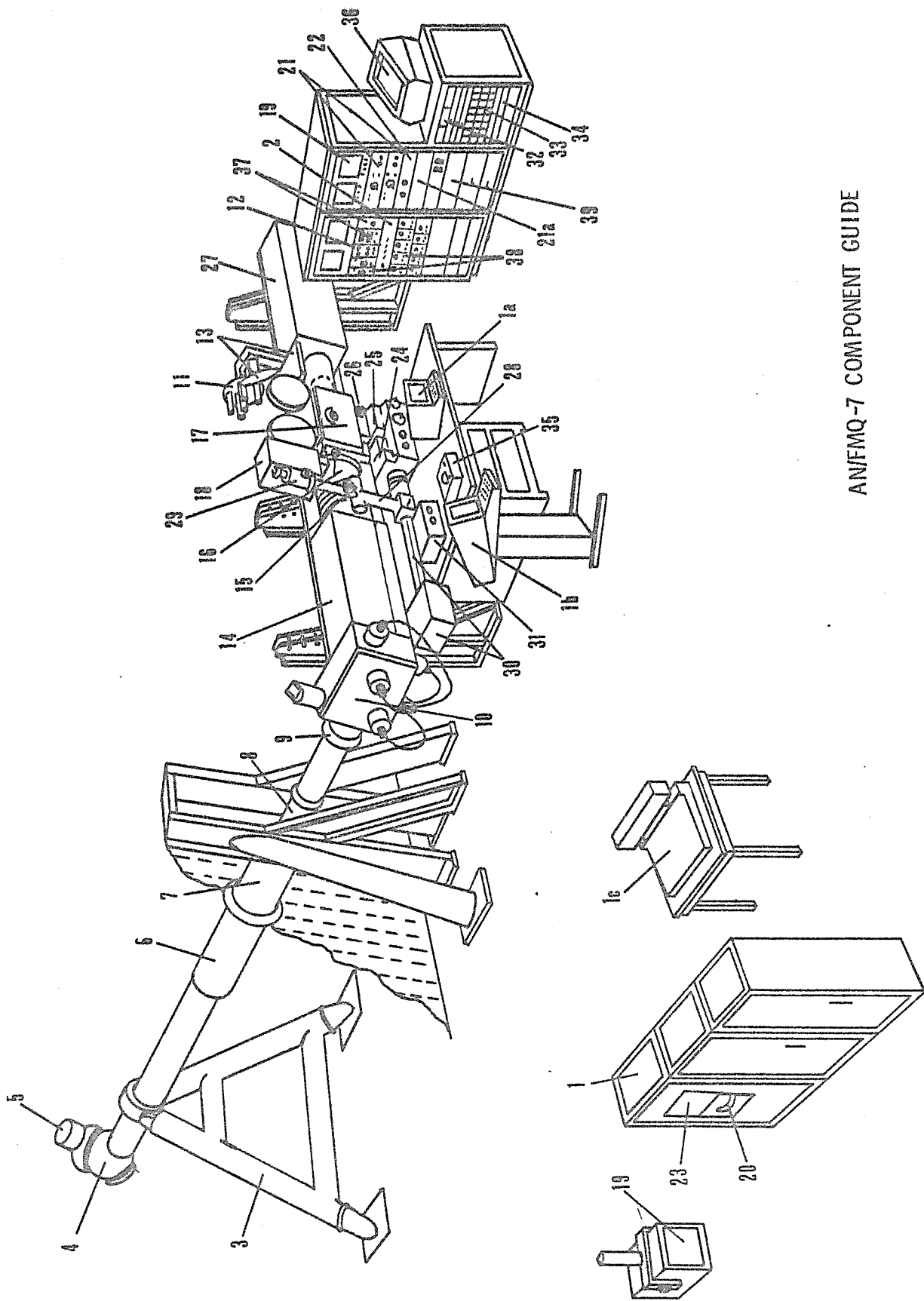


TELESCOPE COMPONENT GUIDE.

SOLAR OBSERVING OPTICAL NETWORK
(SOON) OPERATORS COURSE



DETACHMENT 4, 4th WEATHER WING
HOLLOMAN AFB, NEW MEXICO 88330

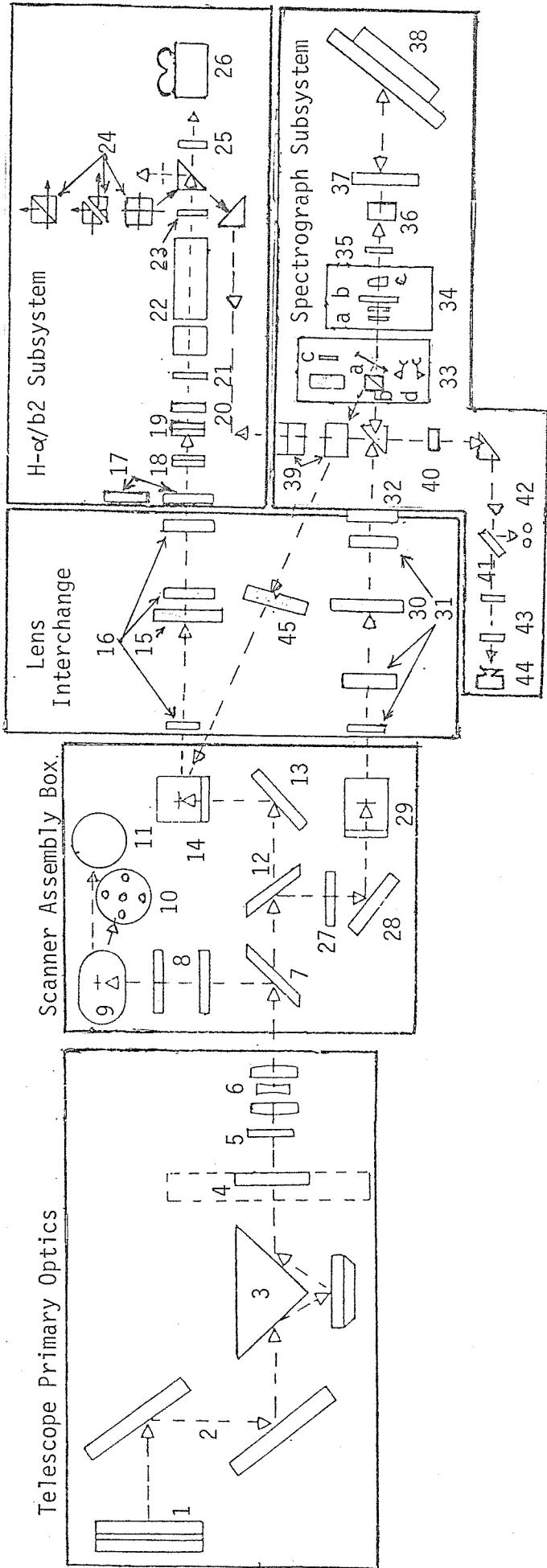


AN/FMQ-7 COMPONENT GUIDE

COMPONENT LOCATIONS

1. COMPUTER ASSEMBLY
 - A **HP2622A** CONSOLE
 - B. TEKTRONIX 4010 GRAPHICS TERMINAL
 - C. TI SILENT 700 PRINTER
2. COMPUTER INTERCHANGE
3. TELESCOPE A-FRAME
4. TURRET ASSEMBLY
5. OBJECTIVE LENS
6. TELESCOPE TUBE
7. IMAGE ROTATOR
8. FIELD LENS
9. COLLIMATOR LENS, COLLIMATOR TUBE AND IMAGE ROTATOR RINGS
10. SCANNER ASSEMBLY BOX, WHITELIGHT BEAM-SPLITTER AND TURRET, H-ALPHA/SG BEAMSPLITTER, SCANNER-MIRRORS, GUIDER ASSEMBLY
11. GUIDER/THRESHOLD MODULE
12. WHITELIGHT MIRROR, PROJECTION
13. LENS INTERCHANGE BOX, FULL DISK AND LARGE SCALE OPTICS
14. POLAROID, BIREFRINGENT FILTER ASSEMBLY
15. BEAM SELECTOR, H-ALPHA EYEPIECE
16. ACME 16/35MM CINE CAMERA
17. H-ALPHA TV CAMERA (MINICON)
18. TV MONITORS (RACKS 1 AND 2, AND REMOTE)
19. VIDEO DISK
20. TV SCAN CONVERTERS
 - A. SCAN CONVERTER CONTROL PANEL
21. VIDEO ANALYZER
22. VIDEO ANALYZER
23. SPECTROGRAPH SLIT CARRIAGE ASSEMBLY
24. FILTER WHEEL, ND*P AND PHASE PLATE CARRIAGE
25. DOPPLER CUBE SERVO
26. LITROW LENS, DIFFRACTION GRATING
27. SPECTROGRAPH EYEPIECE ASSEMBLY
28. PHOTOMICROGRAPH ATTACHMENT
29. SPECTROGRAPH MINICON, ZOOM OPTICS
30. FILTER TEMPERATURE CONTROLLER
31. VIDEO SWITCHERS
32. VIDEO AMPLIFIERS
33. TV CHARACTER GENERATOR
34. REMOTE POTENTIOMETERS, TRACKBALL
35. HARD COPIER UNIT
36. DATA PLATEN, CAMERA CONTROL MODULES
37. SERVO MODULES FOR RA AND DEC, SCANNER MIRRORS, POLAROID, DOPPLER CUBE
38. POWER SUPPLY MODULES

SOON TELESCOPE OPTICAL SYSTEM



1. 10" objective lens
2. Primary turret mirrors (two)
3. Image rotator
4. Field lens
5. Target holder ring
6. Cooke triplet lens
7. White light beamsplitter
8. White light focus/sizing lenses
9. Guide/WL lens mirror
10. Guide assembly
11. White light projection mirror
12. H- α /SG beamsplitter drum
13. H- α E-W scanner mirror
14. H- α N-S scanner mirror
15. H- α large scale lens
16. H- α full disk lenses
17. H- α /b2 prefilters
18. $\frac{1}{4}$ waveplate
19. AGC polaroids
20. 1A polaroid
21. 5A polaroid
22. Birefringent filter
23. .25A polaroid
24. Beamselector (5 positions)
25. 35mm format lens
26. Cine film camera
27. Anti-dispersion wedge
28. SG N-S scanner mirror
29. SG E-W scanner mirror
30. SG large scale lens
31. SG full disk lenses
32. SG calibration lens
33. Slit carriage assembly
34. Slits
35. a. Slits
36. b. W/L pentaprism
37. c. Spectrohelioscope prism
38. d. Photodiodes (two)
39. Magnetograph slide assembly
40. a. Phase plates
41. b. KD*P crystal
42. c. Beamsplitter
43. SG filter wheel
44. Doppler cube
45. Littrow lens
46. Gratings (two, back-to-back)
47. Rhombus and lens (test)
48. SG imaging lens
49. TV/Eyepiece mirror
50. Trinocular eyepiece
51. Zoom optics
52. SG TV camera
53. Slit-jaw lens