

INITIAL PREPARATION 10-14 DAYS BEFORE FLIGHT.

- DATE (LOCAL): 4/15/2014
 INITIALS: WTC
 PUMP# (add x,y,z,R): 2824664
- Run zero air 10 minutes (✓)
 - PUMP CURRENT: 106.05
 - PUMP PRESSURE: 711
 - ENSCI Press/vac: 28/19 in.Hg.
 - Bypass cell (✓)
 - Add 5-6cc cathode (✓)
 - 30 MINUTES HI O₃ (✓)
 - 3 MINUTES NO O₃ (✓)
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- DUMP CATHODE RINSE: (✓)
 - ADD 3.0 CC FRESH CATHODE # (✓)
 - ADD 1.5 CC ANODE SOLUTION: (✓)
 - RUN 10 MINUTES on NO O₃ (✓)
 - RECORD CURRENT: BG = 0.206 μ amps
 - RUN 10 MINUTES on 5 μ amps O₃ (✓) - then switch to NO O₃ AIR.
 - RECORD: TIME TO DROP FROM 4 TO 1.5 μ amps: 38.93 sec.
 - Run sonde for 10 minutes on NO O₃ AIR (✓)
 - Short the cell leads: (✓)
 - Intake tube stored in sonde frame: (✓)
 - Place Instrument inside plastic bag: (✓)
 - Store inside Styrofoam flight box: (✓)

AFTER 1 WEEK: REPLACE SOLUTIONS: DATE (LOCAL): 4/23/2014

- RUN 5 MINS on NO O₃ (✓)
- RECORD CURRENT: 0.048 μ amps
- RUN 5 MINS on 5 μ amps O₃ (✓) - then switch to NO O₃ AIR
- RECORD TIME TO DROP FROM 4 TO 1.5 μ amps: 24.89 sec
- Short cell leads and Store in Styrofoam flight box: (✓)

FLIGHT PREPARATION IN LAB. (Under 24 hours to launch)

DATE (LOCAL): 4/26/2014
INITIALS: WTC

T100 FLOWRATE TIMES:

ROOM TEMP (C): 23, ROOM RH (%): 33

Flowrate Correction: 1.84 (%)

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|---------------|------------------|--------------|
| FLOWRATE #1: | <u>29.88</u> sec | <u>Day</u> |
| FLOWRATE #2: | <u>29.85</u> sec | <u>28.64</u> |
| FLOWRATE #3: | <u>29.59</u> sec | <u>28.68</u> |
| FLOWRATE #4: | <u>29.74</u> sec | <u>28.66</u> |
| FLOWRATE #5: | <u>29.81</u> sec | <u>28.67</u> |
| AVERAGE T100: | <u>29.76</u> sec | <u>29.17</u> |
| | | <u>29.27</u> |
| | | <u>29.17</u> |
| | | <u>29.20</u> |

- Cathode solution # or date written on bottle: 239
- CHANGE CATHODE SOLUTION (3cc): (✓)
- CHANGE ANODE SOLUTION (1.5cc): (Yes/No)
- RUN ON NO O₃ FOR 10 MINUTES: (✓)
- RECORD THE NO O₃ BACKGRND#1: BG1= 0.035 μ amps
- RUN ON 5 microamps of O₃ for 10 Minutes: (✓)
- SWITCH TO NO O₃ AIR.
- RECORD: THE TIME TO DROP FROM 4 TO 1.5 μ amps: 24.35 sec
- RECORD: 5 - T100 FLOWRATE TIMES:

DAY OF FLIGHT @ THE LAUNCH SITE.

Results: O₃ Sonde TCO extrap: _____ (DU)
O₃ Sonde TCO SBUV: _____ (DU)

FLIGHT NUMBER: H4862
GMT DATE (YYMMDD): 140426 LOCAL DATE: 140426
GMT LAUNCH TIME: 18:03 LOCAL TIME: 13:03
Operator Initials: WTC

BALLOON SIZE: 1200 Grams: TOTEX _____ Hwoyee PAWAN _____ (✓ one)
PAY-OFF-WEIGHT: 2600 Grams: Burst Alt: _____ (km) Turn/Burst: _____

O₃ sn: 2224664 O₃ CELL BACKGROUND (μ amps): 0.035 O₃ Ventilation Holes: (Y/N) Y
O₃ Flowrate: 29.76 (sec) O₃ Flowrate Correction: 1.84 (%)

Radiosonde #: ● Freq: 403 (MHz) If Vais RS-80, Pressure offset written on bag: _____ (hPa)
NOAA FPH sn: _____
Other instruments: _____

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

Sky Conditions: _____
REMARKS: _____