

INITIAL PREPARATION 10-14 DAYS BEFORE FLIGHT.

- DATE (LOCAL): 3/15/2014
 INITIALS: NP
 PUMP# (add x,y,z,R): 2224672
- Run zero air 10 minutes (v)
 - PUMP CURRENT: ✓
 - PUMP PRESSURE: 710
 - ENSCI Press/vac: 29/20 inHg
 - Bypass cell (v)
 - Add 5-6cc cathode (v)
 - 30 MINUTES HI O₃ (v)
 - 3 MINUTES NO O₃ (v)
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- DUMP CATHODE RINSE: (v)
 - ADD 3.0 CC FRESH CATHODE # 239
 - ADD 1.5 CC ANODE SOLUTION: (v)
 - RUN 10 MINUTES on NO O₃ (v)
 - RECORD CURRENT: BG = 0.294 μamps
 - RUN 10 MINUTES on 5 μamps O₃ (v) - then switch to NO O₃ AIR.
 - RECORD: TIME TO DROP FROM 4 TO 1.5 μamps: 46.18 sec.
 - Run sonde for 10 minutes on NO O₃ AIR (v)
 - Short the cell leads: (v)
 - Intake tube stored in sonde frame: (v)
 - Place Instrument inside plastic bag: (v)
 - Store inside Styrofoam flight box: (v)

AFTER 1 WEEK: REPLACE SOLUTIONS: DATE (LOCAL): 3/22/2014

- RUN 5 MINS on NO O₃ (v)
- RECORD CURRENT: 0.163 μamps
- RUN 5 MINS on 5 μamps O₃ (v) - then switch to NO O₃ AIR
- RECORD TIME TO DROP FROM 4 TO 1.5 μamps: 27.09 sec
- Short cell leads and Store in Styrofoam flight box: (v)

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

DATE (LOCAL): 3/29/2014
INITIALS: WTR

T100 FLOWRATE TIMES:

ROOM TEMP (C): 22, ROOM RH (%): 40
Flowrate Correction: 2.07 (%)

- Cathode solution # or date written on bottle: 239
- CHANGE CATHODE SOLUTION (3cc): (v)
- CHANGE ANODE SOLUTION (1.5cc): (Yes/No)
- RUN ON NO O₃ FOR 10 MINUTES: (v)
- RECORD THE NO O₃ BACKGRND#1: BG1 = 0.059 μamps
- RUN ON 5 microamps of O₃ for 10 Minutes: (v)
- SWITCH TO NO O₃ AIR.
- RECORD: THE TIME TO DROP FROM 4 TO 1.5 μamps: 25.32 sec
- RECORD: 5 - T100 FLOWRATE TIMES:

Flowrate	Time (sec)	Notes
FLOWRATE #1:	<u>27.97</u>	29.00
FLOWRATE #2:	<u>27.79</u>	29.98
FLOWRATE #3:	<u>27.82</u>	28.91
FLOWRATE #4:	<u>27.77</u>	29.96
FLOWRATE #5:	<u>27.85</u>	
AVERAGE T100:	<u>27.84</u>	29.61
		29.52
		29.56
		29.56

DAY OF FLIGHT @ THE LAUNCH SITE.

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

FLIGHT NUMBER: HU859
GMT DATE (YYMMDD): 140329 LOCAL DATE: 140329
GMT LAUNCH TIME: 17:54 LOCAL TIME: 12:56
Operator Initials: WTR

BALLOON SIZE: 1000 Grams: TOTEX _____ Hwoyee PAWAN _____ (√ one)
PAY-OFF-WEIGHT: 1700 Grams: Burst Alt: _____ (km) Turn/Burst: _____

O₃ sn: 2224672 O₃ CELL BACKGROUND (μamps): 0.059 O₃ Ventilation Holes: (Y/N) No
O₃ Flowrate: 27.84 (sec) O₃ Flowrate Correction: 2.07 (%)
Radiosonde #: 25250 Freq: 403 (MHz) If Vais RS-80, Pressure offset written on bag: _____ (hPa)
NOAA FPH sn: _____
Other instruments: _____

SURFACE PRES: 988 (hPa)
SURFACE TEMP: 11.5 (C)
SURFACE RH: 75 (%)

Sky Conditions: _____

REMARKS: _____