

July 2, 2014

INITIAL PREPARATION 10-14 DAYS BEFORE FLIGHT.

- DATE (LOCAL): 2/23/16
INITIALS: JL
PUMP#: 2222988
- Run zero air 10 minutes (✓)
 - PUMP CURRENT: 101.92 (mA)
 - PUMP PRESSURE: >12 (psi)
 - DMT Press/vac: 30/20 (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 # 262
 - ADD 1.5 CC ANODE SOLUTION: (✓)
 - RUN 10 MINUTES on NO O₃ (✓)
 - RECORD CURRENT BEFORE O₃: BG = 0.154 μA
 - RUN 10 MINS on 5 μA O₃ (✓) - then switch to NO O₃ AIR.
 - RECORD: TIME TO DROP FROM 4 TO 1.5 μA: 36.13 sec.
 - Run sonde for 10 mins on NO O₃ (✓)
 - RECORD CURRENT: BG = 0.162 μA
 - 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): 2/23/16

- RUN 5 MINS on NO O₃ (✓)
- RECORD CURRENT: 0.077 μamps
- RUN 5 MINS on 5 μamps O₃ (✓) - then switch to NO O₃ AIR
- RECORD TIME TO DROP FROM 4 TO 1.5 μamps: 27.55 sec
- Short cell leads and Store in Styrofoam flight box: (✓)

FLIGHT PREPARATION IN LAB.

DATE (LOCAL): 3/12/16
INITIALS: MG

- Cathode solution # or date written on bottle: 262
- 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 = 0.048 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: 25.19 sec
- RECORD: 5 - T100 FLOWRATE TIMES:

T100 FLOWRATE TIMES:

ROOM TEMP (C): 22.5 ROOM RH (%): 49
Flowrate Correction: 12.72 (%)

FLOWRATE #1:	<u>29.01</u>	sec		
FLOWRATE #2:	<u>29.14</u>	sec		
FLOWRATE #3:	<u>28.96</u>	sec		
FLOWRATE #4:	<u>29.09</u>	sec		
FLOWRATE #5:	<u>29.14</u>	sec		
AVERAGE T100:	<u>29.07</u>	sec Avg		
DRY	<u>27.71</u>	<u>28.01</u>	<u>27.95</u>	<u>27.89</u>
Wet	<u>28.77</u>	<u>28.71</u>	<u>28.47</u>	<u>28.65</u>

DAY OF FLIGHT @ THE LAUNCH SITE.

FLIGHT NUMBER: HU960
GMT DATE (YYMMDD): 16/03/12
GMT LAUNCH TIME: _____

LOCAL DATE: 3/12/16
LOCAL TIME: _____

Operator Initials: NL MG

BALLOON SIZE: 12.00 Grams: _____ TOTEX _____ Hwoyee _____ PAWAN _____ (✓ one)
PAY-OFF-WEIGHT: _____ Grams: _____ Burst Alt: 35.4 (km) Turn/Burst: _____

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

Radiosonde sn: 358916 Freq: 403 (MHz)

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

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

Sky Conditions: _____

REMARKS: _____