

July 2, 2014

INITIAL PREPARATION 10-14 DAYS BEFORE FLIGHT.

- DATE (LOCAL): 2-6-15
INITIALS: BW
PUMP#: 2Z24676
- Run zero air 10 minutes (✓)
 - PUMP CURRENT: 86.48 (mA)
 - PUMP PRESSURE: >10 (psi)
 - DMT Press/vac: 28 / 20 (in Hg)
 - Bypass cell (✓)
 - Add 5-6cc cathode (✓)
 - 30 MINUTES HI O₃ (✓)
 - 3 MINUTES NO O₃ (✓)
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- DUMP CATHODE RINSE: (✓)
 - ADD 3.0 CC FRESH CATHODE #
 - ADD 1.5 CC ANODE SOLUTION: (✓)
 - RUN 10 MINUTES on NO O₃ (✓)
 - RECORD CURRENT BEFORE O₃: BG = 0.061 μA
 - RUN 10 MINS on 5 μA O₃ (✓) - then switch to NO O₃ AIR.
 - RECORD: TIME TO DROP FROM 4 TO 1.5 μA: 32.18 sec.
 - Run sonde for 10 mins on NO O₃ (✓)
 - RECORD CURRENT: BG = 0.082 uA
 - Short the cell leads: (✓)
 - Intake tube stored in sonde frame: (✓)
 - Place Sonde inside plastic bag: (✓)
 - Store inside Styrofoam flight box: (✓)

AFTER 1 WEEK: REPLACE SOLUTIONS: DATE (LOCAL): 2-11-15

- RUN 5 MINS on NO O₃ (✓)
- RECORD CURRENT: .011 μamps
- RUN 5 MINS on 5 μamps O₃ (✓) - then switch to NO O₃ AIR
- RECORD TIME TO DROP FROM 4 TO 1.5 μamps: 23.17 sec
- Short cell leads and Store in Styrofoam flight box: (✓)

FLIGHT PREPARATION IN LAB.

DATE (LOCAL): 2-21-15
INITIALS: CVC

- Cathode solution # or date written on bottle: 251
- CHANGE CATHODE SOLUTION (3cc): (✓)
- CHANGE ANODE SOLUTION (1.5cc): (Yes/No)
- RUN ON NO O₃ FOR 10 MINUTES: (✓)
- RECORD THE NO O₃ BACKGRND#1: BG1 = .005 μamps
- RUN ON 5 microamps of O₃ for 10 Minutes: (✓)
- SWITCH TO NO O₃ AIR
- RECORD: DECAY TIME TO DROP FROM 4 TO 1.5 μamps: 26.68 sec
- RECORD: 5 - T100 FLOWRATE TIMES:

T100 FLOWRATE TIMES:

ROOM TEMP (C): 15.2, ROOM RH (%): 24%

Flowrate Correction: 1.9 (%)

FLOWRATE #1: 30.16 sec

FLOWRATE #2: 30.25 sec

FLOWRATE #3: 30.34 sec

FLOWRATE #4: 30.14 sec

FLOWRATE #5: 30.15 sec

AVERAGE T100: 30.208 sec avg

wet	29.48	29.49	29.51	29.493
dry	28.91	29.00	28.94	28.95

DAY OF FLIGHT @ THE LAUNCH SITE.

FLIGHT NUMBER: HU905

GMT DATE (YYMMDD): _____

LOCAL DATE: _____

GMT LAUNCH TIME: _____

LOCAL TIME: _____

Operator Initials: CVC

BALLOON SIZE: 1200 Grams:

TOTEX _____ Hwoyee _____

PAWAN _____ (✓one)

PAY-OFF-WEIGHT: _____ Grams:

Burst Alt: _____ (km)

Turn/Burst: _____

O₃ sn: _____

O₃ CELL BACKGROUND (μamps): _____

O₃ Ventilation Holes:

O₃ Flowrate: _____ (sec)

O₃ Flowrate Correction: _____ (%)

Radiosonde sn: 29103 Freq: _____ (MHz)

NOAA FPH sn: _____ (if using Frost Point Hygrometer.)

SURFACE PRES: 988.9 (hPa)

SURFACE TEMP: 11.2 (C)

SURFACE RH: 67.4 (%)

Sky Conditions: Partly

REMARKS: Altitude oscillated ~3 cycles with an amplitude of ~800m