

Tuesday, July 28, 2015
POSTER SESSION: CARBONACEOUS CHONDRITES:
HYDROUS AND ANHYDROUS
5:30 p.m. Hearst Memorial Mining Building (HMMB) Floor One

Patzek M. Bischoff A.

[*Search and Characterization of Volatile-Rich Clasts in Brecciated Meteorites*](#) [#5057]

We identified phyllosilicate-rich clasts in eleven brecciated meteorites including chondrites and achondrites. These clasts are unique, but share some similarities to CM and CI meteorites.

Matsumoto M. Tomeoka K. Seto Y. Miyake A. Kiriishi M. Umehara M. Yamamoto Y.
Nishio-Hamane D.

[*Hydrated, Unmetamorphosed Clasts in the NWA 1232 CO3 Carbonaceous Chondrite*](#) [#5058]

We will present the results of petrographic, SEM, TEM, and SR-XRD studies of the numerous small clasts found in the Northwest Africa 1232 CO3 carbonaceous chondrite.

Vaccaro E. King A. J. Najorka J. Starkey N. A. Franchi I. A. Russell S. S.

[*In-Situ Micro-XRD Comparative Study of MIL 07687 and ALHA77307 Matrix*](#) [#5264]

We have carried out a comparative study of the matrix of MIL 07687 and ALHA77307 using in-situ micro XRD. In MIL 07687 despite pattern being collected on areas with different degrees of alteration, we observe only small variations in the XRD patterns.

Verdier M. J. Marrocchi Y. Gounelle M.

[*Calcium Carbonates Oxygen Isotopic Compositions in CM Chondrites*](#) [#5069]

Study of the oxygen isotopic composition of calcium carbonates in ten CM chondrites and constraints over the isotopic evolution of the fluid with the temperature of precipitation.

Strait M. M. Clayton A. N. Jack S. J. Ruzicka A. M. Flynn G. J. Durda D. D.

[*Chemical Composition of Artificially Hydrated Ordinary Chondrites*](#) [#5324]

Chemistry of an artificially hydrated ordinary chondrite to produce a carbonaceous chondrite is reported.