

From: "Messenger, Scott R. (JSC-KR)" <scott.r.messenger@nasa.gov>
Subject: RE: c2115,24,22,1
Date: May 31, 2006 9:24:52 AM PDT
To: "andrew westphal" <westphal@ssl.berkeley.edu>
Cc: "Ito, Motoo (JSC-KR)[ORAU]" <motoo.ito-1@nasa.gov>, "Zolensky, Michael E. (JSC-KT)" <michael.e.zolensky@nasa.gov>, "Kevin D. McKeegan" <mckeegan@ess.ucla.edu>
 1 Attachment, 1.4 MB

Hi Andrew,

Here is a summary of our measurements of C2115-24-22-1-7. This sample was S sectioned and was deposited onto an upside-down TEM grid. We analyzed material that was located on the grid bars within the S residue. The first image in the attached file contains the most material, and does have an indication of at 15N-rich grain (+106 +/- 32 per mil.) This is not huge, but is in the range of expected N isotopic anomalies based on meteorite and IDP studies. It is the first time we have seen such an anomaly as well.

Best regards,

Scott & Motoo

-----Original Message-----

From: andrew westphal [<mailto:westphal@ssl.berkeley.edu>]
Sent: Fri 5/26/2006 5:46 PM
To: Messenger, Scott R. (JSC-KR)
Subject: Re: c2115,24,22,1

Thank you, Scott. Have a good weekend.

Cheers

Andrew

On May 26, 2006, at 2:07 PM, Messenger, Scott R. (JSC-KR) wrote:

Hi Andrew,

We are finishing our work on this sample this afternoon. We have a relatively small amount of material to study, but what we were able to measure had terrestrial O and N isotopic compositions. One possible exception is a N-rich grain with a measured d15N value of -100 per mil. We will compile the data this weekend and send a report on Monday.

Best regards,

Scott

-----Original Message-----

From: andrew westphal [<mailto:westphal@ssl.berkeley.edu>]
<<mailto:westphal@ssl.berkeley.edu>>]
Sent: Fri 5/26/2006 3:53 PM
To: Messenger, Scott R. (JSC-KR)
Subject: c2115,24,22,1

Scott,

What is the status of your analysis of c2115, 24,22,1?

Best

Andrew

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[C2115.doc \(1.4 MB\)](#)