

July 2, 2014

NOAA Earth System Laboratory
DIGITAL OZONESO

INITIAL PREPARATION 10-14 DAYS BEFORE FLIGHT.

- DATE (LOCAL): 9-17-2015
 INITIALS: ML
 PUMP#: 2228734
- Run zero air 10 minutes (✓)
 - PUMP CURRENT: 95.78 (mA)
 - PUMP PRESSURE: >11 (psi)
 - DMT Press/vac: 27 / 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 # 258
 - ADD 1.5 CC ANODE SOLUTION: (✓)
 - RUN 10 MINUTES on NO O₃ (✓)
 - RECORD CURRENT BEFORE O₃: BG = .215 μA
 - RUN 10 MINS on 5 μA O₃ (✓) - then switch to NO O₃ AIR.
 - RECORD: TIME TO DROP FROM 4 TO 1.5 μA: 45.37 sec.
 - Run sonde for 10 mins on NO O₃ (✓)
 - RECORD CURRENT: BG = .237 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): 9-24-15
- RUN 5 MINS on NO O₃ (✓)
 - RECORD CURRENT: .110 μamps
 - RUN 5 MINS on 5 μamps O₃ (✓) - then switch to NO O₃ AIR
 - RECORD TIME TO DROP FROM 4 TO 1.5 μamps: 27.59 sec
 - Short cell leads and Store in Styrofoam flight box: (✓)

FLIGHT PREPARATION IN LAB.

- DATE (LOCAL): 10/3/15
 INITIALS: _____
- Cathode solution # or date written on bottle: 261
 - CHANGE CATHODE SOLUTION (3cc): (✓)
 - CHANGE ANODE SOLUTION (1.5cc): Yes (Yes/No)
 - RUN ON NO O₃ FOR 10 MINUTES: (✓)
 - RECORD THE NO O₃ BACKGRND#1: BG1 = .054 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: 29 sec
 - RECORD: 5 - T100 FLOWRATE TIMES:

T100 FLOWRATE TIMES:

ROOM TEMP (C): 19.4, ROOM RH (%): 46

Flowrate Correction: 2.02 (%)

FLOWRATE #1: 29.57 sec

FLOWRATE #2: 29.64 sec

FLOWRATE #3: 29.57 sec

FLOWRATE #4: 29.53 sec

FLOWRATE #5: 29.50 sec

AVERAGE T100: 29.562 sec Avg

	28.11	28.10	28.10	28.103
Dry				
wet	28.82	28.65	28.54	28.67

DAY OF FLIGHT @ THE LAUNCH SITE.

FLIGHT NUMBER: H4937
 GMT DATE (YYMMDD): 10/3/2015 LOCAL DATE: 10/3/2015
 GMT LAUNCH TIME: 1800 LOCAL TIME: 1300
 Operator Initials: _____
 BALLOON SIZE: 1200 Grams: TOTEX _____ Hwoyee _____ PAWAN _____ (✓ one)
 PAY-OFF-WEIGHT: _____ Grams: Burst Alt: 327 (km) Turn/Burst: _____

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

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

SURFACE PRES: 984.10 (hPa)
 SURFACE TEMP: 19.3 (C)
 SURFACE RH: 83.3 (%)

Sky Conditions: _____

REMARKS: _____