

Additional file 1

The GAs Extraction and Analyses system (GAEA) for immediate extraction and measurements of volatiles in the Hayabusa2 sample container

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Fig. S1 Design draws of gas bottles. **a** gas bottle at normal temperature and **b** gas bottle for cold-trap. The former bottle and pipet have the volume of 750 and 40 cm³, and the latter bottle have 50 and 15cm³, respectively.

Fig. S2 Photographs of the GAEA set at the ISAS/JAXA (Sagamihara) and the QLF (Woomera).

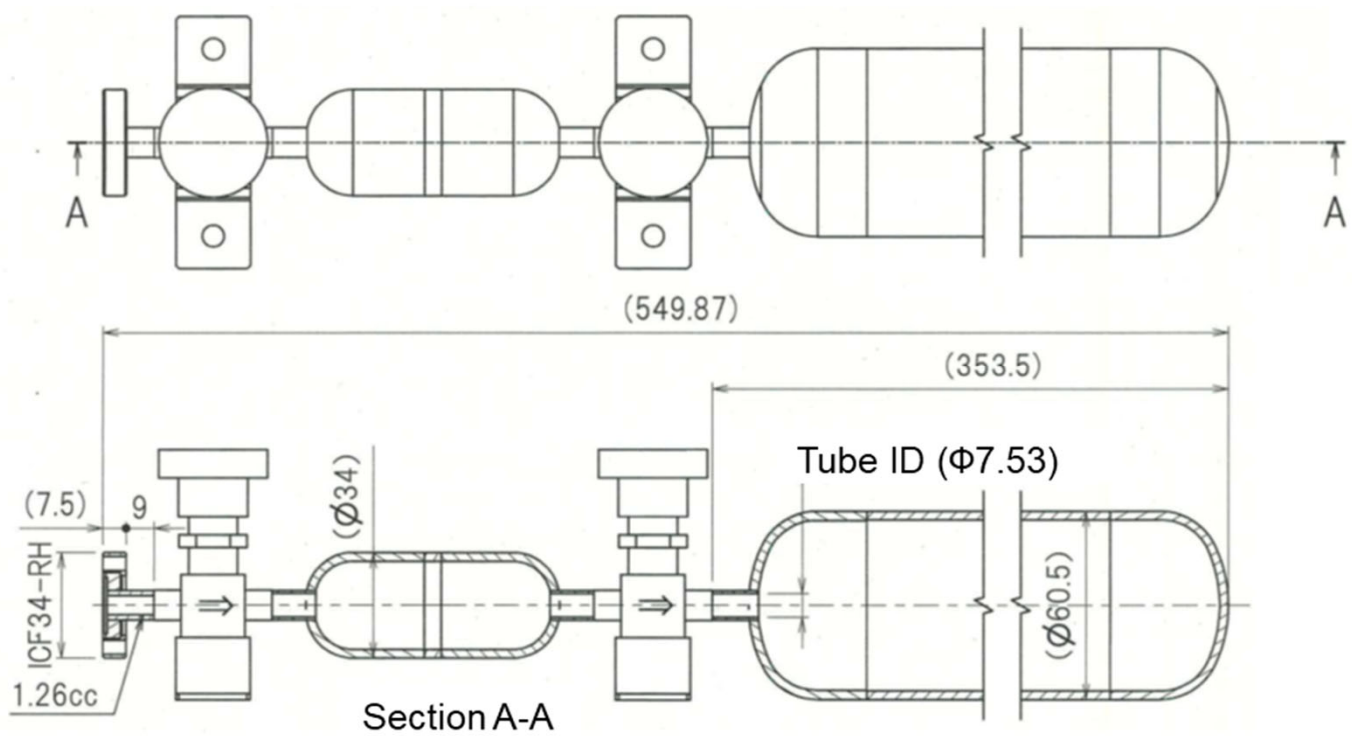


Fig. S1a

Design draw of the gas bottle at normal temperature (NT #1 - #6) . The volumes of the bottle and pipet are 750 and 40 cm³, respectively.

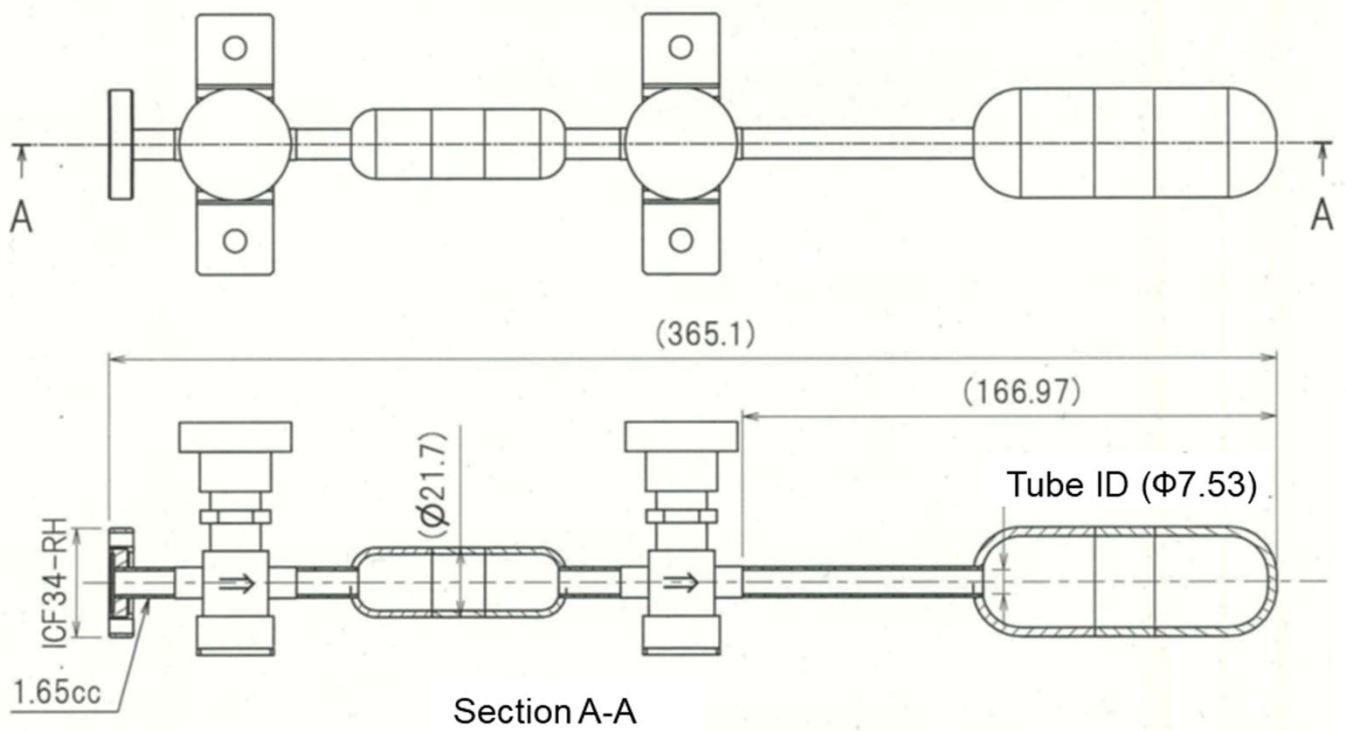


Fig. S1b

Design draw of the gas bottle for cold-trap (CR #1 - #3). The volumes of the bottle and pipet are 50 and 15 cm³, respectively.

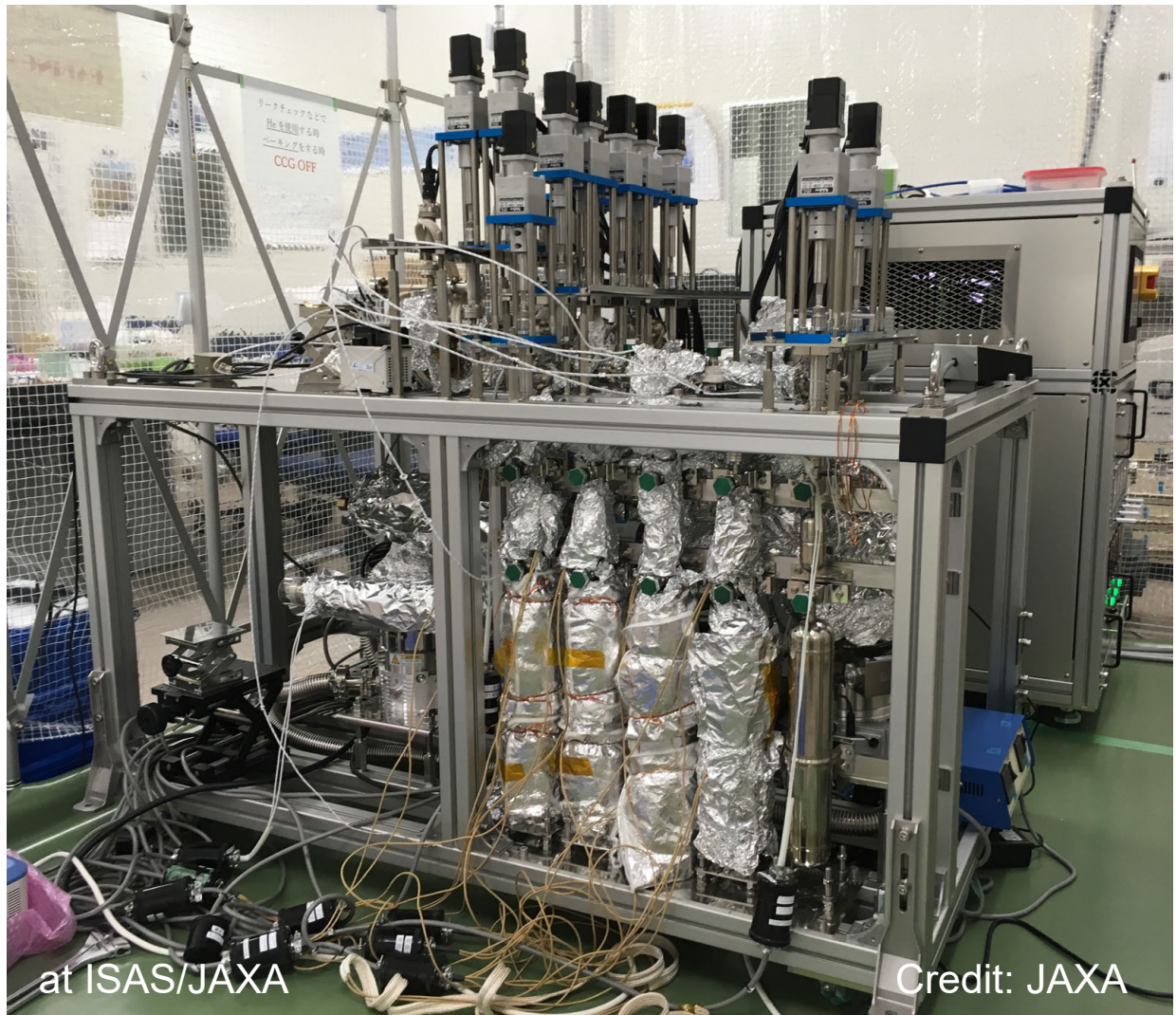


Fig. S2

Photographs of the GAEA set at the ISAS/JAXA (Sagamihara) and the QLF (Woomera).

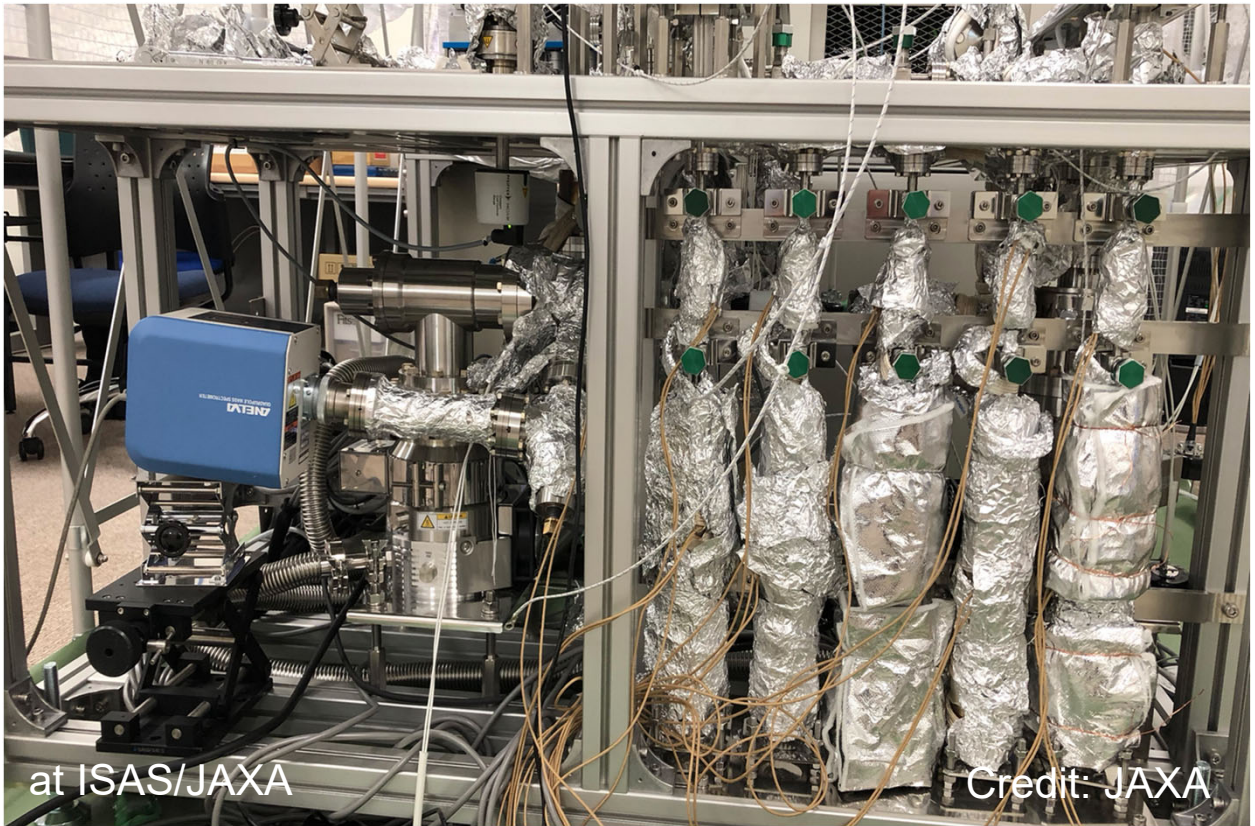


Fig. S2 (continued).



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