

July 2, 2014

INITIAL PREPARATION 10-14 DAYS BEFORE FLIGHT.

- DATE (LOCAL): 8/12/15
INITIALS: DL
PUMP#: 2228737
- Run zero air 10 minutes (v)
 - PUMP CURRENT: 86.60 (mA)
 - PUMP PRESSURE: 710 (psi)
 - DMT Press/vac: 30/120 (in Hg)
 - Bypass cell (v)
 - Add 5-6cc cathode (v)
 - 30 MINUTES HI O₃ (v)
 - 3 MINUTES NO O₃ (v)
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- DUMP CATHODE RINSE: (v)
 - ADD 3.0 CC FRESH CATHODE # 258
 - ADD 1.5 CC ANODE SOLUTION: (v)
 - RUN 10 MINUTES on NO O₃ (v)
 - RECORD CURRENT BEFORE O₃: BG = 280 μ A
 - RUN 10 MINS on 5 μ A O₃ (v) - then switch to NO O₃ AIR.
 - RECORD: TIME TO DROP FROM 4 TO 1.5 μ A: 43.62 sec.
 - Run sonde for 10 mins on NO O₃ (v)
 - RECORD CURRENT: BG = 256 μ A
 - Short the cell leads: (v)
 - Intake tube stored in sonde frame: (v)
 - Place Sonde inside plastic bag: (v)
 - Store inside Styrofoam flight box: (v)

AFTER 1 WEEK: REPLACE SOLUTIONS: DATE (LOCAL): 8/19/2015

- RUN 5 MINS on NO O₃ (v)
- RECORD CURRENT: 107 μ amps
- RUN 5 MINS on 5 μ amps O₃ (v) - then switch to NO O₃ AIR
- RECORD TIME TO DROP FROM 4 TO 1.5 μ amps: 28.19 sec
- Short cell leads and Store in Styrofoam flight box: (v)

FLIGHT PREPARATION IN LAB.

DATE (LOCAL): 8/29/15

INITIALS: EW

- Cathode solution # or date written on bottle: June 2, 2015
- CHANGE CATHODE SOLUTION (3cc): (v)
- CHANGE ANODE SOLUTION (1.5cc): Yes (Yes/No)
- RUN ON NO O₃ FOR 10 MINUTES: (v)
- RECORD THE NO O₃ BACKGRND#1: BG1 = 0.043 μ amps
- RUN ON 5 microamps of O₃ for 10 Minutes: (v)
- SWITCH TO NO O₃ AIR
- RECORD: DECAY TIME TO DROP FROM 4 TO 1.5 μ amps: 23.40 sec
- RECORD: 5 - T100 FLOWRATE TIMES:

T100 FLOWRATE TIMES:

ROOM TEMP (C): 26.7, ROOM RH (%): 54

Flowrate Correction: 4.7 (%)
FLOWRATE #1: 29.09 sec
FLOWRATE #2: 29.13 sec
FLOWRATE #3: 29.09 sec
FLOWRATE #4: 29.09 sec
FLOWRATE #5: 29.00 sec

AVERAGE T100: 29.08 sec
dry 27.35 27.33 27.40 27.36 average
wet 28.43 28.70 28.81 28.65

DAY OF FLIGHT @ THE LAUNCH SITE.

FLIGHT NUMBER: HU932

GMT DATE (YYMMDD): 150828

LOCAL DATE: 150828

GMT LAUNCH TIME: 6:01 PM

LOCAL TIME: 1:01 PM

Operator Initials: DL, EW

BALLOON SIZE: 800 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: ✓ check Radiosonde Battery Voltage < 6V (~5.5V)