	+ 148.7	64 %	+ 102.9
08-06-1501	15h47m16s	- 6°39' 01"	208°35' 55"	-6°39' 01"	+13.69	28.732 a.u.	0.11"	+ 147.8	52 %	+ 116.6
09-06-1501	15h47m10s	- 6°39' 02"	209°36' 27"	-6°39' 02"	+13.69	28.740 a.u.	0.11"	+ 147.0	41 %	+ 129.9
10-06-1501	15h47m05s	- 6°39' 02"	210°36' 57"	-6°39' 02"	+13.69	28.749 a.u.	0.11"	+ 146.1	31 %	+ 142.8
11-06-1501	15h46m59s	- 6°39' 04"	211°37' 27"	-6°39' 04"	+13.70	28.758 a.u.	0.11"	+ 145.2	21 %	+ 154.9
12-06-1501	15h46m54s	- 6°39' 06"	212°37' 56"	-6°39' 06"	+13.70	28.767 a.u.	0.11"	+ 144.3	13 %	+ 164.6
13-06-1501	15h46m49s	- 6°39' 08"	213°38' 23"	-6°39' 08"	+13.70	28.776 a.u.	0.11"	+ 143.4	7 %	+ 166.5
14-06-1501	15h46m44s	- 6°39' 11"	214°38' 50"	-6°39' 11"	+13.70	28.786 a.u.	0.11"	+ 142.5	2 %	+ 158.8
15-06-1501	15h46m38s	- 6°39' 15"	215°39' 15"	-6°39' 15"	+13.70	28.795 a.u.	0.11"	+ 141.6	0 %	+ 147.9

Visibility
Date/Location
Date : 27-10-1500 Lat : 0?0' 0"N Lon : 90?0' 0"E
Object
Planet : Pluto

Date	Apparent		Local		Magn.	Dist.	Angul. Diam.	Sun Elong.	Moon	
	R.A.	Declin.	Azm	Alt					Phase	Ang.
16-06-1501	15h46m33s	- 6?39' 20"	216?39' 39"	-6?39' 20"	+13.70	28.806 a.u.	0.11"	+ 140.7	0 %	+ 136.3
17-06-1501	15h46m28s	- 6?39' 25"	217?40' 02"	-6?39' 25"	+13.71	28.816 a.u.	0.11"	+ 139.8	1 %	+ 124.6
18-06-1501	15h46m23s	- 6?39' 30"	218?40' 24"	-6?39' 30"	+13.71	28.826 a.u.	0.11"	+ 138.8	5 %	+ 112.9
19-06-1501	15h46m19s	- 6?39' 37"	219?40' 44"	-6?39' 37"	+13.71	28.837 a.u.	0.11"	+ 137.9	10 %	+ 101.3
20-06-1501	15h46m14s	- 6?39' 44"	220?41' 04"	-6?39' 44"	+13.71	28.848 a.u.	0.11"	+ 137.0	16 %	+ 89.7
21-06-1501	15h46m09s	- 6?39' 51"	221?41' 22"	-6?39' 51"	+13.71	28.859 a.u.	0.11"	+ 136.1	24 %	+ 78.2
22-06-1501	15h46m05s	- 6?40' 00"	222?41' 38"	-6?40' 00"	+13.72	28.870 a.u.	0.11"	+ 135.2	32 %	+ 66.7
23-06-1501	15h46m00s	- 6?40' 09"	223?41' 53"	-6?40' 09"	+13.72	28.882 a.u.	0.11"	+ 134.3	41 %	+ 55.1
24-06-1501	15h45m56s	- 6?40' 18"	224?42' 07"	-6?40' 18"	+13.72	28.894 a.u.	0.11"	+ 133.3	51 %	+ 43.5
25-06-1501	15h45m52s	- 6?40' 28"	225?42' 20"	-6?40' 28"	+13.72	28.906 a.u.	0.11"	+ 132.4	61 %	+ 32.1
26-06-1501	15h45m47s	- 6?40' 39"	226?42' 31"	-6?40' 39"	+13.72	28.918 a.u.	0.11"	+ 131.5	71 %	+ 21.5
27-06-1501	15h45m43s	- 6?40' 51"	227?42' 40"	-6?40' 51"	+13.72	28.930 a.u.	0.11"	+ 130.6	80 %	+ 14.7
28-06-1501	15h45m39s	- 6?41' 03"	228?42' 48"	-6?41' 03"	+13.73	28.943 a.u.	0.11"	+ 129.7	88 %	+ 17.9
29-06-1501	15h45m36s	- 6?41' 15"	229?42' 55"	-6?41' 15"	+13.73	28.956 a.u.	0.11"	+ 128.7	94 %	+ 28.6
30-06-1501	15h45m32s	- 6?41' 29"	230?43' 00"	-6?41' 29"	+13.73	28.968 a.u.	0.11"	+ 127.8	98 %	+ 41.6
01-07-1501	15h45m28s	- 6?41' 43"	231?43' 04"	-6?41' 43"	+13.73	28.981 a.u.	0.11"	+ 126.9	99 %	+ 55.5
02-07-1501	15h45m24s	- 6?41' 57"	232?43' 06"	-6?41' 57"	+13.73	28.995 a.u.	0.11"	+ 126.0	98 %	+ 69.9
03-07-1501	15h45m21s	- 6?42' 12"	233?43' 06"	-6?42' 12"	+13.74	29.008 a.u.	0.11"	+ 125.0	93 %	+ 84.5
04-07-1501	15h45m18s	- 6?42' 28"	234?43' 05"	-6?42' 28"	+13.74	29.022 a.u.	0.11"	+ 124.1	86 %	+ 98.9
05-07-1501	15h45m14s	- 6?42' 45"	235?43' 02"	-6?42' 45"	+13.74	29.035 a.u.	0.11"	+ 123.2	77 %	+ 113.1
06-07-1501	15h45m11s	- 6?43' 02"	236?42' 58"	-6?43' 02"	+13.74	29.049 a.u.	0.11"	+ 122.2	66 %	+ 126.9
07-07-1501	15h45m08s	- 6?43' 19"	237?42' 52"	-6?43' 19"	+13.74	29.063 a.u.	0.11"	+ 121.3	55 %	+ 140.2
08-07-1501	15h45m05s	- 6?43' 37"	238?42' 44"	-6?43' 37"	+13.74	29.078 a.u.	0.11"	+ 120.4	44 %	+ 152.6
09-07-1501	15h45m02s	- 6?43' 56"	239?42' 35"	-6?43' 56"	+13.75	29.092 a.u.	0.11"	+ 119.4	34 %	+ 163.1
10-07-1501	15h45m00s	- 6?44' 16"	240?42' 24"	-6?44' 16"	+13.75	29.106 a.u.	0.11"	+ 118.5	24 %	+ 167.2
11-07-1501	15h44m57s	- 6?44' 36"	241?42' 11"	-6?44' 36"	+13.75	29.121 a.u.	0.11"	+ 117.6	16 %	+ 160.8
12-07-1501	15h44m55s	- 6?44' 56"	242?41' 57"	-6?44' 56"	+13.75	29.136 a.u.	0.11"	+ 116.6	10 %	+ 150.3
13-07-1501	15h44m52s	- 6?45' 17"	243?41' 40"	-6?45' 17"	+13.75	29.151 a.u.	0.11"	+ 115.7	4 %	+ 139.0
14-07-1501	15h44m50s	- 6?45' 39"	244?41' 22"	-6?45' 39"	+13.75	29.166 a.u.	0.11"	+ 114.8	1 %	+ 127.4

Visibility

Date/Location

Date : 27-10-1500
 Lat : 0°0' 0"N
 Lon : 90°0' 0"E

Object

Planet : Pluto

Date	Apparent		Local		Magn.	Dist.	Angul. Diam.	Sun Elong.	Moon	
	R.A.	Declin.	Azm	Alt					Phase	Ang.
15-07-1501	15h44m48s	- 6°46' 02"	245°41' 03"	-6°46' 02"	+13.76	29.181 a.u.	0.11"	+ 113.8	0 %	+ 115.7
16-07-1501	15h44m46s	- 6°46' 25"	246°40' 41"	-6°46' 25"	+13.76	29.196 a.u.	0.11"	+ 112.9	0 %	+ 104.1
17-07-1501	15h44m44s	- 6°46' 48"	247°40' 17"	-6°46' 48"	+13.76	29.212 a.u.	0.11"	+ 112.0	2 %	+ 92.5
18-07-1501	15h44m42s	- 6°47' 12"	248°39' 52"	-6°47' 12"	+13.76	29.227 a.u.	0.11"	+ 111.0	6 %	+ 81.0
19-07-1501	15h44m41s	- 6°47' 37"	249°39' 25"	-6°47' 37"	+13.76	29.243 a.u.	0.11"	+ 110.1	12 %	+ 69.5
20-07-1501	15h44m39s	- 6°48' 02"	250°38' 56"	-6°48' 02"	+13.76	29.258 a.u.	0.11"	+ 109.2	18 %	+ 58.0
21-07-1501	15h44m38s	- 6°48' 28"	251°38' 25"	-6°48' 28"	+13.77	29.274 a.u.	0.11"	+ 108.2	27 %	+ 46.6
22-07-1501	15h44m37s	- 6°48' 54"	252°37' 52"	-6°48' 54"	+13.77	29.290 a.u.	0.11"	+ 107.3	36 %	+ 35.3
23-07-1501	15h44m35s	- 6°49' 21"	253°37' 18"	-6°49' 21"	+13.77	29.306 a.u.	0.11"	+ 106.3	45 %	+ 24.6
24-07-1501	15h44m34s	- 6°49' 49"	254°36' 41"	-6°49' 49"	+13.77	29.322 a.u.	0.11"	+ 105.4	56 %	+ 16.1
25-07-1501	15h44m33s	- 6°50' 17"	255°36' 03"	-6°50' 17"	+13.77	29.338 a.u.	0.11"	+ 104.5	66 %	+ 15.4
26-07-1501	15h44m33s	- 6°50' 45"	256°35' 23"	-6°50' 45"	+13.77	29.354 a.u.	0.11"	+ 103.6	76 %	+ 23.9
27-07-1501	15h44m32s	- 6°51' 14"	257°34' 40"	-6°51' 14"	+13.78	29.371 a.u.	0.11"	+ 102.6	85 %	+ 36.0
28-07-1501	15h44m32s	- 6°51' 44"	258°33' 56"	-6°51' 44"	+13.78	29.387 a.u.	0.11"	+ 101.7	92 %	+ 49.5
29-07-1501	15h44m31s	- 6°52' 14"	259°33' 10"	-6°52' 14"	+13.78	29.403 a.u.	0.11"	+ 100.7	97 %	+ 63.6
30-07-1501	15h44m31s	- 6°52' 44"	260°32' 22"	-6°52' 44"	+13.78	29.420 a.u.	0.11"	+ 99.8	99 %	+ 78.2
31-07-1501	15h44m31s	- 6°53' 15"	261°31' 32"	-6°53' 15"	+13.78	29.436 a.u.	0.11"	+ 98.9	98 %	+ 93.0
01-08-1501	15h44m31s	- 6°53' 47"	262°30' 40"	-6°53' 47"	+13.78	29.453 a.u.	0.11"	+ 97.9	95 %	+ 107.7
02-08-1501	15h44m31s	- 6°54' 19"	263°29' 47"	-6°54' 19"	+13.78	29.469 a.u.	0.11"	+ 97.0	88 %	+ 122.1
03-08-1501	15h44m31s	- 6°54' 51"	264°28' 51"	-6°54' 51"	+13.79	29.486 a.u.	0.11"	+ 96.1	80 %	+ 136.0
04-08-1501	15h44m32s	- 6°55' 24"	265°27' 53"	-6°55' 24"	+13.79	29.503 a.u.	0.11"	+ 95.1	70 %	+ 149.1
05-08-1501	15h44m32s	- 6°55' 57"	266°26' 54"	-6°55' 57"	+13.79	29.519 a.u.	0.11"	+ 94.2	59 %	+ 160.7
06-08-1501	15h44m33s	- 6°56' 31"	267°25' 52"	-6°56' 31"	+13.79	29.536 a.u.	0.11"	+ 93.3	49 %	+ 167.2
07-08-1501	15h44m34s	- 6°57' 05"	268°24' 49"	-6°57' 05"	+13.79	29.553 a.u.	0.11"	+ 92.3	38 %	+ 162.9
08-08-1501	15h44m35s	- 6°57' 40"	269°23' 43"	-6°57' 40"	+13.79	29.569 a.u.	0.11"	+ 91.4	29 %	+ 152.9
09-08-1501	15h44m36s	- 6°58' 15"	270°22' 36"	-6°58' 15"	+13.79	29.586 a.u.	0.11"	+ 90.5	20 %	+ 141.7
10-08-1501	15h44m37s	- 6°58' 51"	271°21' 26"	-6°58' 51"	+13.79	29.603 a.u.	0.11"	+ 89.5	13 %	+ 130.2
11-08-1501	15h44m38s	- 6°59' 27"	272°20' 15"	-6°59' 27"	+13.80	29.620 a.u.	0.11"	+ 88.6	7 %	+ 118.6
12-08-1501	15h44m40s	- 7°00' 03"	273°19' 02"	-7°00' 03"	+13.80	29.636 a.u.	0.11"	+ 87.7	3 %	+ 107.0

Visibility
Date/Location
Date : 27-10-1500 Lat : 0°0' 0"N Lon : 90°0' 0"E
Object
Planet : Pluto

Date	Apparent		Local		Magn.	Dist.	Angul. Diam.	Sun Elong.	Moon	
	R.A.	Declin.	Azm	Alt					Phase	Ang.
13-08-1501	15h44m41s	- 7°00' 40"	274°17' 46"	-7°00' 40"	+13.80	29.653 a.u.	0.11"	+ 86.7	0 %	+ 95.5
14-08-1501	15h44m43s	- 7°01' 17"	275°16' 29"	-7°01' 17"	+13.80	29.670 a.u.	0.11"	+ 85.8	0 %	+ 84.0
15-08-1501	15h44m45s	- 7°01' 55"	276°15' 10"	-7°01' 55"	+13.80	29.686 a.u.	0.11"	+ 84.8	1 %	+ 72.4
16-08-1501	15h44m47s	- 7°02' 33"	277°13' 49"	-7°02' 33"	+13.80	29.703 a.u.	0.11"	+ 83.9	3 %	+ 61.0
17-08-1501	15h44m49s	- 7°03' 11"	278°12' 25"	-7°03' 11"	+13.80	29.720 a.u.	0.11"	+ 83.0	8 %	+ 49.5
18-08-1501	15h44m51s	- 7°03' 50"	279°11' 00"	-7°03' 50"	+13.80	29.736 a.u.	0.11"	+ 82.0	14 %	+ 38.2
19-08-1501	15h44m53s	- 7°04' 29"	280°09' 33"	-7°04' 29"	+13.80	29.753 a.u.	0.11"	+ 81.1	22 %	+ 27.4
20-08-1501	15h44m56s	- 7°05' 08"	281°08' 04"	-7°05' 08"	+13.81	29.769 a.u.	0.11"	+ 80.2	30 %	+ 18.1
21-08-1501	15h44m58s	- 7°05' 48"	282°06' 33"	-7°05' 48"	+13.81	29.786 a.u.	0.11"	+ 79.2	40 %	+ 14.5
22-08-1501	15h45m01s	- 7°06' 28"	283°05' 00"	-7°06' 28"	+13.81	29.802 a.u.	0.11"	+ 78.3	51 %	+ 20.5
23-08-1501	15h45m04s	- 7°07' 09"	284°03' 26"	-7°07' 09"	+13.81	29.818 a.u.	0.11"	+ 77.4	62 %	+ 31.3
24-08-1501	15h45m07s	- 7°07' 49"	285°01' 49"	-7°07' 49"	+13.81	29.835 a.u.	0.11"	+ 76.4	72 %	+ 43.9
25-08-1501	15h45m10s	- 7°08' 30"	286°00' 11"	-7°08' 30"	+13.81	29.851 a.u.	0.11"	+ 75.5	82 %	+ 57.4
26-08-1501	15h45m13s	- 7°09' 11"	286°58' 30"	-7°09' 11"	+13.81	29.867 a.u.	0.11"	+ 74.6	90 %	+ 71.5
27-08-1501	15h45m17s	- 7°09' 53"	287°56' 48"	-7°09' 53"	+13.81	29.883 a.u.	0.11"	+ 73.6	96 %	+ 86.0
28-08-1501	15h45m20s	- 7°10' 35"	288°55' 04"	-7°10' 35"	+13.81	29.899 a.u.	0.11"	+ 72.7	99 %	+ 100.7
29-08-1501	15h45m24s	- 7°11' 17"	289°53' 18"	-7°11' 17"	+13.81	29.915 a.u.	0.11"	+ 71.8	99 %	+ 115.4
30-08-1501	15h45m28s	- 7°11' 59"	290°51' 30"	-7°11' 59"	+13.81	29.931 a.u.	0.11"	+ 70.8	96 %	+ 129.8
31-08-1501	15h45m32s	- 7°12' 42"	291°49' 40"	-7°12' 42"	+13.81	29.946 a.u.	0.11"	+ 69.9	91 %	+ 143.7
01-09-1501	15h45m36s	- 7°13' 24"	292°47' 48"	-7°13' 24"	+13.81	29.962 a.u.	0.11"	+ 69.0	83 %	+ 156.4
02-09-1501	15h45m40s	- 7°14' 07"	293°45' 55"	-7°14' 07"	+13.82	29.978 a.u.	0.11"	+ 68.0	74 %	+ 165.9
03-09-1501	15h45m44s	- 7°14' 50"	294°44' 00"	-7°14' 50"	+13.82	29.993 a.u.	0.11"	+ 67.1	64 %	+ 165.4
04-09-1501	15h45m48s	- 7°15' 34"	295°42' 03"	-7°15' 34"	+13.82	30.008 a.u.	0.11"	+ 66.2	54 %	+ 156.3
05-09-1501	15h45m53s	- 7°16' 17"	296°40' 04"	-7°16' 17"	+13.82	30.024 a.u.	0.11"	+ 65.3	44 %	+ 145.1
06-09-1501	15h45m57s	- 7°17' 01"	297°38' 04"	-7°17' 01"	+13.82	30.039 a.u.	0.11"	+ 64.3	35 %	+ 133.6
07-09-1501	15h46m02s	- 7°17' 45"	298°36' 02"	-7°17' 45"	+13.82	30.054 a.u.	0.11"	+ 63.4	26 %	+ 122.0
08-09-1501	15h46m07s	- 7°18' 29"	299°33' 58"	-7°18' 29"	+13.82	30.068 a.u.	0.11"	+ 62.5	18 %	+ 110.4
09-09-1501	15h46m12s	- 7°19' 14"	300°31' 52"	-7°19' 14"	+13.82	30.083 a.u.	0.11"	+ 61.5	11 %	+ 98.9
10-09-1501	15h46m17s	- 7°19' 58"	301°29' 44"	-7°19' 58"	+13.82	30.098 a.u.	0.11"	+ 60.6	6 %	+ 87.4

Visibility

Date/Location

Date : 27-10-1500
Lat : 0°0' 0"N
Lon : 90°0' 0"E

Object

Planet : Pluto

Date	Apparent		Local		Magn.	Dist.	Angul. Diam.	Sun Elong.	Moon	
	R.A.	Declin.	Azm	Alt					Phase	Ang.
10-10-1501	15h49m35s	- 7°42' 31"	330°14' 15"	-7°42' 31"	+13.82	30.453 a.u.	0.11"	+ 33.1	5 %	+ 56.9
11-10-1501	15h49m43s	- 7°43' 15"	331°11' 24"	-7°43' 15"	+13.82	30.461 a.u.	0.11"	+ 32.2	1 %	+ 45.4
12-10-1501	15h49m51s	- 7°43' 59"	332°08' 32"	-7°43' 59"	+13.82	30.470 a.u.	0.11"	+ 31.3	0 %	+ 34.0
13-10-1501	15h49m59s	- 7°44' 42"	333°05' 39"	-7°44' 42"	+13.82	30.478 a.u.	0.11"	+ 30.4	0 %	+ 23.4
14-10-1501	15h50m08s	- 7°45' 26"	334°02' 45"	-7°45' 26"	+13.82	30.486 a.u.	0.11"	+ 29.6	2 %	+ 15.5
15-10-1501	15h50m16s	- 7°46' 09"	334°59' 50"	-7°46' 09"	+13.82	30.493 a.u.	0.11"	+ 28.7	7 %	+ 16.0
16-10-1501	15h50m24s	- 7°46' 53"	335°56' 54"	-7°46' 53"	+13.82	30.501 a.u.	0.11"	+ 27.8	14 %	+ 24.6
17-10-1501	15h50m32s	- 7°47' 35"	336°53' 57"	-7°47' 35"	+13.82	30.508 a.u.	0.11"	+ 27.0	22 %	+ 36.1
18-10-1501	15h50m41s	- 7°48' 18"	337°50' 59"	-7°48' 18"	+13.82	30.514 a.u.	0.11"	+ 26.1	32 %	+ 48.6
19-10-1501	15h50m49s	- 7°49' 01"	338°48' 01"	-7°49' 01"	+13.82	30.521 a.u.	0.11"	+ 25.3	43 %	+ 61.6
20-10-1501	15h50m58s	- 7°49' 43"	339°45' 02"	-7°49' 43"	+13.81	30.527 a.u.	0.11"	+ 24.4	54 %	+ 75.0
21-10-1501	15h51m06s	- 7°50' 25"	340°42' 02"	-7°50' 25"	+13.81	30.533 a.u.	0.11"	+ 23.6	65 %	+ 88.7
22-10-1501	15h51m15s	- 7°51' 07"	341°39' 01"	-7°51' 07"	+13.81	30.539 a.u.	0.11"	+ 22.8	76 %	+ 102.5
23-10-1501	15h51m24s	- 7°51' 48"	342°36' 00"	-7°51' 48"	+13.81	30.545 a.u.	0.11"	+ 22.0	85 %	+ 116.5
24-10-1501	15h51m32s	- 7°52' 29"	343°32' 57"	-7°52' 29"	+13.81	30.550 a.u.	0.11"	+ 21.2	92 %	+ 130.4
25-10-1501	15h51m41s	- 7°53' 10"	344°29' 55"	-7°53' 10"	+13.81	30.555 a.u.	0.11"	+ 20.4	97 %	+ 144.0
26-10-1501	15h51m50s	- 7°53' 51"	345°26' 51"	-7°53' 51"	+13.81	30.559 a.u.	0.11"	+ 19.6	99 %	+ 156.7