

- 1-24 SCOTT JAMIESON - CHECKED GROUND'S
CAUTION! Z-SCOPE RA ENCODER
SYSTEM NOT WORKING. DON'T USE
COMPUTER CONTROL UNTIL REPAIRED.
- 1-30 *Wesley* GUTEF Ori SCOTT J.
Sniff 20:10 - 0:45 CCD RUN ON
GUT AND EF ORI
- 31 JAN *Sniff* 11:45 - 12:15
Wesley 11:00 - 12:15 Disc.
- FEB 5^(?) (~~MONDAY~~ SAT) SCOTT JAMIESON
11:00 AM - 12:00 VIEWED 2 SMALL
SUNSPOT GROUPINGS AT $\approx -20^\circ$ SOLAR
LATITUDE @ $\pm 45^\circ$ POSITION
- FEB 9 8:00 PM - 9:00 PM BRYAN GARNES
UPDATED CONTROL ON Z-SCOPE TO
CORRECT STEPPER MOTOR FREEZE AFTER ~ 20 SEC
OF MOTION ON BOTH AXES.
- 2-10 Scott Lackowski 11:10 - 12:00, Library work
- FEB 13 *Sniff* 11:45 - 14:30
Paul Brachato 12:15 - 2:30
CARIS WEBER 12:50 - 14:15
VERN
- Sniff* 17:30 - 2:30 OBSERVED MINIMA OF
Carlos Ganes 0:00 - 1:00 am 12 EB STARS
MAXIMUM OF SZ HVA. CCD RUN
ON TY TAN - 5 HOURS
- FEB 14 *Sniff* 18:00 - 23:15 OBSERVED MINIMA
OF 8 EB STARS. CCD RUN ON
TY TAN
- FEB 18 *Sniff* PICK UP SLIDE PROJECTOR
FOR MEETING
- 28 20 *Sniff* 0:00 - 1:30 OBSERVE OCCULTATION OF
40 HARMONIA. ASERIOD WAS ABOUT A
MAGN BRIGHTER THAN THE STAR
PROBABLY NOT POSSIBLE TO SEE THIS
ONE VISUALLY.

1999

2-20

Scott Laskowski 18:45-20:15
member night, Library work

VERA

Jill Roberts - return books

CHRIS WEBER

FURNACE BRACKET POPPED WILL NOT RESET.

ALSO NO FLITES IN THIS ROOM. MAY BE
SWITCH ON WALL IN OFFICE

2-21

Paul Bachartz 6:00-10:30 C.C.D. PIX

2/23

CHRIS WEBER 6:00 PICTURES JUPITER/VEGUS 7:00
MERCURY/SATURN

FEB 23

Spf 17:00-19:00 OBSERVE AND
PHOTO JUPITER-VEGUS
CONJUNCTION. ALSO OBSERVED
MERCURY AND SATURN

MARCH 6

SCOTT JABIESON 19:00-21:30
CCD IMAGING ORION NEBULA
INVESTIGATE RA DRIVE NOISE
WILL HAVE TO DISASSEMBLE TO
FIND CAUSE.

Paul F. Finkholm 19:30-21:30

MARCH 7

SCOTT JABIESON

DO NOT USE A-SCOPE!,
RA DRIVE IS BAD

TELESCOPE IS FREE TO ROTATE!
DO NOT MOVE OR COULD BE
DAMAGED. PROBLEM IS SEIZURE
OF WORM WHEEL BEARINGS ON
MAIN WORM WHEEL. THIS CAUSED
A CRACK WHICH WAS JUMPING
UNTIL FINALLY BROKEN.

Spf

16:30-22:30

DIS ASSEMBLE A SCOPE DRIVE WORM

OBSERVED MINIMA OF 6 FB STARS

MARCH 10

Paul Bachartz

4:30-4:45

TOOK BROKEN PARTS FROM "A"

SCOPE TO FIX

MARCH 12

Paul Bachartz

3:45-4:00

RETURNED "A" DRIVE PARTS

MARCH 13 CHRIS WEBER 19:00-21:00 General Observing
T-Ross 6:30-11:00 p.m.
SCOTT JAMIESON 5:00 to 11 PM
REASSEMBLED RA DRIVE ON
A-SCOPE - WORKS BUT PROBABLY
NEEDS SOME ADJUSTMENTS.
IMAGE MS1 LOOKS GOOD.

3-14 RE-ADJUSTED RA DRIVE GEARTRAIN
ON A-SCOPE - OK TO USE!
SCOTT JAMIESON 19:00 21:00
THANKS PAUL BORCHERT (sic)
FOR THE GREAT WORK ON THE
GEAR SHAFT!!!

3/15 CHRIS WEBER
Paul Borchert 7:30-10:30 CCD PIX

3-17 Scott Laskowski 9:50-10:45, Library work

3-18 Paul Borchert
SJR 19:00-23:30 OBSERVED MINIMA of
8 EB STARS.

MAR 19 SJR 23:00-4:00 CCD IMAGES of
Quasar 3C273
WAS ABLE TO DETECT JET
EMERGENCE of 3 GALAXIES
OBSERVED MINIMA of 2 EB STARS.

MARCH 20 SCOTT JAMIESON - RETURNED PRISMA
FROM URM CLUB MEETING

MAR 20 Rudy Poxlar - Pull open house data sign
from 4x8 sign
Got Dimension for new Itscope cart.
1:45 PM to 2:45 PM

MARCH 22 Paul Borchert SCOUT TOUR 6:30-8:15
SJR 19:00-19:30 REPAIR DESK LIGHT

3-23 Scott Laskowski 18:20-22:05 3D. LUNAR OC
CHRIS WEBER 18:20-22:00 OCCULTATIONS

Quarset back door left unlocked

1999

3-25 5:00 PM Bryan Garness
found loose wire on I/O.7 of PLC
on 2-scope, scope now tracks &
works with computer program.

Astronomy class from Mt Mary College
here @ 6:30 - 8:00 PM

6:00 PM Tim Hoff

6:30 Dave Linton Astronomy class from
St. Mary's toured the Z-Dome till 8:00 PM
Bryan & I noticed the problems with the
encoder → optocoupler relays → PLC. We kept
swapping things and found by reversing
the A + $\bar{A}$ optocoupler relays seems to cure
the problem for now. We're not sure yet why
& will monitor the operation & update as
possible.

3-26 Tim Hoff - dat's my dad - Ann Arbor

8:30 PM Brought two new optocoupler relays for test.
Located on computer table in Z-Dome Bryan
Scott, & I may work on it this weekend if
we can get together (TTH)

3-26 Mike Macali 19:27 - 22:16

observed M42, M43, M45, Venus, Xue V off Library books.

Sak 19:00 - 24:30 CCD RUN ON 44 CMA
AND TZ BOO

JAN KOEHLER - 11:30 p.m. - 1:15 a.m.

SCOTT JAMISON 19:00 - 03:00

2-SCOPE TEST + IMAGING WITH

F/9 FOCAL REDUCER ON B51

CHANGED BUFFERS AND PROBLEM

HAS DISAPPEARED, THANKS TIM

AND BRYAN AGAIN!!

HOPPED THROUGH 27 OBJECTS

ACROSS MOST OF SKY FOR TEST AND

DID NOT DROP OUT RA OR DEC COUNTS,
SCOTT J.

3/27

Ken Waraczynski 17:00 - 21:20 Key holder

Sally Waraczynski 17:00 - 21:20

Phil Roberts 19:30 -

Carlos Garces 20:30 - 22:00

TROS

3-27 SCOTT JAMIESON - 2 DRIVE TEST SHOW
DEGRADATION IN BOTH AXIAL TREAD
DROPS - PROBLEM WAS GONE LAST
NIGHT AND BACK TONIGHT. MUST PROBE
DEEPER INTO CAUSE.

3-29 *Sp* 20:00-24:00 CONDUCT DEMO OF
CCD CAMERA
J. Keith 5:45- UMW Class

Sp 19:00-23:00 CCD RUN ON SXGEM
LEFT CAMERA ON SCOPE
WILL TAKE FLATS TOMORROW

MAR 30 *Sp* 19:00-20:00 CCD FLAT FIELDS
DOWNLOAD SXGEM FILES

4-5 Scott Laskowski 9:45-10:20
Library work, took Lunar occultation
ephemeris to a copy, the parking lot
chain was left unlocked
6:00-7:00 *J. Keith* UMW Class

APR
MAR 6 *Sp* 20:00-23:00 CCD RUN ON TZBOO
OBSERVE MINIMA OF 2 EB STARS VISUAL.

4-7 Scott Laskowski 19:00-22:25 ^{7ms} Venus, 1st Wed.
returned Lunar occultation ephemeris
CHRIS WEBER 19:10-22:30 M35-36-37-38 VENUS.
TIM BURRUS
VERN - 22:00 - 1:20 HERSHEL, MARS

4-11 SCOTT JAMIESON - DID ELEC TESTS ON
2-SCOPE AND FOUND THAT ENCODERS
ARE BARELY ABLE TO PUT OUT HIGH
ENOUGH CURRENT TO DRIVE ISOLATORS.
3.7V SUPPLIED 3.5 VOLT OPERATING
THRESHOLD. ALSO TEMP DEPENDANT. WILL
TRY TO LOCATE MORE SENSITIVE ISOLATORS.
13:30 - 14:30

4-13 *Vern* 22:00-22:20 DROPPED OFF BUILDING PLANS

4-14 Paul Bright 5:00-5:45

9-16 SCOTT JAMIESON 19:30 - 0:45 AM BUILT &
TESTED NEW INTERFACE FOR 2 SCOPE ENCODERS.
WORKS WELL! OBSERVED 24 OBJECTS ALL
OVER SKY + DID NOT LOSE POSITION!

Messier Hunt & Meeting - cloudy
 4-17 Scott Laskowski 16:50-21:05

Jill Roberts 17:00-21:15

CHUS WEBER 17:00-21:20

Jerry Shroud 17:10

Lee Keith

SCOTT JAMIESON 17-20:00

Tim Burrus 17:39-21:12

Jane Payne

Vern

Jeff Mainelle 17:16

Janet Kelly

4-23 VERN 19:15-23:30

open House 50 per

Tim 19:15-23:07

4258 Danyuko 19:50-23:20

4288 Lee Keith

CHUS WEBER 20:10-22:40

4-23 Jill Roberts 19:00-23:30

4-24 Lee Keith 10:00- Mars Oppositor.

Brian Marini 10:00-midnight - Keyholder

4-29 Scott Laskowski 10:20-14:20

Library work, general work, finished cutting grass

CHUS WEBER 10:40. YARD WORK. CUT GRASS 1:15

4-30 Jerry Shroud 19:00

Jill Roberts 19:00-23:00

SCOTT JAMIESON

Scott Laskowski 19:00-22:40

Open House

Vern 19:30-23:00

M. McElroy 7:30-10:15

Lee Keith

Tim Burrus 19:45-22:24

CHUS WEBER 20:15-22:00

5-1 BRIAN GARNES 6:45-

KEYHOLDER SP

CHUS WEBER 12:00-3:00 - BORN PILE CUT BRANCHES
 CLEAN UP YARD

CHUS WEBER 19:15

SAT.

Vern 20:00

SCOTT JAMIESON 19:00-0:12

Carlos Gaces 20:15-23:30

Tim Burrus 20:37-

5-1-99 Amanda Hoff and Jimmy Hoff 9:57

5/1/99 now we gotta leave byebye!

5/1/99 Removal Monitor in Agroom - Building

5/3/99 Mon Afternoon - Returned + rehooked monitor - Monitor OK
 When I picked up monitor in AM, I found PC in AC scope - After punching Main Power - It probably had several disorderly shutdowns (since it wasn't turned off at computer)
 Rudy Pokla

5/4 11:00 AM pick up Monitor (for work on new cart)

5/5 1st wea
 Tim Burrus 7:00-8:26

CHRS WBA 7:30 - 8:30

5/5 Returned Monitor - Checks ok
 Rudy

5/7 10:45 AM Removed monitor from cart (A scope for "final fit" to new cart. If weather is solid overcast tonight will return on Sat.
 Rudy Pokla

5/7 4:30 PM Returned Monitor to A scope - Monitor played ok then went blank - check connectors on PC - The connector config on back of PC is pretty flaky
 Rudy Pokla

5-7 6:15 P.M. SCOTT JAMIESON 21:36
 Scott Laskowski 18:45-21:00 Open House
 Jeff Roberts 19:15-21:00 3 guests
 VERN 19:30 - 21:00
 Tim 8:18 pm-9:00
 CHRS WBA 8:20-9:00
 Rudy Pokla 8:20-9:00

5-9 VERN 13:30 REMNED BOX'S

5-12 Scott Laskowski 12:55-14:20, prepared for Muskego High Physics tour on 13th, please save all drawings on chalkboard

5-13 Scott Laskowski 12:00-14:40
 Muskego High School Physics Tour

5-14 Open House
 Tim Burrus 18:14-

1979

5-14

OPEN HOUSE

VEN - 19:10 - 23:00

Jill Roberts 19:30 - 22:45 (60)

Jerry Glocka 19:30

MIKE MARINELLE 19:00

CHAS WEBER 20:15 - 22:30

Carlos Garces 20:30 - 22:45

5-20

Stop in for some measurements in A
 scope - found main power punched on
 - note: 1 red bulb in entry hall is
 burned out Rudy Robson

5-21

Board & General Mtg. - Election

Scott Laskowski 18:40 - 22:50

CHAS WEBER 18:45 - 22:00

SCOTT JAMIESON - 19:00 - 22:00

Ed
 EON

Carl Kaden

A. Warner M.A. Tangney 18:45

Jill Roberts 19:30 - 21:45

Chris Needfeldt

Kaeplar

Julia

Tim Burrus 19:45

DASYANKO 19:15 - 22:20

Joan + Tom Pelnar

Deborah Jane Frey

Paul Richard

JIM & DOROTHY KUBE 20:00 - 22:06

5-22 12:00 - 13:45 YARD WORK

5-25

CHAS WEBER - CUT GRASS NOTE: FLAT TIRE

5-26

Scott Laskowski 14:45 - 16:30, mower work

CHAS WEBER 15:00 - 18:00

FINISH CUTTING FIX TIRE

Jill Roberts 19:00 - 23:00

CHAS WEBER 18:30 - 20:00 TRIM

YARD WORK

Mandy Gutkowski 20:20

To meet with Lee

Tim Burrus 20:23

SCOTT JAMIESON 21:00 - 23:00

5-27 Delivered New CCD Cart - Hope it Fits!
 4:30 PM Rudy Polder

5-27 INSTALLED COMPUTER + CAMERA
 ELECTRONICS IN CART - WORKS
 GREAT! GOOD JOB RUOY
 SCOTT JAMIESON 19:00 22:00 + THANKS, SCOTT J.

5-28 Scott Laskowski 8:45-10:05, Library &
 Fire Inspection - 1 violation - electrical plate
 in Z office corner needs to be covered

MAY 29 *Sup* 20:00 - 1:20 CCD RUN IN UK 42A

NICE WORK ON COMPUTER CART

Scott Laskowski 20:50-21:35

Member night, Library

JACK WAIRE 21:50-22:00, LIBRARY

June 1

Nesse Time 9:25-9:30 Return book &

6/2 CHRIS WEBER 14:00-17:15
 CUT GRASS YARD WORK.

6-5 Lee Feal (Keyholder) 8:30-9:30 Cloudy - going to rain.
 Cart is nice but monitor is going to fall out unless
 it is braced from the rear!

6-6 Original Cart design did have sides high & wide
 enough to protect Monitor rear. However to
 provide for ^{more} scope swing clearance, the sides
 were lowered & front edges sloped for scope
 clearance. I ^{now} added metal Straps over Monitor
 Box Hubs, V-Block assemblies which should
 keep the monitor in place. The design is
 not "nuclear hardened" so please treat gently
 with the respect it deserves by not banging
 into the wall

Rudy Polder

6-7 P.S. I'm not interested in a redesign
 Timothy Burrus 20:28 Brought 2 used office
 chairs One for Zembec Scope and one for A scope.
 Used 2 scope Venus, mars, m57 22112

6-9 Scott Laskowski 11:05-11:50, Library

6-13 SCOTT JAMIESON 19:00-21:00
TESTED CHRIS H.'S STS-C
ON LANDSCAPE WORK GOOD.
THE STARS ARE NEXT!
Hessle Sam
6-15 16:15-16:40 Look at Glaser Lens

CHRIS WEBER 16:30 CUT GRASS - 20:45
TIRE IS FLAT AGAIN ON MOWER (RF)
RECEIVED COMPLAINT FROM ~~W~~ BARBARA
FROM ACROSS THE ROAD ABOUT WATER FROM
OUR DRIVE. NO DRAIN BY DITCH.

VERN

Margaret Tanner
Margaret Warner
Jan Fuchler

SCOTT JAMIESON

6-17 CHAS WEBER 14:00 YARD WORK - 17:30
TIRE FLAT AGAIN RETIRE CUT GRASS
LOICE YARD DID NOT FINISH BACK BEHIND 2.
Paul Bachant 8:00 SCOUT TOUR
SCOTT JAMIESON 8:00 PM 1253 DAY

13 JUN 20:00-23:40

18 Jan Training on CCD Imager - Rudy Poklar
19 Jan upon Adams 7:30 PM - Rudy

SCOTT JAMIESON - IMAGED PLUTO
SAVED IN 990619. ALSO PROCESS
PREVIOUS IMAGE FROM 17th AND
SAVED IN 990617b, WILL NOT
FOCAL POINT.

20 JUNE Downloaded copies of 6/17 & 6/18 Pluto images for
possible Focal Point use - Rudy Poklar

20:30-23:50 CCD RUN ON UXUMA
VISUAL ON CCOM + SZ BOO

21 JUNE 16:15-16:45 BRYAN GARNES - CHECK
STATUS OF Z-SCOPE
19:00 COPY UXUMA FILES

- 6/21 19:15 CHRIS WEBER CUT GRASS RAKE YARD 21:00
 6/22 21:45-21:50 stopped by DK
- 6-23 Scott Laskowski 10:45-11:30 , Library
- 6-25 Mike Marek 10:26-11:30 view Moon & planets
 Use Library
- SCOTT JAMIESON 9:00-12:30
 CCD IMAGING EXPERIMENTS WITH
 FOCAL REDUCER ON 2-SCOPE.
- 6-27 Newell 21:00-1:30 STS
 Newell 12:27-12:20
- 7/1 CHRIS WEBER 15:00 20:00 CUT GRASS
 YARD WORK.
- 7/3 Tim Burrus Key-holder (SARAH) 18:00-23:00 clear
 Venus, Mars -
 SUN SPOTS.
 Bweep out 2 Scope building upstairs
 SCOTT JAMIESON 1st SATURDAY
 SAW 42 SUNSPOTS IN 6 GROUPS
 WITH FILTER ON A SCOPE -
- 7-6 Newell 22:00-00:45 HERSEL
- 7-7 Scott Laskowski 16:20-18:20, Library and
 yard work, fire extinguisher inspection by
 Martha Fingleton
- 7-7 Hershel 7:30-11:00 STS
- 7/8 CHRIS WEBER 14:00 16:00 CUT GRASS
 YARD WORK. THANKS SCOTT.
- 7/10 Tross keyholder 8:00-11:50
 Newell 21:00-5:00
 Carlos Garces 21:00-02:00
 Steve Diesso 22:20-02:00 FOUND 25 n-
 OBJECTS. WITH WIFE
- Sfr 21:30-5:00 OBSERVED MINIMA
 OF 6 EB STARS, CCD RUN ON
 VW CAP
- 7/14 Reviewed various CCD Files for potential use in
 Sept FP. Will get permission from individuals
 if selected Rudy Polan

7-13 SCOTT JAMIESON - IMAGE M16 WITH
ST-6 + A SCOPE, NOT BACK BUT
CLOUDS MOVED IN BEFORE GOOD FOCUS
WAS POSSIBLE. 21:00 23:50

7-14 Scott Laskowski 9:55-10:10 Library
17:20-17:50 replaced 2 serviced fire
extinguishers with Martha Fingleton

7-14 SCOTT JAMIESON - IMAGE M16
AGAIN WITH BETTER FOCUS, WILL
PROCEED WITH MAXIMOL. SOFTWARE.
21:00 - 23:30

7/16 CHRIS WEBER CUT GRASS YARD WORK, 11:30-15:00
Hunk 1:00 PM - 1:45 Swept out A Room
CHRIS WEBER DROP OFF BEER + SODA, CHARCOAL
FOR PICNIC 20:00-20:30

17 JUL *SJA* 15:00 - 1:00 Keyholder

SCOTT JAMIESON

July 27
Scott Laskowski 15:10-21:05, Picnic &
Board M.

CHRIS WEBER 15:30

Paul Bonhardt

Helen Yanko 3 PM Happy Picnic!! 22

VERN

W. *Neil Simmons* in 4:10.

Tiffany T. Marmel 4:00 pm

Jim Mayer 16:50

Lee, Karen, Celeste & Trevor Keil (3 weeks old!)

Tim Burrus 17:30

Margaret & Catherine Warner 16:50

Virgil Langney 16:50

John Langley

Jill Roberts 14:30 -

THANKS FOR ALL THE HELP WITH THE
PICNIC CHRIS VERN JILL HELEN SCOTT

7-15 Results 21:00 - 0:30 Danyanko
North 12:00 - 12:30 Computer Cover Took
Criterion 6" -

7-20 SCOTT JAMIESON 18:30

Paul Bachaert

FERK

CHAS W. COON

W. MANNING

Sfr

7-20

R. R. R. R.

18:30

JUL 23

Sfr

23:45-0:15

ATTEMPT VW CAP

RUN W/CCD - CLOUDS

SCOTT JAMIESON

0300-0500

STEVE DIESSO

JUL 24

Sfr

20:30-5:15

OBSERVED MINNA

OF 4 EB STARS CCD RIMIN

RZ CAP - JUPITER - SATURN

Neault

20:30-5:00 CCD Rvn

7/25

Neault 13:00-13:30

Low profile 2" laser will

return on 7-27

7/26

Neault

Cover Computer in A down

5:30-8:06 PM

7/27

Neault

light for building

8:00 PM - 8:30

SCOTT JAMIESON - INTRO CCD LESSON

FOR MIKE MARINELLE (SIC). BUILT PROTO

ADAPTER FOR 2 SCOPE FOCUSER TO

ALLOW USE WITH FOCAL REDUCER

~~WILL TEST THIS~~ WILL TEST THIS

WEEKEND, CALL IF 2-SCOPE NEEDED

FOR USUAL WORK. 896 0119

7-29

Paul Bachaert - 9:00-9:15

SCOTT JAMIESON 9:30 PM - 12:30 AM

ADJUSTED 2 SCOPE FOR .3 FOCAL REDUCER

WITH CODRBOOK CAMERA - ESTIMATE F/6

BUT WILL MEASURE FIELD TO CONFIRM

GOT ALL OF M51 IN ONE FRAME.

ILLUMINATION UNEVEN BUT MAYBE

DUE TO CONSTANT FOGGING OF

IMAGER!

7-30

Replaced A scope Computer Cart cover
with new one - let me know if there
are problems - Tushy Foreman

DANGER!!

7-31 18:45 - 20:10 Observatory Tour
 Found Big hornets Nest in A Dome by
 Top of Shutter Will come back to Remove
 later this week. Tim Barnes

SCOTT JAMIESON - 21:00 24:00
 2-SCOPE FOCAL REDUCER TESTS

7-31 Used CCD camera on A scope for faint work
 Imaged M 27 Rudy Polgar

8-1 Neil Simmons in 21:30 out 0:45
 Carlos Garces in 21:40 out 1:45 AM

C. Neukirch Focul Reducer on ST.5 8:30 -
 Note - During the process of opening 2-dome
 for use I noticed that the drive and
 paddle lost power. Checked circuit break
 but to no avail. I seem to be
 missing something here? Help!

- Neil Simmons
 w/cases, CCD'd Ring, Andromeda and moon

8-2 Scott Laskowski 8:50-9:15, took P-sco;
 #2, 5, 6, 8 to Yerkes for CARA Space
 Explorers

Remember to close A scope hatch

8-3 Neukirch 21:30 - 22:00 Low profile focer

AUG 7 99 DAV YANKO Keyholder night
 CLOUDY AND OVERCAST
 SCOTT JAMIESON - WORKED ON 2 SCOPE
 AND COMPUTER

8-8-99 Paul Bach 7:00 PM WORKED ON
 10" CASS. SCOPE.
 SCOTT JAMIESON - FIRST LIGHT
 ON CEOLLA 10" CASS. M 57
 7:00 - 9:40

8/10 CHAS WEBER 18:00
 Scott Laskowski 18:30-20:55 Board Mtg.
 SCOTT JAMIESON
 Jerry Strand 18:40
 Phil & my
 Trip to en 1:00 - 1:15

8/10 Dan Kuehler

Nesville

9:45 - 10:40

stopped in

8-13 Scott Laskowski 12:15-12:35, returned
P-Scope #2, 5, 6, 8 from Yerkes

Mick Marmelle 19:30

VERN - 19:30 - 1:00

SCOTT JAMIESON

John Bondy

John's stuff & Astronomy

Bri D. Tenny

OPEN Hank
(SO)S.J. INSTALLED FANS IN 2 SCOPE
TO SPEED UP STABILIZATION.

8-14

Tim Burrus 21:03 - 1:49 ml7, ml6 CCDs (THANKS Paul)

Matt Jorgensen 22:35 (Saw Ring Nebula Sadistic)

Cody Jorgensen 22:35 (Thanks Scott)

Paul Bachardt 8:00^{PM} - 5:00 AM - KEYHOLDER

GREAT NIGHT! STEADY & DRY AIR

HE GOT BEAUTIFUL IMAGES TOO!!

8-16

SCOTT JAMIESON - REPAIRED

FRONT AXLE OF MOWER.

OK. TO USE!

CAUTIONBEE'S NEST IN A! GOT STUNG
WILL LET SPRAY

VERN

22:00 - 3:00 CCD IMAGES -

TOOK BEE'S NEST DOWN WITH A STICK,
THEN RAN LIKE HELL. THEY WENT OUT THE
OPEN DOME.

8-17

SCOTT JAMIESON - BROUGHT OUT

COMPUTER FOR CHRIS H. FOR

IMAGING IN "B". TOOK 1 PORTASCOPE

TO EAST TROY TO CHILDRENS

CAMP FOR BURN VICTIMS.

CAUTION - BEES ARE
BACK ON SLIT COVER ADOME.

RETURN PORTASCOPE -

1999

8-19 Scott Laskowski 10:10-10:55, Library wo.

Spr 20:00 - 23:45 CCD RUN on VW CA
SCOTT JAMIESON - 7:00 - 11:30

MOWED SOME GRASS BUT HAD
FLAT ON LARGE TIRE AND
BROKE GUIDE WHEEL SHIRT ON
MOWER

20 AUG Nesbitt 20:30 - 23:30 B Scope -
Spr 19:30 - 3:30 MINIM of 8 EB'S
MAX of XZCYG CCD MAX of RZ
SCOTT JAMIESON 9:00 - 1AM
VERN 22:00 - 4:00 COMET LIE
Nesbitt 20:30 - 4:15

22 AUG Spr 11:30 - 14:45 DOWNLOAD CCD
FILES - YARD WORK
Nesbitt 12:45 - 14:30 Pick up boxes
SCOTT JAMIESON - REPAIRED
DECK AXLE ON MOWER &
MOWED GROUNDS.

23 AUG SCOTT JAMIESON - COPIED
IMAGES FOR RUDY!

24 Aug Nesbitt footer for B Scope installed
20:45 - 21:00

27 Aug SCOTT JAMIESON 11:00 12:20
MOWED GRASS.
Nesbitt 1:00 PM - 2:15 Sweet out B & C

27 Aug Open House
Hiram Strong 19:45 hrs
Vera Strong 19:45 hrs
Carb. Garces 20:25 - 23:00
CHRIS WEBER - 20:15
Tom & Joan Pelnar 20:00
VERN 19:30 - 23:00
SCOTT JAMIESON

28 AUG Spr 12:00 - 16:00 YARD W.

26 AUG

BRYAN GARNES KEYHOLDER NIGHT

7:30 - 10:00

PARTLY CLOUDY & OVERCAST

- ONE CLUB MEMBER SHOWED UP

~~ALL CLUB MEMBERS SHOWED UP~~

- ADDED ADJUSTMENT TO Z-SCOPE TO CHANGE HIGH SPEED SLEW RATE - MUST CYCLE THROUGH SPEEDS (ALL 4) TO SEE CHANGE AFFECT SPEED

8-31 Scott Laskowski 10:05-10:25, Library work

9-2 SCOTT JAMIESON - IN ALENE WITH A SCOPE AND GUIDE TASTS ON Z SCOPE 21:00 - 4:30 AM.

9-5 VERN 1:00 - 5:00 COMET LEE / MOON

9-6 SCOTT JAMIESON - CCD 22:00 - 3:00 STEPHEN QUINTET WITH CARLOS & STEVE.

9-8-99 Wanda Berner 7 P.M. Played a CCD - pretuned Tom's Key #02 (See peg board)

Paul Bachant 7:15 - 12:00

9-11-99 BRYAN GARNES 5:00 Z-SCOPE CONTROLS WORK.

Vern - 18:20 - 1:30 KEYHOLDER

Carlos Garces 19:15 - 20:25 and 23:45 to 1:05

Mike Macali 20:55 - 23:03 Returned Library book.

DAN REMOL

Spk 19:30 - 1:00 OBSERVED MINIMA of 7 EB STARS AND MAX of XZ CYG

SCOTT JAMIESON 8:00 - 1:30

9-15-99 Paul Bachant - 7:00 - 11:30

VERN 20:00 - 0:30 R.A. ON A-SCOPE IS NOT RUNNING

9-16-99 Wanda Berner 7:30 -

Spk 19:30 - 23:00 CCD WORK ON RZ CAP AND VW CAP. GOT IMAGE OF URANUS W/ 2 MOONS. HAD INTERMITTANT PROBLEMS W/ RA DRIVE AND CIRCLE

9-17-99 SCOTT JAMIESON - DISASSEMBLED A SCOPE DRIVE GEAR BOX AND WORM DRIVE - GEAR BOX HAS ONE WORN SPOT ON FINAL GEAR BUT NOT BAD. FINAL WORM WHEEL ON RA WAS FROZEN! WILL TAKE AND

UP

SCOTT

9-17-99

VAND
 Scott Laskowski 18:30-22:15, Board & Gen. Mtg.
 Vinyl Tarping 19:00 20:30
 CHRIS WOOD 18:45
 Henry Gerner 19:30
 Napoln Besner 7:50
 Tim Schmitt
 H. Booth 8:00
 Dan Yanko 19:00-22:00
 SP
 Tim Burrus
 JULIA
 SCOTT JAMIESON
 Carl John

20 SEP

SP 11:00 - 21:00

YARD WORK - WORK ON GRAZE TRAIL

Phil Simon - work on graze line 2:00
 Bob Marske work on graze line 2:30 PM
 SCOTT JAMIESON - WORK ON A SCOPE
 DRIVE + GRAZE LINE -
 VERN 22:00 - 1:00 Comet LEE, SATURN,
 JUPITER, HERSEL

21 SEP

SCOTT JAMIESON - INTERVIEW
 FOR NEW BERLIN PAPER

22 SEP

SP 2:30-2:45 DOWNLOADED
 FILES - DROP OFF DESICCANT

9-23

SCOTT JAMIESON - REASSEMBLED +
 ADJUSTED A SCOPE DRIVE - APPEARS TO
 WORK FINE BUT HAVE NOT TRIED ON
 SKY. O.K. TO WE BUT KEEP EYE ON
 AND SHUT DOWN IF NOT TRACKING,
 SCOTT 8960119

9-24

VAND 18:30 -
 Scott Laskowski 18:50-23:00 open House
 Tim Burrus 19:00 W. Maunelle
 Dan Yanko 20:30
 Julia gave membership cards to Rudy
 Deborah Frey
 Lee Feist
 CHRIS
 Scott Jamieson 18:30 1:00

9/25 CHAS WEBER - 9:45 - CLEAN UP.

VEN

SCOTT JAMIESON - BELT REMOVED
DISASSEMBLED, PAINTED AND RE-ASSEMBLED
B-SCOPE, PAINTED WALLS, TRIMMED
LOWER PORTION OF TREE-LINE.

9/25 - THANKS TO ALL THAT PARTICIPATED. !!!
7:30 Turn In @ MAS Key building duty

9-27 6:30- L. Kirk UMW Class
SCOTT JAMIESON -

SEP 29 SJK 19:15-23:30 MINIMA OF 4 EB STARS
CCD RUN ON Y2 CAP.

SCOTT JAMIESON - TRACKING TESTS ON
A DRIVE. 21:00 - 01:30

SEP 30 SJK 19:00-23:15 REPLACE DESICANT IN ST6
WAS ABLE TO RUN AT -40°C .
VISUAL MINIMA OF 7 EB STARS. CCD RUN
ON R2 CAP.

10-1 VEN 19:00 OPEN HOUSE

Scott Laskowski 19:05-21:35

Jeff Marinelle 19:15 " "

Mike Marinelle 19:15 " "

Joan + Tom Pelmar 19:30 " "

Deborah Frey
SJK

CT2 SJK 12:30-15:30 YARD WORK
Carlos Garcia 20:40 - 00:20

SJK 19:30-01:30 MINIMA OF 6 EB STARS
MAXIMUM OF X2 CCG CLOUDS AT
MIDNIGHT

OCT 4 6:30-9:15 L. Kirk UMW Class

10-5 Scott Laskowski 11:40-12:55 Library
Tom Pelmar 11:40-12:55 paint

10-7-99 DAN YANKO picked up A "10" portascopes
18:45 and eyepieces for the MAS campout.
DAN left maps to Kettle MORAINE
AND GREENBUSH GROUP campsite. SUN
"HEMICAL" T D " Pen.

- 10-7 Paul Bachado PICKED-UP 18" DOB. FOR CAMP-OUT
- 10-10 Kenneth 11:30AM - 12:30PM Svrage processor for Comput. on 2 Scope. Also - V Try AE Cyg. Followers.
- 10-11 6:30-9:20 ~~Lee~~ UNW class
7:00 Kaehler - returned slides + proj.
8:30 - 10:00 - RAN TRACKING TESTS ON
A-SCOPE - DEC DRIFT IS STABLE AND DUE TO AZIMUTH ERROR. RA IS PERIODIC WITH AN OVERALL DRIFT.
- 10-12 SCOTT JAMIESON
COPIES PICTURE FILES FOR PRESENTATION
- 10-13 SCOTT JAMIESON - PICKED UP SLIDE PROJECTOR 12:00
- 10-14 SCOTT JAMIESON
MAILED NGC 1296
- 10/15/99 Board General Meeting
U.S. Taniguchi
Margaret Wayne
Scott Laskowski 19:00-21:55
JEN
Chris Wilson 19:20
Lee Kott
Julia Fe
Derek Stoud 19:20
Tom Schmittman
J. Jamieson
Kenneth 10:51 PM OK
- 10/16/99 A SCOPE NOT WORKING!
DO NOT USE!
DOME DRIVE FAILED AND IS APART!
- SCOTT JAMIESON
SJM

1999
17 OCT

SJR 10:00 - 14:00 YARD WORK

17 Oct

S. Jamieson
Hesselt 14:00 - 14:35 Look at Monitor
Also found Purse on back of
Chair.

18 Oct

6:30 - 9:15 Lee Kuhl UWW Class

20 Oct

SCOTT JAMIESON

WORK ON A-DOME - WILL BE OUT OF
SERVICE $\approx$ 2 WEEKS

30 OCT

SJR 16:45 - 22:45

SET UP NEW CPU IN B DOME
MAINTENANCE WORK - CCD RUN ON

Hesselt 5:20 PM - 11:00 PM

SAD 124242

SCOTT JAMIESON

4 Oct

Hesselt 12:30 - 12:40 Monitor pick up

4 OCT

SJR 18:45 - 22:45

CCD RUN OF V704 CYG AND BOV4L

25 OCT

Paul Boychack RETURNED '18 DOB. & LASER 7:00 PM

26 Oct

C Hesselt Returned Fixed Monitor 9:30 - 9:40 PM

30 OCT

S. JAMIESON - RETURNED 4" REFRACTOR
(EDMUND) - WILL MOUNT TO EQ. MOUNT.

1 NOV

Hesselt 9:30 PM - 9:45 PM Pick up AIR Monitor
for test.

3 NOV

SJR 17:30 - 22:30 VISUAL MINIMA OF
6 EB STARS CCD RUN ON V380 CLS
JUPITER - SATURN S 4-7

ONE PORTASCOPE IS MISSING

NOV 6

SCOTT JAMIESON 10:00 - 11:00 AM
RECHARGE WATER PUMP. I HAVE
ORDERED NEW GEARBOX FOR
A DOME. WILL BE IN $\approx$ 2 WEEKS.

Nov 5

Hesselt 6:30 - 4:45 AM TY TAU

1999
Nov 5

Saf 18:15 - 6:00

Timing of IR

VISUAL MINIMA of 12 EB STARS, MAXIMUM
of XZ CYG, PARTIAL OF TY CET -
LOOKED EARLY. CCD RUNS ON AD AND
GU ORI AND UX UTA. GOT IMAGES
OF SN IN NGC 1637

NOV 6

TROSS 7:00 - 10:30 Keyholders

Tim Burrus 20:19 - 23:24

Saf 19:30 - 23:15 CCD TRAINING

IMAGES OF JUPITER SATURN
NGC 1637 SN

7

Heault Copy data from Friday 11/

Saf 17:30 - 23:30

VISUAL MINIMA of 4 EB STARS
MAXIMUM of XZ CYG, CCD RUN ON
XZ PER AND NGC 1637 SN. SATURN
JUPITER - LOTS OF FRSTARS IN THE EZ
NEB ALSO ACTIVE. GRS VERY PALE, S 5-7

11-9

Scott Laskowski 10:40-11:15, Library
Men's toilet will not flush, eyepieces were
left out and the safe was unlocked

11-9

Heault 9:00 PM - 10:00 PM Ty Tau picture 176-
220 Copied

11-10

SCOTT JAMIESON

IMAGED NEW NOVA NEAR
ORION IN NGC 1637!

11-13-

Carlos Garces 23:30 - 1:00

11-15

Scott Laskowski 12:40-16:25, Library & yard
work, Mercury transit - cloudy
Cometary transit - cleanup - paint 1-3:40

11-16

SCOTT JAMIESON 17:00 18:00
JUPITER + SATURN BEAUTIFUL!

11-17

Scott Laskowski 17:35 took P-scope #8
to Yerkes for Leonid star party

11-19 Jill Roberts 13:00 - 13:15
Took Solar Filter for school project. Will
bring back tonight at meeting.

Board and General Meeting

11-19 Scott Laskowski 18:25 - 23:15
returned P-scope #8

~~Julia Fry~~

Virgil & Mary Ann Tanguay

Margaret Warner

Tom Schmitt

Tim Byrne

Lee Keith

Jill Roberts - Returned Solar Screen

CHRIS WEBB

DAVE WEIGER

Bob Manke

Scott Jameson

Ruby Foster

10/24

Self 15:30 - 14:30 FOUND BACK
DOOR OPEN

11-22 Scott Laskowski 8:45 - 10:25

Fire inspection - no violations, Library,
furnace valve was left closed, found MAS
president's gavel in the parking lot - put
on Quanset front table

" Jill Roberts 16:45 - 18:00
Library

11-23 Scott Laskowski 8:25 took P-scope #8 for
tour at Yerkes

11-24 Scott Laskowski 11:40 returned P-scope #8

11-24 SCOTT JAMESON -

1. REMOVED C SCOPE ROD-OUT
2. REMOVED MOUNT
3. REMOVED PIER FOR INSPECTION
TO REPLACE WITH C SCOPE (NEW)
4. TEST FITTED PORTA SCOPE TO
C-SCOPE MOUNT - WILL DISCUSS
TOMORROW.

1999

11-26

Scott Laskowski 9:45-3:05
Library work, work on C building

Kevin Long 10:00 AM

Paul Buck 9:00

Carlos Garces 2:00pm - 4:20

Saf 10:30-16:30 WORK

SCOTT JAMIESON 10:00 16:40 WORK

NOV 27

Saf 9:00-15:30

SCOTT JAMIESON 10:30 - 15:30

WORK ON C BUILDING

11/27

CHRIS WEBER - KEY HOLDER 18:00-22:10 - SAME AS TM

Tim Burrus 18:14-22:10

Using Z Scope Jupiter, SATURN, M42 TRANSIT AT 100X

Saf 21:00-1:00 MONITORING OF 6 BB STARS

11/28

SCOTT JAMIESON 12:00 2:00 FINISHED

PAD FORMS

Saf 12:30-14:00

NOV 28/99

DAU VAUKO 20:15 TO 20:45

Returned # 9 porta scope from campout
put 3 Eyepieces in safe. checked
GROUNDS.

DEC 1

SCOTT JAMIESON

LECTURE + TOUR TO PETER SHIKAS
CAROL COLLEGE CLASS

DEC 4

Saf 8:00 - 15:00 CONCRETE FOR

NEVELL 9:00 - 3:00 PM

C SHED, PADS

CHRIS WEBER 11:15

SCOTT JAMIESON 9:00 - 14:00

AND PORCH

VANN

DEC 5

VANN

10:30

CHECKED NEW CONCRETE

Dec 6 *Snfz* 20:00 - 23:00 PUT STRAW ON
CONCRETE. IMAGES W/NOV
ST9 CAMERA SATURN J4ATER
M42 / VIOLE ORI

12-7 Scott Laskowski 14:35 - checked grounds

12-10 SCOTT JAMIESON - DELIVERED
10" F/L NEWTONIAN FOR C-SHED
19:00 - 21:00 CLOUDS OUT FOR
ASTEROID OCC.

12-12 SCOTT JAMIESON - PORTASCOPE FOR
GRAZE 16:00 -
Snfz PICK UP GRAZE EQUIPMENT

Dec 15 *Snfz* RETURN GRAZE EQUIPMENT
Dec 17 *Snfz* 20:30 - 0:30 CCD RUN ON
ZEP, IMAGES OF S/N'S
IN NGC 1637 AND NGC 3184

Dec 19 VAN
Hesselt 3:00 PM - 4:15 PM
SCOTT JAMIESON 2:00 4:15
C SHED DESIGN REVIEW

12-20 *Snfz* Scott Laskowski 10:20 - 10:45, Library

12-25 *Snfz* 17:00 - 21:00 KEYHOLDER
CCD RUN ON CO LAC + WZ CEP W/ST6
FIRST RUN ON EB STAR W/ST9 TYCET
CLOUDS AT 20:30

12-26 *Snfz* DROP OFF LUMBER
FOR C SHED

Dec 27 *Snfz* I BEAMS FOR C SHED
DELIVERED

12-29 Scott Laskowski 13:25 - 13:50, Library,
drop off Lunar Occ. reports

1999
Dec 30

9:00 - 16:30 WORK ON C SHEET
 VERN
 NIGHT STARGAZING 9:00A 11:30A
 SCOTT JAMIESON 9:00 - 2:30

DEC 31
1999

SCOTT JAMIESON 8:00 - 4:00
 VERN

SJH 9:00 - 16:00
 C-SHED

JAN 0-1
2000

SJH 18:00 - 3:00 VISUAL MINIM OF
 9 EB STARS, CCD RUNS ON
 G4 ORI EFFORI AND BMAUR
 TOOK CCD IMAGES OF SN 15 IN NGC 1637
 3184, 2966, AND M61. RAN ST9 ON
 'B' SCOPE - M61 JUST FITS IN FRAME

JAN 1

SJH 11:30 - 15:30 CSHED
 VERN

SCOTT JAMIESON

Tim Burrus Keyholder 18:00 - 21:50
 8 people showed up.

Jan 4

Hennell 21:45 - 22:00 B Dome

JAN 8

SJH 10:30 - 15:30 SIDDING FOR CS
 VERN

SCOTT 1:30 - 5:00 MODIFIED "C" 1701
 TO ACCEPT 10" F/6 REFLECTO.

SCOTT J. 6:30 - 8:00 PM ASSEMBLED
 C SCOPE TO MOUNT - ALIGNED
 TO POLE. FIRST LIGHT - JUPITER
 + SATURN GOOD BUT NEEDS ALIGNMENT

B. Marnie - Keyholder 7:25 pm - 9:15 pm

JAN 15

VERN 8:30 - 14:30

SJH 9:30 - 17:00

C SHED

JAN 16

BRYAN GARNES - KEYHOLDER 18:45 - 21:30
 + JOHN B.

JAN 17

VERN 8:30 -

C SHED