

1

OPTION I

CSM-AL-MDA ONLY - NO OWS ENTRY

1. CONTINUE M071-73

a). CARRY UP: CONTINGENCY WASTE MANAGEMENT BAGS -

• FOOD

• W.M. PRESERVATIVE

b). RETURN: UNFROZEN URINE SAMPLES

WET STOOLS

(PROBABLY LOSE MOST OF M073).

2. CONTINUE M110

a). CARRY UP ASPS - NO CENTRIFUGE

b). RETURN UNSEPARATED - UNFROZEN BLOOD

(VALUE QUESTIONABLE)

3. USE OBS

4. CARRY UP EXERCISES - USE E OBS.

5. CD + OTHER MONITORS.

6. DO SOLE - OPTIONAL

7. OPERATIONAL RADIATION

FULL PRE + POST WITH SML

VALUE FOR FUTURE MISSIONS

VERY LIMITED - MAYBE COULD EXTEND

5 TO 10 DAYS BEYOND DURATION OF THIS

MISSION.

OPTION II

CEM-AL-MDA - 1 OWS RETRIEVAL VISIT

1. CONTINUE MOTI-MOTB (RETRIEVE FOOD + WM BAGS)
 - a) CARRY PRESERVATIVES
 - b) RETURN UNFROZEN URINE + WET STOOLS
(PROBABLY ~~WE~~ LOSE MOST OF MOTB)
2. CONTINUE M110 (RETRIEVE ASPS + CENTRIFUGE).
 - A) SEPARATE BLOOD
 - B) RETURN UNFROZEN BLOOD
3. USE OBS
4. CARRY UP EXERCISERS + USE E OBS
5. CO + OTHER MONITORS
6. MICRO - RETRIEVE IMSS MOD
 - a) DO CREW + S/C SAMPLES
7. DO M133 IN CEM
8. 5015 OPTION
9. OPERATIONAL RADIATION

FULL PRE + POST E SML

VALUE : SAME AS OPTION I.

OPTION III

CSM-AL-MDA 2 SEVERAL OWS RETRIEVALS - NO WORK
IN OWS.

1. M071-M073 - Same as OPTION II
IF COULD MAKE DAILY VISITS TO OWS - EVALUATE IF COULD
FREEZE URINE + ITS VALUE SINCE IT WILL SIT 24 HOURS
AT ~~THE~~ AMBIENT.
^{AS OPTION II}
2. M110 - SAME, BUT NOW FREEZE SEPARATED BLOOD
ARRANGE BLOOD DRAW ON OWS VISIT DAYS.
3. OBS - SAME AS II
4. EXERCISES - SAME AS II
5. CO MONITOR - SAME AS II
6. MICRO - SAME AS II
7. DO M133 IN CSM - SAME AS II
8. SO-15 OPTIONAL - SAME AS II
9. OPERATIONAL RADIATION

PRE + POST - FULL - USE SML

VALUE: ESSENTIALLY SAME AS OPTION II -
MAYBE A LITTLE LONGER.

OPTION IV

FULL CLUSTER ONE HALF TO ONE THIRD POWER
MAN HOURS AVAILABLE IS QUESTIONABLE.

I FULL PROGRAM WITH FOLLOWING MODS:

1. M071-M073 - ~~DELETE~~ FEELS DRY - WET STOOL RETURN REQUIRED.
2. a) M092 - MIN IS ONCE IN 5 DAYS - 5X/MAN.
b) Do M093 AS PART OF CREW EXERCISE.
3. M110 - HOLD TO 4 SAMPLES. IF CENTRIFUGE POWER IS
LIMIT - SEPARATE 3 SAMPLES - FREEZE + RETURN ALL 4 SAMPLES.
4. M131 - REDUCE MODE I TO 3X (FROM 5X)
HOLD MODE II TO 3X, BUT DO ONLY ON 2 CREWMEN
WHO DO MODE I.
5. Do M133
6. DELETE M151 + USE RETURN WT + VOL OF FILM FOR STOOLS.
IF WT + VOL AVAILABLE, REDUCE # OF SEQUENCES TO BE FILMED
IF WOULD HELP.
7. M171 - AT LEAST 3/MAN WITH MA. GET ADDITIONAL M171
INFO BY INTEGRATING WITH CREW EXERCISE - SET PROTOCOL.
8. Do M172 - DAILY DAYS 1 THRU 5 - EVERY 3 DAYS - DAILY
FOR LAST 5 DAYS
9. CO + OTHER MONITORS - SAME AS II
10. MICRO - SAME AS II
11. SOIL - OPTIONAL
12. OPERATIONAL RADIATION
13. WATER SAMPLING - IODINE MONITOR
14. CO₂ / DEW POINT

FULL PRE + POST - SML.

VALUE - EXTEND TO DOUBLE LENGTH OF THIS
MISSION.