

DSO - Strength Loss -

TP Flight Schedule ?

(Hdw. + protocol can be available for next flight)

~~Procedure.~~

- Hardware Simple (available 2 wks. after authorization)
~~Passive~~ mechanical -

Wt. est 2#, stowage 1/4 cu ft.

Crew Impact

Tng - 1 hr. individual or group -

Operating

~~Data~~ time - 15 mins/person

Schedule -

As many ^{crew} subjects as possible

1-2 preflight (tng. will be one session)

Entry (At time of earliest potential egress)

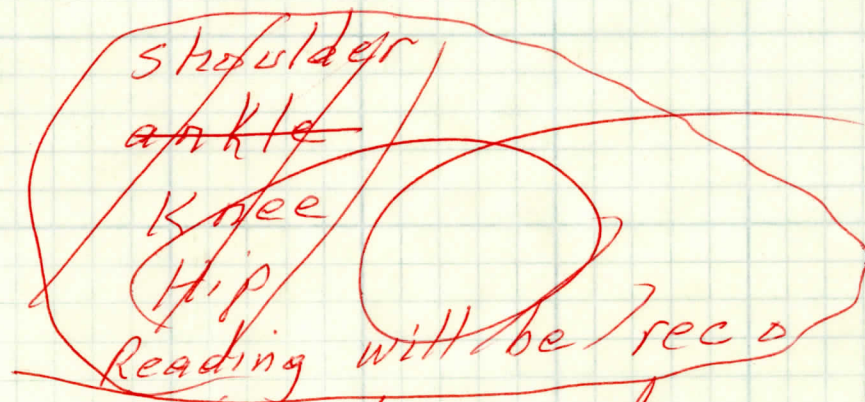
Landing (Immediately post rollout)

Post landing Physical

R+24 hrs -

DSO Procedure

1. ~~test~~ slip instrument on edge of seat
2. Adjust angle (pull knob & rotate)
3. Zero ~~need~~ indicator
4. Make maximum effort, bidirectional for
elbow -



5. Read and record
6. Repeat steps 2-5 for
Shoulder, Knee, Hip

Add to:

① P. 3
It consists of a torque bar & a simple sliding clamp support which fits slips over the crew seat edge and carries the support which may be lifted and turned to various angles. A ^{directional} bidirectional indicator dial & two memory pointers will record maximum torque exerted in either direction. The ^{velcro} strap on the end of the bar will wrap around the limb segment to be measured and transmit its torque to the ~~p~~ bar.

② P. 5
Actual measurement will consist of; slipping the arm onto the seat edge, ~~as~~ zeroing by ~~push~~ button the memory pointers, adjusting by lift & turn to a preset angle, wrapping a velcro strap around the segment to be measured, making a maximum force effort in each direction and reading & recording the resulting numbers values from a dial.

③ P. 6
The hardware will consist of simple mechanical ~~comp~~ components of flight approved materials. Estimated size & weight are 2.3 lbs. and 2x4x10" max volume - Data analysis will consist of comparisons of values obtained at various flight phases.