

July 2, 2014

FLT # HV908

INITIAL PREPARATION 10-14 DAYS BEFORE FLIGHT.

- DATE (LOCAL): 2-25-15
 INITIALS: BW
 PUMP#: 2221796
- Run zero air 10 minutes (✓)
 - PUMP CURRENT: 88.19 (mA)
 - PUMP PRESSURE: >10 (psi)
 - DMT Press/vac: 28 / 21 (in Hg)
 - Bypass cell (✓)
 - Add 5-6cc cathode (✓)
 - 30 MINUTES HI O₃ (✓)
 - 3 MINUTES NO O₃ (✓)
-
- 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 = 0.136 μ A
 - RUN 10 MINS on 5 μ A O₃ (✓) - then switch to NO O₃ AIR.
 - RECORD: TIME TO DROP FROM 4 TO 1.5 μ A: 35.51 sec.
 - Run sonde for 10 mins on NO O₃ (✓)
 - RECORD CURRENT: BG = 0.155 μ A
 - 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): 3-6-15

- RUN 5 MINS on NO O₃ (✓)
- RECORD CURRENT: 0.068 μ amps
- RUN 5 MINS on 5 μ amps O₃ (✓) - then switch to NO O₃ AIR
- RECORD TIME TO DROP FROM 4 TO 1.5 μ amps: 27.16 sec
- Short cell leads and Store in Styrofoam flight box: (✓)

FLIGHT PREPARATION IN LAB.

DATE (LOCAL): 3/14/15
INITIALS: ckc

- 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 = .039 μ amps
- RUN ON 5 microamps of O₃ for 10 Minutes: (✓)
- SWITCH TO NO O₃ AIR
- RECORD: DECAY TIME TO DROP FROM 4 TO 1.5 μ amps: 28.18 sec
- RECORD: 5 - T100 FLOWRATE TIMES:

T100 FLOWRATE TIMES:

ROOM TEMP (C): 17.4, ROOM RH (%): 58
 Flowrate Correction: 1.7 (%)

FLOWRATE #1:	<u>29.34</u>	sec
FLOWRATE #2:	<u>29.23</u>	sec
FLOWRATE #3:	<u>29.19</u>	sec
FLOWRATE #4:	<u>29.18</u>	sec
FLOWRATE #5:	<u>29.20</u>	sec
AVERAGE T100:	<u>29.228</u>	sec

wet	<u>28.66</u>	<u>28.70</u>	<u>28.63</u>	<u>28.663</u>
dry	<u>28.09</u>	<u>28.14</u>	<u>28.24</u>	<u>28.676</u>

DAY OF FLIGHT @ THE LAUNCH SITE.

FLIGHT NUMBER: HV908
 GMT DATE (YYMMDD): 3/14/15 LOCAL DATE: 3-14-15
 GMT LAUNCH TIME: 6.06 LOCAL TIME: 1.06
 Operator Initials: ckc

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

O₃ sn: 2221796 O₃ CELL BACKGROUND (μ amps): _____ O₃ Ventilation Holes: _____
 O₃ Flowrate: _____ (sec) O₃ Flowrate Correction: _____ (%)

Radiosonde sn: 22912 Freq: _____ (MHz)

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

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

Sky Conditions: _____

REMARKS: _____