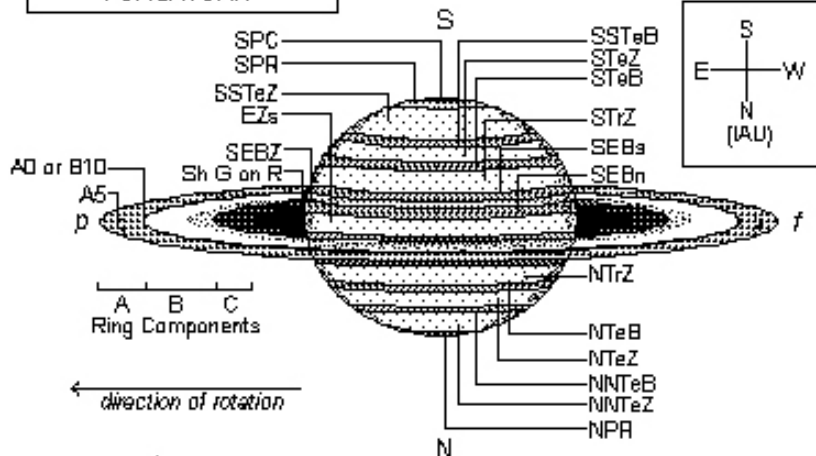


GENERAL NOMENCLATURE
FOR SATURN



System I: $10^{\text{h}} 14^{\text{m}} 00^{\text{s}}$ (IAU) Regions in Equatorial portion of Globe (e.g. EZ, SEB, NEB)
 System II: $10^{\text{h}} 38^{\text{m}} 25^{\text{s}}$ (ALPO) Regions North or South of System I

Association of Lunar and Planetary Observers (A.L.P.O.): The Saturn Section

A.L.P.O. Visual Observation of Saturn's Satellites
 (Attach this observation form to the main observing form for the same observing date)

Observer: _____ UT Date: _____

Reference Used for Locating Satellites: _____

- Basic Symbolism Employed:**
- V = Visual magnitude of Saturn's satellite (computed from estimate)
 - X^{os} = Magnitude of Comparison Star (brighter reference star)
 - Y = Magnitude of Comparison Star (dimmer reference star)
 - $>$ = Brighter than
 - $<$ = Dimmer than

NOTE: All magnitudes are visual magnitudes derived from a reliable star catalogue for comparison stars

Satellite (name)	Comparison Stars Utilized in Estimates					Magnitude Estimates for Satellites		
	Star X		Star Y			Tenths < X	V_{os}	Tenths > Y
	Designation:	RA	DEC	Visual Mag	RA			
	Visual Mag							

Source Utilized for Comparison Stars:

Descriptive Notes:

Association of Lunar and Planetary Observers (A.L.P.O.): The Saturn Section

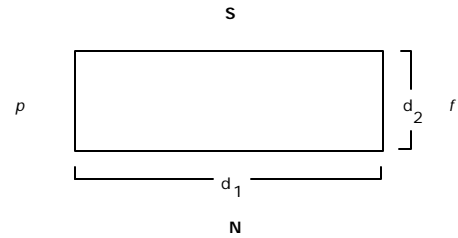
Central Meridian (CM) Transit Data and Sectional Sketches

(attach this form to main observation form)

Observer: _____

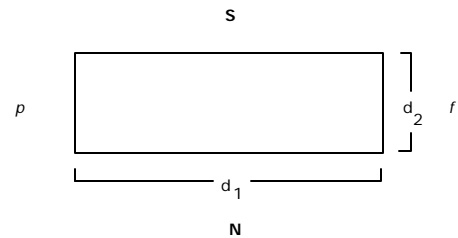
Object: _____

UT Date: _____ UT Time: _____ Location: _____ (do sectional drawing at right) CM I: _____° CM II: _____° d ₁ : _____" d ₂ : _____"
--



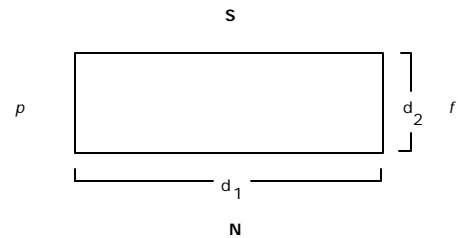
Object: _____

UT Date: _____ UT Time: _____ Location: _____ (do sectional drawing at right) CM I: _____° CM II: _____° d ₁ : _____" d ₂ : _____"
--



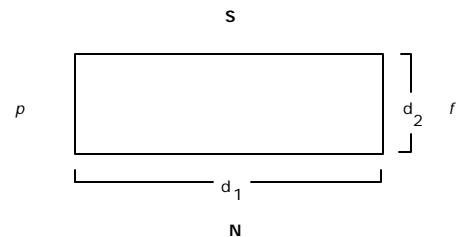
Object: _____

UT Date: _____ UT Time: _____ Location: _____ (do sectional drawing at right) CM I: _____° CM II: _____° d ₁ : _____" d ₂ : _____"
--



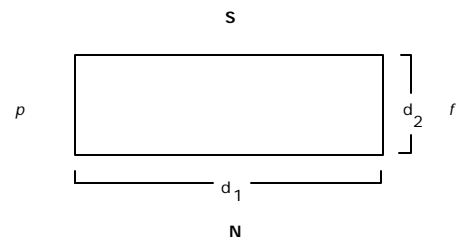
Object: _____

UT Date: _____ UT Time: _____ Location: _____ (do sectional drawing at right) CM I: _____° CM II: _____° d ₁ : _____" d ₂ : _____"
--



Object: _____

UT Date: _____ UT Time: _____ Location: _____ (do sectional drawing at right) CM I: _____° CM II: _____° d ₁ : _____" d ₂ : _____"
--

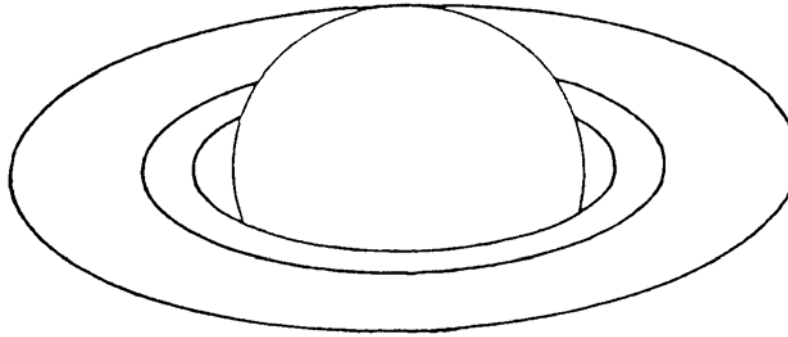
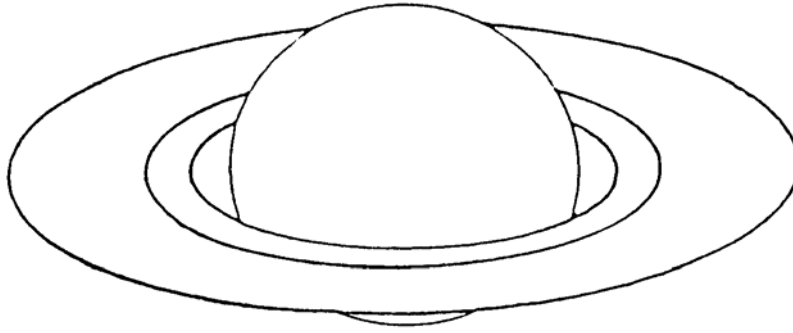


Sectional Sketch Notation: d₁ = longitudinal extent in arc sec (") p = preceding
 (all directions are IAU) d₂ = latitudinal extent in arc sec (") f = following

Association of Lunar and Planetary Observers (A.L.P.O.): The Saturn Section

A.L.P.O. Visual Observation of Saturn for B = -22° to -24°

S



N

Coordinates (check one): [] IAU [] Sky

Observer _____ Location _____

UT Date (start) _____ UT Start _____ CM I (start) _____ ° CM II (start) _____ ° CM III (start) _____ °

UT Date (end) _____ UT End _____ CM I (end) _____ ° CM II (end) _____ ° CM III (end) _____ °

B = _____ ° B' = _____ ° Instrument _____ Magnification(s) _____ Xmin _____ Xmax

Filter(s) IL(none) _____ f₁ _____ f₂ _____ f₃ _____ Seeing _____ Transparency _____

Saturn Global and Ring Features	Visual Photometry and Colorimetry			Absolute Color Estimates	Latitude Estimates ratio y/r
	IL	f ₁	f ₂		

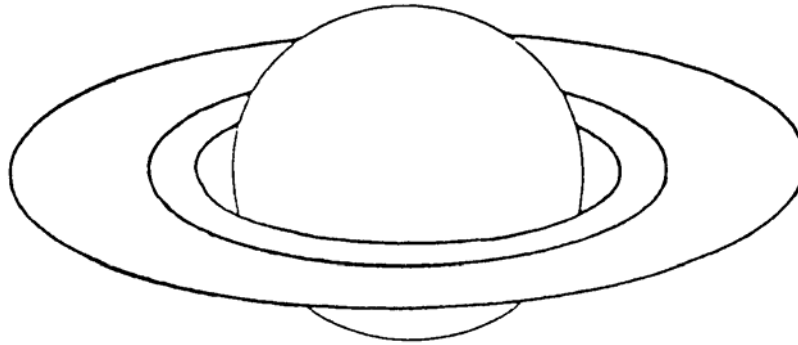
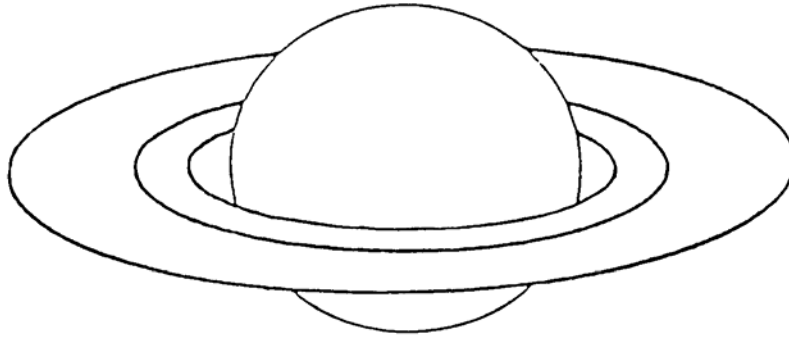
Bicolored Aspect of the Rings: No Filter (IL) (check one): [] E ansa = W ansa [] E ansa > W ansa [] W ansa > E ansa
 (always use IAU directions) Blue Filter () (check one): [] E ansa = W ansa [] E ansa > W ansa [] W ansa > E ansa
 Red Filter () (check one): [] E ansa = W ansa [] E ansa > W ansa [] W ansa > E ansa

IMPORTANT: Attach to this form all descriptions of morphology of atmospheric detail, as well as other supporting information. Please do not write on the back of this sheet. The intensity scale employed is the *Standard A.L.P.O. Intensity Scale*, where 0.0 = completely black ⇔ 10.0 = very brightest features, and intermediate values are assigned along the scale to account for observed intensity of features.
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Association of Lunar and Planetary Observers (A.L.P.O.): The Saturn Section

A.L.P.O. Visual Observation of Saturn for B = -18° to -20°

S



N

Coordinates (check one): [] IAU [] Sky

Observer _____ Location _____

UT Date (start) _____ UT Start _____ CM I (start) _____ ° CM II (start) _____ ° CM III (start) _____ °

UT Date (end) _____ UT End _____ CM I (end) _____ ° CM II (end) _____ ° CM III (end) _____ °

B = _____ ° B' = _____ ° Instrument _____ Magnification(s) _____ X_{min} _____ X_{max}

Filter(s) IL(none) _____ f₁ _____ f₂ _____ f₃ _____ Seeing _____ Transparency _____

Saturn Global and Ring Features	Visual Photometry and Colorimetry			Absolute Color Estimates	Latitude Estimates ratio yr
	IL	f ₁	f ₂		

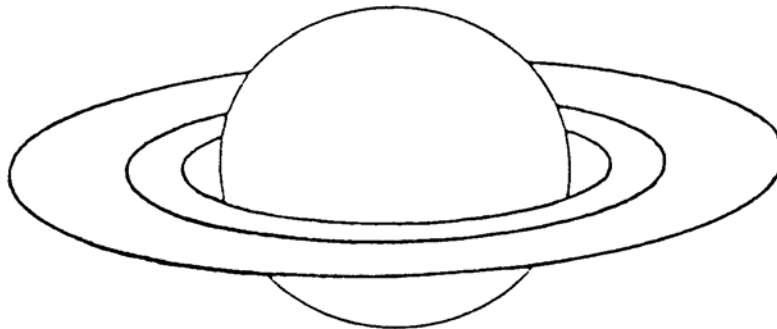
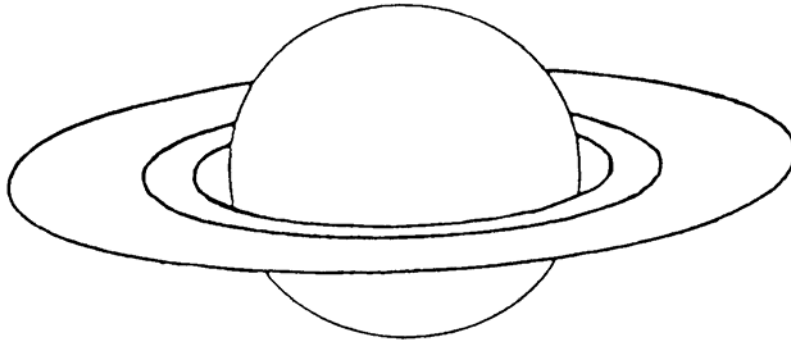
Bicolored Aspect of the Rings: No Filter (IL) (check one): [] E ansa = W ansa [] E ansa > W ansa [] W ansa > E ansa
 (always use IAU directions) Blue Filter () (check one): [] E ansa = W ansa [] E ansa > W ansa [] W ansa > E ansa
 Red Filter () (check one): [] E ansa = W ansa [] E ansa > W ansa [] W ansa > E ansa

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Association of Lunar and Planetary Observers (A.L.P.O.): The Saturn Section

A.L.P.O. Visual Observation of Saturn for $B = -14^\circ$ to -16°

S



N

Coordinates (check one): [] IAU [] Sky

Observer _____ Location _____

UT Date (start) _____ UT Start _____ CM I (start) _____ ° CM II (start) _____ ° CM III (start) _____ °

UT Date (end) _____ UT End _____ CM I (end) _____ ° CM II (end) _____ ° CM III (end) _____ °

$B =$ _____ ° $B' =$ _____ ° Instrument _____ Magnification(s) _____ X_{min} _____ X_{max} _____

Filter(s) IL(none) _____ f_1 _____ f_2 _____ f_3 _____ Seeing _____ Transparency _____

Saturn Global and Ring Features	Visual Photometry and Colorimetry			Absolute Color Estimates	Latitude Estimates ratio y/r
	IL	f_1	f_2		

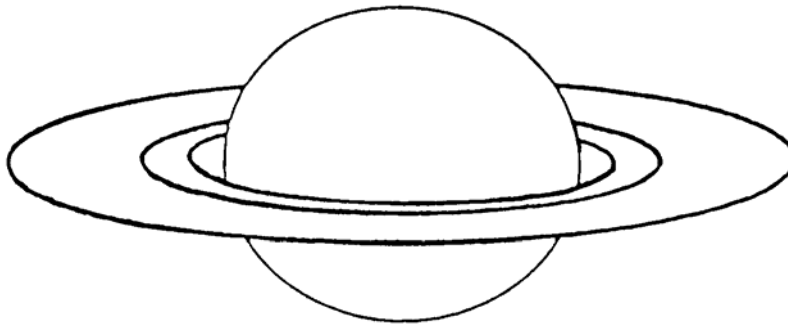
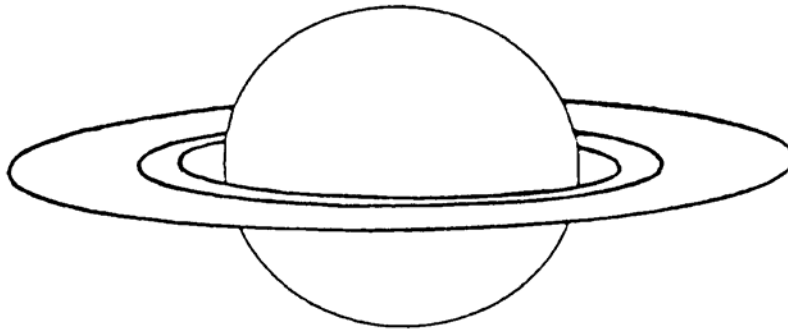
Bicolored Aspect of the Rings: No Filter (IL) (check one): [] E ansa = W ansa [] E ansa > W ansa [] W ansa > E ansa
 (always use IAU directions) Blue Filter () (check one): [] E ansa = W ansa [] E ansa > W ansa [] W ansa > E ansa
 Red Filter () (check one): [] E ansa = W ansa [] E ansa > W ansa [] W ansa > E ansa

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Association of Lunar and Planetary Observers (A.L.P.O.): The Saturn Section

A.L.P.O. Visual Observation of Saturn for $B = -10^\circ$ to -12°

S



N

Coordinates (check one): IAU Sky

Observer _____ Location _____

UT Date (start) _____ UT Start _____ CM I (start) _____ ° CM II (start) _____ ° CM III (start) _____ °

UT Date (end) _____ UT End _____ CM I (end) _____ ° CM II (end) _____ ° CM III (end) _____ °

B = _____ ° B' = _____ ° Instrument _____ Magnification(s) _____ X_{min} _____ X_{max}

Filter(s) IL(none) _____ f₁ _____ f₂ _____ f₃ _____ Seeing _____ Transparency _____

Saturn Global and Ring Features	Visual Photometry and Colorimetry			Absolute Color Estimates	Latitude Estimates ratio y/r
	IL	f ₁	f ₂		

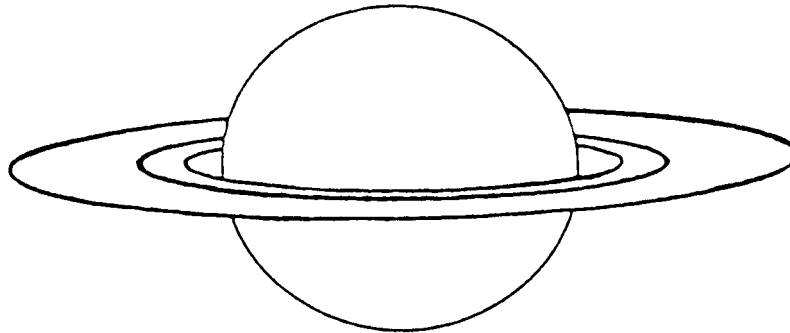
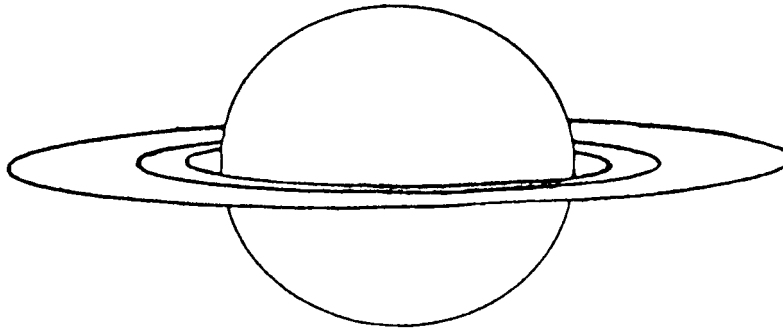
Bicolored Aspect of the Rings: No Filter (IL) (check one): E ansa = W ansa E ansa > W ansa W ansa > E ansa
 (always use IAU directions) Blue Filter () (check one): E ansa = W ansa E ansa > W ansa W ansa > E ansa
 Red Filter () (check one): E ansa = W ansa E ansa > W ansa W ansa > E ansa

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Association of Lunar and Planetary Observers (A.L.P.O.): The Saturn Section

A.L.P.O. Visual Observation of Saturn for B = -6° to -8°

S



N

Coordinates (check one): IAU Sky

Observer _____ Location _____

UT Date (start) _____ UT Start _____ CM I (start) _____ ° CM II (start) _____ ° CM III (start) _____ °

UT Date (end) _____ UT End _____ CM I (end) _____ ° CM II (end) _____ ° CM III (end) _____ °

B = _____ ° B' = _____ ° Instrument _____ Magnification(s) _____ X_{min} _____ X_{max}

Filter(s) IL(none) _____ f₁ _____ f₂ _____ f₃ _____ Seeing _____ Transparency _____

Saturn Global and Ring Features	Visual Photometry and Colorimetry			Absolute Color Estimates	Latitude Estimates ratio yr
	IL	f ₁	f ₂		

Bicolored Aspect of the Rings: No Filter (IL) (check one): E ansa = W ansa E ansa > W ansa W ansa > E ansa
 (always use IAU directions) Blue Filter () (check one): E ansa = W ansa E ansa > W ansa W ansa > E ansa
 Red Filter () (check one): E ansa = W ansa E ansa > W ansa W ansa > E ansa

IMPORTANT: Attach to this form all descriptions of morphology of atmospheric detail, as well as other supporting information. Please do not write on the back of this sheet. The intensity scale employed is the *Standard A.L.P.O. Intensity Scale*, where 0.0 = completely black ↔ 10.0 = very brightest features, and intermediate values are assigned along the scale to account for observed intensity of features. Copyright ©2005 Form S-0608 JLB

