

July 2, 2014

INITIAL PREPARATION 10-14 DAYS BEFORE FLIGHT.

DATE (LOCAL): 4/20/16
INITIALS: MG
PUMP#: 2230797

1. Run zero air 10 minutes (✓)
2. PUMP CURRENT: 88.25 (mA)
3. PUMP PRESSURE: 74 (psi)
4. DMT Press/vac: 271.29 (in Hg)

5. Bypass cell (✓)
6. Add 5-6cc cathode (✓)
7. 30 MINUTES HI O₃ (✓)
8. 3 MINUTES NO O₃ (✓)

9. DUMP CATHODE RINSE: (✓)
10. ADD 3.0 CC FRESH CATHODE # 262
11. ADD 1.5 CC ANODE SOLUTION: (✓)
12. RUN 10 MINUTES on NO O₃ (✓)
13. RECORD CURRENT BEFORE O₃: BG = 0.282 μ A
14. RUN 10 MINS on 5 μ A O₃ (✓) - then switch to NO O₃ AIR.
15. RECORD: TIME TO DROP FROM 4 TO 1.5 μ A: 44.27 sec.
16. Run sonde for 10 mins on NO O₃ (✓)
17. RECORD CURRENT: BG = 0.245 μ A
18. Short the cell leads: (✓)
19. Intake tube stored in sonde frame: (✓)
20. Place Sonde inside plastic bag: (✓)
21. Store inside Styrofoam flight box: (✓)

AFTER 1 WEEK: REPLACE SOLUTIONS: DATE (LOCAL): 4/27/16

1. RUN 5 MINS on NO O₃ (✓)
2. RECORD CURRENT: 0.177 μ amps
3. RUN 5 MINS on 5 μ amps O₃ (✓) - then switch to NO O₃ AIR
4. RECORD TIME TO DROP FROM 4 TO 1.5 μ amps: 27.75 sec
5. Short cell leads and Store in Styrofoam flight box: (✓)

FLIGHT PREPARATION IN LAB.

DATE (LOCAL): 5/7/16
INITIALS: BW

T100 FLOWRATE TIMES:

ROOM TEMP (C): 22.7, ROOM RH (%): 33

1. Cathode solution # or date written on bottle: C: Oct 21, 2015 A: Apr 1, 2016
2. CHANGE CATHODE SOLUTION (3cc): (✓)
3. CHANGE ANODE SOLUTION (1.5cc): Yes (Yes/No)
4. RUN ON NO O₃ FOR 10 MINUTES: (✓)
5. RECORD THE NO O₃ BACKGRND#1: BG1 = 0.039 μ amps
6. RUN ON 5 microamps of O₃ for 10 Minutes: (✓)
7. SWITCH TO NO O₃ AIR
8. RECORD: DECAY TIME TO DROP FROM 4 TO 1.5 μ amps: 24.09 sec
9. RECORD: 5 - T100 FLOWRATE TIMES:

	1	2	3	average
FLOWRATE #1:	<u>27.83</u> sec	<u>27.95</u> sec	<u>27.85</u> sec	<u>28.84</u>
FLOWRATE #2:	<u>27.95</u> sec	<u>27.85</u> sec	<u>27.73</u> sec	<u>28.85</u>
FLOWRATE #3:	<u>27.85</u> sec	<u>27.73</u> sec	<u>27.80</u> sec	<u>28.96</u>
FLOWRATE #4:	<u>27.73</u> sec	<u>27.80</u> sec	<u>27.83</u> sec	<u>28.97</u>
FLOWRATE #5:	<u>27.80</u> sec	<u>27.83</u> sec	<u>27.83</u> sec	<u>28.89</u>
AVERAGE T100:	<u>27.83</u> sec	<u>27.83</u> sec	<u>27.83</u> sec	<u>28.90</u>
dry	<u>27.83</u>	<u>27.95</u>	<u>27.85</u>	<u>27.88</u>
wet	<u>28.32</u>	<u>28.21</u>	<u>28.31</u>	<u>28.3</u>

DAY OF FLIGHT @ THE LAUNCH SITE.

FLIGHT NUMBER: HU968

GMT DATE (YYMMDD): 160507

GMT LAUNCH TIME: _____

LOCAL DATE: 160507

LOCAL TIME: 1:06 PM

Operator Initials: BW, PT

BALLOON SIZE: 1200 Grams:

TOTEX Hwoyee

PAWAN (✓ one)

PAY-OFF-WEIGHT: _____ Grams:

Burst Alt: 33.7 (km)

Turn/Burst: _____

O₃ sn: _____ O₃ CELL BACKGROUND (μ amps): _____ O₃ Ventilation Holes: _____

O₃ Flowrate: _____ (sec) O₃ 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: _____