

July 2, 2014

**INITIAL PREPARATION 10-14 DAYS BEFORE FLIGHT.**

- DATE (LOCAL): 14 JUL 16  
INITIALS: PK MB  
PUMP#: 2330977
- Run zero air 10 minutes  (✓)
  - PUMP CURRENT: 95.63 (mA)
  - PUMP PRESSURE: 78 (psi)
  - DMT Press/vac: 26 / 19 (in Hg)
  - Bypass cell  (✓)
  - Add 5-6cc cathode  (✓)
  - 30 MINUTES HI O<sub>3</sub>  (✓)
  - 3 MINUTES NO O<sub>3</sub>  (✓)
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- DUMP CATHODE RINSE:  (✓)
  - ADD 3.0 CC FRESH CATHODE # 262
  - ADD 1.5 CC ANODE SOLUTION:  (✓)
  - RUN 10 MINUTES on NO O<sub>3</sub>  (✓)
  - RECORD CURRENT BEFORE O<sub>3</sub>: BG = 0.267 μA
  - RUN 10 MINS on 5 μA O<sub>3</sub>  (✓) - then switch to NO O<sub>3</sub> AIR.
  - RECORD: TIME TO DROP FROM 4 TO 1.5 μA: 27.61 sec.
  - Run sonde for 10 mins on NO O<sub>3</sub>  (✓)
  - RECORD CURRENT: BG = 0.246 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): 28 JUL 16**

- RUN 5 MINS on NO O<sub>3</sub>  (✓)
- RECORD CURRENT: 0.163 μamps
- RUN 5 MINS on 5 μamps O<sub>3</sub>  (✓) - then switch to NO O<sub>3</sub> AIR
- RECORD TIME TO DROP FROM 4 TO 1.5 μamps: 28.14 sec
- Short cell leads and Store in Styrofoam flight box:  (✓)

**FLIGHT PREPARATION IN LAB.**

DATE (LOCAL): 23 July 2016  
INITIALS: BW

- Cathode solution # or date written on bottle: Apr 1, 2016
- CHANGE CATHODE SOLUTION (3cc):  (✓)
- CHANGE ANODE SOLUTION (1.5cc): Yes (Yes/No)
- RUN ON NO O<sub>3</sub> FOR 10 MINUTES:  (✓)
- RECORD THE NO O<sub>3</sub> BACKGRND#1: BG1 = 0.018 μamps
- RUN ON 5 microamps of O<sub>3</sub> for 10 Minutes:  (✓)
- SWITCH TO NO O<sub>3</sub> AIR
- RECORD: DECAY TIME TO DROP FROM 4 TO 1.5 μamps: 20.18 sec
- RECORD: 5 - T100 FLOWRATE TIMES:

T100 FLOWRATE TIMES:

ROOM TEMP (C): 26.1, ROOM RH (%): 44

Flowrate Correction: 1.5 (%)  
FLOWRATE #1: 28.24 sec  
FLOWRATE #2: 28.33 sec  
FLOWRATE #3: 28.21 sec  
FLOWRATE #4: 28.21 sec  
FLOWRATE #5: 28.23 sec

AVERAGE T100: 28.24 sec

	1	2	3	average
dry	29.59	29.75	29.83	29.72
wet	30.20	30.15	30.15	30.17

**DAY OF FLIGHT @ THE LAUNCH SITE.**

FLIGHT NUMBER: HV979

GMT DATE (YYMMDD): 160723

LOCAL DATE: 160723

GMT LAUNCH TIME: \_\_\_\_\_

LOCAL TIME: 12:54 PM

Operator Initials: BW

BALLOON SIZE: 1200 Grams:

TOTEX \_\_\_\_\_ Hwoyee \_\_\_\_\_

PAWAN \_\_\_\_\_ (✓ one)

PAY-OFF-WEIGHT: \_\_\_\_\_ Grams:

Burst Alt: \_\_\_\_\_ (km)

Turn/Burst: \_\_\_\_\_

O<sub>3</sub> sn: \_\_\_\_\_

O<sub>3</sub> CELL BACKGROUND (μamps): \_\_\_\_\_

O<sub>3</sub> Ventilation Holes: \_\_\_\_\_

O<sub>3</sub> Flowrate: \_\_\_\_\_ (sec)

O<sub>3</sub> 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: \_\_\_\_\_