**Data for Crystals Grown in SEM Lab (90pa Runs)**

**7/25/2023**

| Case 1.1 |  |  |
| --- | --- | --- |
| 90pa |
| -36°C |
| 2:30 |
| K1 = 0.057  K2 = 0.114 |
| Prismatic |
| Growth |

| Case 1.2 |  |  |
| --- | --- | --- |
| 90pa |
| -36.3°C |
| 6:40 |
| K1 = 0.053  K2 = 0.095 |
| Prismatic |
| Growth |

| Case 1.3 |  |  |
| --- | --- | --- |
| 90pa |
| -34.4°C |
| 8:20 |
| K1 = 0.052  K2 = 0.156 |
| Prismatic |
| Growth |

| Case 1.4 |  |  |
| --- | --- | --- |
| 90pa |
| -32.5°C |
| 10:16 |
| K1 = 0.050  K2 = 0.149 |
| Prismatic |
| Growth |

| Case 1.5 |  |  |
| --- | --- | --- |
| 90pa |
| -30.4°C |
| 12:08 |
| K1 = 0.049  K2 = 0.087 |
| Prismatic |
| Growth/ Equilibrium |

| Case 1.6 |  |  |
| --- | --- | --- |
| 90pa |
| -28.6°C |
| 14:00 |
| K1 = 0.048  K2 = 0.086 |
| Prismatic |
| Equilibrium? |

| Case 1.7 |  |  |
| --- | --- | --- |
| 90pa |
| -26.8°C |
| 16:12 |
| K1 = 0.050  K2 = 0.083 |
| Prismatic |
| Ablation |

| Case 1.8 |  |  |
| --- | --- | --- |
| 90pa |
| -25°C |
| 18:19 |
| K1 = 0.049  K2 = 0.083 |
| Prismatic |
| Ablation |

| Case 1.9 |  |  |
| --- | --- | --- |
| 90pa |
| -24.2°C |
| 20:50 |
| K1 = 0.049  K2 = 0.086 |
| Prismatic |
| Ablation |

**7/27/2023**

| Case 1.1 |  |  |
| --- | --- | --- |
| 90pa |
| -35.9°C |
| 2:20 |
| K1 = 0.069  K2 = 0.141 |
| Prismatic |
| Growth |

| Case 1.2 |  |  |
| --- | --- | --- |
| 90pa |
| -34.4°C |
| 4:22 |
| K1 = 0.055  K2 = 0.111 |
| Prismatic |
| Growth |

| Case 1.3 |  |  |
| --- | --- | --- |
| 90pa |
| -32.5°C |
| 6:19 |
| K1 = 0.058 |
| Prismatic |
| Growth |

| Case 1.4 |  |  |
| --- | --- | --- |
| 90pa |
| -30.5°C |
| 8:17 |
| K1 = 0.058  K2 = 0.116 |
| Prismatic |
| Growth |

| Case 1.5 |  |  |
| --- | --- | --- |
| 90pa |
| -28.6°C |
| 10:30 |
| K1 = 0.055  K2 = 0.089  K3 = 0.216 |
| Prismatic |
| Growth |

| Case 1.6 |  |  |
| --- | --- | --- |
| 90pa |
| -26.9°C |
| 12:19 |
| k1 = 0.058  k2 = 0.090  k3 = 0.134  k4 = 0.221 |
| Prismatic |
| Equilibrium |

| Case 1.7 |  |  |
| --- | --- | --- |
| 90pa |
| -25°C |
| 14:15 |
| K1 = 0.059  K2 = 0.090  K3 = 0.136  K4 = 0.150 |
| Prismatic |
| Ablation |

| Case 1.8 |  |  |
| --- | --- | --- |
| 100pa |
| -23.2°C |
| 16:15 |
| k1 = 0.062  k2 = 0.093  k3 = 0.142 |
| Prismatic |
| Ablation |

| Case 2.1 |  |  |
| --- | --- | --- |
| 90pa |
| -36°C |
| 2:30 |
| K1 = 0.106  K2 = 0.236 |
| Prismatic |
| Growth |

| Case 2.2 |  |  |
| --- | --- | --- |
| 90pa |
| -34.4°C |
| 4:30 |
| K1 = 0.092  K2 = 0.264  K3 = 0.335 |
| Prismatic |
| Growth |

| Case 2.3 |  |  |
| --- | --- | --- |
| 90pa |
| -32.5°C |
| 6:40 |
| K1 = 0.083  K2 = 0.158  K3 = 0.183 |
| Prismatic |
| Growth |

| Case 2.4 |  |  |
| --- | --- | --- |
| 90pa |
| -30.5°C |
| 8:24 |
| K1 = 0.081  K2 = 0.178  K3 = 0.255  K4 = 0.333 |
| Prismatic |
| Growth |

| Case 2.5 |  |  |
| --- | --- | --- |
| 90pa |
| -28.6°C |
| 10:19 |
| K1 = 0.081  K2 = 0.178  K3 = 0.226 |
| Prismatic |
| Growth/ Equilibrium? |

| Case 2.6 |  |  |
| --- | --- | --- |
| 90pa |
| -26.5°C |
| 12:13 |
| K1 = 0.081  K2 = 0.181  K3 = 0.229  K4 = 0.256 |
| Prismatic |
| Equilibrium |

| Case 2.7 |  |  |
| --- | --- | --- |
| 95pa |
| -25°C |
| 14:14 |
| K1 = 0.081  K2 = 0.114  K3 = 0.181  K4 = 0.256  K5 = 0.333  K6 = 0.412 |
| Prismatic |
| Ablation |

| Case 2.8 |  |  |
| --- | --- | --- |
| 100pa |
| -23.3°C |
| 16:21 |
| K1 = 0.083  K2 = 0.114  K3 = 0.183  K4 = 0.251 |
| Prismatic |
| Ablation |