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| Use Case Name: Test a science plan | ID: 3 | Importance Level: High |
| Primary Actor: Astronomer | | Use Case Type: Essential |
| Brief Description: The function is used to test the science plan that astronomers created. | | |
| Trigger: An astronomer created the science plan, and submit the plan to test  Type: External | | |
| Preconditions: Astronomer has already created the science plan | | |
| Normal Flow of Events:   1. Astronomer selects “test a science plan.” 2. Astronomer opens virtual telescope. 3. Astronomers get the list of science plan. 4. Astronomer selects the science plan to test. 5. Astronomer imports the science plan. 6. Astronomer executes the plan. 7. Astronomer tests the plan. 8. Astronomers update the plan status. 9. Astronomer Select “Finish”. | | |
| Exceptional Flow:   1. If there are no existing plans the system will send show the error “Can’t find the existing plans” 2. If there is a problem when starting a virtual telescope, the system will display the error message | | |