

## Sample Results Summary Sheet

Please return this form to the Curator for each allocated Sample

**Sample ID:** RA-QD02-0120

**PI:** Motoo ITO

**Type and date of analysis performed:**

H, C and N isotope analysis by NanoSIMS ion imaging (2012-2013).

**Elements or phases identified:** (Mg, Si, olivine, pyroxene, aromatic carbon, etc.)

This sample shows terrestrial isotopic ratios of H, C and N within analytical errors.

**Contaminant phases identified:** (Al, SUS, carbon particles, etc.)

N/A

**Sample handling:**

Pressed on Au plate (3mm diameter and 0.3mm thick) by Sapphire glass at JAXA curation facility.

**State of sample pre-analysis:**

On Au plate together with terrestrial organic isotopic standards (BBOT, 1-Hydroxybenzotriazole hydrate)

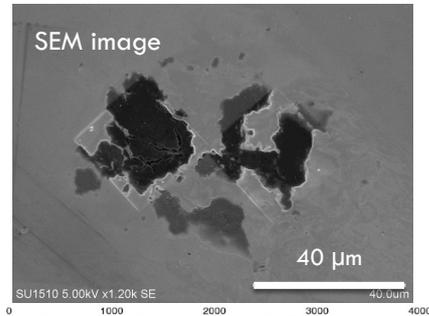
**State of sample post-analysis:**

Partially damaged by Cs ion beam during NanoSIMS analysis

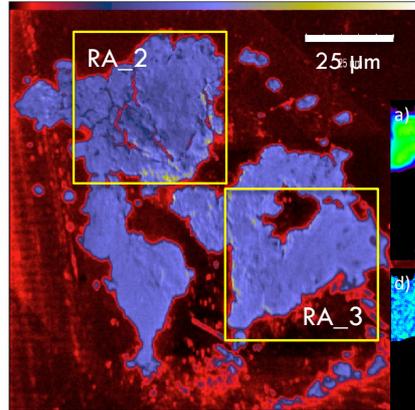
**Analysis data Notes:** (summary of the attached analysis data and/or images)

Analytical conditions are described in Ito et al. (2004) *Earth, Planets and Space* 2014, **66**:91

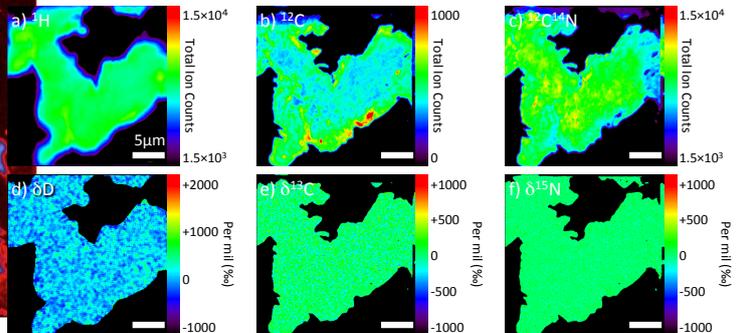
## Example: RA-QD02-0120



	$\delta^{13}\text{C}$ (per mil)	$\delta^{15}\text{N}$ (per mil)	$\delta\text{D}$ (per mil)
RA_2	-19 ± 8	2 ± 2	81 ± 54
RA_3	-6 ± 8	0 ± 2	29 ± 47



Entire image ( $^{12}\text{C}$   $^{14}\text{N}$ )



# H and C isotope diagram for Category 3 samples

