

March 2014 NEW

INITIAL PREPARATION 10-14 DAYS BEFORE FLIGHT.

- DATE (LOCAL): 7/3/14
 INITIALS: CLC
 PUMP# (add x,y,z,R): 2E26390
- | | |
|--|---|
| 1. Run zero air 10 minutes <input checked="" type="checkbox"/> (v) | 5. Bypass cell <input checked="" type="checkbox"/> (v) |
| 2. PUMP CURRENT: <u>97.97</u> | 6. Add 5-6cc cathode <input checked="" type="checkbox"/> (v) |
| 3. PUMP PRESSURE: <u>710</u> | 7. 30 MINUTES HI O ₃ <input checked="" type="checkbox"/> (v) |
| 4. ENSCI Press/vac: <u>32/20</u> | 8. 3 MINUTES NO O ₃ <input checked="" type="checkbox"/> (v) |
-
9. DUMP CATHODE RINSE: (v)
10. ADD 3.0 CC FRESH CATHODE # 245
11. ADD 1.5 CC ANODE SOLUTION: (v)
12. RUN 10 MINUTES on NO O₃ (v)
13. RECORD CURRENT: BG = .495 μamps
14. RUN 10 MINUTES on 5 μamps O₃ (v) - then switch to NO O₃ AIR.
15. RECORD: TIME TO DROP FROM 4 TO 1.5 μamps: 89 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): 7/10/14

1. RUN 5 MINS on NO O₃ (v)
2. RECORD CURRENT: 0.241 μamps
3. RUN 5 MINS on 5 μamps O₃ (v) - then switch to NO O₃ AIR
4. RECORD TIME TO DROP FROM 4 TO 1.5 μamps: 31.64 sec
5. Short cell leads and Store in Styrofoam flight box: (v)

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

DATE (LOCAL): 7/18/2014
INITIALS: WTC

T100 FLOWRATE TIMES:

ROOM TEMP (C): 25, ROOM RH (%): 49
Flowrate Correction: 1.5 (%)

1. Cathode solution # or date written on bottle: 244
2. CHANGE CATHODE SOLUTION (3cc): (v)
3. CHANGE ANODE SOLUTION (1.5cc): (Yes/No)
4. RUN ON NO O₃ FOR 10 MINUTES: (v)
5. RECORD THE NO O₃ BACKGRND#1: BG1= 0.072 μamps
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 μamps: 28.93 sec
9. RECORD: 5 - T100 FLOWRATE TIMES:

FLOWRATE #1: 29.57 sec

FLOWRATE #2: 29.61 sec

FLOWRATE #3: 29.60 sec

FLOWRATE #4: 29.55 sec

FLOWRATE #5: 29.66 sec

AVERAGE T100: 29.59 sec

Wet
~~29.57~~
~~29.61~~
~~29.60~~
~~29.55~~
~~29.66~~
~~29.59~~
~~29.59~~

DAY OF FLIGHT @ THE LAUNCH SITE.

Results: O₃ Sonde TCO extrap: _____ (DU)

FLIGHT NUMBER: H4875
GMT DATE (YYMMDD): 140718
GMT LAUNCH TIME: _____
Operator Initials: WTC

LOCAL DATE: 140718
LOCAL TIME: _____

BALLOON SIZE: 800 Grams: TOTEX _____ Hwoyee _____ PAWAN _____ (v one)
PAY-OFF-WEIGHT: _____ Grams: Burst Alt: _____ (km) Turn/Burst: _____

O₃ sn: 2326390 O₃ CELL BACKGROUND (μamps): 0.072 O₃ Ventilation Holes: (Y/N) Y
O₃ Flowrate: 29.59 (sec) O₃ Flowrate Correction: 1.5 (%)

Radiosonde #: 26715 Freq: 403 (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: _____