SMAS Backups and Files Archive External Hard Drives

There are two USB external hard drives that contain the computer backups and SMAS files to recreate all the software and documentation for SMAS projects. These files also have archive photos and membership information and the files of SMAS President.

One drive is located in the control building, the other is in a data fire safe at Walter Rison's house, and this will be the most current.

As of this written there are 4 computers located at NCO as follows:

1. AllSky PC that is a Shuttle DS81, used to take the AllSky images and send them to the web page. See the "SMAS AllSky computer and software overview.doc" in the "Computer Info > Software" folder for how this system works.
2. SMAS1 PC is the computer with dual monitors and is used to control the dome and telescope. This has various astronomy programs and has its USB3 extended to the dome.
3. SMAS2 PC has development software for the dome controller and AllSky PC programs.
4. Observatory Laptop is used to remotely connect to SMAS1 from the observatory.

Drive directories:
Backup:
　　　boot readme.txt - how to recover a computer, also see "Drive Snapshot - Restoring the system from a Windows Setup DVD.pdf" in the Computer Info folder.

　　　snapshot.ext - backup/restore program.

　　　president file - zip archive of SMAS President files, includes photos and membership info.

　　　smas website - backup of smas.us web site.

　　　smas - computer backups

　　　smasweb doc – copy of the smas doc private web site directory, members only info.

Computer Info:
　　　Router Saved Config – Dlink DIR-655 current configuration.

　　　Shuttle DS81 – AllSky PC drivers and manuals.

　　　Software – Information about AllSky system and programs.

　　　Accounts.txt – SMAS web site accounts, and remote access.

10/15/2019

Wireless-key.txt – SMAS router wireless access key.

Keys.txt – Microsoft Windows keys for the computers.

Drive Snapshot - Restoring the system from a Windows Setup DVD.pdf – see how to recover the computer from scratch.

Network Drawing.pdf – How everything is wired.

CCBOE*.crt – Certificates for web access by the computers.

Observatory:
Drawings of the observatory and control building. Note these drawings are PCDraft files, the program is located in the Applicatins > PCDraft folder.

Applications:
These are all the programs that are part of SMAS computer and the observatory. Everything here should be enough to recreate the computers and observatory systems. Also the source code for all the custom software is here.

7-Zip – File archiver, reads and writes .zip files.

AllSky File Check V1.3 – Checks the sequence numbers on AllSky files to see if any are missing.

AllSky Viewer V1.4 – View AllSky images, to use map a network to the AllSky PC.

AnyDesk – Remote desktop program to allow internet access to the SMAS computers.

AP GTO Mini Control Dome 17.1-1 – PC dome tracking and telescope control program.

APGTO LX200 Emulator v12.2 – Software to make a PC act like a LX200 or AP900 mount, used for testing.

ASCOM Driver AP Mini v2 – Astro Physics telescope mount driver, works better that the Astro Physics one.

ASCOM – Mount and camera drivers.

ASCOM Focus Driver – Driver to control motor focuser via the mount.

ASCOM Focus Tester – Program to test the focus motor via ascom.

10/15/2019

ASCOM_AP_Mini 2.2.0 – Source code for the Astro Physics telescope mount driver that's in the "ASCOM Driver AP Mini v2" folder.

AstroPhotoRename 1.15 – Program to rename group of files.

Astro-Physics Mount – Program to reload the CP3 database and hand control firmware.

Backyard RED – PC program to turn the screen red.

C2A Planetarium Software – Star chart program.

CClean – PC utility to clean up pc files system.

CDBurnerXP – Program to write DVD's and iso images.

Clock 2.6 – Clock program with audio announcements, local, utc, and sidereal times.

Com0com virtual com ports – Driver to create virtual com ports used with AP Mini and MegaStar. This allows AP Mini to use a focus motor or other program a second com port connection.

Crimson Editor – Text editor.

cuteFTP – FTP program used by the SkyMeter_Log program to send SkyMeter files to web site.

Digi Rabbit Dynamic C – Dome controller development software. See the "SMAS Dome Control" folder for how to use.

Dome Control Emulator 1.4 – Program to emulate the dome controller, for software testing.

DriveSnapshot – PC backup and restore program. Used to create and restore the files in the "backup" folders.

DSS Fetch Images – Downloads Digital Sky Survey (DSS) images. Can be used with MegaStar 5 because it no longer works.

EasyBCD – PC boot manager.

Exif ImgX v59.5 – Image viewer and web page builder.

FastStone Image Viewer – A program to view photos.

FileZilla (ftp) – Program to ftp files to web site.

FilterWheelControl V1.00 – Program to control a ASCOM filter wheel.

FindFiles 1.10 – Program to search for files.

FireCapture – Program to control astro video cameras such as the zwo.

Firefox – Web browser and add-on.

Fix Megastar Comets – PC program to fix downloaded comets.txt file for the MegaStar 5 program.

Focuser SMAS Driver – USB driver for MoonLite focuser.

FreeFileSync – Program to synchronize directories.

GoldFocus 4.0 – PC program to analyze star images for focus.

ImagesPlusExposures 2.18 – PC program to generate and manage camera control files for ImagesPlus Camera Control.

Lunar Charts – Web page of lunar maps.

Microsoft Visual Studio 2010 Pro – Development software for Visual Basic, used to make most of the custom PC programs including dome control. Things with the .vbproj extension.

Mars Previewer II – Program to show mars features realtime.

MoonLite Focuser – Drivers and programs for the MoonLite focusers.

Occult Watch – Program to predict asteroids occultation times(simpler than Occult4).

Occult4 – Asteroids occultation program.

Opera – Another web browser.

Orion StarShoot Autoguider – Driver for the Orion StarShoot Autoguider camera.

Orion StarShoot Pro V2.0 Deep Space Color CCD Imaging Camera – Drivers for the Orion StarShoot imaging camera, not the auto guider.

Partition Wizard – PC program to create and manage disk partitions, also has a ISO boot disk image.

PC Draft – PC drafting program, site and documentation files with .drf extension.

PC Draft Drawings – Site drawings.

PHD Guider – PC auto guider software and log viewer.

PHDlabs – PC program to analyze PHD guide logs. Note you have to edit the logs first line to work with PHD 2.6. Remove the "[Windows]" from the first line.

Photo Timer 2.3 – PC program stop watch and timer.

Php – PC program that allow .phd web pages to be viewed on a local PC (Quick PHP).

PIPP (Planetary Imaging PreProcessor) – Program to process astro videos and other things.

Power Term – PC program terminal emulator for COM ports.

P-touch – Software for then brother labeler.

Recover Windows Product Key – PC program to display the Microsoft Windows key.

SBIG – CCDSharp SBIG camera capture program and drivers.

SBIG AllSky Program Control V4.05 – AllSky program the monitors the SBIG AllSky-340 program and restarts it.

SBIG AllSky-340 – Software that came with the AllSky-340 camera, this takes the pictures and uploads then to the web site.

Sequence Generator Pro – Program to control and take images.

SER Video Utility – Program to view and edit .SER video files.

Serial Port to ASCOM 2.6-1 – Program to bridge a serial port to ASCOM driver.

SharpCapture – PC program to capture video from astronomy cameras.

ShowTestSerialPorts 3.4 – Program to test PC com ports.

Skychart 4 – Cartes du Ciel star chart program.

SkyMeter Archive V1.02 – AllSky program manage the SkyMeter files.

SkyMeter CD – The SkyMeter disk that came with it. Software is not used; we use a custom program in the "SkyMeter Log V3.04" folder. However the program in the "SkyMeter CD" > "Windows" "setup1.0.0.15.exe" program is used to configure the SQM-LE device.

SkyMeter Log V3.2 – AllSky program to control the SkyMeter and build images to send to the web page and archive the data. Requires "cuteFTP" version 9 to be installed.

SMAS Dome Control – Dome controller source files and documentation.

SMAS Purge AllSky Images V3.00 – AllSky program to purge and archive the AllSky-340 image files.

Synchronize-It – PC program to synchronize folders.

TeamViewer – PC program to remotely login to the Allsky computer. This program no longer allows access to the SMAS computer over the internet but will work local.

Thunderbird – Email program.

Ulead Photo Impact 12 – PC program for image editing used to create some documentation files and member ship cards, .ufo extension.

Vnc (remote desktop) – PC program for local remote desktop from the observatory to SMAS1.

Windows 7 – Program and settings for windows 7.

Windows 10 – Registry settings to stop some auto updates.

xport – Drawings and engineering information for the XPort Power Controller box.

XPort Control 2.0 – Program to control the XPort Power Controller, use to power the AllSky 340 camera and SMAS1 computer.

ZWO Camera – Drivers for ZWO cameras.

10/15/2019