

March 2014 NEW

INITIAL PREPARATION 10-14 DAYS BEFORE FLIGHT.

- DATE (LOCAL): 6/19/14
INITIALS: CLC
PUMP# (add x,y,z,R): ZE 26393
- Run zero air 10 minutes (✓)
 - PUMP CURRENT: 94.20
 - PUMP PRESSURE: >16
 - ENSCI Press/vac: 25/21
 - 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 # 239
 - ADD 1.5 CC ANODE SOLUTION: (✓)
 - RUN 10 MINUTES on NO O₃ (✓)
 - RECORD CURRENT: **BG** = 0.181 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: 36.14 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): 6-26-14

- RUN 5 MINS on NO O₃ (✓)
- RECORD CURRENT: 0.71 μ amps
.041
- 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: 23.51 sec
- Short cell leads and Store in Styrofoam flight box: (✓)

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

DATE (LOCAL): 7/5/2014
INITIALS: CLC

- 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**=0.017 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: 22.43 sec
- RECORD: 5 - T100 FLOWRATE TIMES:

T100 FLOWRATE TIMES:

ROOM TEMP (C): 24.1, ROOM RH (%): 34
Flowrate Correction: 1.7 (%)

FLOWRATE #1: 29.52 sec
FLOWRATE #2: 29.55 sec
FLOWRATE #3: 29.63 sec
FLOWRATE #4: 29.63 sec
FLOWRATE #5: 29.59 sec

AVERAGE T100: 29.584 sec

Dry	27.31	27.31	27.21	27.2967
Wet	27.66	27.75	27.81	27.76

DAY OF FLIGHT @ THE LAUNCH SITE.

Results: O₃ Sonde TCO extrap: _____ (DU)

FLIGHT NUMBER: HU873

GMT DATE (YYMMDD): 7/5/14 LOCAL DATE: 7/5/14
GMT LAUNCH TIME: 6:00 LOCAL TIME: 6:00

Operator Initials: _____

BALLOON SIZE: 800 Grams: TOTEX _____ Hwoyee PAWAN _____ (✓ one)
PAY-OFF-WEIGHT: _____ Grams: Burst Alt: _____ (km) Turn/Burst: _____

O₃ sn: ZE 26393 29.584 O₃ CELL BACKGROUND (μ amps): _____ O₃ Ventilation Holes: (Y/N) _____
O₃ Flowrate: 26436 (sec) O₃ Flowrate Correction: _____ (%)

Radiosonde #: 26436 Freq: 403 (MHZ) If Vais RS-80, Pressure offset written on bag: _____ (hPa)

NOAA FPH sn: _____
Other instruments: _____

SURFACE PRES: 991.7 (hPa) mb
SURFACE TEMP: _____ (C)
SURFACE RH: _____ (%)

Sky Conditions: _____

REMARKS: Radiosonde couldn't tell altitude, possibly pressure.