# How the "Park" position works with the Schulman Telescope

On a general telescope park positions can be defined by a physical limit switch/indicator or through software by means of defining a particular telescope position. Some software programs also couple the position of "Park" with the action of moving to a park position and then turning off sidereal tracking. Not all software programs do this.

## **Schulman Telescope Implementation of Park**

Different software programs handle Park in different ways:

Program	Behavior
<b>LCOGT GUI</b> Park is a position only. Its state is asynchronous.	
	Park will set park variable (recorded by ACP and LCOGT) to "parked", send to the defined park position and turn off tracking
	Connects to telescope via "ASCOM Mount." In this way, park is only a position. The behavior is like ACP if connected to a Bisque controller.

### Fixing the problem

Below is the typical error encountered in ACP.

Last update: 2019/06/07 public:catalinas:lemmon:schulman\_32:fixing\_the\_park\_upark\_error https://lavinia.as.arizona.edu/~tscopewiki/doku.php?id=public:catalinas:lemmon:schulman\_32:fixing\_the\_park\_upark\_error&rev=1559934231 2019/06/07 public:catalinas:lemmon:schulman\_32:fixing\_the\_park\_upark\_error&rev=1559934231

ACP Observatory Control So			
CP Telescope Camera	Rotator Weather Help		
		Script-	
			Select the Script
		<u> </u>	
	🗹 Display Hour Angle	- Console	
	Display J2000	Console	
Local • UTC •	🕽 Julian 🛛 🗹 Sidereal Trackin		*
Rotator	- Web Access		
Set Angle 000.0			
occurring to book of			+
			•
Slew or Sync (catalog)	Use Web Browser	41. 1	ALL D
Nudge Telescope	Dome Control	Abort	Alert
CP	<b>-X</b>		
Run-time error '-21	47220469 (8004040b)':		
Telescope parked.			
relescope parked.			
	ОК		

- 1. First clear the error by closing the dialog window. If ACP closes, restart ACP.
- 2. In ACP **Park** the telescope under the **Telescope** menu.
- 3. Wait approximately 10 seconds for telescope to settle and return.
- 4. In the **Telescope** menu select **Unpark**.
- 5. Point the telescope to the next target as normal.

In step **#2**, even if the telescope is already physically at the **Park** position, re-parking will synchronize the variable states of **Park** in the LCOGT GUI and ACP. Simply selecting **unpark** will not work.

#### For More Information

You are welcome to see a video that explains this issue by watching the below:

https://www.youtube.com/watch?v=v0Wx783Zc20

Also see the Telescope Limits page.

From: https://lavinia.as.arizona.edu/~tscopewiki/ - MOON

Permanent link: https://lavinia.as.arizona.edu/~tscopewiki/doku.php?id=public:catalinas:lemmon:schulman\_32:fixing\_the\_park\_upark\_error&rev=1559934231

Last update: 2019/06/07 12:03

