

July 2, 2014

INITIAL PREPARATION 10-14 DAYS BEFORE FLIGHT.

- DATE (LOCAL): 7/9/15
INITIALS: CLC
PUMP#: 2227862
- Run zero air 10 minutes (✓)
 - PUMP CURRENT: 108.11 (mA)
 - PUMP PRESSURE: 210 (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 # 258
 - ADD 1.5 CC ANODE SOLUTION: (✓)
 - RUN 10 MINUTES on NO O₃ (✓)
 - RECORD CURRENT BEFORE O₃: BG = 214 μA
 - RUN 10 MINS on 5 μA O₃ (✓) - then switch to NO O₃ AIR.
 - RECORD: TIME TO DROP FROM 4 TO 1.5 μA: 43.94 sec.
 - Run sonde for 10 mins on NO O₃ (✓)
 - RECORD CURRENT: BG = 238 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): 7/15/2015

- RUN 5 MINS on NO O₃ (✓)
- RECORD CURRENT: 0.087 μamps
- RUN 5 MINS on 5 μamps O₃ (✓) - then switch to NO O₃ AIR
- RECORD TIME TO DROP FROM 4 TO 1.5 μamps: 27.08 sec
- Short cell leads and Store in Styrofoam flight box: (✓)

FLIGHT PREPARATION IN LAB.

DATE (LOCAL): 7/25/15
INITIALS: KL

- Cathode solution # or date written on bottle: 258
- 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 = 259 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: 22.07 sec
- RECORD: 5 - T100 FLOWRATE TIMES:

T100 FLOWRATE TIMES:

ROOM TEMP (C): 26.1, ROOM RH (%): 57
Flowrate Correction: 1.16 (%)
FLOWRATE #1: 30.23 sec
FLOWRATE #2: 30.22 sec
FLOWRATE #3: 30.13 sec
FLOWRATE #4: 30.10 sec
FLOWRATE #5: 30.16 sec

AVERAGE T100: 30.17 sec

	1	2	3	Average
dry	28.44	28.40	28.49	28.44
wet	28.61	28.81	28.99	28.77

DAY OF FLIGHT @ THE LAUNCH SITE.

FLIGHT NUMBER: H0927
GMT DATE (YYMMDD): 7/25/15 LOCAL DATE: 7/25/15
GMT LAUNCH TIME: 6:00 LOCAL TIME: 1:00

Operator Initials: _____
BALLOON SIZE: 1000 Grams: TOTEX _____ Hwoyee _____ PAWAN _____ (✓ one)
PAY-OFF-WEIGHT: _____ Grams: Burst Alt: _____ (km) Turn/Burst: _____

O₃ sn: 2227862 O₃ CELL BACKGROUND (μamps): 259 O₃ Ventilation Holes: 4
O₃ Flowrate: 30.17 (sec) O₃ Flowrate Correction: 1.16 (%)

Radiosonde sn: _____ Freq: 403 (MHz)

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

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

Sky Conditions: _____

REMARKS: _____

