

# TMAX-ECC-SnowWhite SONDE CHECK SHEET

(Ver. 2.0; by MF)

[A0-1] Radiosonde S/N : \_\_\_\_\_ Soldering : \_\_ Parameters' File : \_\_ → Confirm 3 times : \_\_

[A0-2] Snow White S/N : \_\_\_\_\_ Soldering : \_\_ ; TMAX set-up : \_\_

## ADVANCE PREPARATION of ECC

DATE/TIME : \_\_\_\_\_ / \_\_\_\_\_ INVESTIGATOR : \_\_\_\_\_

Room Temperature : \_\_\_\_\_ °C Humidity : \_\_\_\_\_ % Pressure : \_\_\_\_\_ hPa

### [A1-2] OZONESONDE MANUFACTURE INFORMATION

ECC Sonde S/N : \_\_\_\_\_ Pump Current (mA) : \_\_\_\_\_

Date Manufactured : \_\_\_\_\_ Press.-Vac. (in Hg) : \_\_\_\_\_

Pump Volts (d.c.) : \_\_\_\_\_ Air Flow (s/100ml) : \_\_\_\_\_

[A2-2] Pump Voltage/Current : \_\_\_\_\_ V / \_\_\_\_\_ mA

[A2-3] Pump's Pressure : \_\_\_\_\_ kPa [A2-4] Pump's Vacuum : \_\_\_\_\_ kPa

[A3] High Ozone Conditioning (30 min.) : \_\_ [A4-1] Cathode : \_\_ [A4-2] Anode : \_\_

[A5-1] Sensor Background Current ( $< 0.5 \mu A$ ) : \_\_\_\_\_  $\mu A$

[A5-2] Sensor Response Time ( $5 \mu A$ , 10 min.; Time From  $4 \mu A$  to  $1.5 \mu A$ ) : \_\_\_\_\_ sec

Additional 3 ml Cathode Solution : \_\_

Remarks : \_\_\_\_\_

## PREPARATION ON THE DAY OF RELEASE

DATE/TIME : \_\_\_\_\_ / \_\_\_\_\_ INVESTIGATOR : \_\_\_\_\_

Room Temperature : \_\_\_\_\_ °C Humidity : \_\_\_\_\_ % Pressure : \_\_\_\_\_ hPa

[B1-1] Cathode : \_\_ [B1-2] Anode : \_\_

[B2-2] Sensor Background Current ( $< 0.5 \mu A$ ) : \_\_\_\_\_  $\mu A$

[B2-3] Sensor Response Time : ( $5 \mu A$ , 10 min.; Time From  $4 \mu A$  to  $1.5 \mu A$ ) : \_\_\_\_\_ sec

[B2-4] Pump Flow Rate (sec/100ml) : Room Temperature: \_\_\_\_\_ °C Humidity : \_\_\_\_\_ %

#1: \_\_\_\_\_ sec #2: \_\_\_\_\_ sec #3: \_\_\_\_\_ sec #4: \_\_\_\_\_ sec #5: \_\_\_\_\_ sec Average: \_\_\_\_\_ sec

[B3] Connecting Radiosonde and SnowWhite to TMAX-ECC : \_\_ [B4] Starting "STRATO" : \_\_

[B4-1] Frequency : \_\_\_\_\_ MHz

[B4-2] Radiosonde S/N : \_\_\_\_\_ [B4-2'] Snow White S/N : \_\_\_\_\_

[B4-3] Sensor Background Current ( $< 0.1 \mu A$ ) : \_\_\_\_\_  $\mu A$  \_\_\_\_\_ hex

[B5-1] Setting the Ozonesonde Flight Box : \_\_

[B5-2] Surface Ozone Measurement : \_\_\_\_\_ ppbv DASIBI's Result : \_\_\_\_\_ ppbv