

## Appendix E. Photographs of Hand Samples and Thin Sections

### Hand Samples

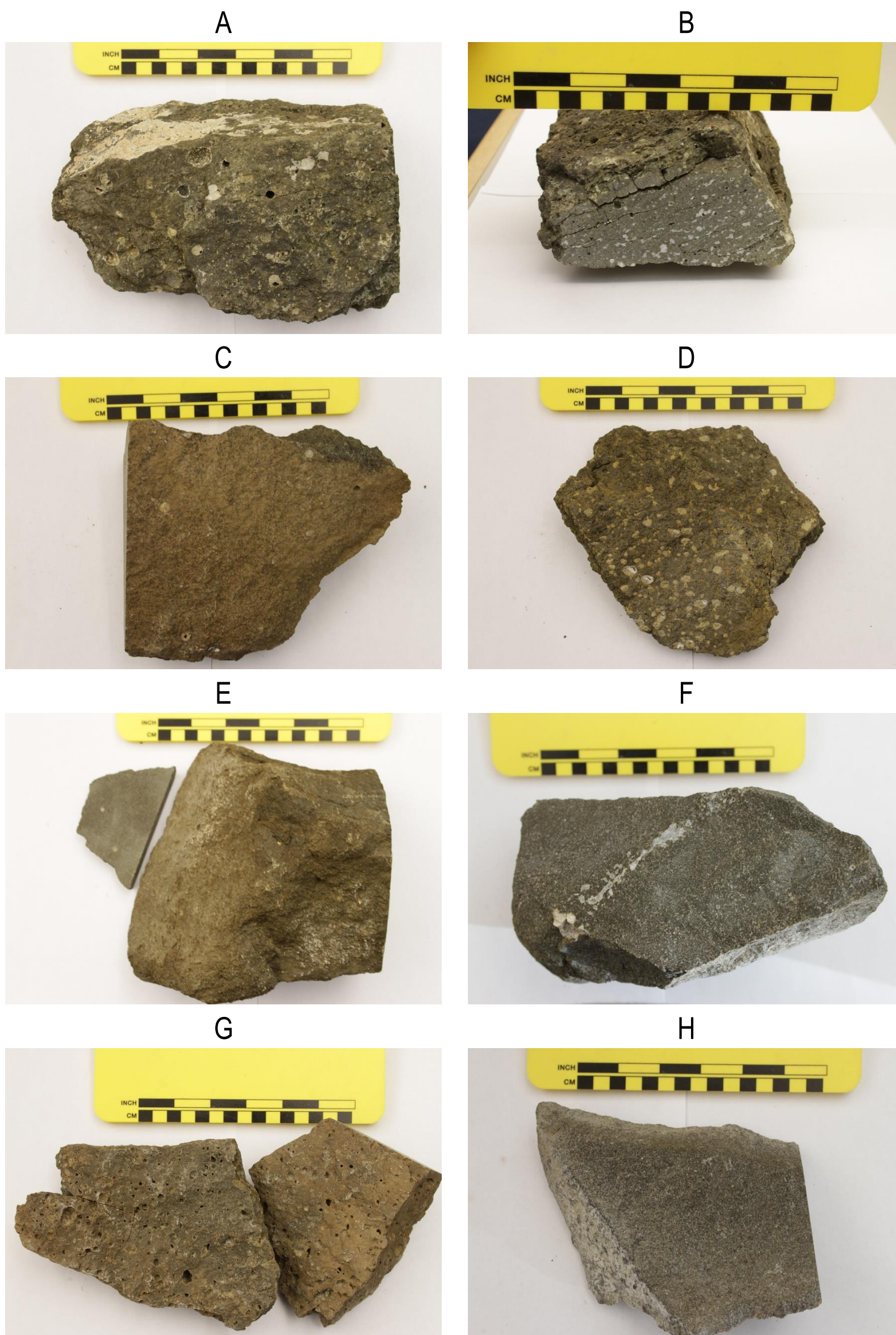


Figure E1. Hand samples from the Chasm slope. A, B = MD-CH01-01, C = MD-CH01-02, D = MD-CH02-01, E = MD-CH02-02, F = MD-CH03-01, G = MD-CH03-02, H = MD-CH03-03.

I



J



K



L



M



N



O



P



Figure E1 (continued). Hand samples from the Chasm slope. I = MD-CH04-01, J = MD-CH05-01, K = MD-CH06-01, L = MD-CH-06-02, M = MD-CH06-03, N = MD-CH06-04, O = MD-CH07-01A, P = MD-CH07-01B.

Q



R



S



T



Figure E1 (continued). Hand samples from the Chasm slope. Q = MD-CH08-02, R = MD-CH-P12-01, S = MD-CH-P67-01, T = MD-CH-P67-02.

Thin Sections

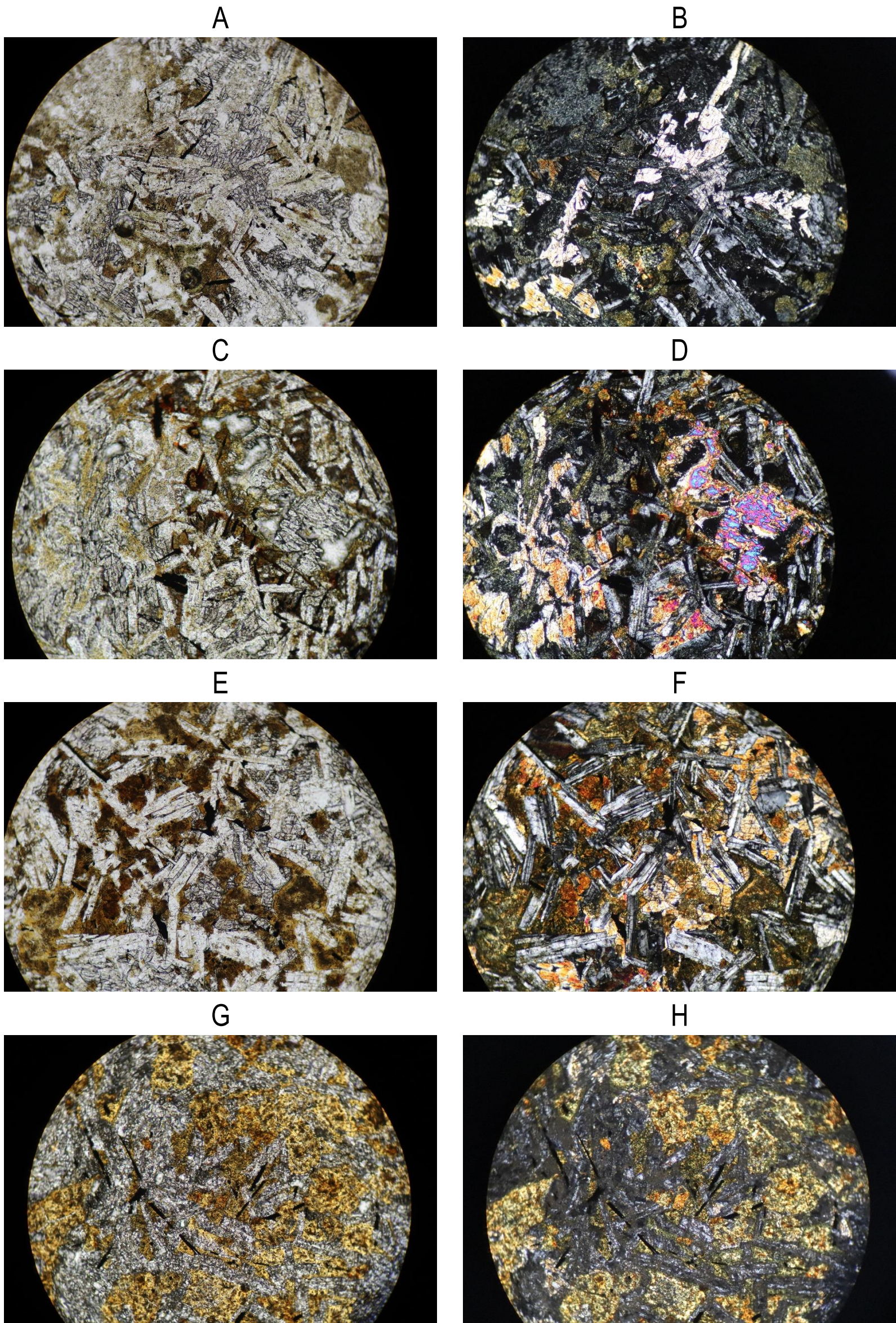
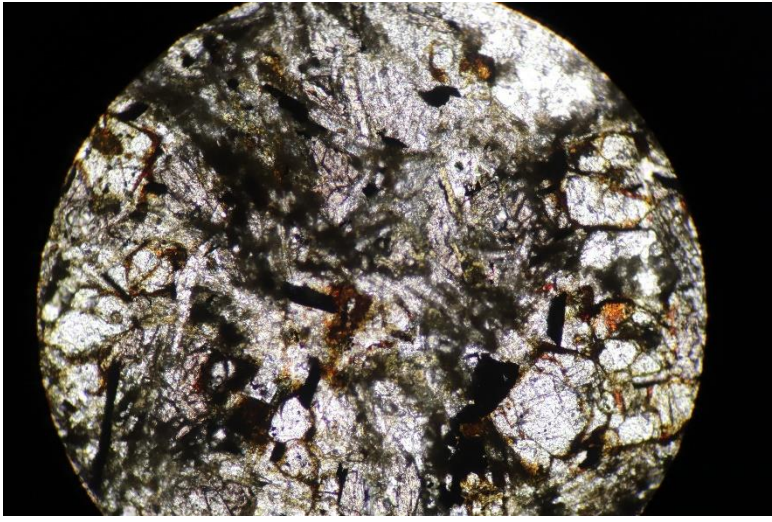


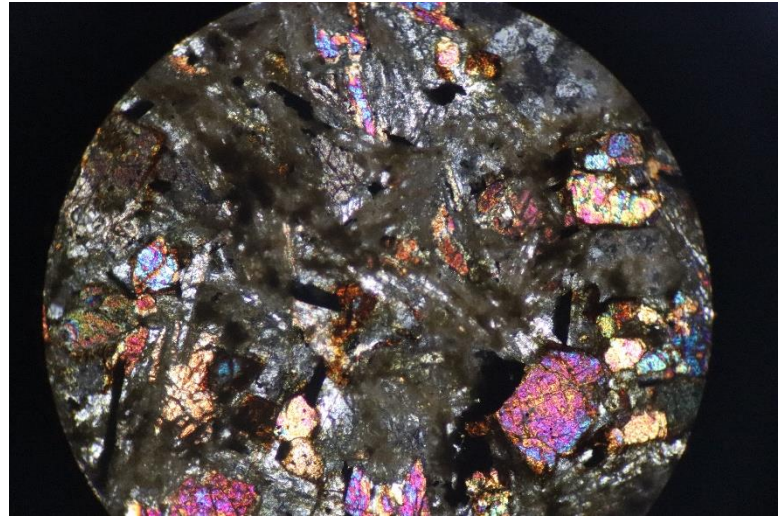
Figure D1. Photomicrographs of Chasm sample thin sections in plane-polarized light (PPL) and cross-polarized light (XPL). All samples are at 10x magnification. A = MD-CH01-01 (PPL), B = MD-CH01-01 (XPL), C = MD-CH01-02 (PPL), D = MD-CH01-02 (XPL), E = MD-CH02-02A (PPL), F = MD-CH02-02A (XPL), G = MD-CH02-02B (PPL), H = MD-CH02-02B (XPL).

I

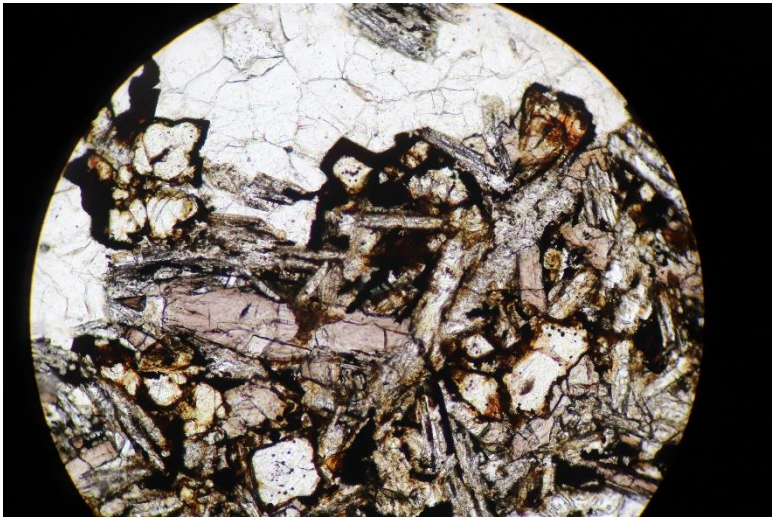
J



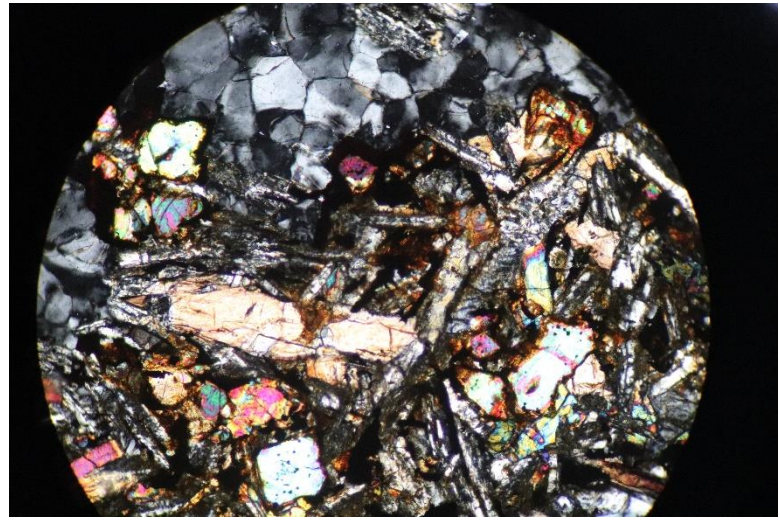
K



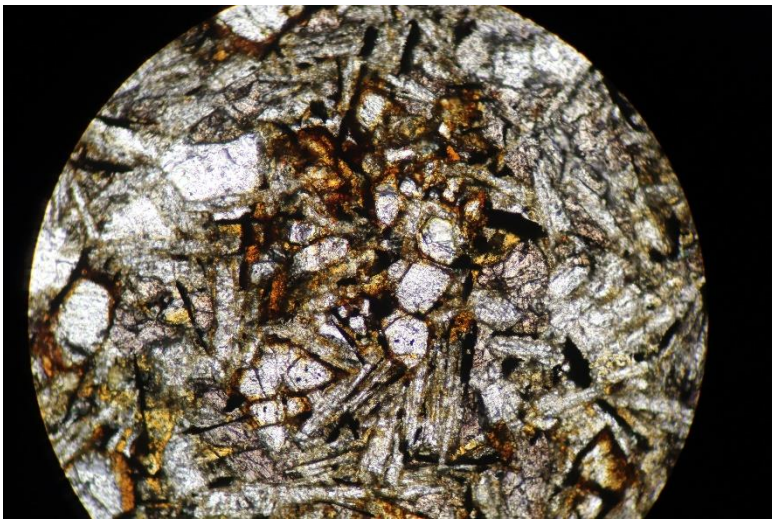
L



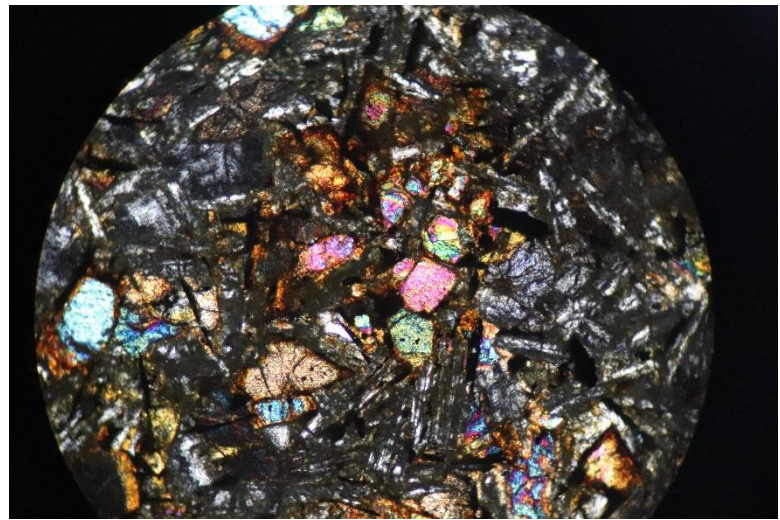
M



N



O



P

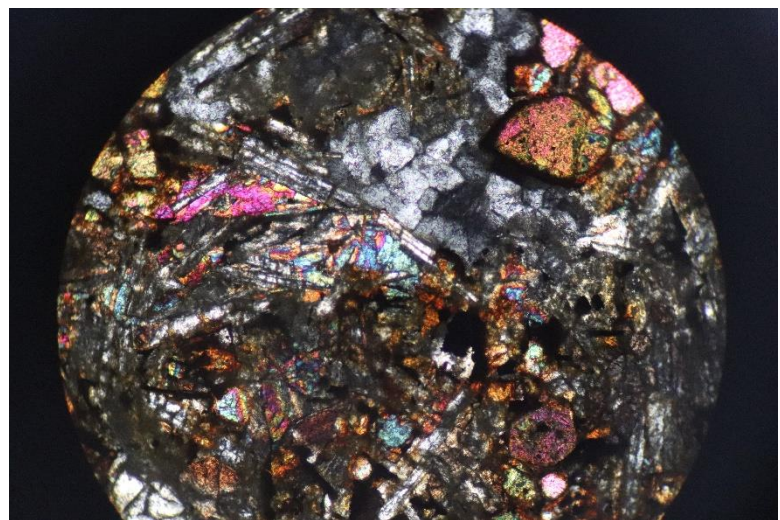
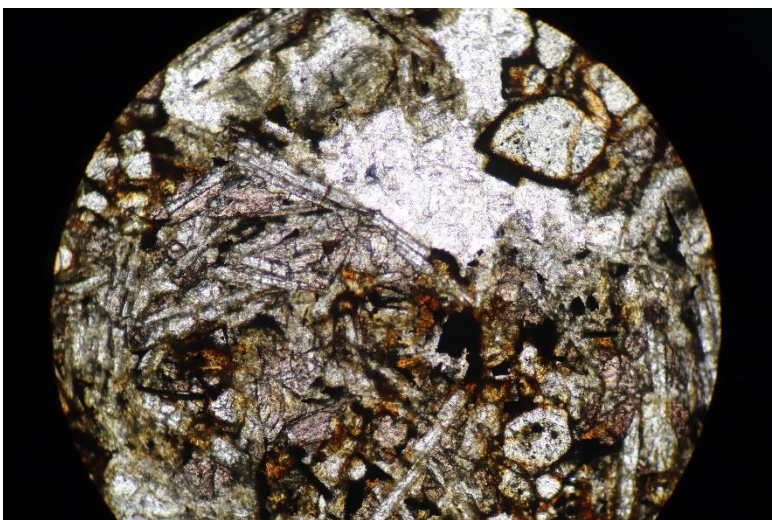


Figure D1 (continued). Photomicrographs of Chasm sample thin sections in plane-polarized light (PPL) and cross-polarized light (XPL). All samples are at 10x magnification. I = MD-CH03-01 (PPL), J = MD-CH03-01 (XPL), K = MD-CH03-02A (PPL), L = MD-CH03-02A (XPL), M = MD-CH03-02B (PPL), N = MD-CH03-02B (XPL), O = MD-CH03-02C (PPL), P = MD-CH03-02C (XPL).

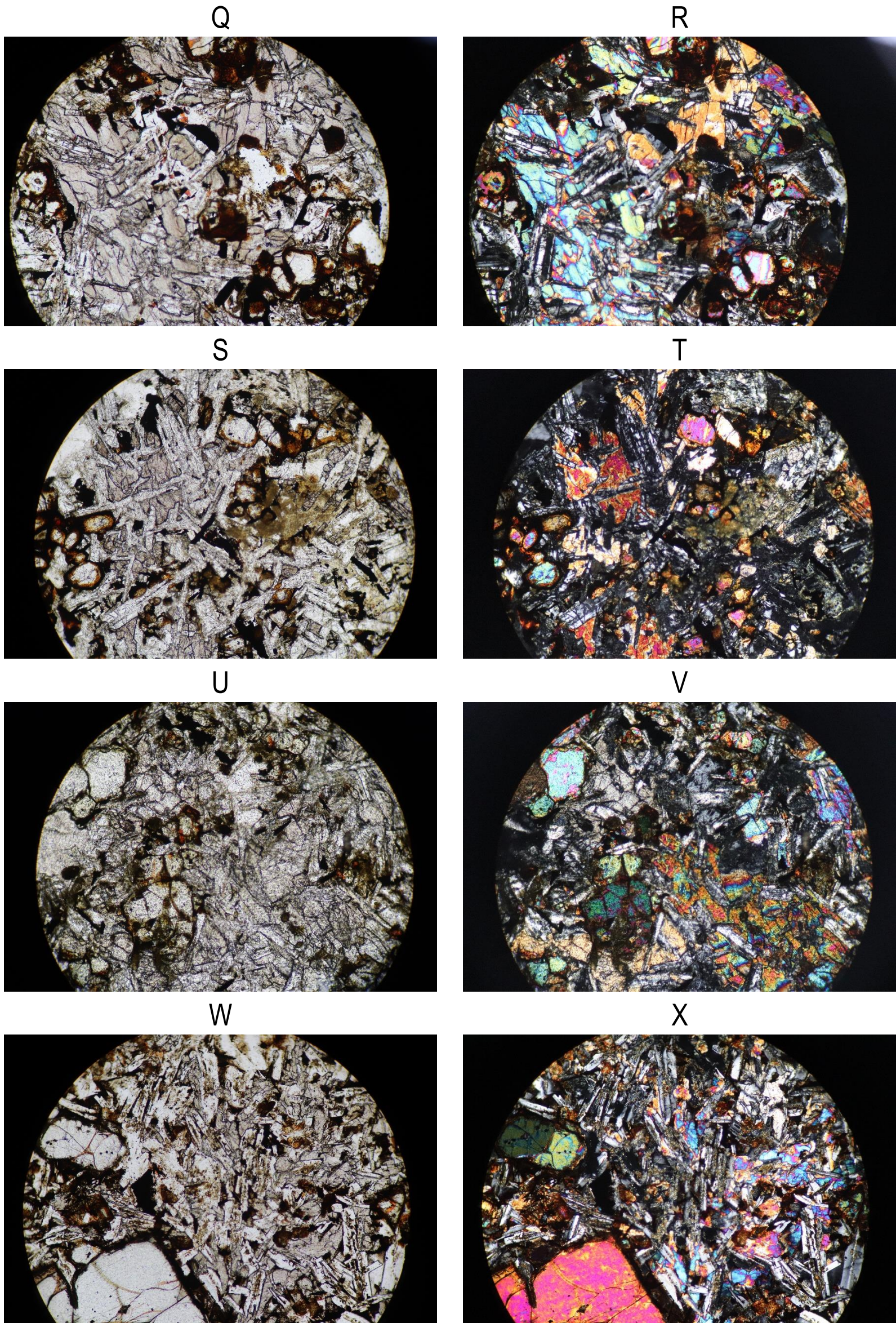


Figure D1 (continued). Photomicrographs of Chasm sample thin sections in plane-polarized light (PPL) and cross-polarized light (XPL). All samples are at 10x magnification. Q = MD-CH03-03 (PPL), R = MD-CH03-03 (XPL), S = MD-CH04-01 (PPL), T = MD-CH04-01 (XPL), U = MD-CH05-01 (PPL), V = MD-CH05-01 (XPL), W = MD-CH06-01 (PPL), X = MD-CH06-01 (XPL).

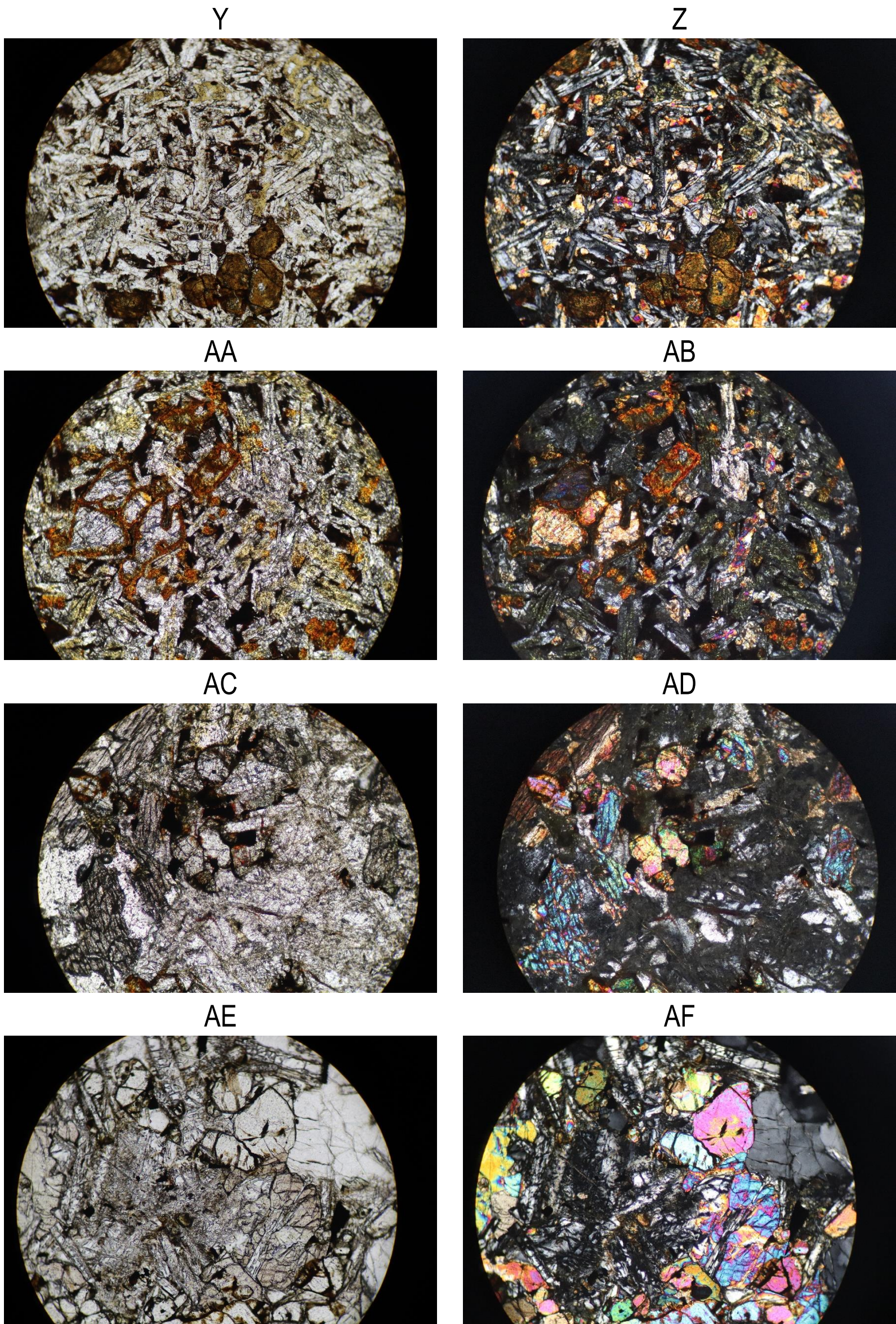
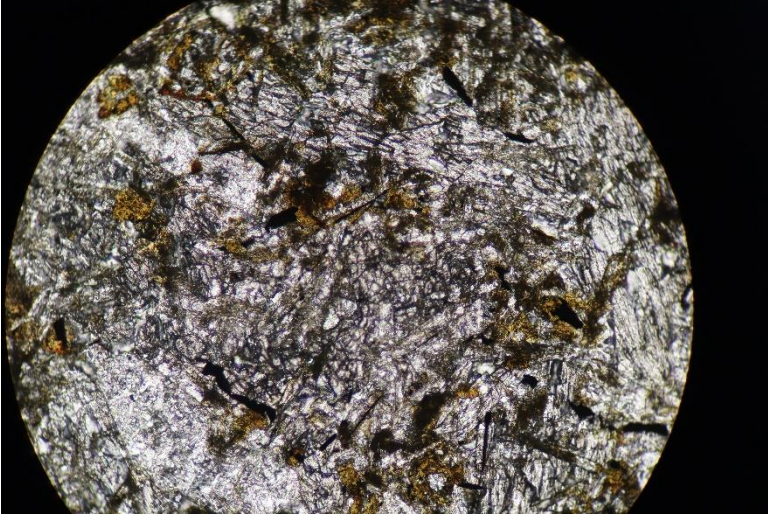
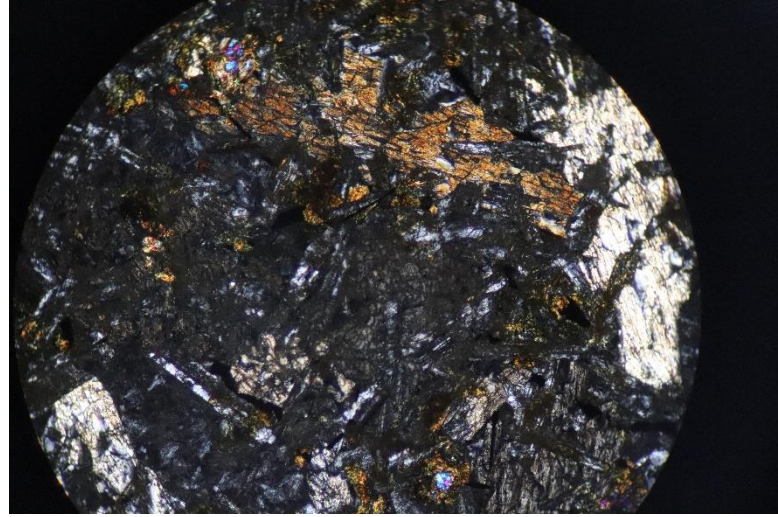


Figure D1 (continued). Photomicrographs of Chasm sample thin sections in plane-polarized light (PPL) and cross-polarized light (XPL). All samples are at 10x magnification. Y = MD-CH06-02 (PPL), Z = MD-CH06-02 (XPL), AA = MD-CH06-04 (PPL), AB = MD-CH06-04 (XPL), AC = MD-CH07-01A (PPL), AD = MD-CH07-01A (XPL), AE = MD-CH07-01B (PPL), AF = MD-CH07-01B (XPL).

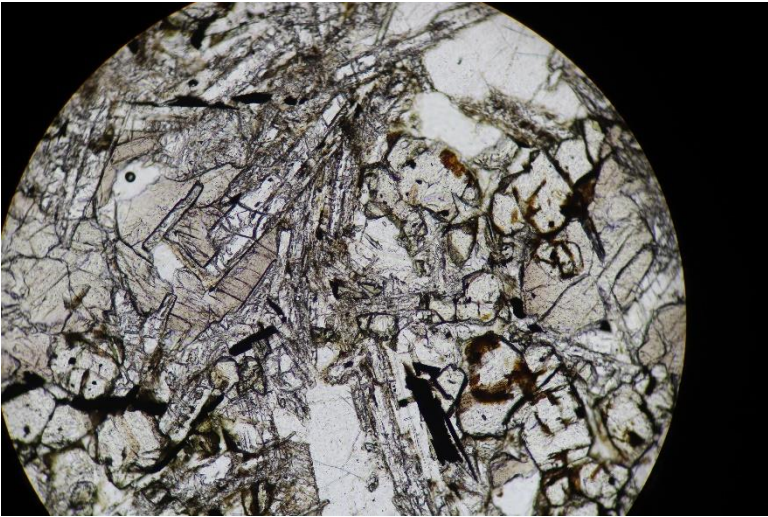
AG



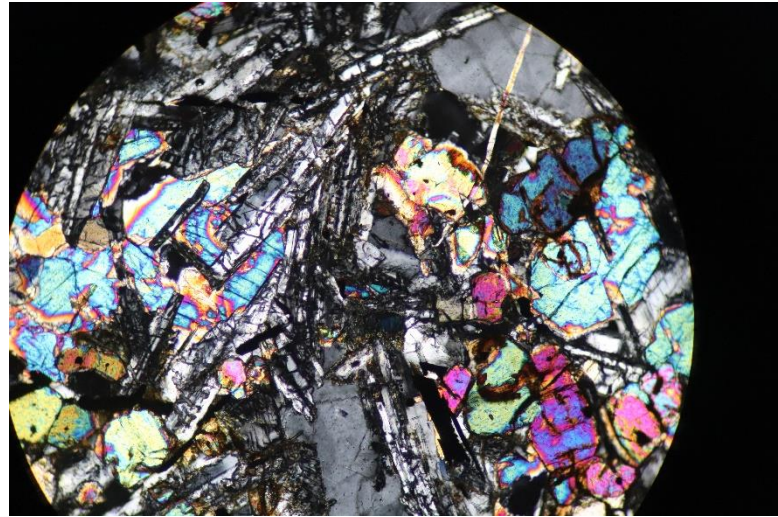
AH



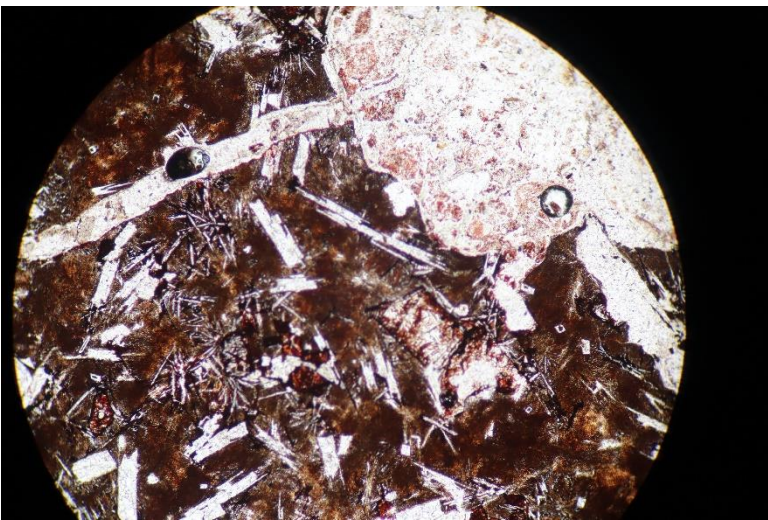
AI



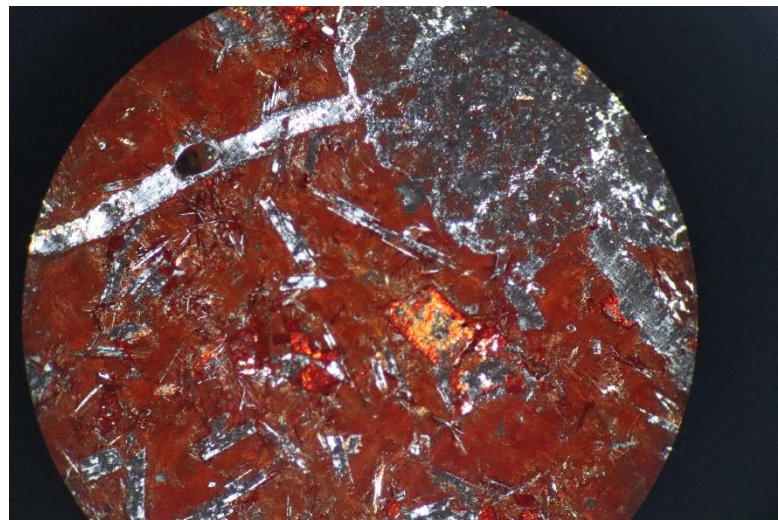
AJ



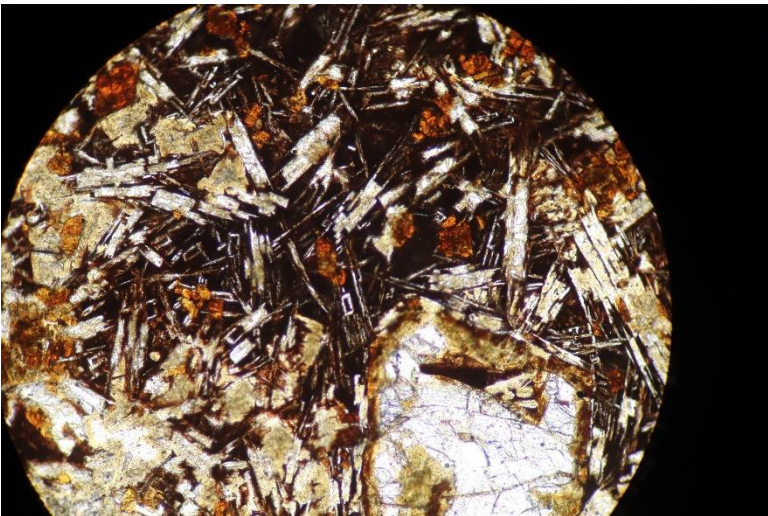
AK



AL



AM



AN

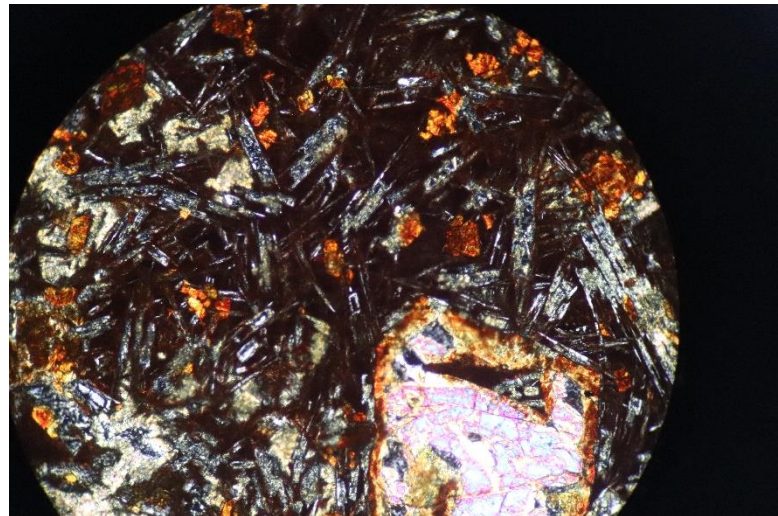
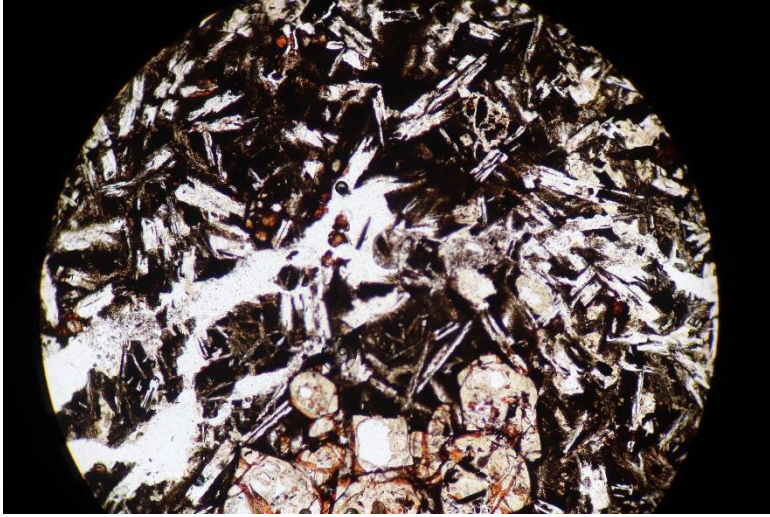


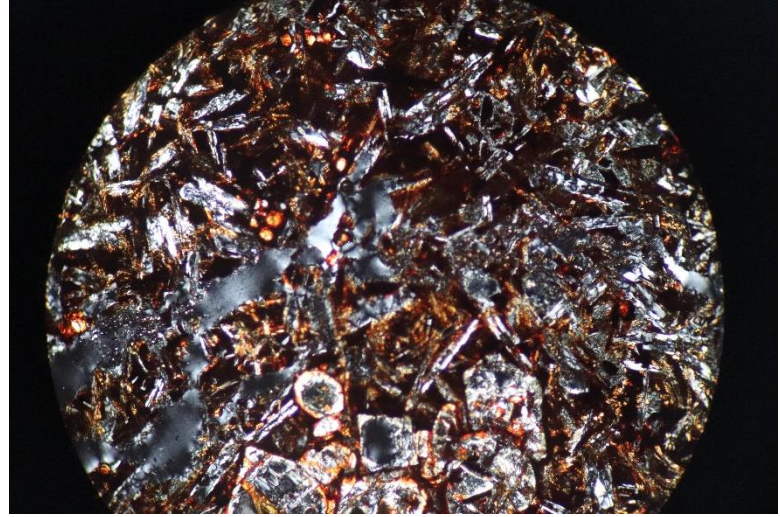
Figure D1 (continued). Photomicrographs of Chasm sample thin sections in plane-polarized light (PPL) and cross-polarized light (XPL). All samples are at 10x magnification. AG = MD-CH08-01 (PPL), AH = MD-CH08-01 (XPL), AI = MD-CH08-02 (PPL), AJ = MD-CH08-02 (XPL), AK = MD-CH-P12-01 (PPL), AL = MD-CH-P12-01 (XPL), AM = MD-CH-P23-01 (PPL), AN = MD-CH-P23-01 (XPL).



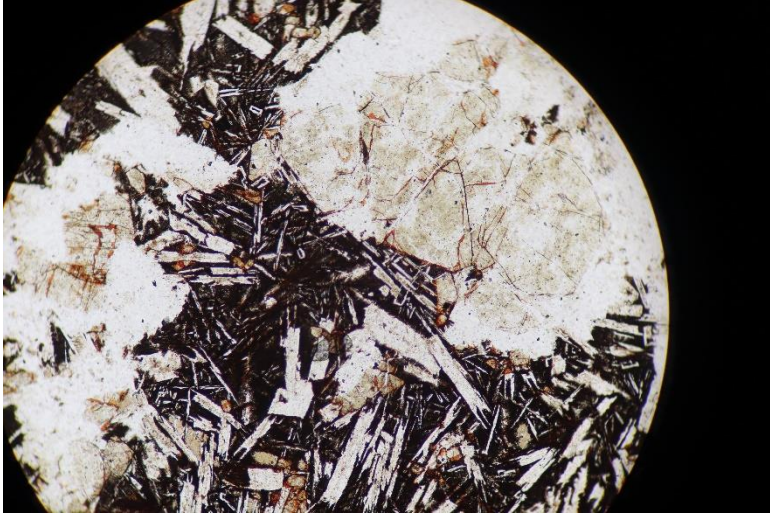
AO



AP



AQ



AR

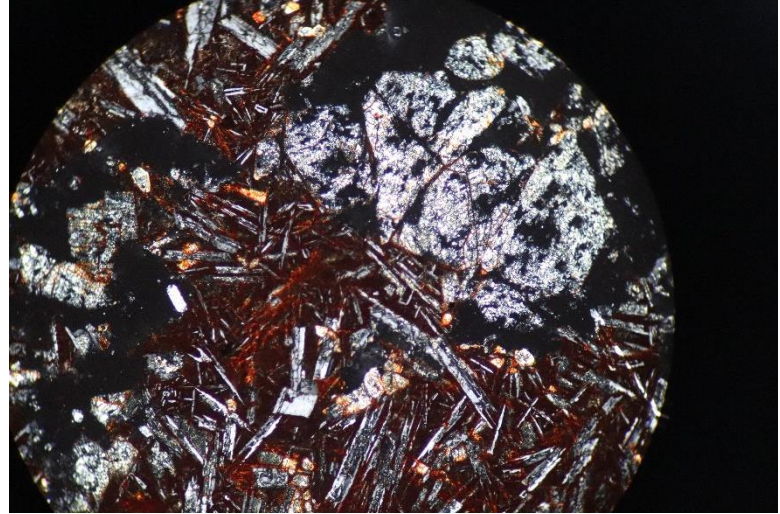


Figure D1 (continued). Photomicrographs of Chasm sample thin sections in plane-polarized light (PPL) and cross-polarized light (XPL). All samples are at 10x magnification. AO = MD-CH-P67-01 (PPL), AP = MD-CH-P67-01 (XPL), AQ = MD-CH-P67-02 (PPL), AR = MD-CH-P67-02 (XPL).