

March 2014 NEW

INITIAL PREPARATION 10-14 DAYS BEFORE FLIGHT.

- DATE (LOCAL): 5-27-14
INITIALS: CLC
PUMP# (add x,y,z,R): 2226392
- | | |
|--|---|
| 1. Run zero air 10 minutes <input checked="" type="checkbox"/> (v) | 5. Bypass cell <input checked="" type="checkbox"/> (v) |
| 2. PUMP CURRENT: <u>22.11</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>30/21 in Hg</u> | 8. 3 MINUTES NO O ₃ <input checked="" type="checkbox"/> (v) |
-
9. DUMP CATHODE RINSE: (v)
10. ADD 3.0 CC FRESH CATHODE #
11. ADD 1.5 CC ANODE SOLUTION: (v)
12. RUN 10 MINUTES on NO O₃ (v)
13. RECORD CURRENT: BG = .174 μ amps
14. RUN 10 MINUTES on 5 μ amps O₃ (v) - then switch to NO O₃ AIR.
15. RECORD: TIME TO DROP FROM 4 TO 1.5 μ amps: 34.83 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): 6-3-14

1. RUN 5 MINS on NO O₃ (v)
2. RECORD CURRENT: .058 μ amps
3. RUN 5 MINS on 5 μ amps O₃ (v) - then switch to NO O₃ AIR
4. RECORD TIME TO DROP FROM 4 TO 1.5 μ amps: 24.69 sec
5. Short cell leads and Store in Styrofoam flight box: (v)

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

DATE (LOCAL): 6/14/2014
INITIALS: WTC

1. Cathode solution # or date written on bottle: 238
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 = 0.019 μ amps
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 μ amps: 20.40 sec
9. RECORD: 5 - T100 FLOWRATE TIMES:

T100 FLOWRATE TIMES:

ROOM TEMP (C): 24, ROOM RH (%): 43 Wet

Flowrate Correction: 1.96 (%) 28.07

FLOWRATE #1: 29.17 sec 28.10

FLOWRATE #2: 29.27 sec 28.02

FLOWRATE #3: 29.16 sec 28.06

FLOWRATE #4: 29.22 sec Dry

FLOWRATE #5: 29.19 sec 27.52

AVERAGE T100: 29.20 sec 27.54

27.51

27.52

DAY OF FLIGHT @ THE LAUNCH SITE.

Results: O₃ Sonde TCO extrap: _____ (DU)

FLIGHT NUMBER: 44870
GMT DATE (YYMMDD): 14 06 14
GMT LAUNCH TIME: 18:11
Operator Initials: WTC

LOCAL DATE: 140614
LOCAL TIME: 13:11

BALLOON SIZE: 800 Grams: TOTEX _____ Hwoyee PAWAN _____ (v one)
PAY-OFF-WEIGHT: _____ Grams: Burst Alt: 32 (km) Turn/Burst: _____

O₃ sn: 2226392 O₃ CELL BACKGROUND (μ amps): 0.019 O₃ Ventilation Holes: (Y/N) Y
O₃ Flowrate: 29.20 (sec) O₃ Flowrate Correction: 1.96 (%)
Radiosonde #: 26534 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: _____