



SUPPLEMENTARY MATERIAL

for the paper

The metamorphic configuration of the Piaxtla high-pressure suite inferred from geological mapping and its metasedimentary rocks

by:

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Supplementary Table S1. Rock samples from the Piaxtla high-pressure suite.

Sample	Location (x y)*		Locality	Rock type	Mineral assemblage
MPS-01	567936	2050456	NW Las Minas	Garnet-phengite schist	Ph Grt Qz Ab Chl Ttn Rt Bt Stp Hem
MPS-02	573839	2053155	W El Carrizo	Garnet-chloritoid-phengite schist	Ph Qz Grt Cld Ab Chl Pg Ilm Rt Tur
MPS-03	573876	2053232	W El Carrizo	Garnet-phengite schist	Ph Grt Qz Chl Ab Ilm Rt
MPS-04a	574801	2056657	NW Mimilulco	Garnet amphibolite	Amp Grt Chl Ep Pl Zo Ttn Ph Rt
MPS-04b	574801	2056657	NW Mimilulco	Garnet paragneiss	Qz Grt Ph Ab Rt Chl Zrn Mnz? Ap
MPS-04c	574801	2056657	NW Mimilulco	Garnet-quartz-phengite schist	Qz Ph Grt Chl Rt Ilm Ap
MPS-04d	574801	2056657	NW Mimilulco	Garnet-phengite schist	Ph Qz Grt Rt Tur
MPS-05a	575127	2056391	NW Mimilulco	Garnet-albite-phengite schist	Qz Ph Ab Grt Chl Ilm Rt Ttn Zrn
MPS-05b	575127	2056391	NW Mimilulco	Garnet amphibolite	Amp Grt Chl Czo Pl Ttn Ph Ilm Ap Rt
MPS-06a	576212	2055353	SE Mimilulco	Garnet paragneiss	Qz Ph Ab Grt Chl Cal Ilm Rt Ttn Zrn
MPS-06b	576212	2055353	SE Mimilulco	Garnet-albite-phengite schist	Ph Ab Tur Grt Qz Ilm Rt
MPS-07a	575901	2055274	SE Mimilulco	Garnet-clinozoisite-phengite schist	Ph Qz Czo Grt Ab Ttn Amp Chl Zrn
MPS-07b	575901	2055274	SE Mimilulco	Garnet amphibolite	Amp Grt Ep-Czo Ph Pl Ttn Zrn?
MPS-08	575832	2055437	SE Mimilulco	Garnet-albite-phengite schist	Ph Qz Grt Ab Chl Cal Ilm Rt
MPS-09	582445	2041664	NE Organal	Garnet paragneiss	Qz Ph Grt Chl Pl Ilm Tur Rt Czo Zrn
MPS-10a	582427	2041930	NE Organal	Garnet paragneiss	Ph Qz Grt Chl Ilm Czo Rt Tur
MPS-10b	582427	2041930	NE Organal	Garnet amphibolite	Amp Pl Grt Czo Rt Ilm Ap Chl Ep Qz?
MPS-11	579206	2042670	El Timbre	Garnet paragneiss	Ph Qz Grt Chl Ilm
MPS-12	574967	2039228	NW San Fco Asis	Garnet-phengite schist	Ph Qz Grt Chl Ilm Rt
MPS-13	574688	2039899	NW San Fco Asis	Garnet-phengite schist	Ph Qz Grt Chl Ep-Czo Ilm Tur Rt?
MPS-14	574765	2042724	NW San Fco Asis	Garnet-albite-phengite schist	Qz Ph Ab Grt Chl Ilm Cz Rt?
MPS-15	575045	2039945	NW San Fco Asis	Garnet-phengite schist	Ph Qz Grt Pl Chl Ilm Rt Ep-Czo Tur Py?
MPS-16	574963	2040089	NW San Fco Asis	Garnet-phengite schist	Ph Qz Grt Chl Ab Ilm Tur Rt
MPS-17a	575071	2040422	NW San Fco Asis	Garnet-phengite schist	Ph Qz Chl Grt Pl Ilm Rt Tur Ap Czo
MPS-17b	575071	2040422	NW San Fco Asis	Eclogite	Amp Grt Omp Pl Rt Ilm Qz Ttn
MPS-18a	575225	2006191	E Inopilco	Garnet-phengite schist	Ph Grt Qz Chl Ilm Rt Czo Ap Tur
MPS-18b	575225	2006191	E Inopilco	Garnet-albite schist	Ab Chl Qz Grt Ilm Cal Rt Ep-Czo Ttn Zrn Tur
MPS-19	574714	2006983	E Inopilco	Garnet-phengite schist	Ph Qz Grt Chl Cal Ilm Rt
MPS-20	577716	2009192	S Piaxtla	Garnet-quartz-phengite schist	Qz Ph Grt Chl Tur Ilm Ap Zrn Rt
MPS-21	577020	2009180	S Piaxtla	Chloritoid-quartz-phengite schist	Qz Ph Czo Tur Chl Ap Rt Ab?
MPS-22	584673	2015742	NE Ahuehuetitla	Garnet-phengite schist	Qz Ph Ab Grt Chl Ilm Ep Bt Zrn Rt
MPS-30a	574612	2056772	NW Mimilulco	Garnet gneiss	Qz Ab Grt Ph Chl Czo Ttn Rt
MPS-30b	574612	2056772	NW Mimilulco	Garnet amphibolite	Amp Ab Ep-Czo Grt Ttn Rt
MPS-31	574340	2054039	NW El Carrizo	Garnet-albite-phengite schist	Qz Ph Grt Ab Chl Ilm Tur Ap Rt Zrn
MPS-32a	574969	2053871	NW El Carrizo	Garnet-phengite schist	Ph Qz Grt Chl Ttn Czo Rt Ap Ilm
MPS-32b	574969	2053871	NW El Carrizo	Garnet amphibolite	Am Czo Pl Grt Chl Ttn Ph
MPS-33a	582312	2040509	W Organal	Garnet-plagioclase-phengite schist	Ph Qz Pl Grt Chl Bt Ilm Rt
MPS-33b	582312	2040509	W Organal	Garnet-rutile amphibolite	Amp Pl Grt Ilm Rt Ep-Czo Cal Ttn
MPS-34	582408	2040295	W Organal	Garnet-phengite schist	Qz Ph Grt Tur Chl Ilm Pl Rt
MPS-35	581865	2040346	W Organal	Granitic orthogneiss	Qz Pl Kfs Ph Ep-Czo Chl Ttn Zrn Ilm Rt?
MPS-36a	577117	2040972	SW El Timbre	Garnet quartzite	Qz Ph Grt Chl Ab Rt Ilm Ap Zrn
MPS-36b	577117	2040972	SW El Timbre	Eclogite	Omp Grt Amp Qz Pl? Czo Aln? Ilm
MPS-37	577315	2041649	SW El Timbre	Garnet-phengite schist	Ph Qz Grt Pl Chl Ilm Rt Czo Pg Ap
MPS-38	577677	2042063	SW El Timbre	Granitic orthogneiss	Qz Pl Ep-Czo Ph Chl Ilm Ap
MPS-39	573588	2056506	W Mimilulco	Epidote-glaucophane-calc schist	Ab Ph Ep Qz Amp-Gln Chl Ttn Ilm Cal Ap
MPS-40	573487	2056565	W Mimilulco	Garnet-chlorite gneiss	Chl Qz Ph Grt Ttn Rt Czo
MPS-41	576704	2057602	N Mimilulco	Garnet-chloritoid-phengite schist	Ph Qz Grt Cld Ab Ilm Rt Ttn Chl Ap Pg?
MPS-42	576872	2057701	N Mimilulco	Garnet-amphibole gneiss	Ab Qz Ph Chl Amp Grt Zo Ttn Ap
MPS-43a	572281	2056407	N Guadalupe	Albite-garnet-phengite schist	Qz Ab Ph Chl Grt Ttn Tur

continues

*WGS84 UTM coordinates (14N).

Mineral abbreviations: Ab=albite, Aln=allanite, Amp=amphibole, Ap=apatite, Bt=biotite, Cal=calcite, Chl=chlorite, Cld=chloritoid, Czo=clinozoisite, Ep=epidote, Gln=glaucophane, Grt=garnet, Hem=hematite, Ilm=ilmenite, Mnz=monazite, Omp=omphacite, Pg=paragonite, Ph=phengite, Pl=plagioclase, Py=pyrite, Qz=quartz, Rt=rutile, Stp=stilpnomelane, Ttn=titanite, Tur=tourmaline, Zo=zoisite, Zrn=zircon.

Supplementary Table S1 (cont). Rock samples from the Piaxtla high-pressure suite.

Sample	Location (x y)*		Locality	Rock type	Mineral assemblage
MPS-43b	572281	2056407	N Guadalupe	Garnet amphibolite	Amp Grt Ab Chl Ttn
MPS-44	572424	2056311	N Guadalupe	Epidote-glaucImhane-phengite schist	Ep Gln Amp Ab Chl Ttn
MPS-45	572470	2055965	N Guadalupe	Garnet-hematite-phengite schist	Ph Chl Grt Qz Hem Ab Rt Ap Ilm Tur
MPS-46	572670	2055326	N Guadalupe	Garnet-phengite schist	Qz Ph Grt Ab Chl Czo-Zo Rt Ilm Cld?
MPS-47a	572107	2053513	S Guadalupe	Albite-phengite gneiss	Ab Ph Chl Qz Grt Ep-Czo Ttn
MPS-47b	572107	2053513	S Guadalupe	Epidote-amphibole schist	Amp Ep Ab Chl Ttn Rt
MPS-47c	572107	2053513	S Guadalupe	Amphibole-clinozoisite-phengite schist	Amp Czo-Zo Ab Qz? Ph Ttn Rt Ilm Cal
MPS-48	572234	2053457	S Guadalupe	Garnet amphibolite	Amp Ab Czo Grt Ph Ttn
MPS-49	572290	2053131	S Guadalupe	Garnet-phengite schist	Ph Grt Qz Rt Ilm Chl Tur Zrn
MPS-50	567666	2050616	NW Las Minas	Garnet-hematite-phengite schist	Ph Qz Grt Chl Ab Hem Rt Ap
MPS-51a	567955	2045313	Las Casitas	Epidote-glaucImhane-phengite schist	Ab Ph Czo Chl Ilm Qz Rt Gln
MPS-51b	567955	2045313	Las Casitas	Albite-eoidote-phengite gneiss	Ab Ep-Czo Ph Chl Ilm Rt Gln
MPS-51c	567955	2045313	Las Casitas	Epidote blueschist	Ab Ep-Czo Gln Ph Chl Qz Ilm Rt Cal
MPS-52	567426	2045255	Las Casitas	Garnet blueschist	Ab Chl Ph Ep-Czo Grt Gln Ttn Rt Cal
MPS-53	574476	2039048	San Fco Asis	Garnet-phengite schist	Qz Ph Grt Pl Chl Ilm Rt Czo Ap

*WGS84 UTM coordinates (14N).

Mineral abbreviations: Ab=albite, Aln=allanite, Amp=amphibole, Ap=apatite, Bt=biotite, Cal=calcite, Chl=chlorite, Cld=chloritoid, Czo=clinozoisite, Ep=epidote, Gln=glaucophane, Grt=garnet, Hem=hematite, Ilm=ilmenite, Mnz=monazite, Omp=omphacite, Pg=paragonite, Ph=phengite, Pl=plagioclase, Py=pyrite, Qz=quartz, Rt=rutile, Stp=stilpnomelane, Ttn=titanite, Tur=tourmaline, Zo=zoisite, Zrn=zircon.