

July 2, 2014

INITIAL PREPARATION 10-14 DAYS BEFORE FLIGHT.

- DATE (LOCAL): 2/8/16
INITIALS: JL
PUMP#: 2229324
1. Run zero air 10 minutes (v)
2. PUMP CURRENT: 103.64 (mA)
3. PUMP PRESSURE: >11 (psi)
4. DMT Press/vac: 28 / 20 (in Hg)
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 # 262
11. ADD 1.5 CC ANODE SOLUTION: (v)
12. RUN 10 MINUTES on NO O₃ (v)
13. RECORD CURRENT BEFORE O₃: BG = .126 μ A
14. RUN 10 MINS on 5 μ A O₃ (v) - then switch to NO O₃ AIR.
15. RECORD: TIME TO DROP FROM 4 TO 1.5 μ A: 40.64 sec.
16. Run sonde for 10 mins on NO O₃ (v)
17. RECORD CURRENT: BG = .160 μ A
18. Short the cell leads: (v)
19. Intake tube stored in sonde frame: (v)
20. Place Sonde inside plastic bag: (v)
21. Store inside Styrofoam flight box: (v)

AFTER 1 WEEK: REPLACE SOLUTIONS: DATE (LOCAL): 2/16/16

1. RUN 5 MINS on NO O₃ (v)
2. RECORD CURRENT: .059 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: 27.21 sec
5. Short cell leads and Store in Styrofoam flight box: (v)

FLIGHT PREPARATION IN LAB.

DATE (LOCAL): 2/27/2016
INITIALS: BW

1. Cathode solution # or date written on bottle: Oct 21, 2015
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 = 0.015 μ amps
6. RUN ON 5 microamps of O₃ for 10 Minutes: (v)
7. SWITCH TO NO O₃ AIR
8. RECORD: DECAY TIME TO DROP FROM 4 TO 1.5 μ amps: 26.52 sec
9. RECORD: 5 - T100 FLOWRATE TIMES:

T100 FLOWRATE TIMES:

ROOM TEMP (C): 18.6, ROOM RH (%): 19

Flowrate Correction: 2.75 (%)
FLOWRATE #1: 30.23 sec
FLOWRATE #2: 30.24 sec
FLOWRATE #3: 30.17 sec
FLOWRATE #4: 30.22 sec
FLOWRATE #5: 30.25 sec
AVERAGE T100: 30.22 sec

	1	2	3	over
dry	28.39	28.37	28.31	28.36
wet	29.13	29.09	29.25	29.14

DAY OF FLIGHT @ THE LAUNCH SITE.

FLIGHT NUMBER: HU958
GMT DATE (YYMMDD): 160227 LOCAL DATE: 160227
GMT LAUNCH TIME: 7:00 PM LOCAL TIME: 1:00 PM

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

O₃ sn: _____ O₃ CELL BACKGROUND (μ amps): _____ O₃ Ventilation Holes: _____
O₃ Flowrate: _____ (sec) O₃ Flowrate Correction: _____ (%)

Radiosonde sn: _____ Freq: _____ (MHz)

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

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

Sky Conditions: _____

REMARKS: _____