

July 2, 2014

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

- DATE (LOCAL): 3/4/16  
INITIALS: MG  
PUMP#: 2729322
- Run zero air 10 minutes  (✓)
  - PUMP CURRENT: 98.47 (mA)
  - PUMP PRESSURE: >1 (psi)
  - DMT Press/vac: 28 119 (in Hg)
  - Bypass cell  (✓)
  - Add 5-6cc cathode  (✓)
  - 30 MINUTES HI O<sub>3</sub>  (✓)
  - 3 MINUTES NO O<sub>3</sub>  (✓)
  - DUMP CATHODE RINSE:  (✓)
  - ADD 3.0 CC FRESH CATHODE # 2622
  - ADD 1.5 CC ANODE SOLUTION:  (✓)
  - RUN 10 MINUTES on NO O<sub>3</sub>  (✓)
  - RECORD CURRENT BEFORE O<sub>3</sub>: BG = .193 μA
  - RUN 10 MINS on 5 μA O<sub>3</sub> 1/ (✓) - then switch to NO O<sub>3</sub> AIR.
  - RECORD: TIME TO DROP FROM 4 TO 1.5 μA: 45.08 sec.
  - Run sonde for 10 mins on NO O<sub>3</sub>  (✓)
  - RECORD CURRENT: BG = .226 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): 3/11/16**

- RUN 5 MINS on NO O<sub>3</sub>  (✓)
- RECORD CURRENT: .005 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: 26 sec
- Short cell leads and Store in Styrofoam flight box:  (✓)

**FLIGHT PREPARATION IN LAB.**

DATE (LOCAL): 3/19/16  
INITIALS: MG ML

- Cathode solution # or date written on bottle: 262
- 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 = .0033 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: 24.33 sec
- RECORD: 5 - T100 FLOWRATE TIMES:

T100 FLOWRATE TIMES:

ROOM TEMP (C): 22.9, ROOM RH (%): 27

Flowrate Correction: 2.05 (%)

FLOWRATE #1: 30.14 sec

FLOWRATE #2: 29.99 sec

FLOWRATE #3: 30.04 sec

FLOWRATE #4: 30.04 sec

FLOWRATE #5: 30.08 sec

AVERAGE T100: 30.06 sec

	DRY	27.87	27.87	27.97	27.9
	WET	28.41	28.4	28.51	28.44
		1	2	3	AVG

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

FLIGHT NUMBER: \_\_\_\_\_

GMT DATE (YYMMDD): 16/03/19

LOCAL DATE: 3/19/16

GMT LAUNCH TIME: 1:16 PM

LOCAL TIME: \_\_\_\_\_

Operator Initials: MG ML

BALLOON SIZE: 10 Grams:

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

PAWAN \_\_\_\_\_ (✓ one)

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

Burst Alt: 30.2 (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: 35827 Freq: 403 (MHz)

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

SURFACE PRES: \_\_\_\_\_ (hPa)

SURFACE TEMP: \_\_\_\_\_ (C)

SURFACE RH: \_\_\_\_\_ (%)

Sky Conditions: \_\_\_\_\_

REMARKS: \_\_\_\_\_