

Cronstedtite - Ouedi Beht, Morocco, lattice parameters and polytypes

Sample	Form	a	b	c	alfa	beta	gama	Volume	Group	Polytype(s)	Note
Batch #1	Central part - CP										
CP_1	Slim trunc. cone	5.496(2)	5.496(2)	14.177(7)	90	90	120	370.8(3)	D	2H2, 2H1	Fibre texture! Poor cryst.
CP_2	Irregular Chunk	5.467(2)	5.467(2)	14.154(7)	90	90	120	366.4(3)	D	2H2, 2H1	Fibre texture! Misoriented domains EPMA
CP_3	Irregular plate	5.4774(8)	5.4774(8)	14.244(2)	90	90	120	370.09(10)	D	2H2, 2H1	Misoriented domains, some refl. Arc-shaped
CP_4	Trunc. cone	5.4769(10)	5.4769(10)	14.186(3)	90	90	120	368.52(11)	D	2H1, 2H2	2H2 reflections weaker
CP_5	Lath shaped	5.4991(7)	5.4991(7)	14.242(2)	90	90	120	373.00(9)	D	2H2, 2H1	Weak fibre texture! 2H2 reflections strong
CP_6	Lath shaped	5.485(4)	5.485(4)	14.324(8)	90	90	120	373.2(5)	D	2H1, 2H2	Strong fibre texture! Also Misoriented domains
CP_7-1											Cell not found
CP_7-2											Cell not found
CP_8	thick needle	5.551(4)	5.551(4)	14.184(9)	90	90	120	378.6(4)	D	2H2, 2H1	Strong fibre texture! Misoriented domains, poor cryst.
CP_9	Irregular	5.4831(6)	5.4831(6)	14.2210(17)	90	90	120	370.27(7)	D	2H1, 2H2	2H2 reflections strong, misoriented domains
CP_10	columnar	5.4918(10)	5.4918(10)	14.2336(19)	90	90	120	371.77(11)	D	2H2, 2H1	Strong fibre texture! misoriented domains, arc-shaped reflections
CP_11	Irregular plate	5.4903(7)	5.4903(7)	14.221(2)	90	90	120	371.24(9)	D	2H1, 2H2	Weak fibre texture! Misoriented domains
CP_12	Lath shaped	5.4947(11)	5.4947(11)	14.222(3)	90	90	120	371.85(13)	D	2H2, 2H1	Weak fibre texture! Misoriented domains. EPMA
CP_13	Acicular	5.4940(7)	5.4940(7)	14.221(2)	90	90	120	371.74(9)	D	2H1, 2H2	Strong fibre texture! Otherwise good crystal.
Batch #1	Central part - CP cleaved fragments										
CP_5T	Vertical plate	5.5043(5)	5.5043(5)	14.2597(15)	90	90	120	374.14(6)	D	2H2,(2H1)	2 Misoriented domains, reflections sharp
CP_5M	Vertical plate	5.5013(8)	5.5013(8)	14.244(2)	90	90	120	373.33(9)	D	2H2,(2H1)	2 Misoriented domains, reflections sharp
CP_5B	Vertical plate	5.4995(5)	5.4995(5)	14.2477(17)	90	90	120	373.18(7)	D	2H2,(2H1)	Good crystal
Batch #2	Back druse - BD										
BD_1	Cleaved plate	5.4882(6)	5.4882(6)	14.2145(17)	90	90	120	370.78(7)	D	2H1, (2H2)	Refl. 2H2 weak, some refl. Arc-shaped
BD_2	Trunc. cone	5.4800(6)	5.4800(6)	14.2273(18)	90	90	120	370.01(8)	D	2H1, (2H2)	Refl. 2H2 weak
BD_3	Trunc. cone	5.4825(8)	5.4825(8)	14.191(2)	90	90	120	369.41(10)	D	6T3, 2H1	Lattice param 2H1, refl. 6T3 (Seq. 5) weak, diffusely streaked
BD_4	Cleaved plate	5.4941(7)	5.4941(7)	14.2167(19)	90	90	120	371.64(8)	D	2H1, (6T1, 6T3?)	Lat. par. 2H1, Refl. 6T1 (Seq. 1) or 6T3 (Seq. 5) very weak, questionable, diff. Streak.
BD_5	Thick cleaved plate	5.4821(7)	5.4821(7)	14.218(2)	90	90	120	370.06(9)	D	2H1, 6T3	Possible 2H1 part, crystal cleaved into more parts
		5.4822(8)	5.4822(8)	42.646(6)	90	90	120	1110.0(3)	D	2H1, 6T3	6T3 (Sequence 5) Part
BD_6	Thick cleav. Plate	5.4595(8)	5.4595(8)	14.182(2)	90	90	120	366.09(9)	D	2H1, (2H2)	Refl. 2H2 weak, diffusely streaked, some refl. Arc-shaped, EPMA
BD_7	Cleaved plate	5.4836(7)	5.4836(7)	14.215(2)	90	90	120	370.18(9)	D	2H1, 6T3	(Possible) 2H1 part
		5.4818(7)	5.4818(7)	42.633(5)	90	90	120	1109.5(2)	D	2H1, 6T3	6T3 (Sequence 5) Part
BD_8	Cleaved plate	5.4872(5)	5.4872(5)	14.2291(14)	90	90	120	371.03(6)	D	2H1, (2H2)	Refl. 2H2 weak, diffusely streaked
BD_9	Cleaved chunk	5.4740(8)	5.4740(8)	14.194(2)	90	90	120	368.35(9)	D	2H1, 6T3	Refl. 6T3 (Sequence 5) weak
BD_10	Cleaved chunk	5.4902(7)	5.4902(7)	14.2170(19)	90	90	120	371.12(8)	D	2H1, 6T3	Refl. 6T3 weak, but well visible, candidate for further cleaving
BD_11	Trunc. cone	5.4859(8)	5.4859(8)	14.260(2)	90	90	120	371.65(9)	D	2H1, 6T3	Refl. 6T3 weak, EPMA
Batch #2	Back druse - BD - cleaved fragments										
BD_5-1	cleaved plate	5.4889(7)	5.4889(7)	14.2356(19)	90	90	120	371.44(8)	D	2H1,6T3	Reflections 6T3 weak
BD_5-2	cleaved plate	5.4892(6)	5.4892(6)	14.2403(19)	90	90	120	371.60(8)	D	2H1, 6T3	Lattice param. 2H1, Refl. 6T3 weak, but well visible, reflections arc-shaped
BD_5-3	cleaved plate	5.4977(7)	5.4977(7)	14.2585(18)	90	90	120	373.22(8)	D	2H1,6T3	Lattice param. 2H1, Refl. 6T3 well visible
BD_5-4	cleaved plate	5.489(3)	5.489(3)	14.234(12)	90	90	120	371.4(4)	D	2H1	Poor crystal, reflections smeared and arc-shaped
BD_5-5	cleaved plate	5.4931(8)	5.4931(8)	14.230(2)	90	90	120	371.86(10)	D	2H1,6T3	Lattice param. 2H1, Refl. 6T3 weaker, but well visible
BD_5-6	cleaved plate	5.4889(7)	5.4889(7)	14.2363(18)	90	90	120	371.44(8)	D	2H1, 6T3	Lattice param. 2H1, Refl. 6T3 weaker, but well developed.
BD_5-7	cleaved plate	5.496(4)	5.496(4)	14.216(13)	90	90	120	371.8(5)	D	2H1	Poor crystal, Lattice param. 2H1 approximate, smeared and arc-shaped refl.
BD_5-8	cleaved plate										Poor crystal, lattice par. Not found
BD_5-9	cleaved plate										Poor crystal, lattice par. Not found
BD_5-10	cleaved plate	5.5020(7)	5.5020(7)	14.253(2)	90	90	120	373.66(8)	D	2H1	Almost pure 2H1
BD_5-11	cleaved plate	5.4975(9)	5.4975(9)	14.234(3)	90	90	120	372.54(11)	D	2H1	Almost pure 2H1
BD_5-12	cleaved plate										Lattice parameters not found
BD_5-13	cleaved plate	5.4859(14)	5.4859(14)	14.226(4)	90	90	120	370.77(18)	D		Lattice parameters subfamily structure, char. Refl weak and diffuse.
BD_5-14	cleaved plate										Lattice parameters not found
BD_5-15	cleaved plate	5.498(4)	5.498(4)	14.235(10)	90	90	120	372.7(4)	D	2H2	Poor crystal, reflections arc-shaped

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Batch # 3	Side druse - SD										
SD_1	conical	5.4866(6)	5.4866(6)	14.2151(17)	90	90	120	370.59(7)	D	2H1,(6T3)	2H1 part, reflections of 6T3 (Sequence 5) very weak
SD_2	Trunc. cone	5.4806(7)	5.4806(7)	14.198(2)	90	90	120	369.34(9)	D	2H1, 6T3	2H1 part, reflections of 6T3 weak
SD_3	Trunc. cone	5.4787(6)	5.4787(6)	14.2164(18)	90	90	120	369.56(8)	D	2H1, 6T3	2H1 part, reflections of 6T3 weak, diffusely streaked
SD_4	Trunc. cone	5.4682(7)	5.4682(7)	14.178(2)	90	90	120	367.16(8)	D	2H1, 6T3	2H1 part, reflections of 6T3 weak, diffusely streaked EPMA
SD_5	Trunc. cone	5.4840(7)	5.4840(7)	14.2171(19)	90	90	120	370.28(8)	D	2H1, 6T3	2H1 part, reflections of 6T3 weak, diffusely streaked
SD_6	Cleaved plate	5.4863(6)	5.4863(6)	14.2172(18)	90	90	120	370.60(8)	D	2H1, 6T3	2H1 part, reflections of 6T3 very weak, diffusely streaked
SD_7	Cleaved plate	5.4816(9)	5.4816(9)	14.217(2)	90	90	120	369.96(10)	D	2H1, 6T3	2H1 part, reflections of 6T3 very weak, diffusely streaked, misoriented domain EPMA
SD_8	Triang. plate	5.4805(6)	5.4805(6)	42.717(5)	90	90	120	1111.2(2)	A	6T2, (3T?)	6T2 part, l=2n reflections stronger because of possible presence of 3T
SD_9	Cleaved plate	5.4878(7)	5.4878(7)	14.224(2)	90	90	120	370.97(9)	D	2H1,(6T3)	2H1 part, reflections of 6T3 very weak, weak misoriented domain
SD_10	Trunc. cone	5.4844(6)	5.4844(6)	14.2075(17)	90	90	120	370.09(8)	D	2H1,(6T1, 6T3)	2H1 part, possible presence 6T1 (Sequence 1) and/or 6T3 (Sequence 5), or 2H2
SD_11	Trunc. cone	5.4857(7)	5.4857(7)	14.213(2)	90	90	120	370.40(8)	D	2H1,(6T1, 6T3)	2H1 part, reflections of 6T1 weak, diffusely streaked, also possible 2H2, 6T3
SD_12	Cleaved plate	5.4755(6)	5.4755(6)	14.2577(17)	90	90	120	370.19(7)	D	2H1, (2H2)	2H1 part, reflections of 2H2 very weak, diffusely streaked, traces of 6T1?
SD_13	conical	5.4859(7)	5.4859(7)	14.2299(18)	90	90	120	370.87(8)	D	2H1, 6T3	2H1 part, reflections of 6T3 weak, diffusely streaked

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Batch #4	Internal vein - IV										
IV_1	trunc. cone	5.4777(7)	5.4777(7)	14.2175(18)	90	90	120	369.44(8)	D	2H1,2H2,(6T1?)	Lattice param. 2H1, weak reflections of 6T1?
IV_2	triang. Trunc. pyr.	5.4810(8)	5.4810(8)	42.703(7)	90	90	120	1111.0(3)	A	6T2, 3T	Obverse-reverse, twin, 2-nd domain weak
IV_3	Triang. Plate	5.4779(6)	9.4910(9)	7.3553(8)	90	104.32(1)	90	370.52(6)	A	1M, 2M1	Lattice param. 1M part
		5.4773(5)	9.4901(8)	14.3699(13)	90	97.352(9)	90	740.81(12)	A	1M, 2M1	Lattice param. 2M1 part
IV_4	trunc. cone	5.4777(6)	5.4777(6)	14.2195(17)	90	90	120	369.50(7)	D	2H1,2H2	Lattice param. 2H1, 2H2 refl. weak
IV_5	trunc. cone	5.4822(6)	5.4822(6)	14.2288(17)	90	90	120	370.34(7)	D	2H1,2H2	Lattice param. 2H1, 2H2 refl. weak
IV_6	Triang. Plate	5.4810(11)	9.5036(17)	7.3456(14)	90	104.34(2)	90	370.70(12)	A	1M, 2M1	Lattice param. 1M part
		5.4821(7)	9.5038(12)	14.3558(17)	90	97.34(1)	90	741.82(16)	A	1M, 2M1	Lattice param. 2M1 part
IV_7	Slim cone	5.4843(6)	5.4843(6)	14.2369(15)	90	90	120	370.85(7)	D	2H1,2H2,(6T1?)	Lattice param. 2H1, weak reflections of 2H2, traces of 6T1
IV_8	Slim cone	5.4929(3)	5.4929(3)	42.795(3)	90	90	120	1118.23(12)	D	Mixture	Mixture, crystal cleaved into parts
IV_9	Triang. Plate	5.4836(14)	9.491(2)	7.3560(19)	90	104.37(3)	90	370.85(15)	A	1M, 2M1	Lattice param. 1M part
		5.4834(8)	9.4901(11)	14.3692(18)	90	97.333(12)	90	741.63(16)	A	1M, 2M1	Lattice param. 2M1 part, 2M1 polytype twinned!
IV_10	triang. Trunc. pyr.	5.4823(6)	5.4823(6)	21.361(2)	90	90	120	556.02(10)	A	2T,(2M1)	Lattice param. 3T part, reflections 2M1 weak
IV_11	Slim cone	5.4903(6)	5.4903(6)	14.2454(16)	90	90	120	371.87(7)	D	2H1,(6T1,6T3)	Lattice param. 2H1, possible 6T1 or 6T3 refl. Weak
IV_12	Irreg. plate	5.4768(9)	5.4768(9)	21.382(4)	90	90	120	555.44(16)	A	6T2,1M,2M1	Lattice param. 3T part, reflections 1M, 2M1 weak
IV_13	Thin triang. Plate	5.4847(9)	9.5044(15)	7.3568(13)	90	104.376(17)	90	371.49(11)	A	1M, 2M1	Lattice param. 1M part
		5.4840(7)	9.5038(13)	14.371(2)	90	97.317(12)	90	742.90(17)	A	1M, 2M1	Lattice param. 2M1 part, polytype 2M1 twinned by 120° rotation
IV_14	Slim cone	5.4891(7)	5.4891(7)	14.2404(19)	90	90	120	371.58(8)	D	2H1, 6T3	Lattice param. 2H1 part, crystal cleaved
		5.4891(6)	5.4891(6)	42.643(6)	90	90	120	1112.7(2)	D	2H1, 6T3	Lattice param. 6T3 (Sequence 5) part
IV_15	trunc. cone	5.4909(6)	5.4909(6)	14.2353(16)	90	90	120	371.70(7)	D	2H1,6T1,6T3	Lattice param. 2H1 part
		5.4901(6)	5.4901(6)	42.581(10)	90	90	120	1111.5(3)	D	2H1,6T1,6T3	Lattice param. 6T1, 6T3 part (Sequence 1, Sequence 5)
IV_16	trunc. cone	5.4887(7)	5.4887(7)	14.2354(18)	90	90	120	371.39(8)	D	2H1,2H2,(6T1)	Lattice param. 2H1+2H2 part, reflections of 6T1 weak
IV_17	trunc. cone	5.4840(6)	5.4840(6)	14.2411(17)	90	90	120	370.91(7)	D	2H1,2H2,(6T1)	Lattice param. 2H1+2H2 part, reflections of 6T1 weak
IV_18	trunc. cone	5.4901(7)	5.4901(7)	14.2367(18)	90	90	120	371.62(8)	D	2H1,2H2,(6T1)	Lattice param. 2H1+2H2 part, reflections of 6T1 weak
IV_19	slim trunc. cone	5.4899(6)	5.4899(6)	14.2392(16)	90	90	120	371.66(7)	D	2H1,2H2	Lattice param. 2H1+2H2
IV_20	trunc. cone	5.4903(7)	5.4903(7)	14.251(2)	90	90	120	372.03(8)	D	2H1,2H2	Lattice param. 2H1+2H2
IV_21	trunc. cone	5.4884(6)	5.4884(6)	14.2587(16)	90	90	120	371.96(7)	D	2H1,2H2,(6T1)	Lattice param. 2H1+2H2 part, reflections of 6T1 weak and scarce
IV_22	Triang. Pyramid	5.4953(7)	5.4953(7)	21.374(3)	90	90	120	559.00(12)	A	3T, 2M1	Lattice param. 3T part
		5.4960(9)	9.5176(16)	14.367(2)	90	97.314(17)	90	745.4(2)	A	3T, 2M1	Lattice param. 2M1 part
IV_23	Triang. Cleaved plate	5.4895(18)	9.513(3)	7.348(2)	90	104.40(3)	90	371.7(2)	A	1M, 6T2, (3T?)	Lattice param. 1M part, twinned by 120° rotation, 3T polytype unclear.
		5.4907(8)	5.4907(8)	42.715(7)	90	90	120	1115.2(3)	A	1M, 6T2, (3T?)	Lattice param. 6T2 part
IV_24	trunc. cone	5.4928(8)	5.4928(8)	14.239(2)	90	90	120	372.04(10)	D	2H1,2H2	Lattice param. 2H1+2H2, reflections of 2H2 weak
IV_25	trunc. cone	5.4884(8)	5.4884(8)	14.236(2)	90	90	120	371.38(10)	D	2H1,6T3	Lattice param. 2H1, split into 4 cleaved fragments, studied separately
		5.4882(7)	5.4882(7)	42.698(5)	90	90	120	1113.8(2)	D	2H1,6T3	Lattice param. 6T3 (Sequence 5) part
IV_26	trunc. cone	5.5017(7)	5.5017(7)	14.2435(19)	90	90	120	373.38(8)	D	2H1	Pure 2H1
IV_27	cleaved chunk	5.4943(10)	5.4943(10)	14.256(3)	90	90	120	372.69(12)	D	2H1,(2H2)	Lattice param. 2H1, 2H2 refl. Very weak, diffuse
IV_28	conical	5.4819(9)	5.4819(9)	14.252(3)	90	90	120	370.93(11)	D	2H1,(2H2)	Lattice param. 2H1, 2H2 refl. Very weak, diffuse, misoriented domain
IV_29	trigonal prism	5.4831(9)	5.4831(9)	21.412(4)	90	90	120	557.47(17)	A	3T, 6T2 (2M1?)	Lattice param. 3T part, 6T2 reflections weak, 2M1 uncertain, obverse-reverse twin, crystal lost
IV_30	slim trig. pyramid	5.4825(6)	5.4825(6)	42.708(5)	90	90	120	1111.7(2)	D	6R1,2H1	Lattice parameters of 6R1, dominant in the crystal. Crystal was lost!
		5.4816(10)	5.4816(10)	14.253(3)	90	90	120	370.89(12)	D	6R2,2H1	Lattice parameters 2H1, Reflections of 6T1 very weak
IV_31	Trunc. trig. Pyr.	5.4897(10)	5.4897(10)	42.774(8)	90	90	120	1116.4(4)	A	6T2, (1M?)	Lattice param. 6T2, 2M1 weak and questionable.
IV_32	irregular	5.4859(7)	5.4859(7)	14.247(2)	90	90	120	371.32(9)	D	2H1	Almost pure 2H1, only slightly diffuse streaks
IV_33	Triangular cleaved plate	5.4901(18)	9.5096(16)	7.356(2)	90	104.38(3)	90	372.0(2)	A	1M,2M1,3T	Lattice param. 1M part
		5.4903(10)	9.5096(16)	14.370(3)	90	97.363(16)	90	744.1(2)	A	1M,2M1,3T	Lattice param. 2M1 part
		5.4901(10)	5.4901(10)	21.371(4)	90	90	120	557.86(18)	A	1M,2M1,3T	Lattice param. 3T part
	conical	5.4861(5)	5.4861(5)	42.734(4)	90	90	120	1113.84(18)	D	6R2	6R2, sequence E*U-E*U-E*U- , (Sequence 23), obverse-reverse twin, data collected!!!!
IV_35	Trunc. trig. Pyr.	5.4801(13)	9.498(2)	7.3524(17)	90	104.37(2)	90	370.73(15)	A	1M, 2M1	Lattice param. 1M part, EPMA
		5.4848(10)	9.4936(19)	14.364(3)	90	97.300(17)	90	741.9(2)	A	1M, 2M1	Lattice param. 2M1 part
IV_36	trunc. cone	5.4895(7)	5.4895(7)	14.2395(18)	90	90	120	371.61(8)	D	2H1,(2H2, 6T1)	Lattice param. 2H1, 2H2 refl. Very weak, 6T1 (Sequence 1) questionable
IV_37	Trunc. trig. Pyr.	5.486(2)	9.508(3)	7.353(3)	90	104.35(4)	90	371.6(2)	A	1M, 2M1	Lattice param. 1M part
		5.4928(17)	9.498(3)	14.363(5)	90	97.27(3)	90	743.3(4)	A	1M, 2M1	Lattice param. 2M1 part

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Batch #4	Internal vein - IV, continuation										
IV_38	trunc. cone	5.4910(7)	5.4910(7)	14.2427(19)	90	90	120	371.90(9)	D	2H1,2H2,(6T1?)	Lattice param. 2H1, weak refl. of 2H2, traces of 6T1
IV_39	triang.clv. plate	5.4844(11)	5.4844(11)	42.775(10)	90	90	120	1114.2(4)	A	6T2	Characteristic refl. Diff. Streaked
IV_40	trunc. cone	5.4923(7)	5.4923(7)	14.266(2)	90	90	120	372.69(9)	D	2H1,(2H2)	Lattice param. 2H1, weak refl. of 2H2
IV_41	trunc. cone	5.4893(7)	5.4893(7)	14.2406(19)	90	90	120	371.61(8)	D	2H1,(2H2)	Lattice param. 2H1, very weak refl. of 2H2
IV_42	trunc. cone	5.4853(7)	5.4853(7)	14.2500(19)	90	90	120	371.32(8)	D	2H1,(2H2)	Lattice param. 2H1, weak refl. of 2H2
IV_43	Trunc. trigonal pyramid	5.4808(11)	5.4808(11)	42.783(11)	90	90	120	1113.0(4)	A	6T2,1M	Lattice param. 6T2, obverse-reverse twin, 2-nd domain weak, EPMA
		5.4794(15)	9.493(2)	7.374(2)	90	104.36(3)	90	371.61(18)	A	6T2,1M	Lattice param. 1M
IV_44	Trunc. trig.pyr.	5.4840(10)	5.4840(10)	42.729(9)	90	90	120	1112.9(4)	A	6T2,(1M)	Characteristic refl. Diff. Streaked, 1M content unclear
IV_45	Slim Trunc. cone	5.4902(6)	5.4902(6)	14.2343(16)	90	90	120	371.57(7)	D	2H1,(6T1, 6T3)	Lattice param. 2H1, weak refl. of 6T1 and/or 6T3
IV_46	Cylindrical	5.4870(7)	5.4870(7)	14.2527(19)	90	90	120	371.61(8)	D	2H1,(6T1,6T3?)	Lattice param. 2H1, weak refl. Of 6T1 and/or 6T3
IV_47	Slim cone	5.4958(7)	5.4958(7)	14.260(2)	90	90	120	373.01(9)	D	2H1,(2H2)	Lattice param. 2H1, weak refl. Of 2H2
IV_48	Cleaved plate	5.4945(6)	5.4945(6)	14.2472(19)	90	90	120	372.50(8)	D	2H1,(2H2)	Lattice param. 2H1, very weak refl. Of 2H2
IV_49	Conical	5.4877(7)	5.4877(7)	14.2430(19)	90	90	120	371.46(8)	D	2H1,(2H2)	Lattice param. 2H1, weak refl. Of 2H2
IV_50	trunc. cone	5.4928(8)	5.4928(8)	14.238(2)	90	90	120	372.02(9)	D	2H1,(2H2)	Lattice param. 2H1, very weak refl. Of 2H2
IV_51	Slim cone	5.4890(7)	5.4890(7)	14.2624(19)	90	90	120	372.14(8)	D	2H1,(2H2)	Lattice param. 2H1, weak refl. Of 2H2
IV_52	Slim Trunc. cone	5.4820(7)	5.4820(7)	14.263(2)	90	90	120	371.20(9)	D	2H1,2H2,(6T1?)	Lattice param. 2H1, weak refl. Of 2H2, possible traces of 6T1
IV_53	trunc. cone	5.4914(8)	5.4914(8)	14.247(2)	90	90	120	372.06(9)	D	2H1,(2H2)	Lattice param. 2H1, weak refl. Of 2H2
IV_54	Slim Trunc. cone	5.4933(8)	5.4933(8)	14.247(2)	90	90	120	372.32(9)	D	2H1,2H2,6T1	Lattice param. 2H1, weak refl. Of 2H2, and of 6T1
		5.4928(7)	5.4928(7)	42.734(5)	90	90	120	1116.6(2)	D	2H1,2H2,6T1	Lattice param. Of 6T1
IV_55	trunc. cone	5.4849(10)	5.4849(10)	21.394(4)	90	90	120	557.38(18)	A	3T,6T2	Lattice param. 3T
		5.4855(10)	5.4855(10)	42.761(8)	90	90	120	1114.4(3)	A	3T,6T2	Lattice param. 6T2
IV_56	Slim trig. Pyram.	5.4909(9)	9.5078(15)	14.390(3)	90	97.381(16)	90	745.0(2)	A	2M1, 3T	Lattice param. 2M1, good crystal
		5.4909(12)	5.4909(12)	21.405(6)	90	90	120	558.9(2)	A	2M1, 3T	Lattice param. 3T
IV_57	Slim cone	5.4819(5)	5.4819(5)	42.822(4)	90	90	120	1114.44(18)	A+D	6T2,2M1,	Lattice param. 6T2, 6T1, mixed crystal of A+D subfamilies, A part obverse-reverse twinned
		5.4828(8)	9.4930(13)	14.394(2)	90	97.309(13)	90	743.09(18)	A+D	6T1?,2H1?	Lattice param. 2M1, To be cleaved later
IV_58	trunc. cone	5.4946(8)	5.4946(8)	14.262(2)	90	90	120	372.89(9)	D	2H1,(2H2)	Lattice param. 2H1, very weak refl. Of 2H2
IV_59	Irregular	5.4892(12)	9.509(2)	7.3567(18)	90	104.39(2)	90	371.94(14)	A	1M, 2M1	Lattice param. 1M, mixed crystal, twinned
		5.4906(9)	9.5078(16)	14.374(2)	90	97.330(17)	90	744.2(2)	A	1M, 2M1	Lattice param. 2M1
IV_60	Conical	5.4920(8)	5.4920(8)	14.229(2)	90	90	120	371.67(10)	D	2H1,(6T3)	Lattice param. 2H1, weak refl. of 6T3, (Sequence 5)
IV_61	Trunc. trig.pyr.	5.4823(8)	5.4823(8)	21.406(3)	90	90	120	557.18(14)	A	3T,2M1	Lattice param. 3T, EPMA
		5.4819(11)	9.5033(17)	14.383(3)	90	97.283(17)	90	743.3(2)	A	3T,2M1	Lattice param. 2M1
IV_62	Trunc. trig.pyr.	5.4830(9)	5.4830(9)	42.743(8)	90	90	120	1112.9(3)	A	6T2, 2M1	Lattice param. 6T2
		5.4803(10)	9.504(2)	14.368(3)	90	97.299(19)	90	742.3(3)	A	6T2, 2M1	Lattice param. 2M1
IV_63	Trunc. trig.pyr.	5.4850(11)	9.506(2)	14.377(3)	90	97.33(2)	90	743.5(3)	A	2M1, 3T	Lattice param. 2M1, twinned, EPMA
		5.4853(10)	5.4853(10)	21.394(4)	90	90	120	557.48(19)	A	2M1, 3T	Lattice param. 3T
IV_64	Trunc. trig.pyr.	5.4900(10)	9.4968(14)	14.381(2)	90	97.256(15)	90	743.8(2)	A	2M1, 3T	Lattice param. 2M1, weak obverse-reverse twin, EPMA
		5.4868(8)	5.4868(8)	21.396(3)	90	90	120	557.83(15)	A	2M1, 3T	Lattice param. 3T
IV_65	Trunc. trig.pyr.	5.4876(10)	9.5088(16)	14.379(3)	90	97.243(17)	90	744.3(2)	A (+D)	2M1, 3T,(3A?)	Lattice param. 2M1, obverse-reverse twin, 3A polytype unclear, D reflections weak
		5.4891(9)	5.4891(9)	21.382(4)	90	90	120	557.93(16)	A (+D)	2M1, 3T,(3A?)	Lattice param. 3T
IV_66	Trunc. trig.pyr.	5.4816(11)	5.4816(11)	42.795(9)	90	90	120	1113.6(4)	A	6T2, 2M1	Lattice param. 6T2
		5.4844(11)	9.497(2)	14.382(3)	90	97.23(2)	90	743.1(3)	A	6T2, 2M1	Lattice param. 2M1
IV_67	Trunc. trig.pyr.	5.4932(10)	9.5039(16)	14.372(3)	90	97.311(17)	90	744.2(2)	A	2M1, 3T	Lattice param. 2M1, also possible 1M
		5.4893(8)	5.4893(8)	21.378(3)	90	90	120	557.88(14)	A	2M1, 3T	Lattice param. 3T
IV_68	Cleaved plate	5.4823(8)	5.4823(8)	21.386(3)	90	90	120	556.64(14)	A	3T,6T2	Lattice param. 3T, weak obverse-reverse twin
		5.4831(6)	5.4831(6)	42.755(5)	90	90	120	1113.2(2)	A	3T,6T2	Lattice param. 6T2
IV_69	Trunc. trig.pyr.	5.4877(14)	9.508(2)	14.378(4)	90	97.29(2)	90	744.1(3)	A	2M1, 6T2	Lattice param. 2M1, dominant polytype, crystal split into 4 cleaved fragments!!!!
		5.4873(9)	5.4873(9)	42.801(7)	90	90	120	1116.1(3)	A	2M1, 6T2	Lattice param. 6T2, reflections of 6T2 diffuse and weak
IV_70	Trig. Pyramid	5.4759(9)	5.4759(9)	21.406(4)	90	90	120	555.88(17)	A	3T,2M1	Lattice param. 3T, obverse-reverse twin, reflections 2M1 very weak
IV_71	Trig. Pyramid	5.4825(10)	9.4995(17)	14.385(3)	90	97.278(18)	90	743.2(2)	A	2M1,(3T)	Lattice param. 2M1, dominant polytype, reflections of 3T weak, obverse-reverse twin (weak) crystal split into 4 cleaved fragments!!!!

Cronstedtite - Ouedi Beht, Morocco, lattice parameters and polytypes

Sample	Form	a	b	c	alfa	beta	gama	Volume	Group	Polytype(s)	Note
Batch #4	Internal vein - IV, continuation 2										
IV_72	Trig. Pyramid	5.4819(8)	5.4819(8)	21.422(3)	90	90	120	557.51(14)	A	3T,2M1	Lattice param. 3T
		5.4814(10)	9.4960(16)	14.397(2)	90	97.307(17)	90	743.3(2)	A	3T,2M1	Lattice param. 2M1, twinned
IV_73	Trig. Pyramid	5.4909(13)	9.505(2)	14.376(3)	90	97.39(2)	90	743.9(3)	A	2M1, 3T	Lattice param. 2M1, candidate for cleaving?
		5.4878(12)	5.4878(12)	21.388(5)	90	90	120	557.8(2)	A	2M1, 3T	Lattice param. 3T
IV_74	Conical	5.4891(9)	5.4891(9)	14.251(3)	90	90	120	371.87(11)	D	2H1, (2H2)	2H2 refl. Very weak, another misoriented domain.
IV_75	Conical	5.4920(9)	5.4920(9)	14.235(3)	90	90	120	371.83(11)	D	2H1, 2H2	Lattice param. 2H1, 2H2 to be revised and cleaved (Done, under investigation)
		5.4923(6)	5.4923(6)	42.741(5)	90	90	120	1116.6(2)	D	6R1, 6R2	Lattice param. 6R1, 6R2, or possible sequence [E*U*E+U-E-U+], (Sequence 24)
IV_76	Trig. Pyramid	5.4772(10)	5.4772(10)	21.357(5)	90	90	120	554.87(19)	A	3T,2M1	Lattice param. 3T
		5.4764(12)	9.4904(19)	14.353(3)	90	97.21(2)	90	740.1(3)	A	3T,2M1	Lattice param. 2M1, candidate for cleaving?
IV_77	Trunc. cones	5.4912(8)	5.4912(8)	14.224(2)	90	90	120	371.45(9)	D	2H1,(6T3)	Lattice param. 2H1, reflections of 6T2 very weak and questionable.
IV_78	trig. Column	5.4863(17)	5.4863(17)	42.718(17)	90	90	120	1113.5(7)	A	6T2, (3T)	Lattice param. 6T2, reflections l=2n+1 stronger because of presence of 3T
IV_79	Trunc. trig. Pyr.	5.4843(9)	9.5048(15)	14.375(2)	90	97.275(15)	90	743.3(2)	A	2M1,(3T)	Lattice param. 2M1, twinned, reflections of 3T weak, possible content of other polytypes.
IV_80	Irregular	5.4841(9)	5.4841(9)	21.376(5)	90	90	120	556.76(18)	A	3T, (1M)	Lattice para. 3T, 1M weak, twinned by 120° rotation
IV_81	Conical	5.4874(8)	5.4874(8)	14.242(2)	90	90	120	371.39(9)	D	2H1, (2H2)	Lattice param. 2H1, reflections of 2H2 very weak
IV_82	Slim trig. Pyr.	5.4896(11)	9.5032(17)	14.371(3)	90	97.217(19)	90	743.8(2)	A	2M1, 3T	Lattice param. 2M1
		5.4873(8)	5.4873(8)	21.388(3)	90	90	120	557.72(15)	A	2M1, 3T	Lattice param. 3T
IV_83	Slim trig. Pyr.	5.4881(13)	5.4881(13)	21.375(6)	90	90	120	557.6(2)	A	3T,(1M,2M1)	Lattice param. 3T, presence of 1M due to every third refl. Stronger, 2M1 refl. weak
IV_84	Slim cone	5.4815(8)	5.4815(8)	14.274(2)	90	90	120	371.42(9)	D	2H1	Good crystal
IV_85	Slim cone	5.4829(6)	5.4829(6)	14.268(2)	90	90	120	371.47(8)	D	2H1	Good crystal
IV_86	Slim cone	5.4871(10)	5.4871(10)	14.271(3)	90	90	120	372.12(12)	D	6R3(6R2,2H2?)	Lattice param. 2H2, candidtae for cleaving
		5.4865(5)	5.4865(5)	42.832(3)	90	90	120	1116.59(16)	D	6R3(6R2,2H2?)	Lattice parameters 6R3 [E*U*E+U-E-U+], (Sequence 24) or 6R2 (Sequence 23)
IV_87	Slim trig. Pyr.	5.4886(13)	5.4886(13)	21.398(5)	90	90	120	558.2(2)	A	3T,1M,2M1	Lattice param. 3T
		5.4857(15)	9.510(2)	7.362(2)	90	104.33(3)	90	372.14(17)	A	3T,1M,2M1	Lattice param. 1M
		5.4858(13)	9.510(2)	14.384(3)	90	97.36(2)	90	744.3(3)	A	3T,1M,2M1	Lattice param. 2M1
IV_88	Slim cone	5.4940(8)	5.4940(8)	14.246(2)	90	90	120	372.38(10)	D	2H1, 6T1	Lattice param. 2H1 or 2H2, reflections of 6T1 very weak.
IV_89	Slim cone	5.4840(6)	5.4840(6)	14.2635(16)	90	90	120	371.49(7)	D	2H2, 2H1, (6T1)	Lattice param. 2H1 or 2H2, reflections of 6T1 very weak and unclear.
IV_90	Slim cone	5.4824(8)	5.4824(8)	14.260(2)	90	90	120	371.18(10)	D	2H1,2H2	Lattice param. 2H1 or 2H2
IV_91	Slim cone	5.4932(7)	5.4932(7)	14.244(2)	90	90	120	372.25(9)	D	2H1, 2H2, (6T1)	Lattice param. 2H1 or 2H2, reflections of 6T1 very weak.
IV_92	Slim cone	5.4881(7)	5.4881(7)	14.250(2)	90	90	120	371.71(9)	D	2H1, 6T1, 2H2	Lattice param. 2H1 or 2H2, reflections of 6T1 weak.
IV_93	Irregular	5.4954(9)	5.4954(9)	14.255(2)	90	90	120	372.82(11)	D	2H1,(6T1)	Lattice param. 2H1, reflections of 6T1 very weak, questionable.
IV_94	Slim cone	5.4957(8)	5.4957(8)	14.234(2)	90	90	120	372.30(10)	D	2H1,2H2	Lattice param. 2H1 or 2H2
IV_95	Trunc. cone	5.4803(18)	5.4803(18)	14.240(9)	90	90	120	370.4(3)	D	2H1,(2H2, 6T1?)	Lattice param. 2H1, reflections of 2H2 and 6T1 very weak.
IV_96	Slim cone	5.4885(9)	5.4885(9)	14.256(2)	90	90	120	371.92(10)	D	2H1,(2H2, 6T1?)	Lattice param. 2H1, reflections of 2H2 and 6T1 very weak.
IV_97	Conical	5.4944(8)	5.4944(8)	14.247(2)	90	90	120	372.47(10)	D	2H1,6T1, (6Rx?)	Lattice param. 2H1
		5.4940(7)	5.4940(7)	42.741(5)	90	90	120	1117.3(2)	D	2H1,6T1, (6Rx?)	Lattice param. 6T1,6R1?, 6R2
IV_98	Conical	5.4873(8)	5.4873(8)	14.270(2)	90	90	120	372.11(9)	D	2H1,6R2,(6T3?)	Lattice param. 2H1, split into 4 cleaved fragments, studied separately
		5.4875(7)	5.4875(7)	42.795(6)	90	90	120	1116.0(2)	D	2H1,6R2,(6T3?)	Lattice param. 6R2, 6T3, reflections of 6T3 weak and unclear
IV_99	Trunc. cone	5.4955(8)	5.4955(8)	14.257(2)	90	90	120	372.88(10)	D	2H1, 6T3	Lattice param. 2H1, split into 4 cleaved fragments, studied separately
		5.4960(8)	5.4960(8)	42.765(6)	90	90	120	1118.7(3)	D	2H1, 6T3	Lattice param. 6T3, (Sequence 5)
IV_100	Trunc. cone	5.4928(6)	5.4928(6)	14.2465(16)	90	90	120	372.24(7)	D	2H1,2H2,6T1?	Lattice param. 2H1, 2H2, refl. of 6T1 weak

Cronstedtite - Ouedi Beht, Morocco, lattice parameters and polytypes

Sample	Form	a	b	c	alfa	beta	gama	Volume	Group	Polytype(s)	Note
Batch #4	Internal vein - IV, continuation 3										
IV_101	Slim cone	5.4944(8)	5.4944(8)	14.235(2)	90	90	120	372.15(10)	D	2H1,2H2	2H2 refl. Weak
IV_102	bullet-like	5.4925(7)	5.4925(7)	14.2498(19)	90	90	120	372.29(9)	D	2H1	Almost pure 2H1, diffuse streaks
IV_103	Slim trunc. cone	5.4935(9)	5.4935(9)	14.243(2)	90	90	120	372.24(10)	D	2H1,2H2,(6T1)	Lattice param. 2H1 or 2H2, reflections of 6T1 very weak.
IV_104	Slim cone	5.4860(7)	5.4860(7)	14.2418(19)	90	90	120	371.20(8)	D	2H1,6T1	Lattice param. 2H1, reflections of 6T1 weak.
IV_105	Slim cone	5.4945(8)	5.4945(8)	14.245(2)	90	90	120	372.42(10)	D	2H1,(2H2,6T1?)	Lattice param. 2H1, reflections of 2H2 and 6T1 very weak and questionable.
IV_106	Slim cone	5.4871(8)	5.4871(8)	14.267(2)	90	90	120	372.00(9)	D	2H1,2H2,6T1	Lattice param. 2H1, reflections of 2H2 and 6T1 weak.
IV_107	Slim cone	5.4836(9)	5.4836(9)	14.262(2)	90	90	120	371.41(10)	D	2H1,(2H2,6T1?)	Lattice param. 2H1, reflections of 2H2 and 6T1 very weak and questionable.
IV_108	Acicular	5.4879(7)	5.4879(7)	14.246(2)	90	90	120	371.56(9)	D	2H1,6T1	Lattice param. 2H1, reflections of 6T1 weak.
IV_109	Slim cone	5.4960(6)	5.4960(6)	14.2554(16)	90	90	120	372.90(7)	D	2H1,(2H2,6T1?)	Lattice param. 2H1, reflections of 2H2 very weak and of 6T1 questionable.
IV_110	Slim trunc. cone	5.4873(8)	5.4873(8)	14.267(2)	90	90	120	372.03(10)	D	2H1,(2H2,6T1?)	Lattice param. 2H1, reflections of 2H2 very weak and of 6T1 questionable.
IV_111	Slim cone	5.4846(10)	5.4846(10)	14.263(3)	90	90	120	371.56(12)	D	2H1,(2H2,6T1?)	Lattice param. 2H1, reflections of 2H2 very weak and of 6T1 questionable.
IV_112	Slim cone	5.4884(6)	5.4884(6)	14.2423(17)	90	90	120	371.54(8)	D	2H1,(2H2)	Lattice param. 2H1, reflections of 2H2 very weak
IV_113	Conical	5.4852(9)	5.4852(9)	14.269(3)	90	90	120	371.80(11)	D	2H1,(2H2)	Lattice param. 2H1, reflections of 2H2 very weak
IV_114	Conical	5.4890(7)	5.4890(7)	14.251(2)	90	90	120	371.84(9)	D	2H1,(2H2)	Lattice param. 2H1, reflections of 2H2 weak
IV_115	Slim trig. Pyr.	5.4870(8)	5.4870(8)	21.398(4)	90	90	120	557.92(15)	A	3T, 6T2, 2M1?	Lattice param. 3T, interpretation unclear and ambiguous, also obverse-reverse twin, EPMA
IV_116	Conical	5.4803(6)	5.4803(6)	14.2526(18)	90	90	120	370.71(8)	D	2H1,(2H2)	Lattice param. 2H1, reflections of 2H2 weak
IV_117	Slim trunc. cone	5.4943(7)	5.4943(7)	14.2584(19)	90	90	120	372.75(9)	D	2H1,(2H2,6Rx)	Lattice param. 2H1, reflections of 2H2 and 6Rx very weak.
IV_118	Conical	5.4923(8)	5.4923(8)	14.251(2)	90	90	120	372.30(9)	D	2H1,(2H2)	Lattice param. 2H1, reflections of 2H2 weak
IV_119	Acicular, trig.	5.4771(9)	5.4771(9)	21.411(4)	90	90	120	556.25(17)	A	3T,2M1	Lattice param. 3T, 2M1 twinned, also obverse-reverse twin
IV_120	Acicular	5.4940(10)	5.4940(10)	14.251(3)	90	90	120	372.52(12)	D	2H1,(2H2,6T1?)	Lattice param. 2H1, reflections of 2H2 very weak and of 6T1 questionable.
IV_121	Slim trunc. cone	5.4833(8)	5.4833(8)	14.265(2)	90	90	120	371.44(10)	D	2H1,(2H2)	Lattice param. 2H1, reflections of 2H2 very weak, few other refl. present
IV_122	Slim trunc. cone	5.4937(8)	5.4937(8)	14.254(2)	90	90	120	372.55(9)	D	2H1,6T1	Lattice param. 2H1, reflections of 6T1 weak.
IV_123	Conical	5.4850(6)	5.4850(6)	14.2345(17)	90	90	120	370.87(7)	D	2H1	Lattice param. 2H1
IV_124	Conical	5.4831(7)	5.4831(7)	14.253(2)	90	90	120	371.10(8)	D	2H1,6T1	Lattice param. 2H1, reflections of 6T1 weak.
IV_125	Slim trunc. cone	5.4942(7)	5.4942(7)	14.251(2)	90	90	120	372.56(9)	D	2H1,(2H2,6T1?)	Lattice param. 2H1, reflections of 2H2 very weak and of 6T1 questionable EPMA
IV_126	Slim trunc. cone	5.4927(10)	5.4927(10)	14.255(3)	90	90	120	372.45(12)	D	2H1,6T1	Lattice param. 2H1, reflections of 6T1 very weak.
IV_127	Slim cone	5.4925(9)	5.4925(9)	14.256(3)	90	90	120	372.45(11)	D	2H1	Lattice param. 2H1
IV_128	Conical	5.4878(9)	5.4878(9)	14.249(2)	90	90	120	371.62(10)	D	2H1,6T1	Lattice param. 2H1, reflections of 6T1 weak. cand. EPMA selected
IV_129	Slim cone	5.4848(9)	5.4848(9)	14.264(2)	90	90	120	371.62(11)	D	2H1	Lattice param. 2H1
IV_130	Slim trig. Pyr.	5.4844(13)	5.4844(13)	21.400(6)	90	90	120	557.5(2)	A	3T,2M1	Lattice param. 3T, 2M1 weak, also obverse-reverse twin
IV_131	Slim cone	5.4981(14)	5.4981(14)	14.258(4)	90	90	120	373.26(18)	D	2H2, 6R2	Lattice param. 2H2, 6R2 refl. Weak, possibly also 6T6
IV_132	Slim trunc. cone	5.4778(11)	5.4778(11)	14.195(3)	90	90	120	368.88(13)	D	2H1,2H2	Lattice param. 2H1, reflections of 2H2 weak. cand. EPMA selected
IV_133	Slim hyperboloid	5.4952(7)	5.4952(7)	14.2606(19)	90	90	120	372.94(8)	D	2H1	Lattice param. 2H1, diffuse streaks, scarce weak reflections 2H2, 6T1.
IV_134	Slim hyperboloid	5.4926(8)	5.4926(8)	14.251(2)	90	90	120	372.33(9)	D	2H1	Lattice param. 2H1, diffuse streaks, scarce weak refl.s 2H2, 6T1, misoriented domains.
IV_135	Slim trig. Pyr.	5.4781(14)	5.4781(14)	21.355(5)	90	90	120	555.0(2)	A	not det.	Lattice param. Subfamily structure, char. Refl. Streaked
IV_136	Slim cone	5.4746(11)	5.4746(11)	21.388(5)	90	90	120	555.2(2)	A+D	3T,6T2, 2H1	Lattice param. 3T, subfamily A part obverse-reverse twin. Crystal cleaved
		5.4764(13)	5.4764(13)	42.738(11)	90	90	120	1110.0(5)	A+D	3T,6T2, 2H1	Lattice param. 6T2
		5.4783(11)	5.4783(11)	14.229(3)	90	90	120	369.83(14)	A+D	3T,6T2, 2H1	Lattice param. 2H1

Cronstedtite - Ouedi Beht, Morocco, lattice parameters and polytypes

Sample	Form	a	b	c	alfa	beta	gama	Volume	Group	Polytype(s)	Note
Batch #4	Internal vein - IV, continuation 4										
IV_137	slim cone	5.4878(8)	5.4878(8)	14.248(2)	90	90	120	371.62(9)	D	2H1,(2H2)	Lattice param. 2H1, reflections of 2H2 weak
IV_138	slim trunc. cone	5.4925(10)	5.4925(10)	14.257(3)	90	90	120	372.47(12)	D	2H1,(2H2)	Lattice param. 2H1, reflections of 2H2 weak , cand. EPMA selected
IV_139	slim trunc. cone	5.4914(8)	5.4914(8)	14.250(2)	90	90	120	372.16(10)	D	2H1,(2H2)	Lattice param. 2H1, reflections of 2H2 weak
IV_140	slim cone	5.4945(7)	5.4945(7)	14.2670(19)	90	90	120	373.02(8)	D	2H1,(2H2)	Lattice param. 2H1, reflections of 2H2 very weak
IV_141	Irregular	5.4984(15)	5.4984(15)	21.387(6)	90	90	120	560.0(3)	A	3T, 2M1	Lattice param. 3T, reflections of 2M1 weak
IV_142	bullet like	5.4902(12)	9.5058(19)	14.380(3)	90	97.274(18)	90	744.4(3)	A	2M1, (3T)	Lattice param. Of the dominant 2M1, refl. of 3T very weak
IV_143	slim cone	5.4912(7)	5.4912(7)	14.248(2)	90	90	120	372.06(9)	D	2H1,(2H2)	Lattice param. 2H1, reflections of 2H2 weak
IV_144	slim trunc. cone	5.4939(9)	5.4939(9)	14.264(2)	90	90	120	372.86(11)	D	2H1,(2H2)	Lattice param. 2H1, reflections of 2H2 very weak
IV_145	almost acicular	5.4882(14)	5.4882(14)	21.416(5)	90	90	120	558.6(2)	A	3T, 2M1	Lattice param. 3T, 2M1 present, obverse-reverse twin, misoriented domains, poor cryst
IV_146	very slim cone	5.5004(6)	5.5004(6)	42.770(5)	90	90	120	1120.6(2)	D	6T5	Possibly Sequence 8 or Sequence 10, crystal was lost!
IV_147	slim deform. Cone	5.4950(11)	5.4950(11)	14.261(3)	90	90	120	372.93(14)	D	2H1	Lattice param. 2H1
IV_148	slim trunc. cone	5.4862(9)	5.4862(9)	14.265(2)	90	90	120	371.84(11)	D	2H1,(2H2)	Lattice param. 2H1, reflections of 2H2 very weak
IV_149	almost acicular	5.480(2)	9.491(4)	7.365(3)	90	104.40(4)	90	371.0(3)	A	1M, 2M1	Lattice param. 1M
IV_150	slim trig. Pyr.	5.4825(10)	9.5024(18)	14.390(3)	90	97.328(16)	90	743.6(2)	A	2M1, (3T)	Lattice param. Of the dominant 2M1, refl. of 3T weak
IV_151	bullet like	5.4845(8)	5.4845(8)	14.272(2)	90	90	120	371.79(10)	D	2H1,(2H2,6T1)	Lattice param. 2H1, reflections of 2H2 and 6T1 weak, cand. EPMA selected
IV_152	conical	5.4900(8)	5.4900(8)	14.268(2)	90	90	120	372.43(10)	D	2H1,(2H2)	Lattice param. 2H1, reflections of 2H2 very weak
IV_153	conical	5.4932(9)	5.4932(9)	14.255(3)	90	90	120	372.53(12)	D	2H1,(2H2)	Lattice param. 2H1, reflections of 2H2 very weak
IV_154	conical	5.4902(9)	5.4902(9)	14.246(2)	90	90	120	371.89(11)	D	2H1,(6R1,6R2)	Lattice param. 2H1, reflections of other polytypes very weak cand. EPMA selected
IV_155	conical	5.4961(9)	5.4961(9)	14.259(2)	90	90	120	373.03(11)	D	2H1,(6T1?)	Lattice param. 2H1, reflections of 6T1 very weak
IV_156	conical	5.4892(10)	5.4892(10)	14.271(3)	90	90	120	372.39(12)	D	2H1,(6?)	Lattice param. 2H1, other not det., reflections very weak
IV_157	conical	5.4926(11)	5.4926(11)	14.252(3)	90	90	120	372.36(13)	D	2H1,(6T1?)	Lattice param. 2H1, reflections of 6T1 very weak
IV_158	conical	5.4874(12)	5.4874(12)	14.248(3)	90	90	120	371.54(15)	D	2H1	Lattice param. 2H1, pure polytype, no diffuse streaks
IV_159	conical	5.4872(8)	5.4872(8)	14.238(3)	90	90	120	371.27(10)	D	2H1,(6T1?)	Lattice param. 2H1, reflections of 6T1 very weak
IV_160	conical	5.4887(10)	5.4887(10)	14.261(3)	90	90	120	372.07(12)	D	2H1,(6T1?)	Lattice param. 2H1, reflections of 6T1 very weak
IV_161	Trig. Pyramyd	5.4850(12)	5.4850(12)	21.399(6)	90	90	120	557.5(2)	A	3T, 2M1	Lattice param. 3T, 2M1 present, good crystal
		5.4906(13)	9.496(2)	14.388(4)	90	97.37(2)	90	744.0(3)	A	3T, 2M1	Lattice param. 2M1
IV_162	slim trig. Pyr.	5.4938(7)	9.5130(11)	14.4046(17)	90	97.312(11)	90	746.69(15)	A	2M1, (3T)	Almost pure 2M1
IV_163	conical	5.4927(9)	5.4927(9)	14.264(3)	90	90	120	372.69(11)	D	2H1,(2H2)	Lattice param. 2H1, reflections of 2H2 weak
IV_164	deform. Cone	5.4952(9)	5.4952(9)	14.247(2)	90	90	120	372.58(10)	D	2H1,(2H2)	Lattice param. 2H1, reflections of 2H2 weak
IV_165	conical	5.4911(10)	5.4911(10)	14.243(3)	90	90	120	371.93(12)	D	2H1,(2H2)	Lattice param. 2H1, reflections of 2H2 very weak
IV_166	deform. Cone	5.4938(9)	5.4938(9)	14.258(3)	90	90	120	372.69(11)	D	2H1	"Pure" polytype
IV_167	Conical	5.4876(7)	5.4876(7)	14.245(2)	90	90	120	371.51(9)	D	2H1	"Pure" polytype
IV_168	conical	5.4940(9)	5.4940(9)	42.693(11)	90	90	120	1116.0(4)	D	not det.	Probably mixture of polytypes, candidate for later partition
IV_169	Conical	5.476(2)	5.476(2)	42.73(2)	90	90	120	1110.0(8)	D	not det.	Probably mixture of polytypes, data collected, candidate for later partition
IV_170	Cleaved plate	5.4885(9)	5.4885(9)	14.264(3)	90	90	120	372.13(11)	D	2H1	"Pure" polytype
IV_171	Acicular	5.4945(9)	5.4945(9)	21.432(3)	90	90	120	560.34(15)	A	3T, 2M1	Lattice param. 3T
		5.4940(8)	9.5218(15)	14.4048(19)	90	97.344(13)	90	747.37(18)	A	3T, 2M1	Lattice param. 2M1, slightly twinned

Cronstedtite - Ouedi Beht, Morocco, lattice parameters and polytypes

Sample	Form	a	b	c	alfa	beta	gama	Volume	Group	Polytype(s)	Note
Batch #4	Internal vein - IV, cleaved fragments										
IV_98P	conical	5.4967(7)	5.4967(7)	42.746(7)	90	90	120	1118.5(3)	D	6R2	Peak part of the cryst., 6R2 polytype, E*U-E*U-E*U- (Sequence 23)
IV_98T	truncated cone	5.4856(6)	5.4856(6)	42.706(5)	90	90	120	1112.9(2)	D	6R2	Top part of the cryst., 6R2 polytype, (Sequence 23), weak obv.-rev. Twin
IV_98M	truncated cone	5.4903(10)	5.4903(10)	14.267(3)	90	90	120	372.45(12)	D	2H1, 6R2	Middle part of the crystal, lattice param. 2H1
		5.4896(7)	5.4896(7)	42.806(5)	90	90	120	1117.1(2)	D	2H1, 6R2	Middle part of the crystal, lattice param. 6R2
IV_98B	truncated cone	5.4865(7)	5.4865(7)	14.275(2)	90	90	120	372.14(9)	D	2H1,6T3	Bottom part of the cryst., lattice param. 2H1, refl. Of 6T3 weak
IV_69P	Trig. Cleav. plate	5.4909(11)	9.499(2)	4.391(3)	90	97.334(19)	90	744.5(3)	A	2M1, (6T2)	Peak part of the cryst., 2M1 polytype, refl. of 6T2 very weak and scarce
IV_69T	Trig. Cleav. plate	5.4816(7)	9.4985(11)	14.3683(19)	90	97.300(13)	90	742.06(16)	A	2M1, (6T2)	Top part of the cryst., 2M1 polytype, refl. of 6T2 very weak
IV_69M	Trig. Cleav. plate	5.4939(19)	9.4947(12)	14.381(2)	90	97.25(2)	90	744.2(3)	A	2M1, 6T2	Middle part of the crystal, lattice param. 2M1
		5.4855(7)	5.4855(7)	42.818(5)	90	90	120	1115.8(2)	A	2M1, 6T2	Middle part of the crystal, lattice param. 6T2
IV_69B	Trig. Cleav. plate	5.4868(9)	9.5062(15)	14.391(3)	90	97.229(17)	90	744.7(2)	A	2M1, 6T2	Bottom part of the cryst., lattice param. 2M1, weak obverse-reverse twin
		5.4865(10)	5.4865(10)	42.817(8)	90	90	120	1116.2(4)	A	2M1, 6T2	Bottom part of the cryst., lattice param. 6T2
IV_71P	irregular	5.4906(15)	9.505(2)	14.374(4)	90	97.32(3)	90	744.0(3)	A	2M1	Peak part of the cryst., 2M1 polytype
IV_71T	Trunc. trig. Pyr.	5.4954(8)	9.5108(13)	14.3899(19)	90	97.356(12)	90	745.91(17)	A	2M1	Top part of the cryst., 2M1 polytype
IV_71M	Trig. Cleav. plate	5.4929(5)	9.5120(8)	14.4103(13)	90	97.352(9)	90	746.73(12)	A	2M1	Middle part of the crystal, 2M1 polytype
IV_71B	Trig. Cleav. plate	5.4721(14)	5.4721(14)	21.444(6)	90	90	120	556.1(2)	A	3T, 2M1	Bottom part of the cryst., lattice param. 3T, weak obverse-reverse twin
		5.4696(13)	9.481(2)	14.402(4)	90	97.17(2)	90	741.0(3)	A	3T, 2M1	Bottom part of the cryst., lattice param. 2M1,
IV_14P	trunc. cone	5.4903(8)	5.4903(8)	14.229(3)	90	90	120	371.44(10)	D	2H1, (2H2)	Peak part of the cryst., 2H1 polytype, reflections 2H2 weak.
IV_14T	trunc. cone	5.4978(9)	5.4978(9)	42.738(7)	90	90	120	1118.7(3)	D	6T3	Top part of the cryst., 6T3 polytype, E*U*E*U*E+U- (Sequence Sequence 5), weak 2H2 or 6T1
IV_14M	trunc. cone	5.4896(7)	5.4896(7)	42.745(5)	90	90	120	1115.6(3)	D	6T3 (2H1)	Middle part of the cryst., 6T3 polytype, E*U*E*U*E+U- (Sequence Hall 5), (susp. also 2H1)
IV_14B	cleav. round plate	5.4964(6)	5.4964(6)	42.744(4)	90	90	120	1118.28(19)	D	6T3 (2H1)	Bottom part of the cryst., 6T3 polytype, E*U*E*U*E+U- (Sequence Hall 5), (susp. also 2H1)
IV_25P	cleav. round plate	5.4912(9)	5.4912(9)	42.723(7)	90	90	120	1115.6(3)	D	6T3, 2H1	Peak part of the cryst., 6T3, (Sequence 5), possibly also 2H1
IV_25T	cleav. round plate	5.4862(8)	5.4862(8)	42.691(6)	90	90	120	1112.8(3)	D	6T3, 2H1	Top part of the cryst., 6T3, (Sequence 5), possibly also 2H1
IV_25M	cleav. round plate	5.4913(9)	5.4913(9)	42.752(7)	90	90	120	1116.4(3)	D	6T3, 2H1	Middle part of the cryst., 6T3, (Sequence 5), possibly also 2H1
IV_25B	cleav. round plate	5.4895(7)	5.4895(7)	42.765(5)	90	90	120	1116.1(2)	D	6T3, 2H1	Bottom part of the cryst., 6T3, (Sequence 5), possibly also 2H1
IV_99P	trunc. cone	5.5030(8)	5.5030(8)	42.770(7)	90	90	120	1121.7(3)	D	6T3, 2H1	Peak part of the cryst., 6T3, (Sequence 5), possibly also 2H1
IV_99T	cleav. round plate	5.480(3)	5.480(3)	14.255(9)	90	90	120	370.8(4)	D	2H1	Top part of the cryst., only 2H1 polytype, poor crystal, misoriented domains
IV_99M	trunc. cone	5.4940(5)	5.4940(5)	14.2569(15)	90	90	120	372.68(6)	D	2H1, 6T3	Middle part of the cryst., paramerets 2H1 polytype, reflections 6T3 weak, not good.
IV_99B	cleav. round plate	5.547(9)	5.547(9)	14.37(3)	90	90	120	383(1)	D	2H1	Bottom part of the cryst., 2H1 polytype, poor crystal, arc shaped reflections
IV_136P	Irregular	5.4758(11)	9.4838(16)	14.382(4)	90	97.327(19)	90	740.8(3)	A	2M1	Peak part of the cryst., weak reflections, some refl. Arc shaped, poor cryst.
IV_136T	Irregular	5.4831(10)	9.4997(15)	7.3835(12)	90	104.30(2)	90	372.67(11)	A	1M,(6T2)	Top part of the cryst., lattice param. 1M, refl. 6T2 very weak, diff. Streaks
IV_136M1	cleaved Plate	5.4787(15)	9.480(2)	14.414(4)	90	97.27(2)	90	742.6(3)	A	2M1, 3T	Upper Middle part, parameters 2M1, refl. 3T weak.
IV_136M2	irregular	5.4850(7)	5.4850(7)	42.740(6)	90	90	120	1113.6(3)	D	ambiguous	Lower Middle part, contains 2H1?+2H2?+6R2?+6R3?, to be further split?
IV_136B1	Irregular	5.4882(9)	5.4882(9)	14.270(3)	90	90	120	372.23(12)	D	2H1,(2H2)	Bottom 1 part of the cryst., lattice param. 2H1, refl. 2H2 very weak
IV_136B2	Irregular	5.4906(11)	5.4906(11)	14.251(4)	90	90	120	372.06(14)	D	2H1, (2H2,6T1)	Bottom 2 part of the cryst., lattice param. 2H1, refl. 2H2 and 6T1? very weak
IV_6T	cleaved Plate	5.4873(17)	9.518(3)	7.361(2)	90	104.36(3)	90	372.44(19)	A	2M1, 2M2	Top part of the cryst., lattice param. 1M
		5.4917(8)	9.5197(14)	14.3864(19)	90	97.344(13)	90	745.94(18)	A	2M1,2M2	Top part of the cryst., lattice param. 2M1
IV_6B	cleaved Plate	5.4920(14)	9.522(2)	7.3685(18)	90	104.35(2)	90	373.30(16)	A	2M1, 2M2	Bottom part of the cryst., lattice param. 1M
		5.4939(10)	9.5213(17)	14.399(2)	90	97.371(16)	90	747.0(2)	A	2M1, 2M2	Bottom part of the cryst., lattice param. 2M1

Cronstedtite - Ouedi Beht, Morocco, lattice parameters and polytypes

Sample	Form	a	b	c	alfa	beta	gama	Volume	Group	Polytype(s)	Note
Batch #4	Internal vein - IV, cleaved fragments 2										
IV_8P	trunc. cone	5.4919(8)	5.4919(8)	42.747(7)	90	90	120	1116.6(3)	D	6R1	"Pure" 6R1
IV_8T	trunc. cone	5.4980(8)	5.4980(8)	42.831(5)	90	90	120	1121.2(3)	D	6R1	"Pure" 6R1
IV_8M1	thick cleaved pl.	5.4898(5)	5.4898(5)	42.783(4)	90	90	120	1116.66(18)	D	6R2? Or 6H2??	6H2? E-U-E*U+E+U* , (Sequence 14), or 6R2 obverse reverse twin
IV_8M2	trunc. cone	5.4849(6)	5.4849(6)	42.805(5)	90	90	120	1115.2(2)	D	??	More polytypes, interpretaion unclear, split into IV_8M21, IV_8M22
IV_8M21	cleaved plate	5.4898(7)	5.4898(7)	42.802(6)	90	90	120	1117.1(2)	D	6T4	6T4 Polytype E*U*E+U+E*U+ (Seq. 11) or E*U*E+U*E+U+ (Seq. 12), crystal lost
IV_8M22	cleaved plate	5.4768(9)	5.4768(9)	14.251(2)	90	90	120	370.19(10)	D	2H1 (2H2)	Polytype 2H1, small amount of 2H2
IV_8B1	cleaved plate	5.4831(14)	5.4831(14)	14.269(4)	90	90	120	371.53(18)	D	2H1	"Pure" 2H1, weak misoriented domains
IV_8B2	irregular	5.4827(14)	5.4827(14)	42.816(15)	90	90	120	1114.6(6)	D	6T3	6T3 Polytype E*U*E*U*E+U- (Sequence Sequence 5), data collected
IV_75P	trunc. cone	5.4950(13)	5.4950(13)	42.759(17)	90	90	120	1118.1(6)	D	6R2	Peak part of the cryst., 6R2 polytype, E*U-E*U-E*U- (Sequence 23)
IV_75T	cleaved plate	5.4892(13)	5.4892(13)	42.693(9)	90	90	120	1114.0(4)	D	6R2	Top part of the crystal, 6R2 polytype, E*U-E*U-E*U- (Sequence 23)
IV_75M	cleaved chunk	5.4942(5)	5.4942(5)	42.794(4)	90	90	120	1118.73(18)	D	6T5	Middle part, 6T5, E*U-E-U+E*U+ or E*U+E*U+E-U- (Sequence 8 or 10), cata coll.
IV_75B	cleaved plate	5.4939(7)	5.4939(7)	42.769(6)	90	90	120	1118.0(2)	D	6T1	Bottom, Probably 6T1, E-U+E-U+E*U* (Sequence1), data collected, repeatedly
IV_168P	conical	5.4857(6)	5.4857(6)	42.702(6)	90	90	120	1112.9(2)	D	6R2	Peak part of the cryst., 6R2 polytype, E*U-E*U-E*U- (Sequence 23)
IV_168T	trunc. cone	5.4874(8)	5.4874(8)	42.715(6)	90	90	120	1113.9(3)	D	6H2	Top part of the crystal, 6R2 polytype, E*U-E*U-E*U- (Sequence 23)
IV_168M1	cleaved plate	5.4859(6)	5.4859(6)	42.704(6)	90	90	120	1113.0(2)	D	6R2	Polytype 6R2, (Seq.23), obverse-reverse twin
IV_168M2	cleaved chunk	5.4913(5)	5.4913(5)	42.801(4)	90	90	120	1117.74(18)	D	6H2	6H2? Polytype E-U-E*U+E+U* (Sequence 14), or 6R2 obv.-rev. twin
IV_168B	cleaved chunk	5.4788(7)	5.4788(7)	42.753(5)	90	90	120	1111.4(2)	D	6T?	E*U*E*U+E*U- (Sequence 20) or mix. of polytypes, data collected, to be further split
IV_168U	slim trig. Pyram.	5.4938(7)	9.5147(12)	14.4020(17)	90	97.303(11)	90	746.71(16)	A	2M1	Fragment attached on the cryst., 2M1, good crystal
IV_2P	Cleaved plate	5.4947(7)	5.4947(7)	42.838(6)	90	90	120	1120.1(2)	A	6T2, 3T	Peak part, lattice param. 6T2
IV_2T	Cleaved plate	5.4960(9)	5.4960(9)	42.804(7)	90	90	120	1119.7(3)	A	6T2, 1M, 3T	Top part, lattice param. 6T2
IV_2M1	Cleaved plate	5.4955(8)	5.4955(8)	42.790(7)	90	90	120	1119.1(3)	A	6T2, 3T	Middle part 1, Lattice param. 6T2
		5.4964(9)	5.4964(9)	21.413(4)	90	90	120	560.23(17)	A	6T2, 3T	Lattice param. 3T
IV_2M2	Cleaved plate	5.4879(9)	5.4879(9)	42.842(7)	90	90	120	1117.4(3)	A	???	Middle part 2, more polytypes, Lattice param. Formally six layer, data collected!
IV_2B1	Irregular	5.4907(13)	5.4907(13)	42.849(10)	90	90	120	1118.7(4)	A	6T2, 1M	Bottom part 1, Lattice param. 6T2. Misoriented domains
		5.4882(12)	9.5163(18)	7.3693(15)	90	104.39(2)	90	372.81(13)	A	6T2, 1M	Lattice param. 1M
IV_2B2	Irregular	5.4922(14)	5.4922(14)	42.861(11)	90	90	120	1119.7(5)	A	6T2, 1M	Bottom part 2, Lattice param. 6T2. Misoriented domains

Cronstedtite - Ouedi Beht, Morocco, lattice parameters and polytypes

Sample	Form	a	b	c	alfa	beta	gama	Volume	Group	Polytype(s)	Note
Batch #5	Outer vein 1 - OV1										
OV1_1	Trunc. cone	5.4802(6)	5.4802(6)	14.2196(18)	90	90	120	369.84(8)	D	2H1,(6T3)	Lattice param. 2H1, reflections of 6T3 (Sequence 5) weak and diffuse.
OV1_2	Slim trig. Pyr.	5.464(3)	9.506(7)	14.358(10)	90	97.42(7)	90	739.5(8)	A	2M1, 3T	Lattice param. 2M1, twinned
		5.475(2)	5.475(2)	21.382(11)	90	90	120	555.2(4)	A	2M1, 3T	Lattice param. 3T
OV1_3	cone fragment	5.4912(7)	5.4912(7)	14.2431(18)	90	90	120	371.93(8)	D	2H1,(6T3)	Lattice param. 2H1, reflections of 6T3 (Sequence 5) very weak and diffuse.
OV1_4	Columnar	5.4864(7)	5.4864(7)	14.2603(18)	90	90	120	371.74(8)	D	2H1,(6T3)	Lattice param. 2H1, reflections of 6T3 (Sequence 5) very weak and diffuse.
OV1_5	Trunc. cone	5.4843(11)	5.4843(11)	14.248(3)	90	90	120	371.14(13)	D	2H1,(6T3)	Lattice param. 2H1, reflections of 6T3 (Sequence 5) very weak and diffuse.
OV1_6	Trunc. trig. Pyr.	5.4895(7)	5.4895(7)	21.355(3)	90	90	120	557.32(12)	A	3T, 2M1	Lattice param. 3T
		5.4875(9)	9.5085(13)	14.353(2)	90	97.328(14)	90	742.81(19)	A	3T,2M1	Lattice param. 2M1, twinned
OV1_7	Trunc. trig. Pyr.	5.4913(6)	5.4913(6)	21.362(3)	90	90	120	557.86(11)	A	3T, 2M1	Lattice param. 3T, slight obverse-reverse twin. EPMA.
		5.4893(9)	9.5145(15)	14.358(2)	90	97.343(15)	90	743.7(2)	A	3T,2M1	Lattice param. 2M1
OV1_8	Trunc. cone	5.4864(7)	5.4864(7)	14.258(2)	90	90	120	371.67(9)	D	2H1,(6T3)	Lattice param. 2H1, reflections of 6T3 (Sequence 5) very weak and diffuse.
OV1_9	Cleaved round pl.	5.4876(9)	5.4876(9)	14.2301(14)	90	90	120	371.17(8)	D	2H1,(6T3)	Lattice param. 2H1, reflections of 6T3 (Sequence 5) weak and diffuse.
OV1_10	Trunc. cone	5.4844(7)	5.4844(7)	14.228(2)	90	90	120	370.61(8)	D	2H1,(6T3)	Lattice param. 2H1, reflections of 6T3 (Sequence 5) weak and diffuse.
OV1_11	Thick trig. Plate	5.4953(11)	5.4953(11)	21.382(5)	90	90	120	559.2(2)	A	3T,6T2	Lattice param. 3T, small amount of second domain of the obverse-reverse twin
		5.4970(12)	5.4970(12)	42.742(9)	90	90	120	1118.5(4)	A	3T,6T2	Lattice param. 6T2
OV1_12	Conical	5.4864(8)	5.4864(8)	14.222(2)	90	90	120	370.75(9)	D	2H1,(6T3)	Lattice param. 2H1, reflections of 6T3 (Sequence 5) weak and diffuse.
OV1_13	Conical	5.4895(7)	5.4895(7)	14.237(2)	90	90	120	371.55(9)	D	2H1,(6T3)	Lattice param. 2H1, reflections of 6T3 (Sequence 5) very weak and diffuse.
OV1_14	Cleaved round pl.	5.4692(10)	5.4692(10)	14.279(3)	90	90	120	369.90(12)	D	2H1, 2H2	Poor cryst., reflections arc-shaped, misoriented domains
OV1_15	Trig. Cleav. plate	5.4834(16)	5.4834(16)	21.386(7)	90	90	120	556.9(3)	A	3T, 2M1	Poor cryst., reflections arc-shaped, misoriented domains, 2M1 part probably twinned
OV1_16	Trunc. trig. Pyr.	5.4876(8)	5.4876(8)	21.368(4)	90	90	120	557.27(15)	A	3T, 2M1	Lattice param. 3T, obverse-reverse twin
		5.4877(9)	9.5073(14)	14.365(2)	90	97.376(15)	90	743.2(2)	A	3T,2M1	Lattice param. 2M1, polytype 2M1 twinned
OV1_17	Conical	5.4894(7)	5.4894(7)	14.2406(17)	90	90	120	371.62(8)	D	2H1,(6T3)	Lattice param. 2H1, reflections of 6T3 (Sequence 5) weak and diffuse.
OV1_18	Trunc. trig. Pyr.	5.4873(13)	9.5078(19)	7.3607(17)	90	104.39(2)	90	371.97(14)	A	1M, 2M1	Lattice param. 1M, EPMA
		5.4887(10)	9.5080(17)	14.378(3)	90	97.254(18)	90	744.3(2)	A	1M, 2M1	Lattice param. 2M1, twinned
OV1_19	Trunc. cone	5.4947(7)	5.4947(7)	14.2349(19)	90	90	120	372.19(9)	D	2H1	Almost pure 2H1
OV1_20	Cleaved plate	5.4836(6)	5.4836(6)	14.2249(17)	90	90	120	370.43(7)	D	2H1, (2H2)	Lattice param. 2H1, reflections of 2H2 very weak and diffuse.
OV1_21	Trunc. cone	5.4880(8)	5.4880(8)	14.233(2)	90	90	120	371.25(9)	D	2H1,(6T3)	Lattice param. 2H1, reflections of 6T3 (Sequence 5) very weak and diffuse.
OV1_22	Conical	5.4913(6)	5.4913(6)	14.2328(17)	90	90	120	371.68(8)	D	2H1	Almost pure 2H1
Batch #6	Outer vein 2 - OV2										
OV2_1	Slim cone	5.4821(14)	5.4821(14)	21.386(6)	90	90	120	556.6(2)	A	3T+1M+2M1	Mixed crystal, lattice param. 3T
		5.483(2)	9.500(3)	7.358(3)	90	104.41(4)	90	371.3(2)	A	3T+1M+2M1	Lattice param. 1M
		5.4824(15)	9.500(2)	14.373(3)	90	97.28(2)	90	742.6(3)	A	3T+1M+2M1	Lattice param. 2M1
OV2_2	conical	5.4955(5)	5.4955(5)	14.2288(17)	90	90	120	372.14(7)	D	2H1 (+2H2)	2H2 reflections extremely weak
OV2_3	Trig pyramid	5.4937(6)	5.4937(6)	21.354(3)	90	90	120	558.15(11)	A	3T	EPMA
OV2_4	Conical	5.4924(5)	5.4924(5)	14.2277(14)	90	90	120	371.70(6)	D	2H1 (+2H2)	2H2 reflections very weak
OV2_5	lath shaped	5.4896(5)	5.4896(5)	14.2403(16)	90	90	120	371.65(7)	D	2H2 (+2H1?)	Strong characteristic reflections, good crystal
OV2_6	Trig pyramid	5.4870(7)	5.4870(7)	21.387(3)	90	90	120	557.64(13)	A	3T (+6T2)	Lattice param. 3T, reflections 6T2 weak, obverse-reverse twin
OV2_7	Cleaved plate	5.4898(6)	5.4898(6)	14.2477(18)	90	90	120	371.86(8)	D	2H2 (+2H1?)	2H2 reflections extremely weak, misoriented domains
OV2_8	Slim trig. Pyr.	5.4880(13)	5.4880(13)	21.388(5)	90	90	120	557.9(2)	A	3T+2M1	Lattice param. 3T
		5.4859(10)	9.5055(18)	14.381(3)	90	97.293(18)	90	743.9(2)	A	3T+2M1	Lattice param. 2M1, very good crystal
OV2_9	Slim trig. Pyr.	5.4894(9)	9.5151(17)	14.370(3)	90	97.355(16)	90	744.4(2)	A	2M1+6T2?	Lattice param. 2M1, obv.-rev. twin, content of 6T2 possible, interpretation ambiguous
OV2_10	Slim trig. Pyr.	5.4814(17)	9.499(2)	14.392(4)	90	97.29(3)	90	743.3(4)	A	2M1(+1M?)	Lattice param. 2M1, very good crystal, 1M refl. Weak
OV2_11	Trunc. cone	5.4954(5)	5.4954(5)	14.2314(16)	90	90	120	372.20(7)	D	2H1 (+6T3)	Lattice param 2H1, 6T3 (Sequence 5) reflections weak
OV2_12	Trig pyramid	5.4873(10)	5.4873(10)	21.369(5)	90	90	120	557.2(2)	A	3T+2M1	Lattice param. 3T
		5.4874(12)	9.5036(18)	14.371(3)	90	97.28(2)	90	743.4(3)	A	3T+2M1	Lattice param. 2M1, good crystal
OV2_13	Slim trig. Pyr.	5.4920(14)	5.4920(14)	21.366(6)	90	90	120	558.1(2)	A	3T(+2M1)	Lattice param. 3T, reflections 2M1 very weak, obverse-reverse twin
OV2_14	Slim trig. Pyr.	5.4876(11)	5.4876(11)	21.415(5)	90	90	120	558.5(2)	A	3T+1M+2M1	Lattice param. 3T, reflections of 1M+2M1 present, diffraction pattern confused
OV2_15	Conical	5.4938(8)	5.4938(8)	14.230(2)	90	90	120	371.93(10)	D	2H1	Pure 2H1, very good crystal
OV2_16	Irregular	5.4901(7)	5.4901(7)	14.224(2)	90	90	120	371.30(9)	D	2H1	Pure 2H1, good crystal,