

# SOLAR OBSERVING FORM

N

Observer: \_\_\_\_\_

Location: \_\_\_\_\_

Date/Time: \_\_\_\_\_ UT

Instrument: \_\_\_\_\_

Magnification: \_\_\_\_\_

Filters: \_\_\_\_\_

Comments: \_\_\_\_\_

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\_\_\_\_\_

Conditions: \_\_\_\_\_

\_\_\_\_\_

## Mount Wilson Solar Seeing Scale

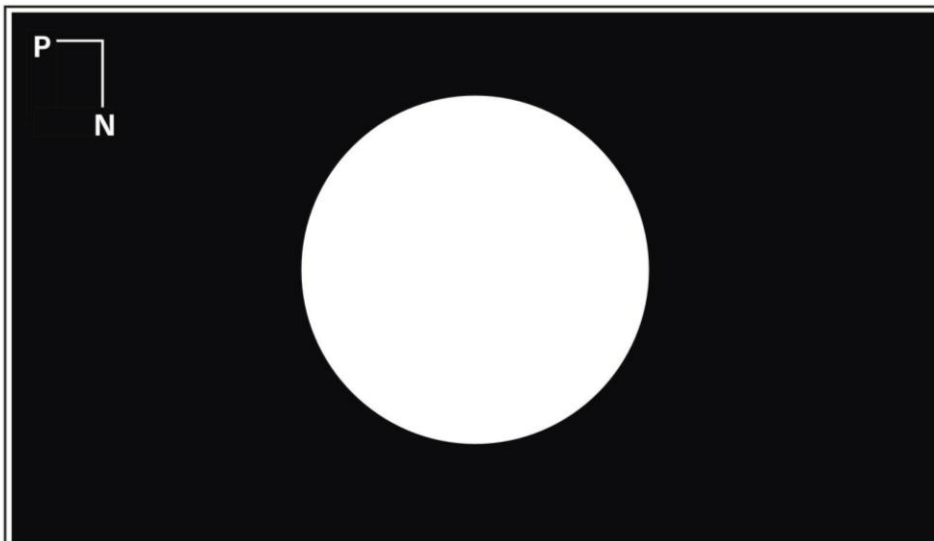
- ① Solar image looks like a "Circular Saw Blade." Completely out of focus.  
Limb motion and resolution greater than 10 arcsec.  
Smaller sunspots will not be seen.
- ② Solar image is always fuzzy and out of focus.  
No sharp periods. Limb motion and resolution in the 5 to 10 arcsec range.
- ③ Solar image about half the time sharp and half the time fuzzy.  
Some short periods where granulation is visible.  
Limb motion and resolution in the 3 arcsec range.
- ④ Solar image more often sharp than not. Granulation almost always visible.  
Limb motion and resolution in the 1 to 2 arcsec range.
- ⑤ Solar image looks like an "engraving." Extremely sharp and steady.  
Limb motion and resolution 1 arcsec or better.

**Print scale check 50mm**

B <sub>0</sub>
L <sub>0</sub>
P

*B<sub>0</sub> = Tilt of the Sun's equatorial plane. L<sub>0</sub> = Longitude of the Sun's central meridian.  
P = position angle of the Sun's north pole from cardinal north measured eastwards*

# VENUS OBSERVING FORM



Observer: \_\_\_\_\_

Location: \_\_\_\_\_

Date: \_\_\_\_\_

Start time: \_\_\_\_\_ UT      End time: \_\_\_\_\_ UT

Conditions: \_\_\_\_\_

Seeing (I excellent, V poor): \_\_\_\_\_

Instrument: \_\_\_\_\_

Magnification: \_\_\_\_\_

Filters: \_\_\_\_\_

Comments: \_\_\_\_\_

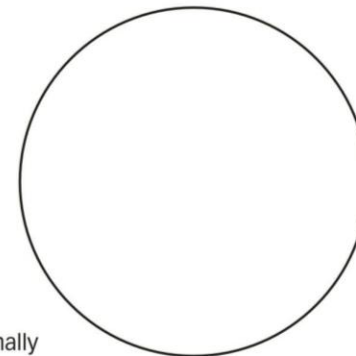
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## Intensity estimates.

Indicate any regions of the planet which show intensity variations.

Intensity estimates are made using the following scale:

- 0 - White
- 1 - General colour of the planet's disk
- 2 - Shadings that are very hard to see
- 3 - Shadings that can be seen with certainty
- 4 - More definite shadings (rare)
- 5 - Even darker shadings; seen only very occasionally



## Phase Estimates

Predicted phase:            %

Observed phase:            %

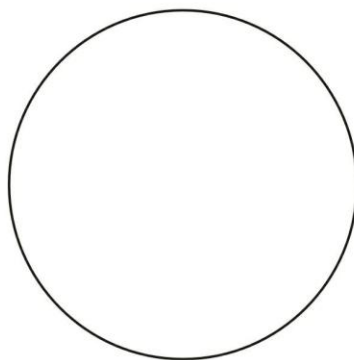
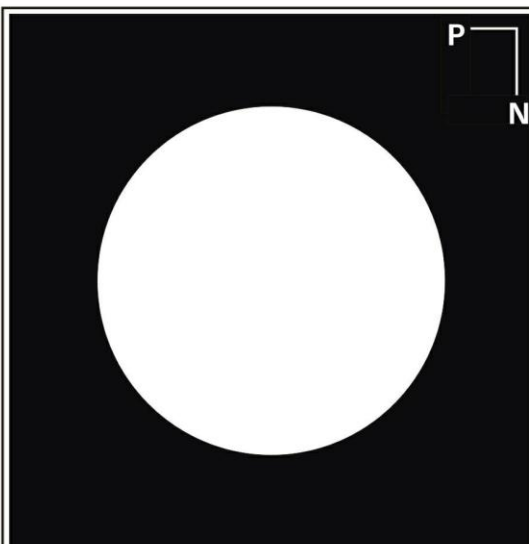
## Venus - General Features Guide

*Typical features that may be observed on Venus are:*

- Cusp caps
- Cusp bands
- Irregularities in the line of the terminator
- A bright limb band extending wholly or partially from cusp to cusp
- Dark hemisphere illumination
- Cusp extensions
- Dark shadings across the planet's disk

**Print scale check 50mm**

# MARS OBSERVING FORM



Observer: \_\_\_\_\_

Location: \_\_\_\_\_

Date: \_\_\_\_\_

Start time: \_\_\_\_\_ UT      End time: \_\_\_\_\_ UT

Conditions: \_\_\_\_\_

Seeing (I excellent, V poor): \_\_\_\_\_

Instrument: \_\_\_\_\_

Magnification: \_\_\_\_\_

Filters: \_\_\_\_\_

Comments: \_\_\_\_\_

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Central Meridian: \_\_\_\_\_ °      Diameter: \_\_\_\_\_ "  
 Phase: \_\_\_\_\_ %      Altitude: \_\_\_\_\_ °

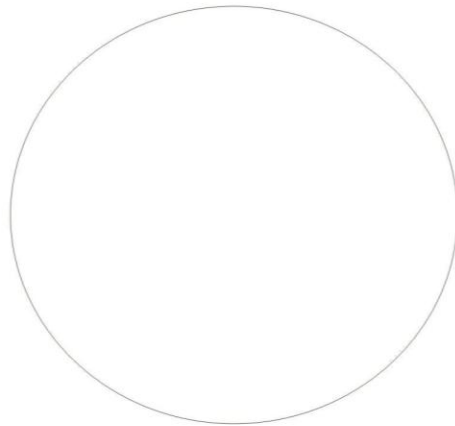
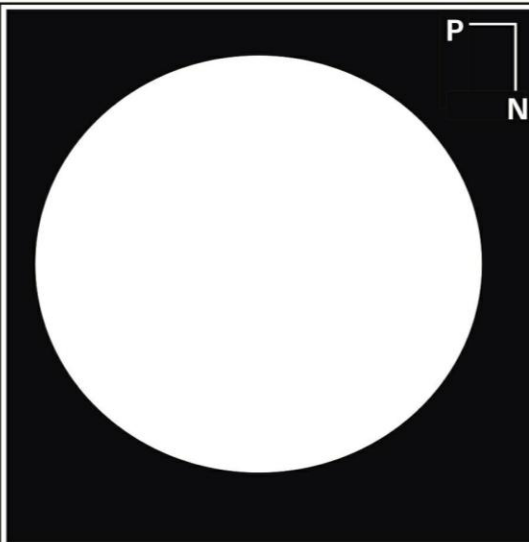
Additional Notes and Drawings...

Date	Diam "	Phase
01 May 2008	5.76	0.906
02 May 2008	5.73	0.907
03 May 2008	5.69	0.907
04 May 2008	5.66	0.908
05 May 2008	5.63	0.908
06 May 2008	5.60	0.909
07 May 2008	5.57	0.909
08 May 2008	5.54	0.910
09 May 2008	5.51	0.910
10 May 2008	5.48	0.910
11 May 2008	5.46	0.911
12 May 2008	5.43	0.911
13 May 2008	5.40	0.912
14 May 2008	5.37	0.913
15 May 2008	5.35	0.913
16 May 2008	5.32	0.914
17 May 2008	5.29	0.914
18 May 2008	5.27	0.915
19 May 2008	5.24	0.915
20 May 2008	5.22	0.916
21 May 2008	5.19	0.916
22 May 2008	5.17	0.917
23 May 2008	5.15	0.917
24 May 2008	5.12	0.918
25 May 2008	5.10	0.918
26 May 2008	5.08	0.919
27 May 2008	5.05	0.920
28 May 2008	5.03	0.920
29 May 2008	5.01	0.921
30 May 2008	4.99	0.921
31 May 2008	4.97	0.922

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Pete Lawrence, June 2007

# JUPITER OBSERVING FORM



Intensity Estimates (0: Brightest to 10: Black Sky)

SPR	<input type="text"/>	GRS	<input type="text"/>	NEB	<input type="text"/>
SSTZ	<input type="text"/>	SEB(S)	<input type="text"/>	NTropZ	<input type="text"/>
SSTB	<input type="text"/>	SEBZ	<input type="text"/>	NTB	<input type="text"/>
STZ	<input type="text"/>	SEB(N)	<input type="text"/>	NTZ	<input type="text"/>
STB	<input type="text"/>	EZ(S)	<input type="text"/>	NNTB	<input type="text"/>
STropZ	<input type="text"/>	EB	<input type="text"/>	NNTZ	<input type="text"/>
SEB	<input type="text"/>	EZ(N)	<input type="text"/>	NPR	<input type="text"/>

Observer: \_\_\_\_\_

Location: \_\_\_\_\_

Date: \_\_\_\_\_

Start time: \_\_\_\_\_ UT      End time: \_\_\_\_\_ UT

Conditions: \_\_\_\_\_

Seeing (I excellent, V poor): \_\_\_\_\_

Instrument: \_\_\_\_\_

Magnification: \_\_\_\_\_

Filters: \_\_\_\_\_

Comments: \_\_\_\_\_

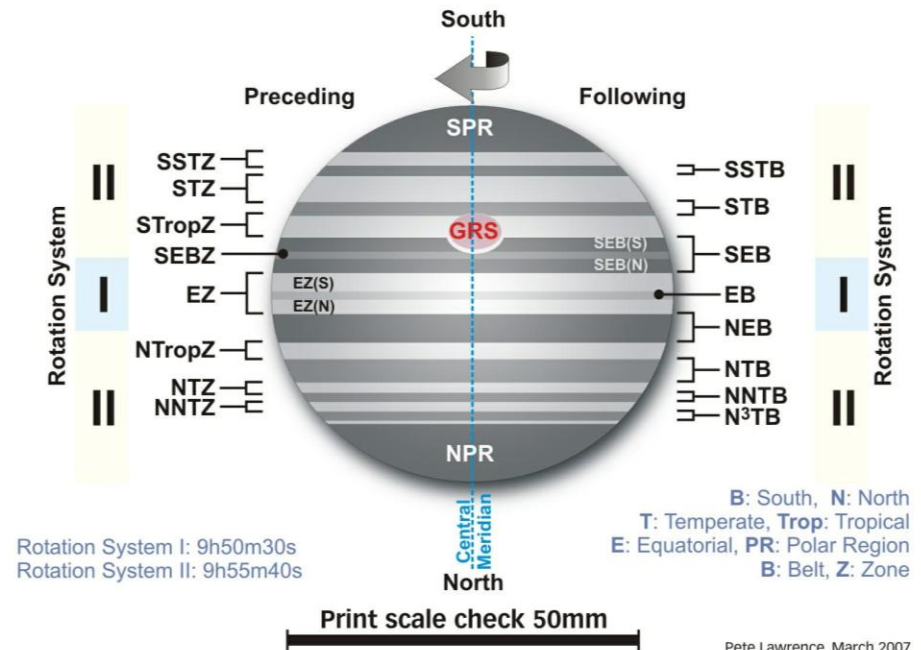
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\_\_\_\_\_

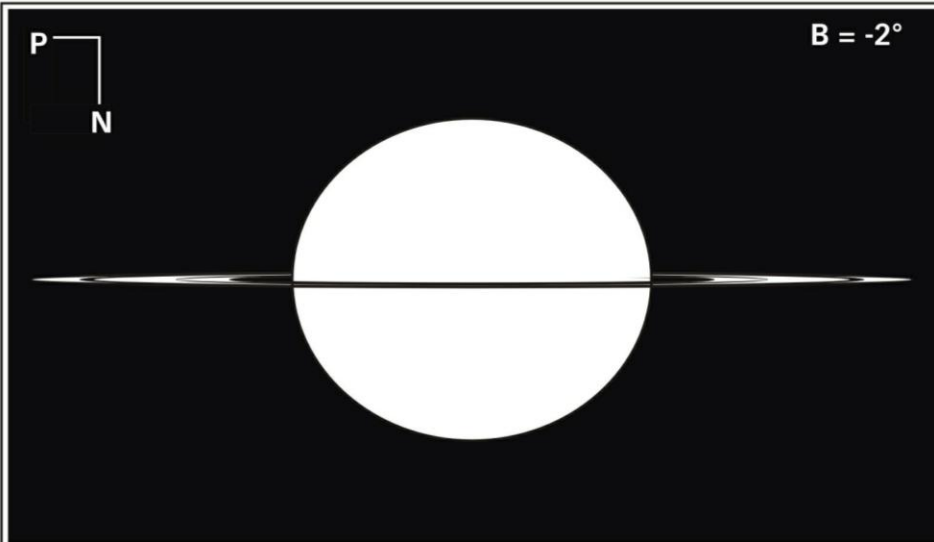
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Jupiter - Standard Belts and Zones



# SATURN OBSERVING FORM

(B = -1 degree)



Observer: \_\_\_\_\_

Location: \_\_\_\_\_

Date: \_\_\_\_\_

Start time: \_\_\_\_\_ UT      End time: \_\_\_\_\_ UT

Conditions: \_\_\_\_\_

Seeing (I excellent, V poor): \_\_\_\_\_

Instrument: \_\_\_\_\_

Magnification: \_\_\_\_\_

Comments: \_\_\_\_\_

\_\_\_\_\_

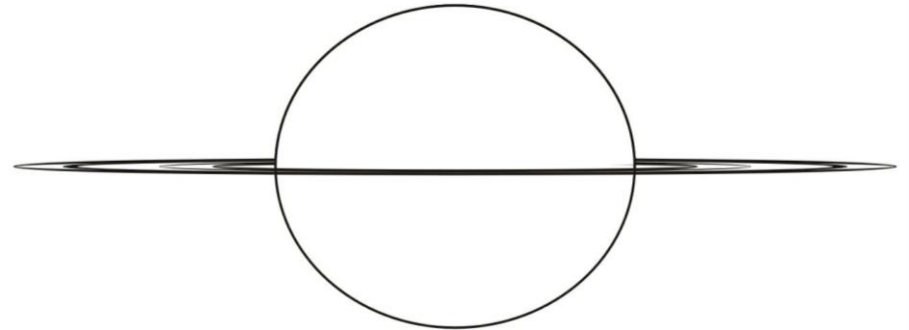
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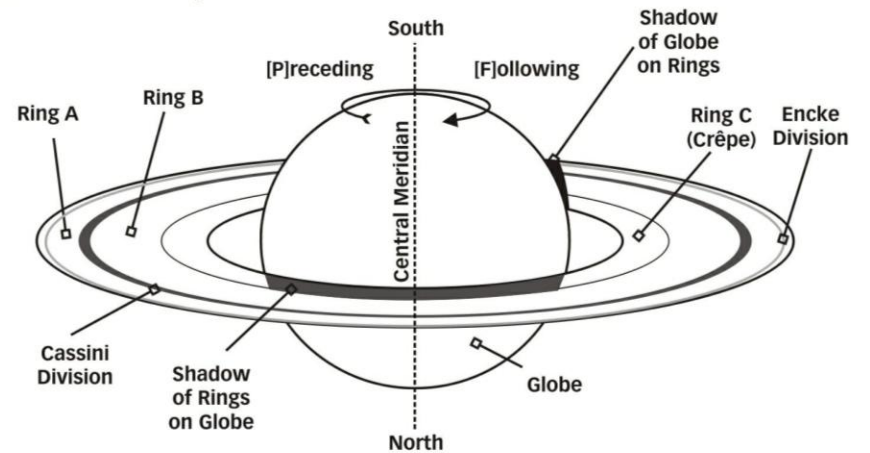
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## Intensity estimates.

Mark regions on the planet with intensity estimates.

The brightest part of the planet, normally taken to be the brightest part of the B ring, is intensity 0. The darkest region of sky surrounding the planet is taken as intensity 10.



Print scale check 50mm