

Table S1. Atomic coordinates and Ueq for jamesonite α and β at different pressures. P values are given in Table 1. P0 values come from the refinement of jamesonite reported in [14].

Sites	Phase	P	x	y	z	U _{eq}
Pb1	α	P0	0.4415(1)	0.2398(1)	0.5747(1)	0.0349(1)
		P1	0.4490(1)	0.2385(1)	0.5765(1)	0.0210(5)
		P2	0.4673(1)	0.2349(1)	0.5790(1)	0.0178(4)
		P3	0.4760(1)	0.2329(1)	0.5804(1)	0.0147(2)
	β	P4	0.5	0.7316(1)	0.5820(1)	0.0180(1)
		P5	0.5	0.7313(4)	0.5832(2)	0.0226(3)
		P6	0.5	0.7308(6)	0.5838(3)	0.0232(4)
		P7	0.5	0.7303(6)	0.5845(3)	0.0234(4)
Pb2	α	P0	0.4638(1)	0.1406(1)	0.8177(1)	0.0376(1)
		P1	0.4673(1)	0.1416(1)	0.8208(1)	0.0243(4)
		P2	0.4802(1)	0.1425(1)	0.8253(1)	0.0198(4)
		P3	0.4857(1)	0.1430(1)	0.8278(1)	0.0162(2)
	β	P4	0.5	0.6404(1)	0.8332(1)	0.0191(1)
		P5	0.5	0.6395(4)	0.8355(2)	0.0235(3)
		P6	0.5	0.6394(6)	0.8365(3)	0.0238(4)
		P7	0.5	0.6394(6)	0.8374(3)	0.0235(4)
Sb1	α	P0	0.8819(1)	0.0488(1)	0.6042(1)	0.0325(1)
		P1	0.8867(2)	0.0461(1)	0.6032(5)	0.0216(9)
		P2	0.9101(1)	0.0411(1)	0.6035(4)	0.0164(7)
		P3	0.9240(2)	0.0388(1)	0.6042(4)	0.0135(4)
	β	P4	0	0.6553(1)	0.3682(3)	0.0182(2)
		P5	0	0.6548(8)	0.3688(5)	0.0224(4)
		P6	0	0.6545(1)	0.3692(7)	0.0234(7)
		P7	0	0.6539(1)	0.3698(6)	0.0236(7)
Sb2	α	P0	0.9109(1)	0.9368(1)	0.8198(1)	0.0315(1)
		P1	0.9127(2)	0.9348(1)	0.8189(5)	0.0210(8)
		P2	0.9304(1)	0.9292(1)	0.8206(4)	0.0175(7)
		P3	0.9415(2)	0.9261(1)	0.8218(4)	0.0140(4)
	β	P4	0	0.5362(5)	0.6068(3)	0.0195(3)
		P5	0	0.5346(8)	0.6075(5)	0.0228(4)
		P6	0	0.5334(1)	0.6079(7)	0.0220(6)
		P7	0	0.5323(1)	0.6082(7)	0.0226(6)
Sb3	α	P0	0.8814(1)	0.1591(1)	0.3610(1)	0.0373(1)
		P1	0.8928(2)	0.1577(1)	0.3694(1)	0.0229(1)
		P2	0.9232(1)	0.1560(1)	0.3683(1)	0.0176(8)

β	β	P3	0.9373(2)	0.1555(1)	0.3683(1)	0.0149(4)
		P4	0.	0.4193(1)	0.8236(1)	0.0181(3)
		P5	0	0.4160(8)	0.8236(5)	0.0220(5)
		P6	0	0.4144(1)	0.8237(7)	0.0215(7)
		P7	0	0.4127(1)	0.8238(7)	0.0212(6)
Fe	α	P0	0.5	0	0	0.036(1)
		P1	0.5	0	0	0.020(2)
		P2	0.5	0	0	0.015(2)
		P3	0.5	0	0	0.012(1)
	β	P4	0.5	0	0	0.014(1)
		P5	0.5	0	0	0.018(1)
		P6	0.5	0	0	0.018(1)
		P7	0.5	0	0	0.018(1)
S1	α	P0	0.4548(5)	0.1021(1)	0.4970(1)	0.032(1)
		P1	0.4587(5)	0.1001(4)	0.4954(2)	0.018(1)
		P2	0.4739(5)	0.0975(3)	0.4934(1)	0.017(1)
		P3	0.4797(6)	0.0969(2)	0.4927(1)	0.011(1)
	β	P4	0.5	0.7063(2)	0.2698(1)	0.014(1)
		P5	0.5	0.7072(2)	0.2699(1)	0.020(1)
		P6	0.5	0.7072(4)	0.2701(2)	0.022(2)
		P7	0.5	0.7075(4)	0.2699(2)	0.020(2)
S2	α	P0	0.9492(1)	0.1591(1)	0.6826(1)	0.029(1)
		P1	0.9554(5)	0.1583(3)	0.6835(1)	0.015(3)
		P2	0.9725(4)	0.1557(3)	0.6849(1)	0.014(2)
		P3	0.9800(6)	0.1541(2)	0.6857(2)	0.012(1)
	β	P4	0	0.5339(2)	0.9102(1)	0.018(1)
		P5	0	0.5320(2)	0.9114(1)	0.020(1)
		P6	0	0.5321(4)	0.9111(2)	0.021(2)
		P7	0	0.5311(4)	0.9106(2)	0.021(2)
S3	α	P0	0.9767(1)	0.0437(1)	0.9042(1)	0.026(1)
		P1	0.9800(5)	0.0431(3)	0.9042(1)	0.019(3)
		P2	0.9896(4)	0.0419(3)	0.9042(1)	0.011(2)
		P3	0.9925(6)	0.0405(2)	0.9043(1)	0.012(1)
	β	P4	0	0.6529(2)	0.6893(1)	0.017(1)
		P5	0	0.6527(3)	0.6906(2)	0.022(1)
		P6	0	0.6524(4)	0.6910(2)	0.025(2)
		P7	0	0.6519(4)	0.6916(2)	0.023(2)
S4		P0	0.9301(1)	0.2691(1)	0.4479(1)	0.029(1)

	β	P1	0.9402(5)	0.2697(3)	0.4476(1)	0.019(3)
		P2	0.9638(4)	0.2705(3)	0.447(1)	0.016(2)
		P3	0.9742(6)	0.2704(3)	0.4475(2)	0.015(1)
		P4	0.5	0.5959(2)	0.4942(1)	0.016(1)
		P5	0.5	0.5951(2)	0.4943(1)	0.019(1)
		P6	0.5	0.5945(4)	0.4939(2)	0.021(2)
		P7	0.5	0.5942(4)	0.4933(2)	0.023(2)
S5	α	P0	0.4690(1)	0.0038(1)	0.7141(1)	0.030(1)
		P1	0.4757(5)	0.0022(4)	0.7149(2)	0.020(3)
		P2	0.4828(4)	-0.0003(3)	0.7168(1)	0.013(2)
		P3	0.4853(6)	-0.0017(2)	0.7180(1)	0.013(1)
	β	P4	0.5	0.3889(2)	0.9343(1)	0.016(1)
		P5	0.5	0.3888(3)	0.9363(1)	0.021(1)
		P6	0.5	0.3881(4)	0.9372(2)	0.020(2)
		P7	0.5	0.3873(4)	0.9382(2)	0.024(2)
S6	α	P0	0.4230(1)	0.2964(1)	0.7757(1)	0.034(1)
		P1	0.4305(5)	0.2970(4)	0.7739(2)	0.019(3)
		P2	0.4521(4)	0.2965(3)	0.7710(1)	0.018(2)
		P3	0.4621(6)	0.2963(2)	0.7690(1)	0.014(1)
	β	P4	0	0.7721(2)	0.4483(1)	0.017(1)
		P5	0	0.7728(3)	0.4492(2)	0.021(1)
		P6	0	0.7729(4)	0.4498(2)	0.023(2)
		P7	0	0.7728(4)	0.4503(2)	0.024(2)
S7	α	P0	0.5126(1)	0.3937(1)	0.5812(1)	0.032(1)
		P1	0.5104(5)	0.3924(4)	0.5788(2)	0.026(3)
		P2	0.5102(5)	0.3894(3)	0.5743(1)	0.018(2)
		P3	0.5092(6)	0.3875(3)	0.5715(1)	0.012(1)
	β	P4	0.5	0.4966(2)	0.7225(1)	0.016(2)
		P5	0.5	0.4956(2)	0.7239(2)	0.021(1)
		P6	0.5	0.4948(4)	0.7247(2)	0.024(2)
		P7	0.5	0.4941(4)	0.7256(2)	0.021(2)
