

"Midnight Ramblings"

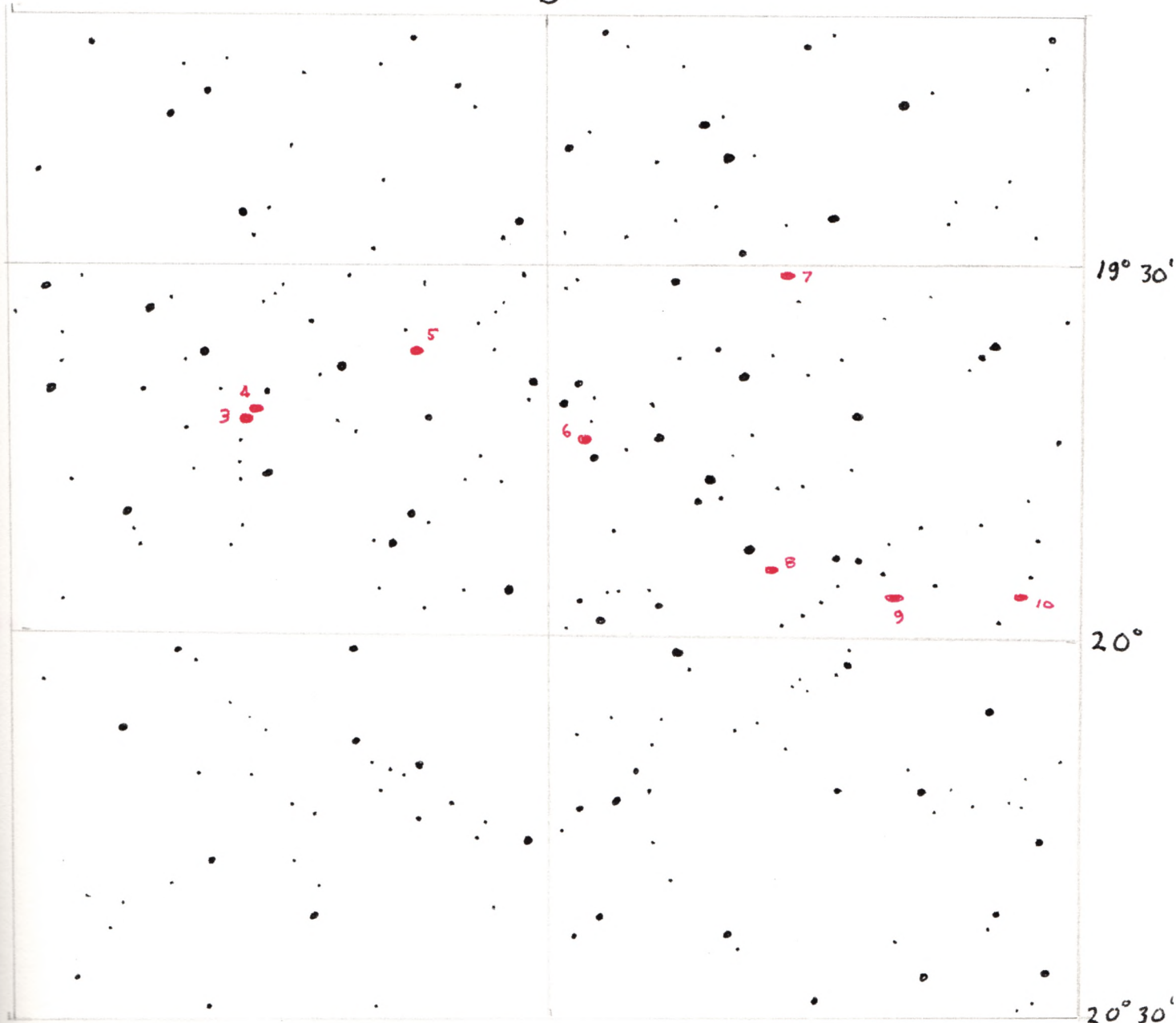
Volume 3

by Randy Pakan

Wens March 30th.

An excellent project to start a new volume. The 10 galaxies in M44. This is an exercise that I have wanted to do for 3 years now. I finally did it!

S



8hr. 37min.

cont

Galaxies in M 44

S

#1 NGC 2624 mag 13.6

#2 NGC 2625 14.9

#1 & 2 seen
fairly easily



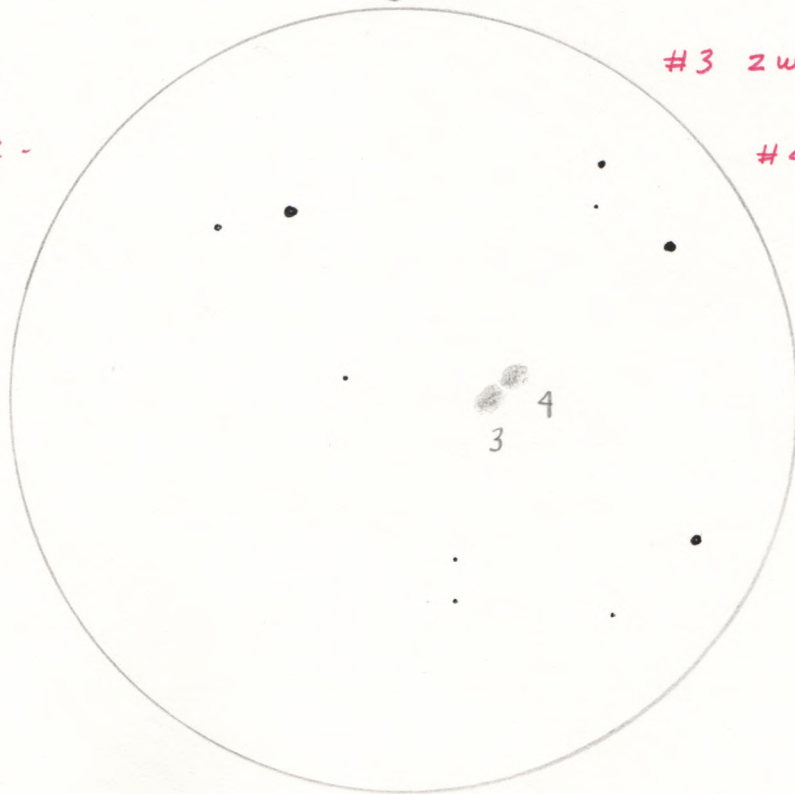
280x

S

#3 ZwG 089.056 14.2

#4 Keel 152 15

#3 & 4 seen as
an elongated haze -



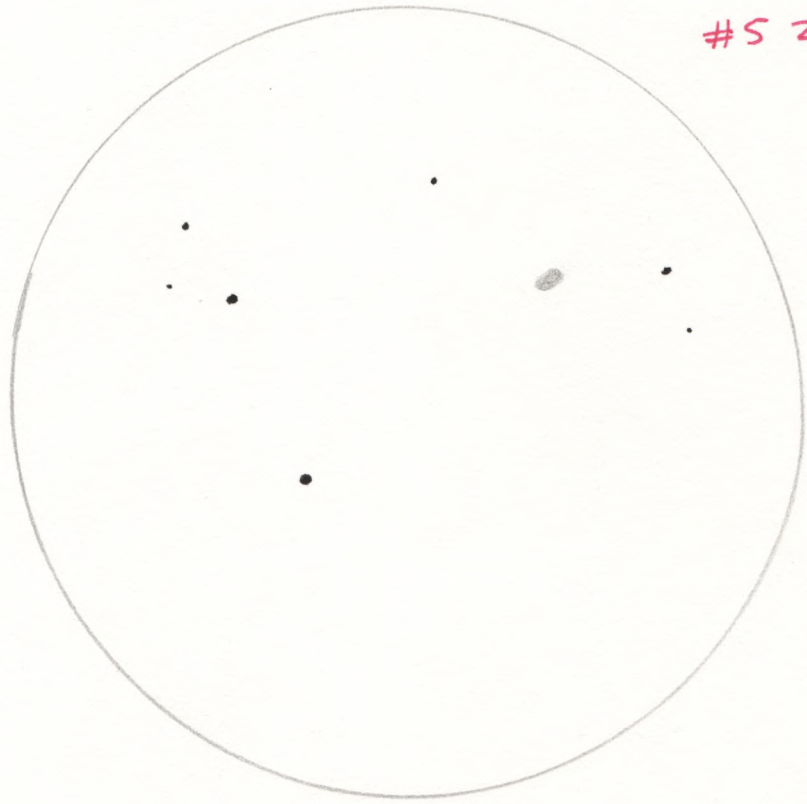
280x

Galaxies in M44 cont

S

#5 ZWG 089.062 14.6

Averted
vision



280X

S

#6 IC 2388 14.7

Averted
vision



280X

Galaxies in M44 cont

S

#7 ZWG 089.064 14.8

easy!



S

#8 NGC 2637 14.4

very hard!



Galaxies in M44 cont

S

#9 NGC 2643 14.6

fairly
easy.



280x

S

#10 NGC 2647 14.1

very
easy!



280x

April 15 was an excellent night (see vol. 2)

tonight April 16 we only got in an hour before
the cloud and aurora came up. I only did the
one following sketch.

NGC 2301 a very striking o.c., at 50x it really
stands out as a neat bent Y shape; about 50 stars.



100x
12' dia.

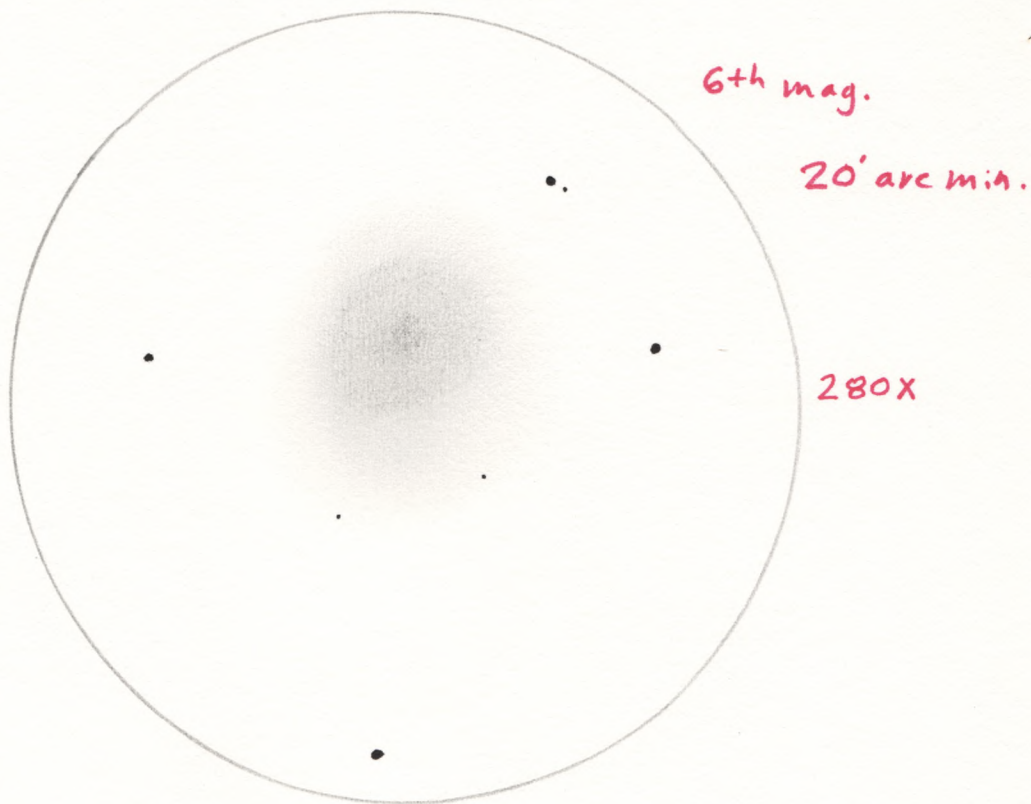
NGC 2301 in Mon.

April 8 Friday.

Third night out this week (tues, wens, friday). Plus out 2 nights last week and one the friday before.

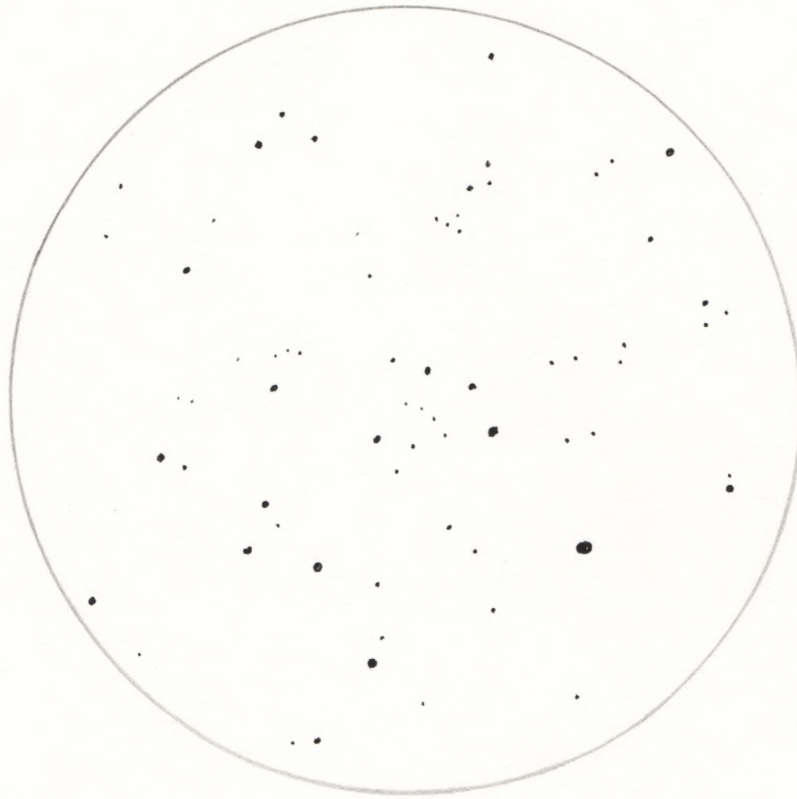
Six observing nights this window! My record by far!!! Lots of aurora, but very warm nights ($+3^{\circ}$ or so) and very transparent most nights. Finally a long spell of good transparency after the Penatubo fiasco. But unfortunately Jupiter is rather low and has been the pits so far!

Comet McNaught/Russell



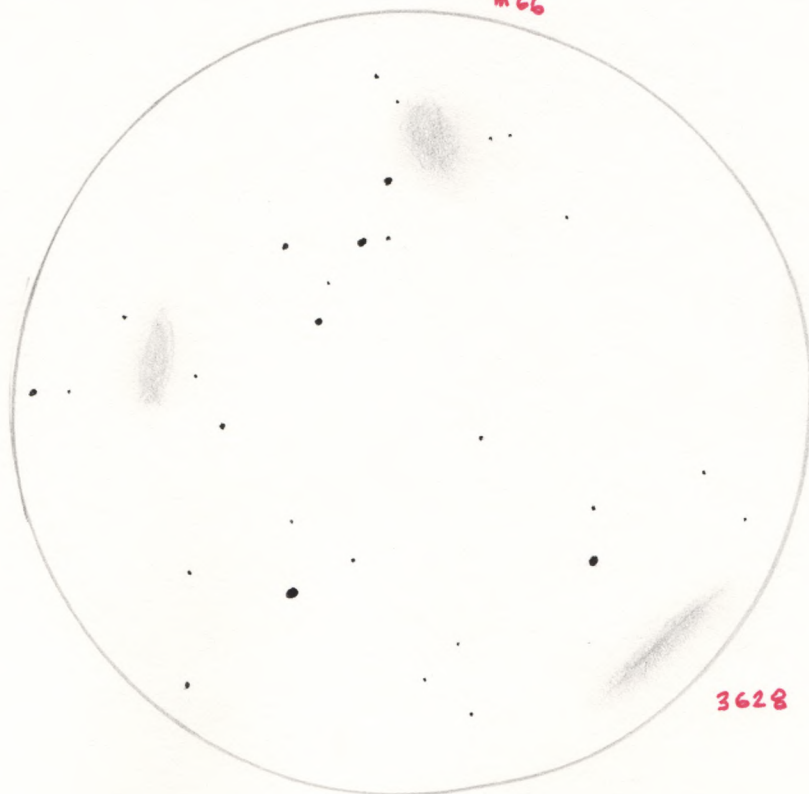
The comet is moving 3° a day! No sign of a tail.

M 67
Cancer.



240x

Leo trio

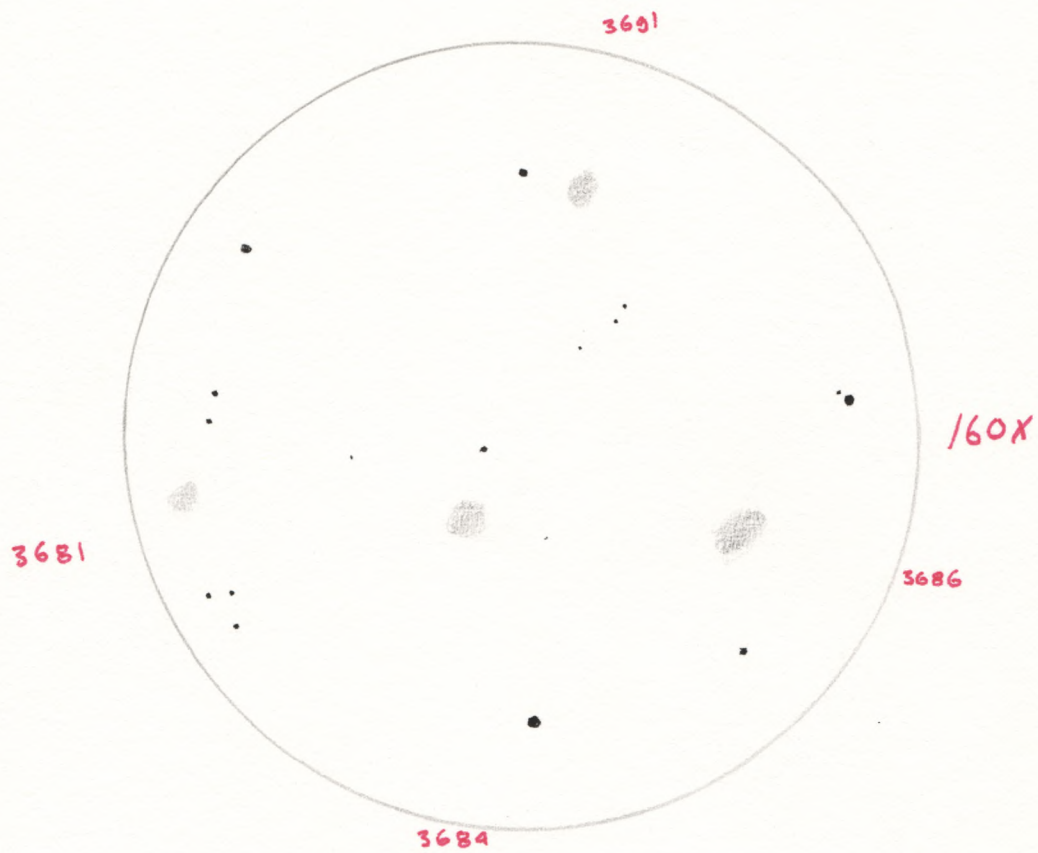


m66

m65

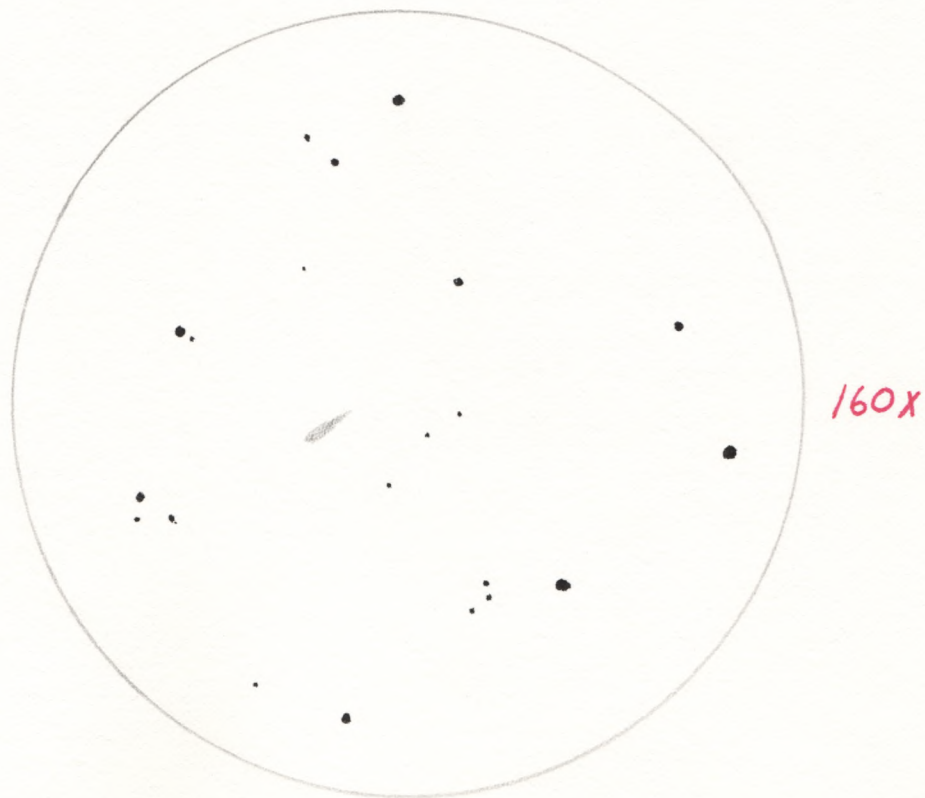
3628

Galaxies in Leo



3646

Edge on with a
bulge on one end.



Pal 5



160x

X see ahead
4 pages.



MS



Pal 5

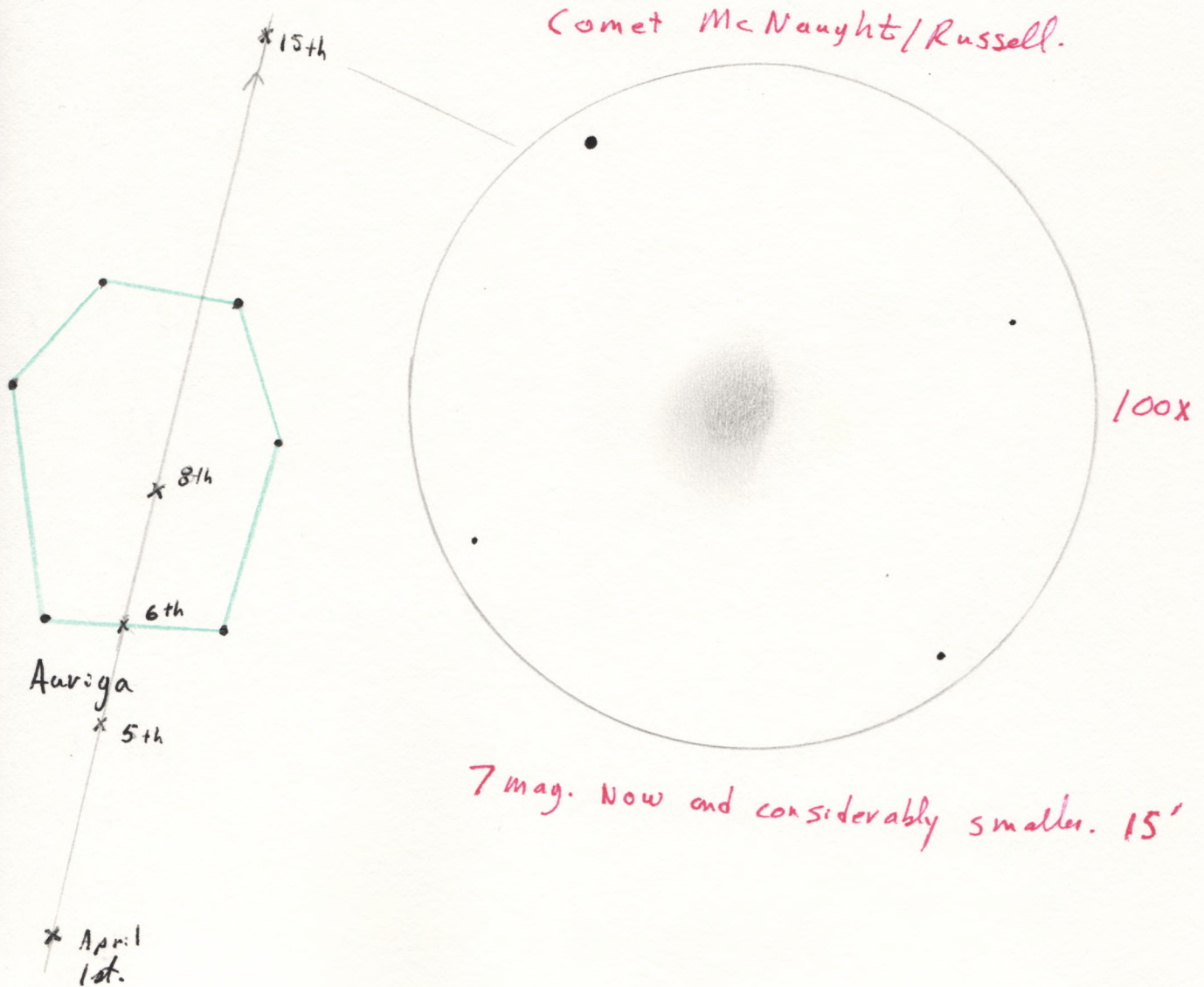
Pg 244
Uranometria

An easy star hop but a very hard object. It shouldn't have been so hard, Mag 11.8 and 20 arc min.

I decided to wash my mirror and try it again!

April 15 Friday. +14°!

This is the last night of the 15 day April window, I made it out 7 nights! My record by far! The moon didn't set until 1:00 and as it turned out the forecast was totally wrong. They called for clear and it got worse as the night progressed. Bob and I were the only ones to go out. It could have been a wonderful night if it stayed clear, the low was plus 10!!!



Phil Harrington
54A Dillmont Drive
Smithtown, New York 11787
[Internet: HARRINGTON@GENIE.GEIS.COM]

November 30, 1994

Mr. Randy Pakan
11133-19th Avenue
Edmonton, Alberta T6J 4Z5
CANADA

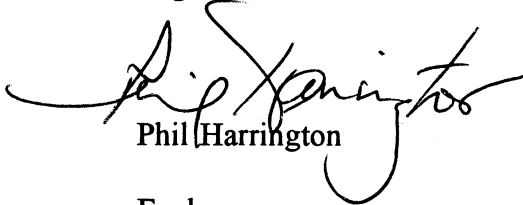
Dear Mr. Pakan:

Just wanted to update you on the progress of my deep-sky book for sky publishing. Things are proceeding ahead of schedule. In fact, I'm expecting to send them the completed manuscript within the next week. Included in there is mention of "Pakan's 3," also listed as STAR 18 in the asterism listing.

To help illustrate the written descriptions, I want to include your drawing of the asterism. In the interest of time, I've enclosed two copies of the permission form that the publisher requires to be signed before an illustration can be used. Please return one copy to me at your earliest convenience. All illustrations and corresponding forms are due at the publisher as soon as possible.

Thanks again for your support of this project. I'll keep you posted as things come along.

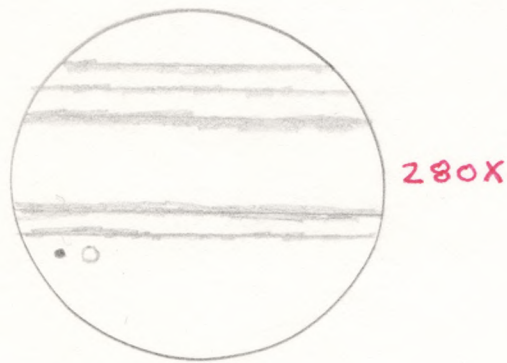
Regards,



Phil Harrington

Encl.

Jupiter is low this year and so far I have not had any good views, but, tonight it was great for about 30 minutes, and Europa and its shadow was transiting.



Europa and shadow
transit.

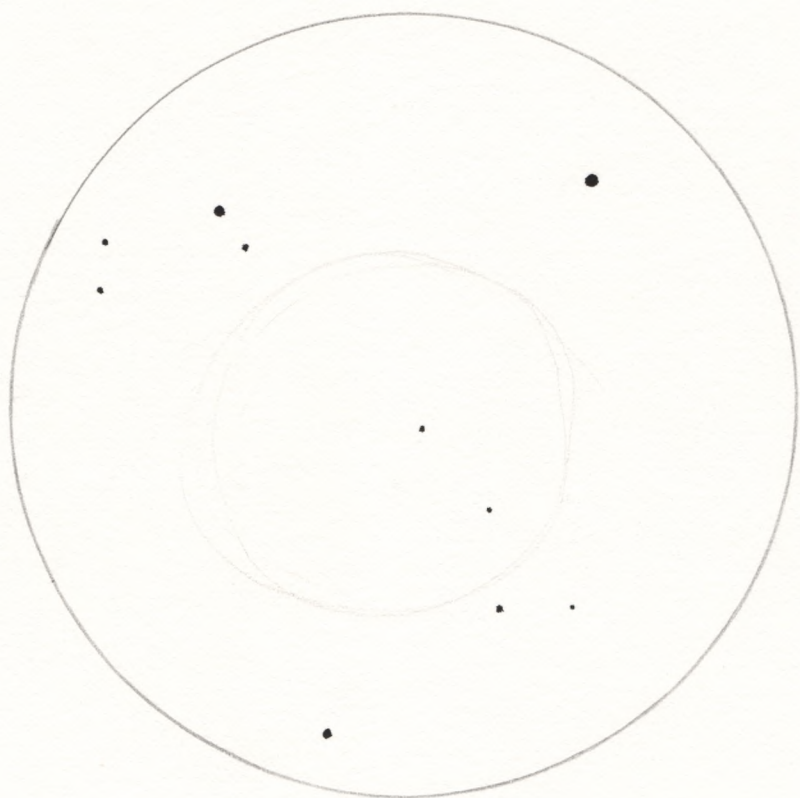
280X

April 29 +17° → +5° cloudy until 11:00 then great
until moonrise at 2:00

I was right! This is the beginning of the window and no Aurora! The sun's cycle is synced with the new moon, but off by a few days. So the start of the window is the best time to go out.

Got My last Palomars!

Pal 5



7 arc min
14.7 mag.
12

with 8.8

Covers a huge area. Faint stars would flash in and out with an overall brightening in the area.

Pal 14

Very hard, either
there are foreground
stars or it is
partially resolvable.



2' mag 14.7

220x

Pal 15

Very easy!
3 embedded stars.
Easier at lower
power than higher.



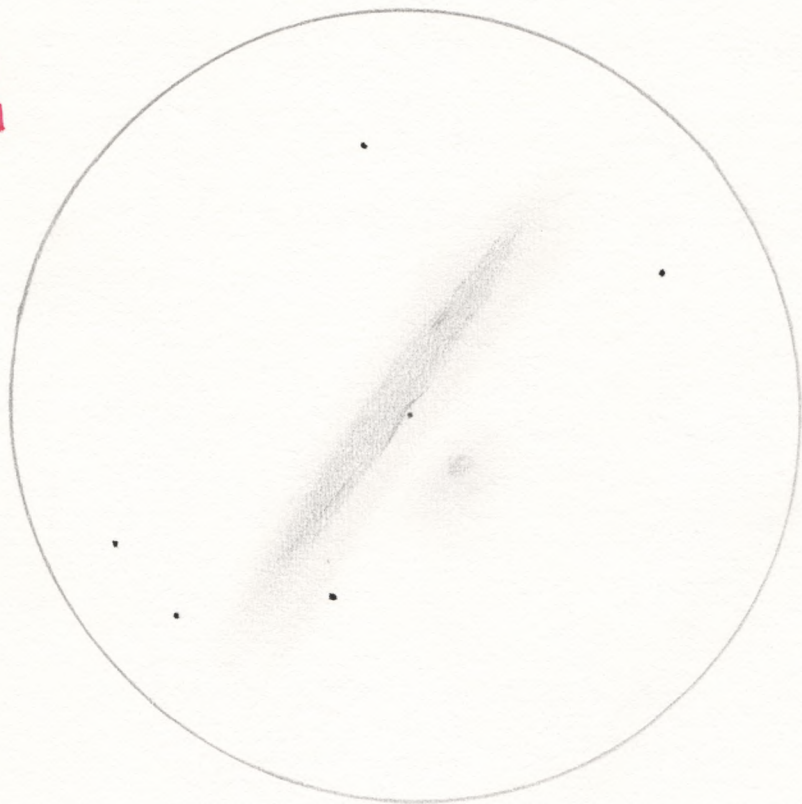
4' mag 14.2

160x

✓ confirmed.

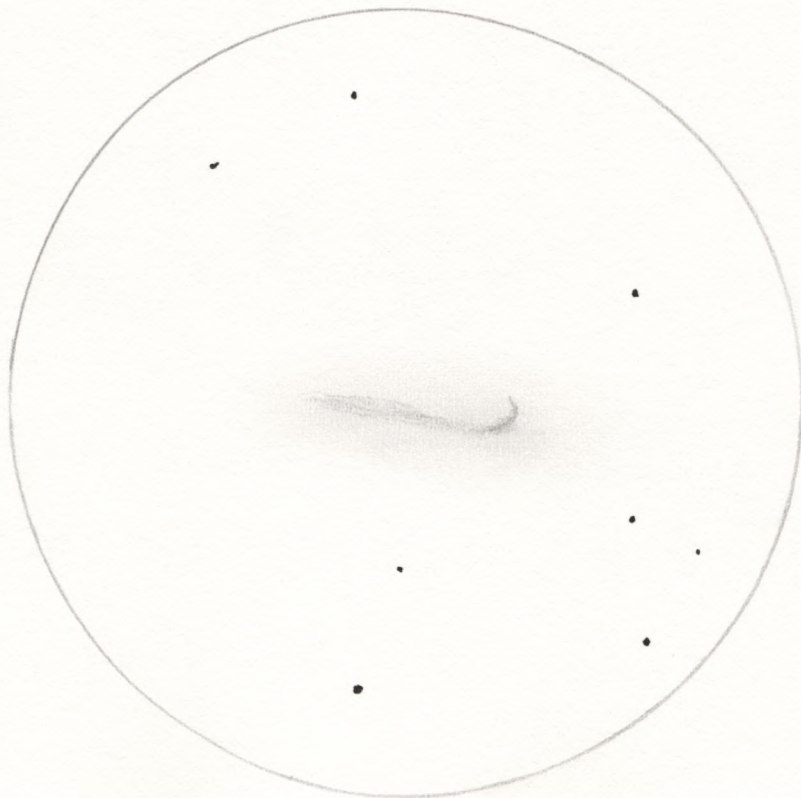
Two of my favorite objects.

NGC 4627
and 4631



220X

NGC 4656
4657



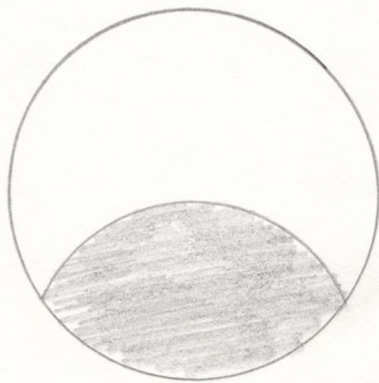
260X

May

The May window was a disaster. Little or ~~no~~ darkness, and when it was finally dark we got aurora. We had a good laugh, one ~~one~~ night was 2 hours of cloud followed by 3 hours of aurora.

May 12 Observing at Sylvan lake with the cubs was good. It is a great spot.

May 10 48% Solar eclipse.



with a welders filter the chunk looked very small, but projected onto a 12" disc with the physics 12 1/2" the chunk looked very big.

July 16

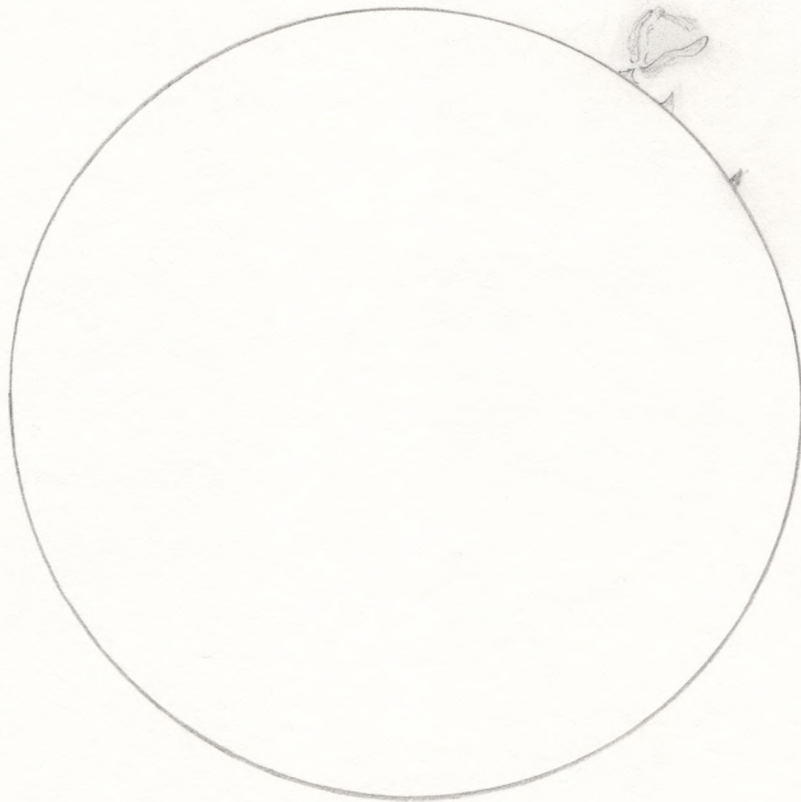
By July 14th the dark sky was back from 12:00 → 2:30. I didn't go out observing on the 14th but from the backyard I could see the Milky way, Equuleus, and Delphinus. I could also see the coat hanger asterism called eye as a patch.

Either this was a very transparent night or it was because Heritage Mall had all of their parking lot lights out due to construction. As I drove by the mall it was shocking how dark it was!

The SL9 comet crashes are this week and we are going to the Deck to watch but I doubt that we will see anything. They have a NASA satellite feed from the Hubbles telescope.

July 16.

Solar flares seen through an H alpha filter at the Deck. Looked like wisps of the violet nebula.



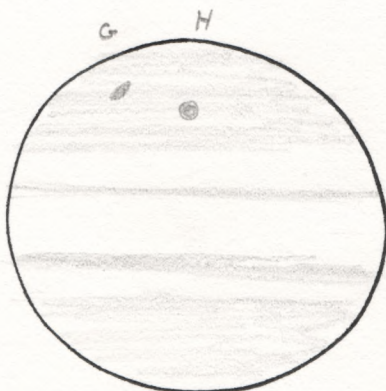
July 19 '94

Comet Shoemaker/Levy 9 Impacts!

The whole world is shocked at how big & dark the impact marks are. Very easily seen. Best from 7:00 until 10:00 before it is dark. The best views were with the sun blazing down on my scope!



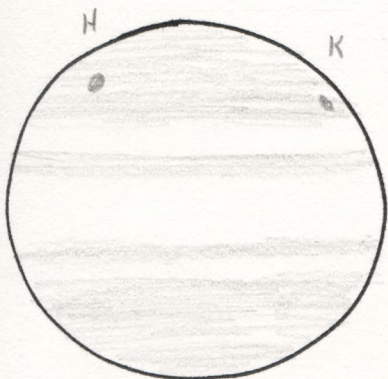
7:35



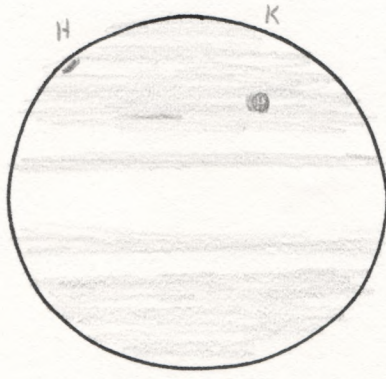
8:03



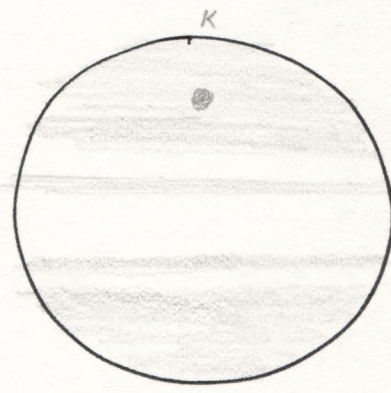
8:40



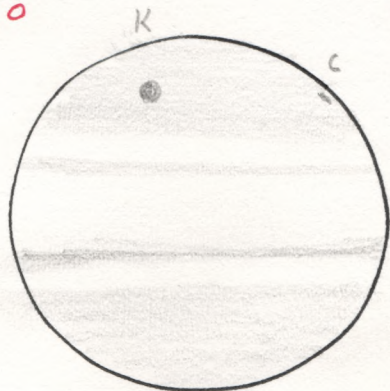
9:20



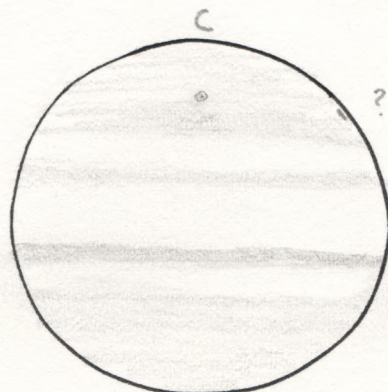
9:50



10:15



10:40



11:45

ASTRONOMY[®]

September 16, 1994

Randy Pakan
11133 19 Avenue
Edmonton, Alberta T6J 4Z5
CANADA,

Dear Mr. Pakan:

We plan to use your photo(s) of **Sites K & C** to accompany the article, "**Jupiter's Embattled Cloudtops**" in ASTRONOMY magazine. When it is published, we'll send you two copies of the **12/94** issue.

This letter expresses the terms of agreement between you and Kalmbach Publishing Company for publishing your photo(s). Would you sign both copies, return one in the enclosed envelope and keep the other for your files. Please note that we cannot issue your check until we receive your signed agreement.

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Thank you for submitting your work to us. We look forward to seeing it in print.

Sincerely,



Robert Burnham
Editor

Date

Signature

Social security or federal tax ID number
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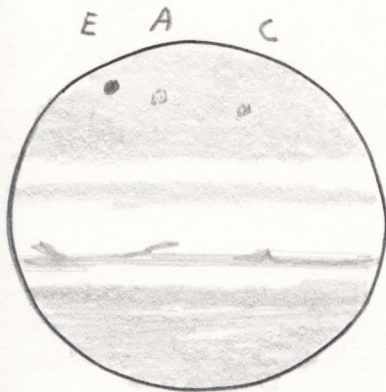
ASTRONOMY photo, December 1994, pg. 72 - Sketch of Impacts, Shadows,
and Festoons
to accompany the article
"Jupiter's Embattled Cloudtops"

SS# n/a

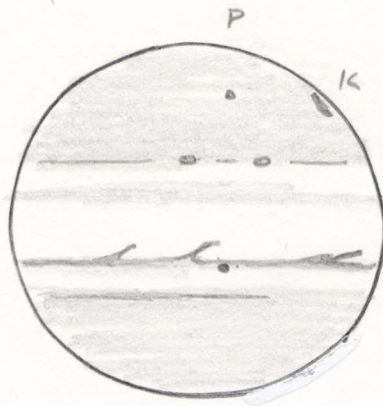
ACCT# 300-42310/130

July 20

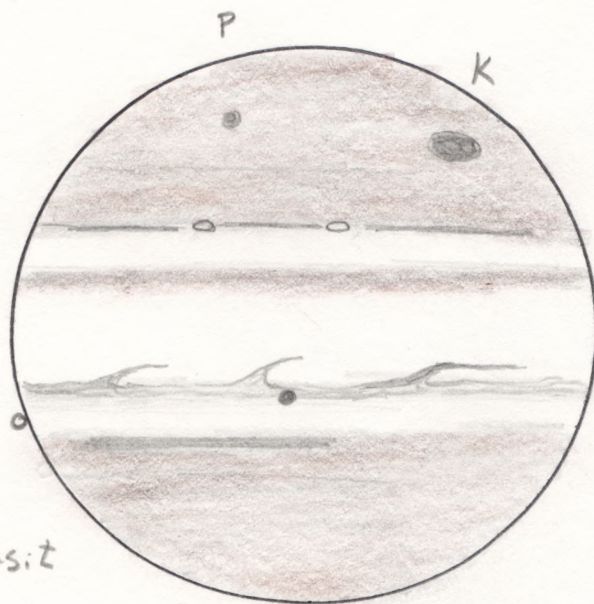
SL9 impacts



8:20



9:33



Europa
E
shadow transit

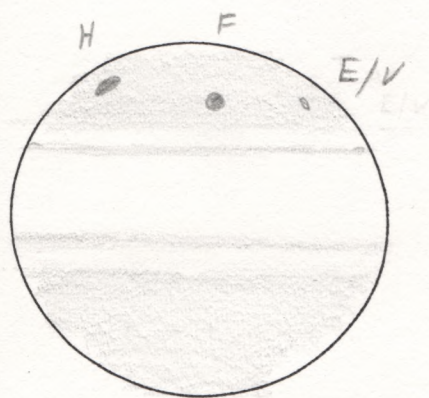
white ovals in
S. temperate
Belt.

10:05

Soft brown tint color.

July 22.

If observing is fantastic! From 9 to 10 was the best. As the sun was setting and before the air starts to cool the images were incredible!! A Huge white oval on the N Belt and an Io sh. Tr. plus the impact spot, made for an incredible sight.



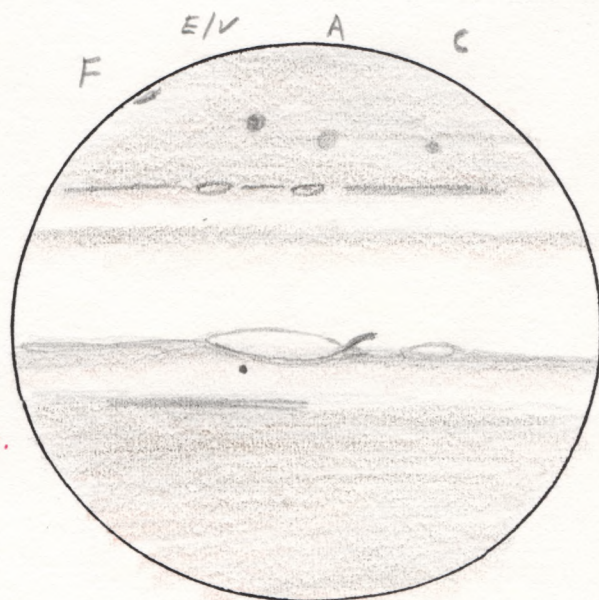
8:50

Seeing
Fair to
good.



9:17

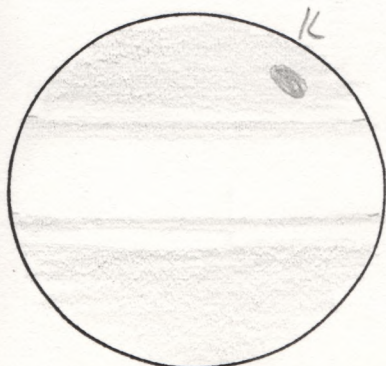
Io sh tr.



9:44

Excellent
seeing

Io
&
sh tr.



11:30

Poor seeing

Massive white oval & smaller
oval on NEB

Aug 11

Start of the 94/95 Observing.
(but everyone went to Kobau)

Perseids at Blackfoot. Not as good as last year but we saw 100 plus between 11:00 → 2:30. It was very wet, our notes & sleeping bags got quite wet but we enjoyed it none the less. Aron and Nicole both had fun. I photographed it with the Nikonus. Fujichrome 1600 processed for 800. F2.8 with exposures that ranged from about 4 minutes to 10 minutes.

Comet
Cass



10X50 Binocular
view

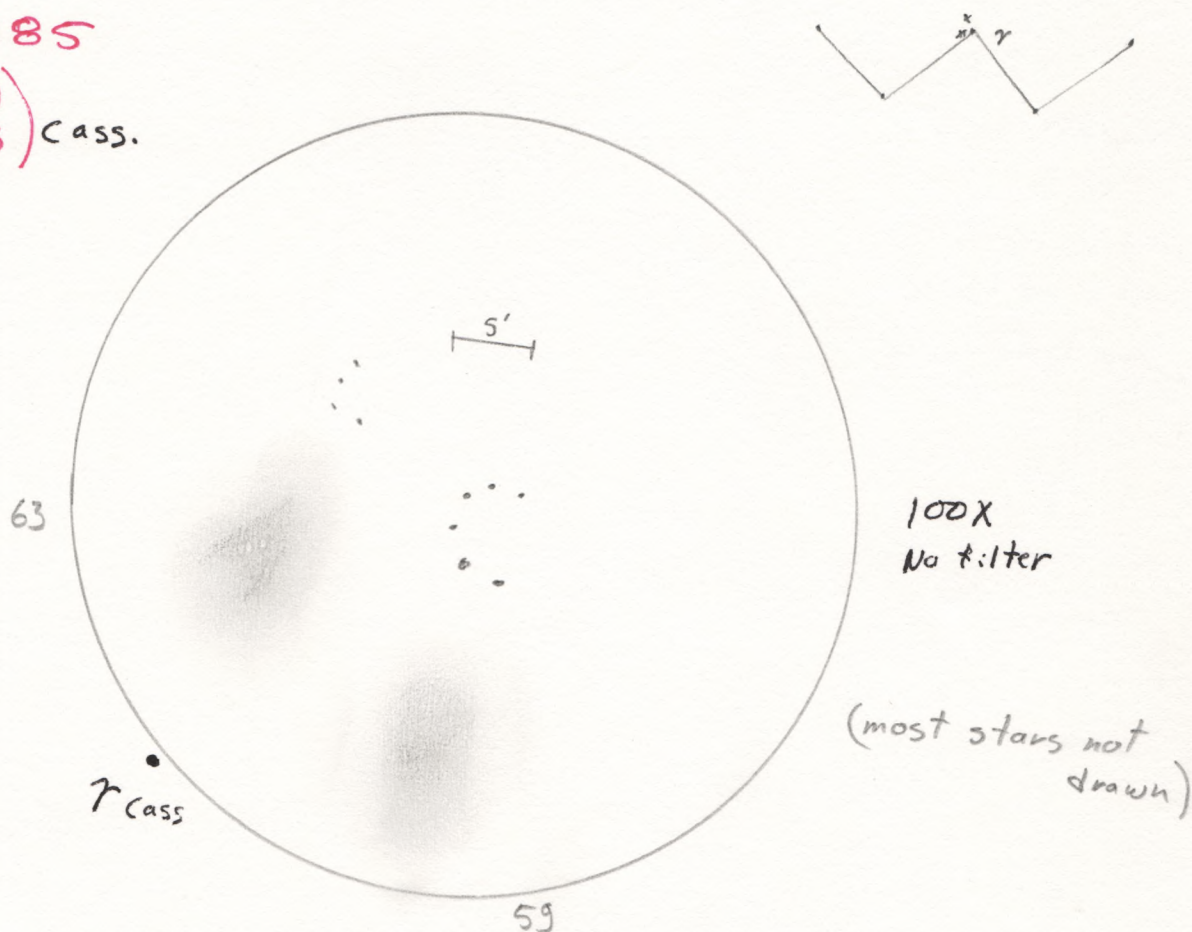
About 9 mag. in a
very rich field.
Quite nice.
Large & difused.

Sept 3

Alberta star party, good transparency but line ups at my scope so I only drew one New drawing.

Sh2-185

(IC 59)
(IC 63) Cass.

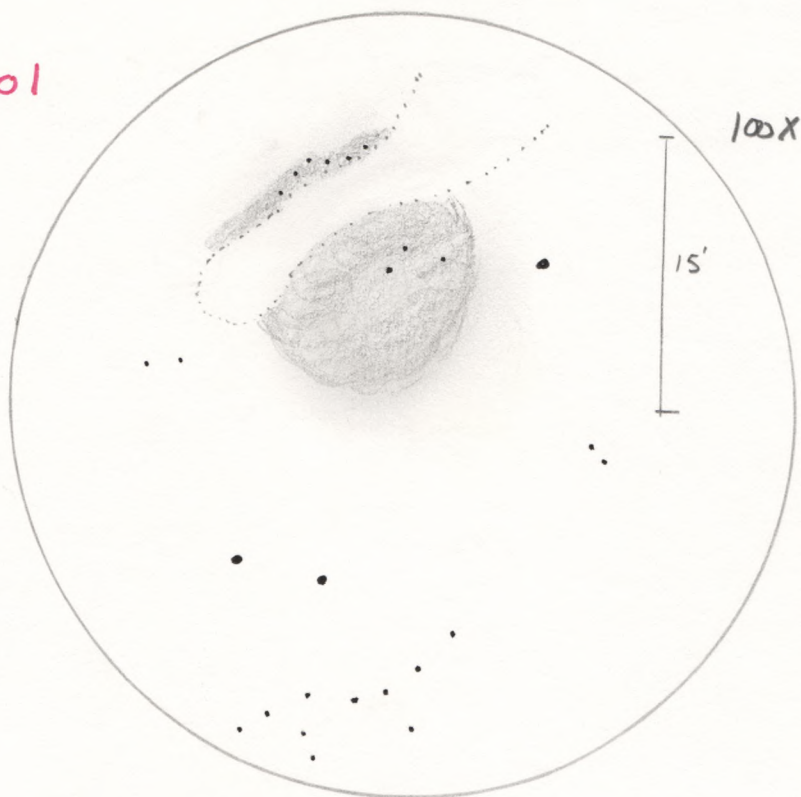


The trans was excellent, (6.7). These two were easy!
With 7 Cass just out of the field at 7:00 there is an ear shaped asterism in the center of the field;
IC 59 is at 9:00 and 63 at 6:30.

Sept 5

Sh2-101

Cygnus



18' X 10'
Dark neb splits
it into 2 parts
1-5 photo Brts
should have been
bright but was not!

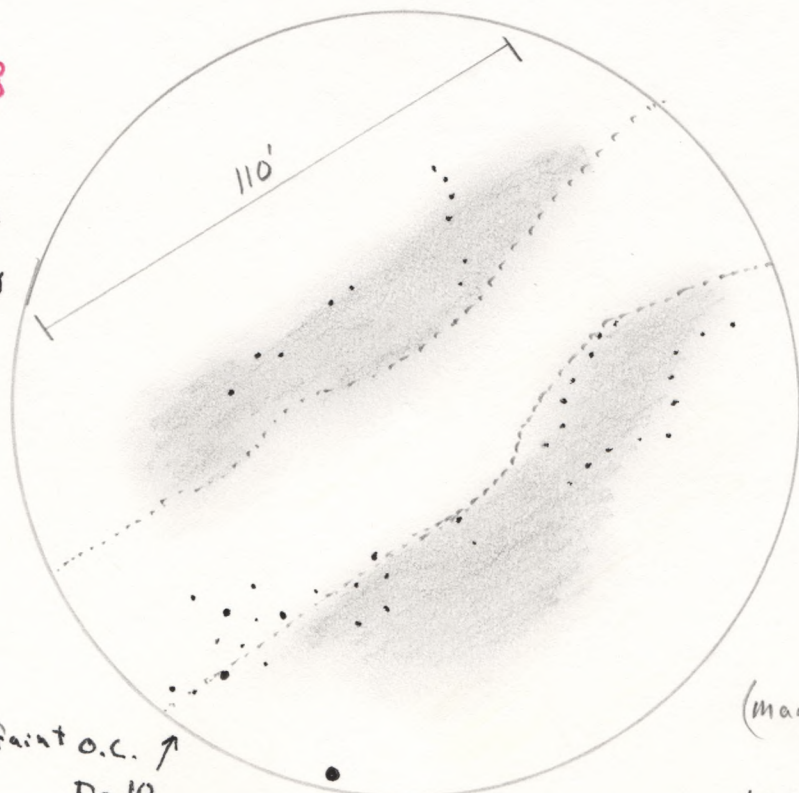
urano 119
ccd 212



Sh2-108

Cygnus

sw part of the
γ Cygnus complex



110' X 60'
3-5
Dark neb runs through

Easy! but a
superb night.

(many stars not drawn)

40X field and a half.



Sept 5

We only got 45 min before cloud rolled in, I drew one object but I suspect there was a good portion of it that I couldn't see. Redo on a better night.

Sh2-112

100X
OIII



Nebula flaring
off of source
star. Should
have been much
larger.

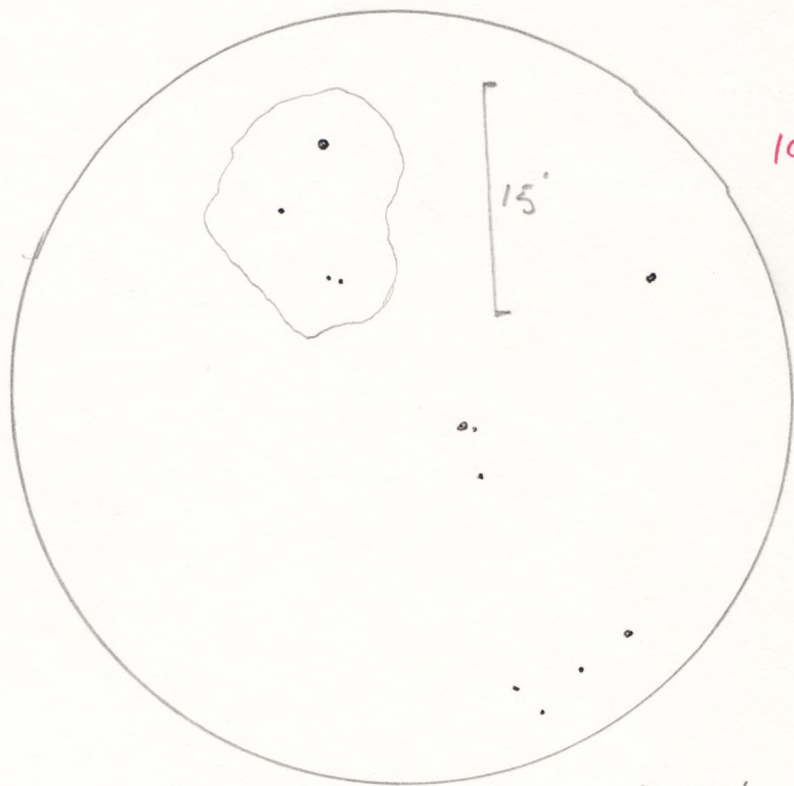


Friday Oct 1.

Back Mountain! low +2°

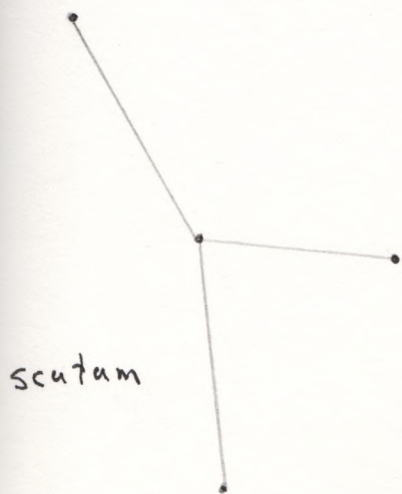
Although we had quite a bit of aurora it was very transparent and I still found several sharpless nebulae that I couldn't see last month at Blackfoot. The wind all day turned into just a slight breeze, -- No Dew at all and everywhere else very heavy dew!

Sh2-46



100X
OTI

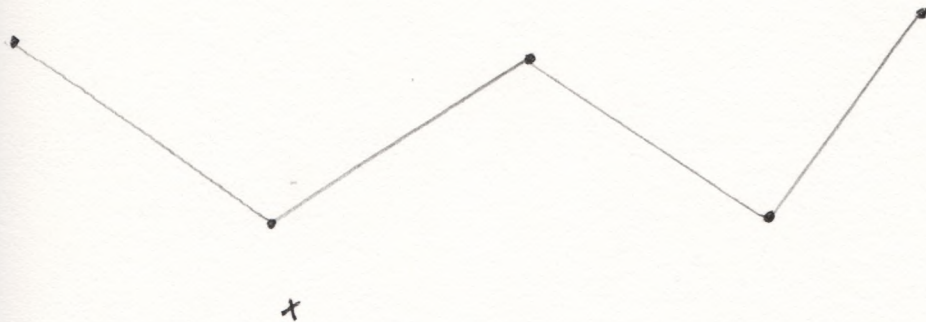
30' x 20'
3-5



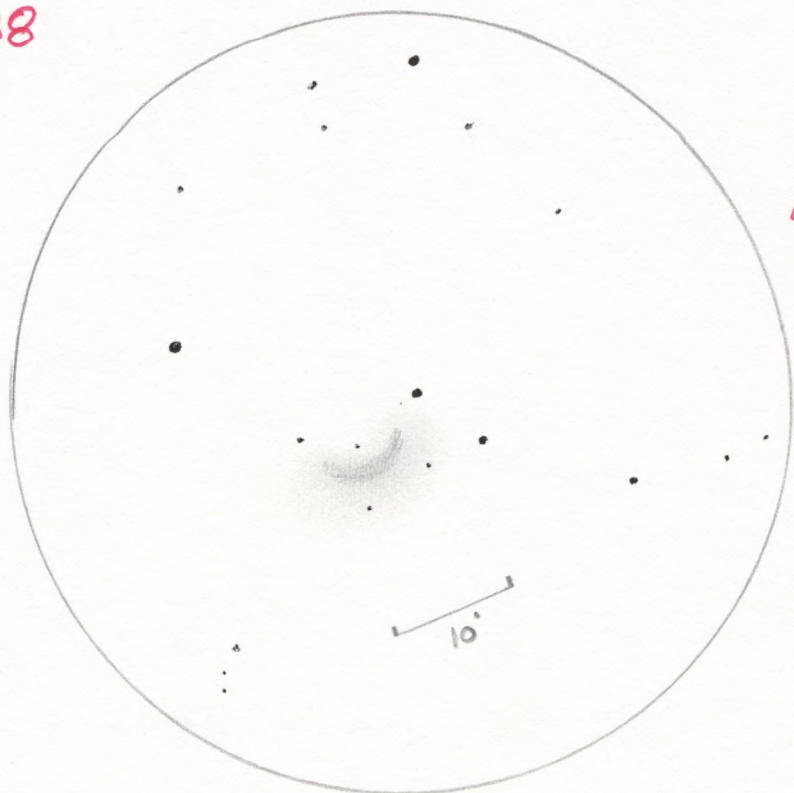
scutum

x Sh2-46

Very faint, I suspect there is much more to it than what I could detect.



sh2-188

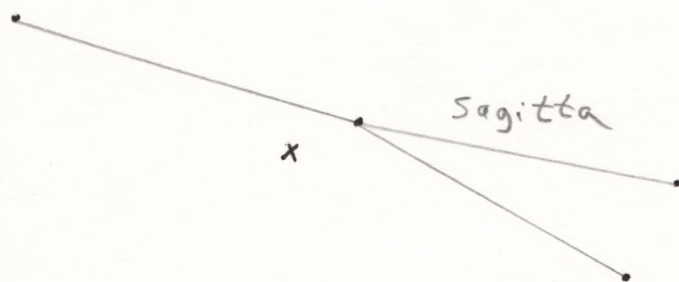
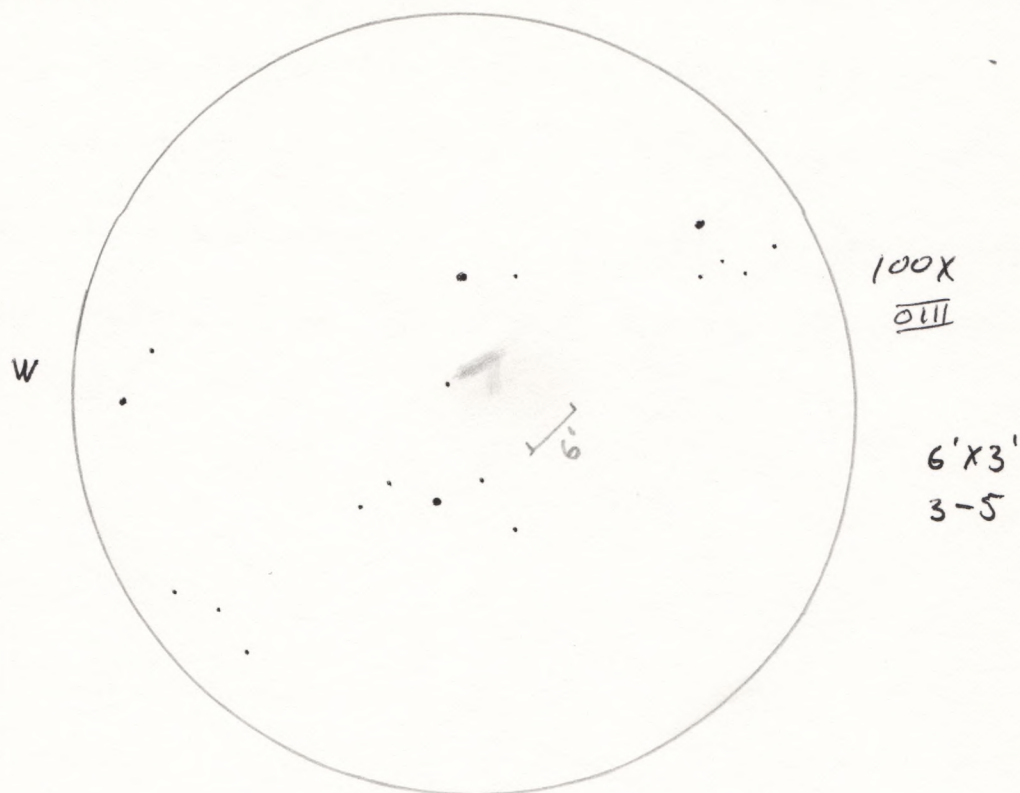


100X
III

10' X 3'
1-5

I couldn't see it at Blackfoot but it was easy at Buck even with aora. A small arc. Very nice. Requires excellent transparency.

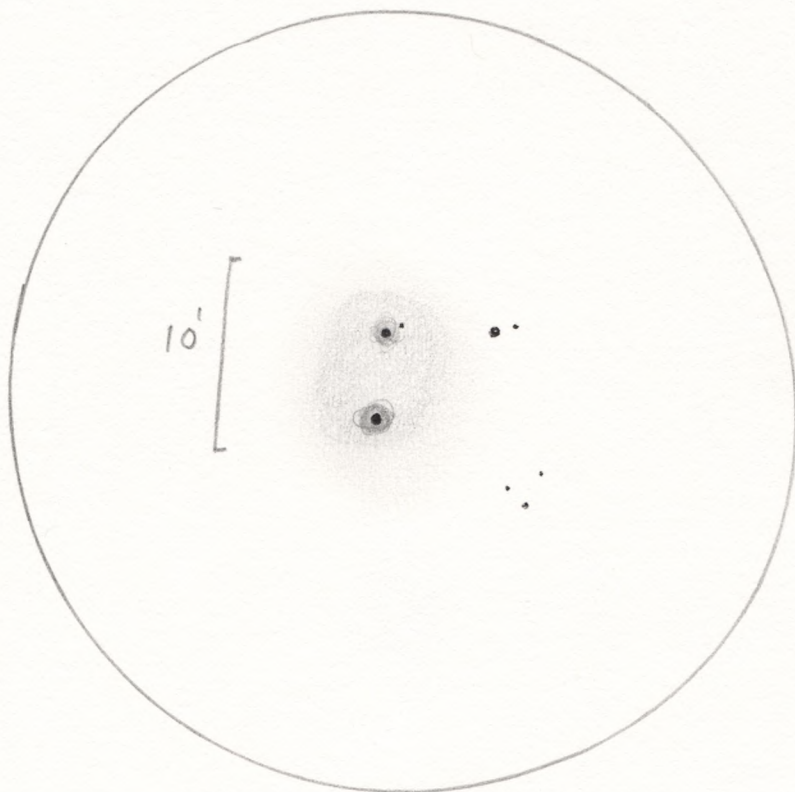
sh2-84



Seen as a smudge at first but look triangular after awhile. West arm or side much brighter. Quite hard.

A very interesting object. 3 parts to it, bright
nebulosity around a 10 mag source star, then less
bright nebulosity around a second star, and finally
very faint nebulosity in an overall area. Easy
star hop but hard to sort out because of very
rich field.

sh2-82

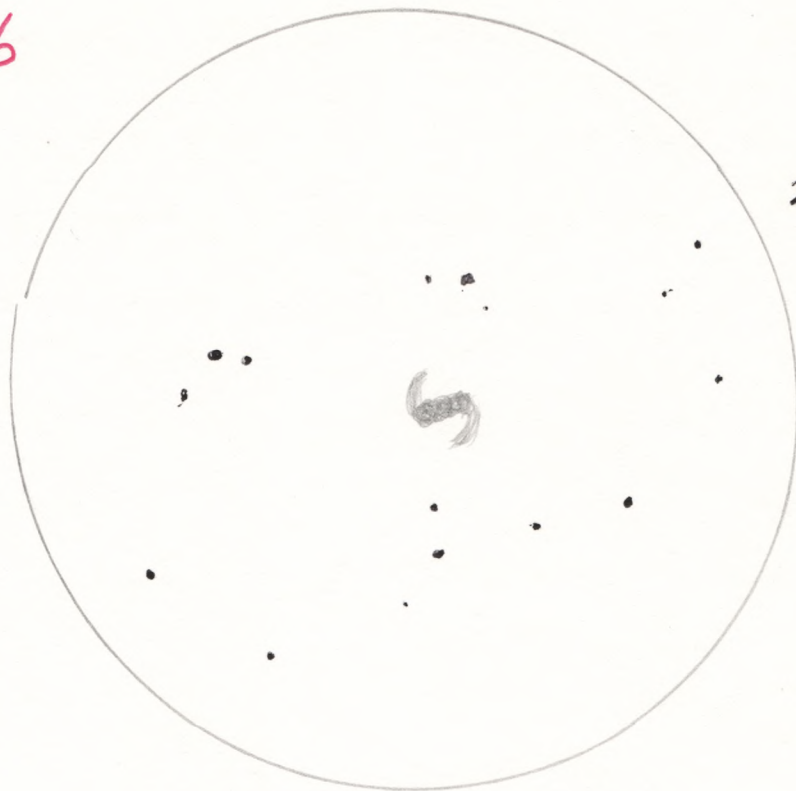


100x
OIII

Very odd!



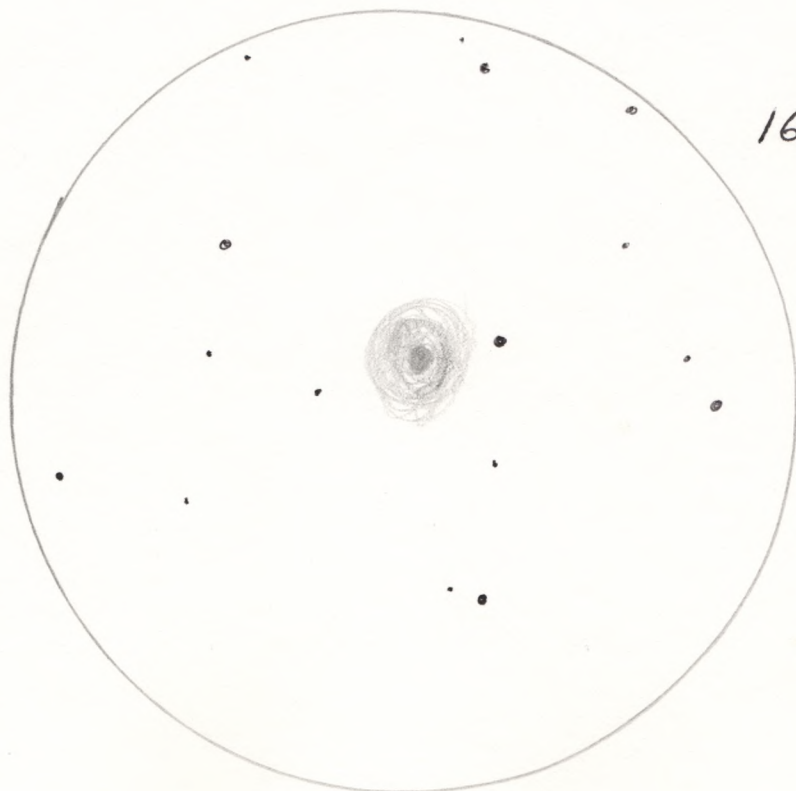
M 76



240X
OIII

The "Arms"
were easily seen.
(Buck)

M 77



160x

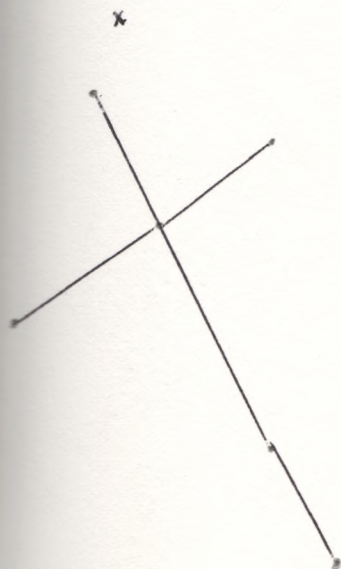
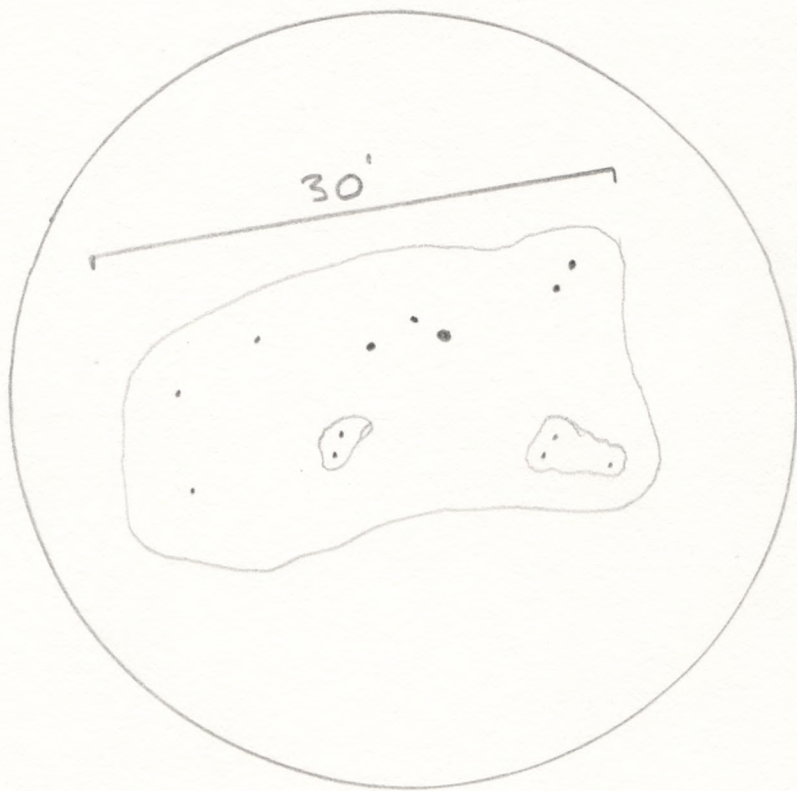
Bright centre
with obvious
faint arms.

Oct 29

We could see the milky way at 7:30! even before the sky was real dark. We had excellent seeing & transparency from 7:30 to 9:30. We then got fog, Aurora, and clouds. Before it craped out I could see the nebulosity of Gamma Cygnus which means it was pretty transparent.

sh2-115

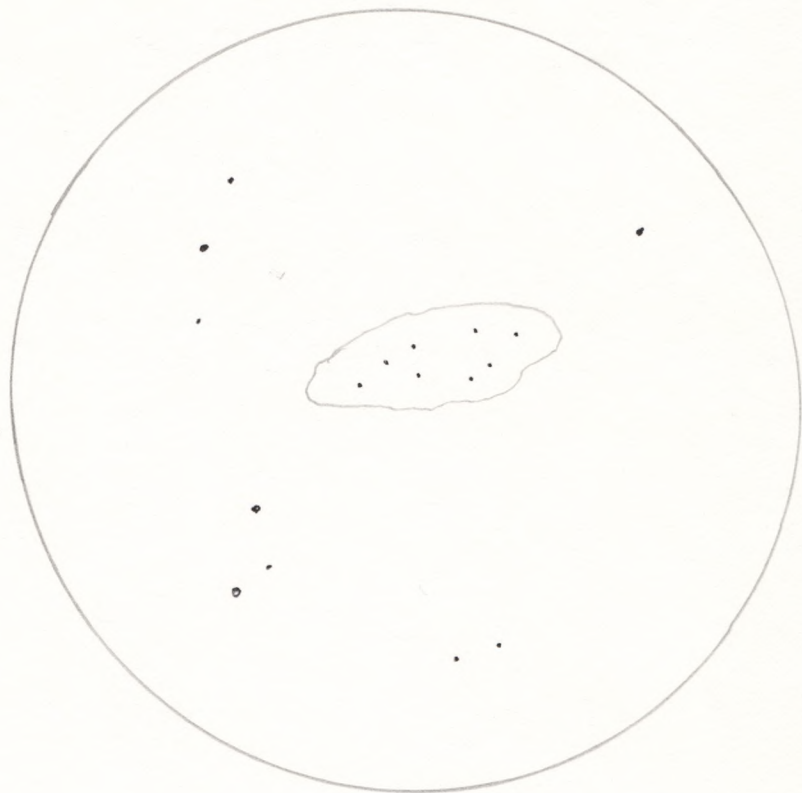
Very large and difused with a couple of bright patches.



Sh2-155

Cave Nebula.

The size and location fit, but I didn't see the
Cave shape, just a non-descript area around several faint stars.



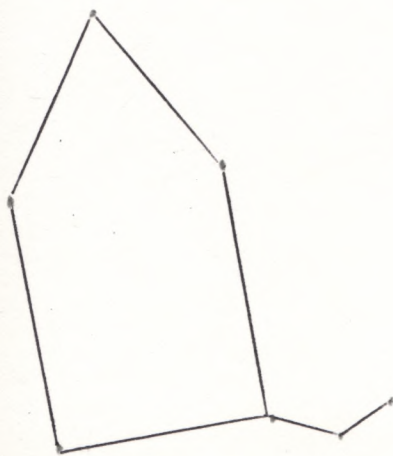
SOX
OIII

Sh2-155

x

x

Sh2-157



Nov 5

-5° No aurora! poor seeing but pretty good transparency. We could see a lot of the Gamma Cygni complex of nebulosity.

Tried for several new sharpless nebulas but only found one. stayed out untill 4:00!

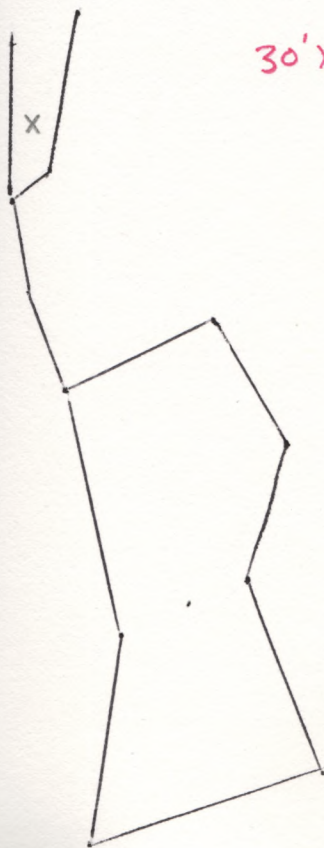
It's dark at 7.

Sh2-261
"Lower's nebula"

100X

III

30' x 25'



I'm sure that this is only a portion of it.

Seen again and better

on Jan 22/95

Jan 22

went out a couple of times in Nov & Dec but often high clouds shut us down or we looked at bright stuff. Jan 22 great night! -7 for the low and very transparent. The clouds did come in at 11:00 but I was out at 6:00 so I had a good night. For the first time I could see the Horsehead without a filter!

sh2-241

Fairly easy
but tricky starhop

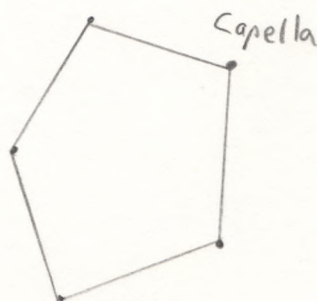


Auriga
urano 98

2' x 2'
E+R
photo Brightness 2-5
OIII

Nebulosity around 2 stars,
very obvious when compared
to nearby stars.

sh2-241
x

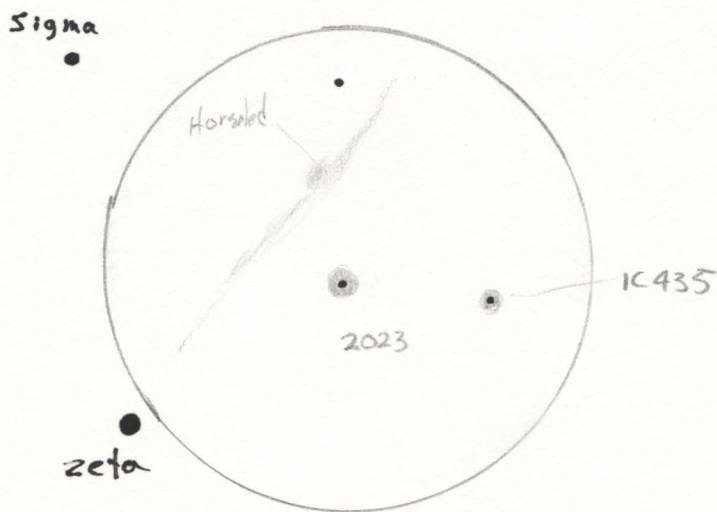


Mars Jan 22



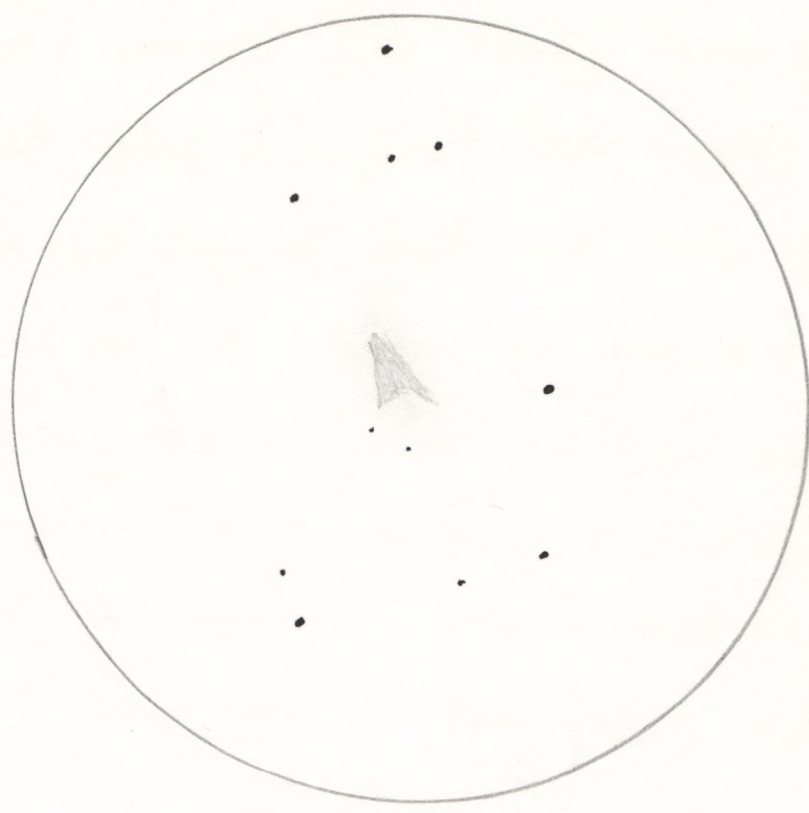
Horsehead with No filter.

The night was so good we could see IC 435 and NGC 2023, these are the nebulae patches around 2 stars near the Horsehead.



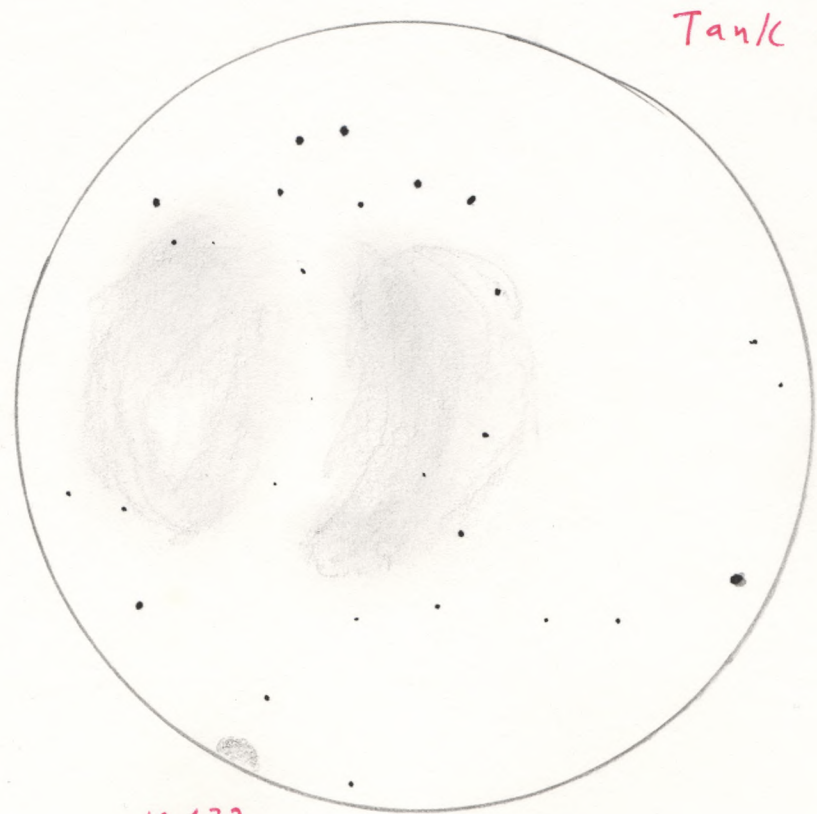
Hubble's Variable Nebula NGC 2261

Monoceros



Tank track
2024

zeta

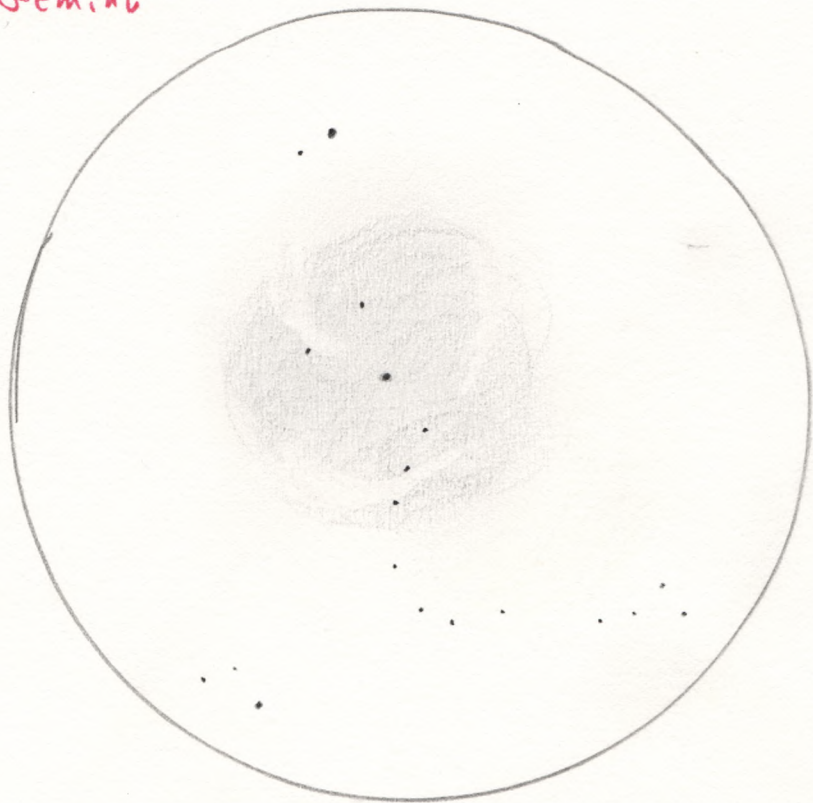


IC 432

Feb 3

It rained like crazy today with a high of plus 6! Just like a day in April! an overnight low of about -4! The humidity was 90% but we had a breeze and never did hit the dew point. Very transparent but high cirrus came and went. Also a few spikes of Auroras. But because it was so warm it was a great night to get out. Al Dyer came up from Calgary and joined us.

1274/75 Gemini



KAMAOLE
BAR & GRILL
KIHEI, MAUI, HAWAII

ROOM SERVICE MENU

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Aug 6/95
2040 L-5

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KAMAOLE
BAR & GRILL
 KIHEI, MAUI, HAWAII

ROOM SERVICE MENU

BREAKFAST

Served 7am to 11am

STARTERS

Fruit Juices: <i>Pineapple, guava, orange, tomato and apple</i>	\$ 3.00
Half Grapefruit or Half Local Papaya	\$ 4.00
Tropical Fruit Medley	\$ 4.00

CEREALS

Corn Flakes, Rice Krispies, Bran Flakes <i>and other favorites</i>	\$ 3.50
Oatmeal <i>with Cinnamon, Raisins and Brown Sugar</i>	\$ 5.00

CONTINENTAL BREAKFAST

<i>Choice of Juice and Coffee, Tea or Milk with Your Choice of Fresh Baked Muffin or Danish</i>	\$ 6.50
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ENTREES

Served with Hash Brown Potatoes or Steamed Rice

Two Eggs, Any Style - <i>Choice of Bacon, Link or Portuguese Sausage or Canadian Bacon, Choice of Toast</i>	\$ 7.00
Three Egg Omelette - (<i>"Egg Beaters" Available</i>) - <i>with Cheese, Ham & Cheese or Vegetable & Cheese</i>	\$ 8.00

FROM THE GRIDDLE

Buttermilk Pancakes	\$ 6.00
Portuguese Sweet Bread French Toast <i>Dusted with Powdered Sugar</i>	\$ 6.50

BEVERAGES

A Pot of Freshly Brewed Coffee	\$ 5.00
Selection of Teas	\$ 2.00
Hot Chocolate	\$ 3.00
Soft Drinks	\$ 2.00
Iced Tea	\$ 2.00
Milk	\$ 2.50

LITE ENTREES

Served 11 AM to 2 PM & 5 PM to 9 PM

COCONUT FRIED SHRIMP <i>with Sweet and Sour Marmalade</i>	\$ 8.95
FRIED CALAMARI <i>Tartar and Cocktail Sauces</i>	\$ 6.95
SPICY CHICKEN WINGS <i>with Blue Cheese Dressing</i>	\$ 6.95
SASHIMI ISLAND STYLE <i>Traditional Garnish</i>	Daily Quote
ONION RINGS <i>U.S. Jumbo onion with house sauce</i>	\$ 5.00

SALADS

Caesar Salad <i>with grilled chicken or Bay Shrimp</i>	\$ 8.25
Polynesian Chicken Salad <i>with Fresh Fruit and Sesame Mayonnaise</i>	\$ 9.00

SANDWICHES AND BURGERS

Served with Steak Fries or Maui Potato Chips

Island Fish Sandwich <i>on a French Roll</i>	\$ 9.00
Broiled Skinless Breast of Chicken <i>on an Onion Bun with Swiss Cheese and Bacon</i>	\$ 9.00
New York Steak Sandwich <i>Broiled and Served on a French Roll</i>	\$10.25
Breast of Turkey Sandwich <i>Choice of Bread and a Pickle</i>	\$ 7.25
Tuna Salad <i>in Pita Bread</i>	\$ 7.25
Kamaole Burger <i>on an Onion Bun</i>	\$ 7.25
<i>Cheddar, Swiss or Monterrey Jack Cheese</i>	\$ 8.00

DESSERTS

Ask For Daily Special

Minimum Orders - \$7.00 - 15% Gratuity will be added to all checks - To Place An Order Dial 2



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March 23rd.
Comet Hyakatake '96

Arcturus.

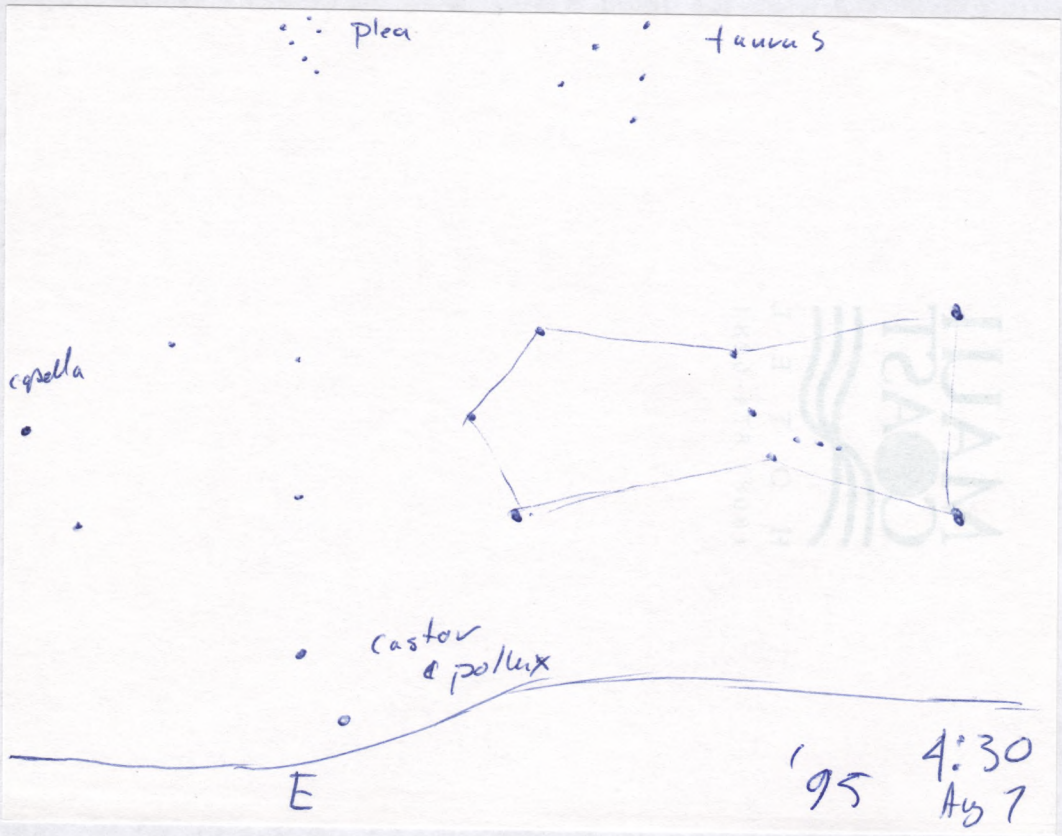
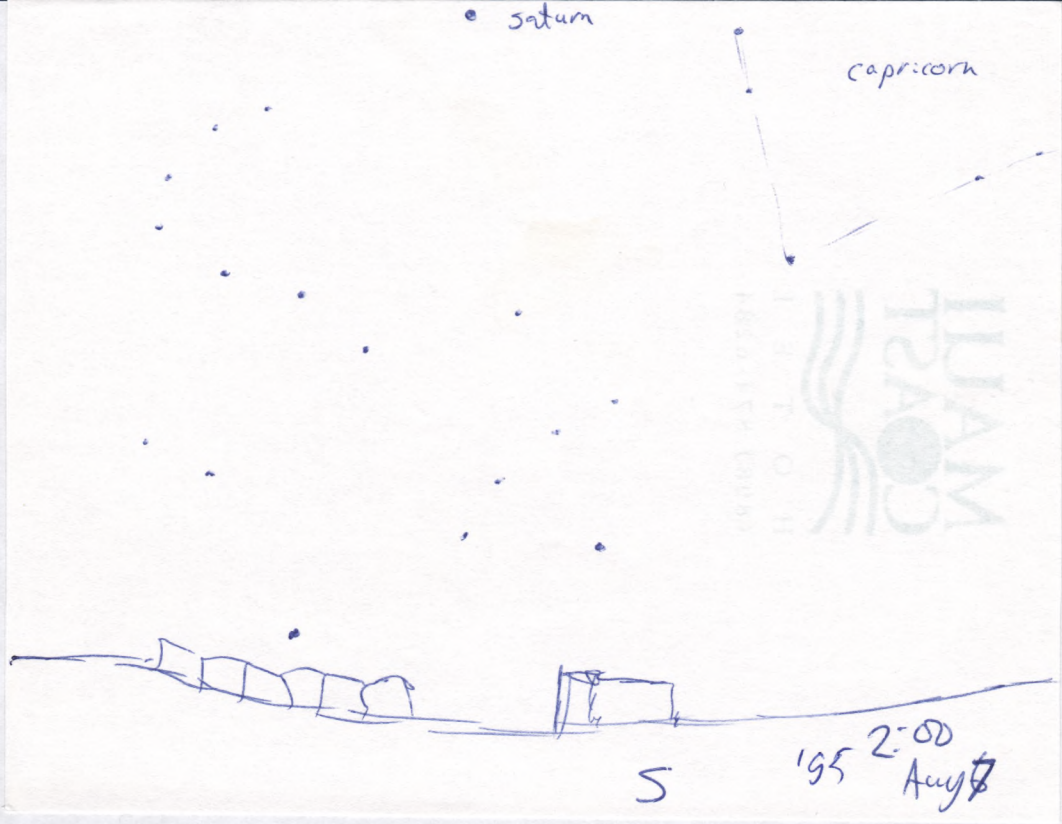
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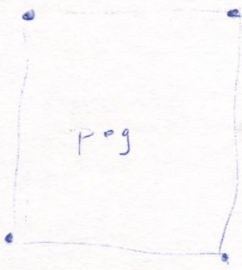
(808) 874-6284

**MAUI
COAST**



Zenith

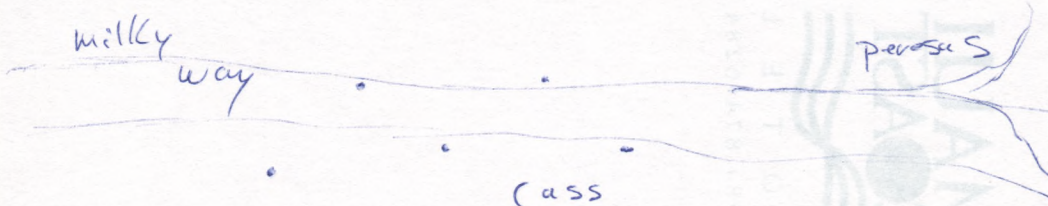
Andromeda galaxy



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