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Gravity Probe B Relativity Mission

PROCEDURE FOR
Artificial Star #2 Narrow Field Scan
GP-B P0226 Rev -
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Date

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1. Procedure for a scan:
 - 1.1. Align the star so that the image forms on the telescope axis to within 1 arc sec.
 - 1.2. Open the application ScanStar v.1.0 if it is not already open. The application is on MacIntosh Centris 650 located in Telescope Lab.
 - 1.3. Set all the parameters as indicated in table 1 below.
 - 1.4. Click the run arrow in the application to start the scan.
 - 1.5. Make sure that no one is allowed to touch the star during the scan.
 - 1.6. When the scan is complete, the run busy signal will disappear.
 - 1.7. A file of the name: Scan_2d1_(today's date) will be created. The file is of the type ascii.
 - 1.8. Record the file names in table 2 below.
 - 1.9. Procedure 1 complete.

Signed: _____ Date: _____

2. Completion status:

Success: _____

Fail: _____

Symptoms if fail: _____

Table 1. Application Parameter Settings

Button Name	Setting	Inspector Stamp
Function	Init & Run	
Serial Port	IP Serial B	
Scan Type	2D	
Init Mtr Mvmnt	Rewind	
Mtr Spd (stps/sec)	50	
Mtr/PZT	Stp Mtr	
# Grids	50	
Tot # Stps	8000	
Init A	0.50	
Init B	0.50	
A Mtr #	Tip X	
B Mtr #	Tip Y	
Init Mov Dirtn	Positive	
Sample Rate (1/sec)	NOT USED	
# Samples/Chan	NOT USED	
Sample Mode	Slope	

