

INITIAL PREPARATION 10-14 DAYS BEFORE FLIGHT.

DATE (LOCAL): 9/23/14 INITIALS: CAC PUMP# (add x,y,z,R): 2227590
1. Run zero air 10 minutes (v)
2. PUMP CURRENT: 94.21 (v)
3. PUMP PRESSURE: 710 (v)
4. ENSCI Press/vac: 29/20 (v)
5. Bypass cell (v)
6. Add 5-6cc cathode (v)
7. 30 MINUTES HI O3 (v)
8. 3 MINUTES NO O3 (v)

9. DUMP CATHODE RINSE: (v)
10. ADD 3.0 CC FRESH CATHODE #: 245 (v)
11. ADD 1.5 CC ANODE SOLUTION: (v)
12. RUN 10 MINUTES on NO O3 (v)
13. RECORD CURRENT: BG = 0.184 uamps (v)
14. RUN 10 MINUTES on 5 uamps O3 (v) - then switch to NO O3 AIR.
15. RECORD: TIME TO DROP FROM 4 TO 1.5 uamps: 32.02 sec.
16. Run sonde for 10 minutes on NO O3 AIR (v)
17. Short the cell leads: (v)
18. Intake tube stored in sonde frame: (v)
19. Place Instrument inside plastic bag: (v)
20. Store inside Styrofoam flight box: (v)

AFTER 1 WEEK: REPLACE SOLUTIONS:

DATE (LOCAL): 10/1/14
1. RUN 5 MINS on NO O3 (v)
2. RECORD CURRENT: 0.098 uamps
3. RUN 5 MINS on 5 uamps O3 (v) - then switch to NO O3 AIR
4. RECORD TIME TO DROP FROM 4 TO 1.5 uamps: 25.73 sec
5. Short cell leads and Store in Styrofoam flight box: (v)

FLIGHT PREPARATION IN LAB. (Under 24 hours to launch)

DATE (LOCAL): 10/4/14
INITIALS: BW

1. Cathode solution # or date written on bottle: May, 10, 2014
2. CHANGE CATHODE SOLUTION (3cc): (v)
3. CHANGE ANODE SOLUTION (1.5cc): Yes (Yes/No)
4. RUN ON NO O3 FOR 10 MINUTES: (v)
5. RECORD THE NO O3 BACKGRND#1: BG1 = 2.037 uamps
6. RUN ON 5 microamps of O3 for 10 Minutes: (v)
7. SWITCH TO NO O3 AIR.
8. RECORD: THE TIME TO DROP FROM 4 TO 1.5 uamps: 25.63 sec
9. RECORD: 5 - T100 FLOWRATE TIMES:

T100 FLOWRATE TIMES:

ROOM TEMP (C): 20.9 ROOM RH (%): 26%
Flowrate Correction: 2% (%)
FLOWRATE #1: 29.43 sec
FLOWRATE #2: 29.56 sec
FLOWRATE #3: 29.57 sec
FLOWRATE #4: 29.49 sec
FLOWRATE #5: 29.53 sec

AVERAGE T100:

29.53 sec
dry 28.42 28.35 28.54 28.44
wet 27.09 29.02 28.91 28.10

DAY OF FLIGHT @ THE LAUNCH SITE.

FLIGHT NUMBER: HV 885
GMT DATE (YYMMDD): 10/4/14
GMT LAUNCH TIME: 5:55
Operator Initials: BW

LOCAL DATE: 10/4/14
LOCAL TIME: 12:55

Results: O3 Sonde TCO extrap: (DU)
O3 Sonde TCO SBUV: (DU)

BALLOON SIZE: 1200 Grams: TOTEX Hwoyee (v) PAWAN (v one)
PAY-OFF-WEIGHT: Grams: Burst Alt: (km) Turn/Burst:

O3 sn: 2227570 O3 CELL BACKGROUND (uamps): O3 Ventilation Holes: (Y/N)
O3 Flowrate: (sec) O3 Flowrate Correction: (%)

Radiosonde #: Freq: (MHz) If Vais RS-80, Pressure offset written on bag: (hPa)

NOAA FPH sn:

Other instruments:

SURFACE PRES: (hPa)
SURFACE TEMP: (C)
SURFACE RH: (%)

Sky Conditions:

REMARKS: