

# アルミニウムA社P材1番から20番の平均方位解析

粉末random試料によるdefocus補正

1番から20番の極点処理

平均化

Rp%評価

Random(BG)%評価

VolumeFraction評価

1番、5番、10番、平均比較

# データ

- 圧延板からTD方向に20個切り出し1から20の番号に割付
- 1番から20番の極点処理
- 1番から20番の平均極点図作成
- 平均極点図の方位解析
- 試料の表面加工は行っていない
- Random (defocus補正) 試料は粉末
- A PホルダにNO01からNO20ホルダ
- 個々のホルダに指数-NO.ASCデータ

# 平均化処理

- A S C を同一ファイル名に変更
  - 111-rename\_2.ASC,200-rename\_2.ASC
  - 220-rename\_2.ASC,311-rename\_2.ASC
- 一括データ処理
  - background、defocus、（最適化Rp%）
- 平均化極点図
  - 最初に指定したホルダに平均極点図作成

# データ

C:\¥T MP¥AP¥NO001 ¥111-NO001 .ASC  
C:\¥T MP¥AP¥NO001 ¥200-NO001 .ASC  
C:\¥T MP¥AP¥NO001 ¥220-NO001 .ASC  
C:\¥T MP¥AP¥NO001 ¥311-NO001 .ASC  
C:\¥T MP¥AP¥NO002 ¥111-NO002 .ASC  
C:\¥T MP¥AP¥NO002 ¥200-NO002 .ASC  
C:\¥T MP¥AP¥NO002 ¥220-NO002 .ASC  
C:\¥T MP¥AP¥NO002 ¥311-NO002 .ASC  
C:\¥T MP¥AP¥NO003 ¥111-NO003 .ASC  
C:\¥T MP¥AP¥NO003 ¥200-NO003 .ASC  
C:\¥T MP¥AP¥NO003 ¥220-NO003 .ASC  
C:\¥T MP¥AP¥NO003 ¥311-NO003 .ASC  
C:\¥T MP¥AP¥NO004 ¥111-NO004 .ASC  
C:\¥T MP¥AP¥NO004 ¥200-NO004 .ASC  
C:\¥T MP¥AP¥NO004 ¥220-NO004 .ASC  
C:\¥T MP¥AP¥NO004 ¥311-NO004 .ASC  
C:\¥T MP¥AP¥NO005 ¥111-NO005 .ASC  
C:\¥T MP¥AP¥NO005 ¥200-NO005 .ASC  
C:\¥T MP¥AP¥NO005 ¥220-NO005 .ASC  
C:\¥T MP¥AP¥NO005 ¥311-NO005 .ASC  
C:\¥T MP¥AP¥NO006 ¥111-NO006 .ASC  
C:\¥T MP¥AP¥NO006 ¥200-NO006 .ASC  
C:\¥T MP¥AP¥NO006 ¥220-NO006 .ASC  
C:\¥T MP¥AP¥NO006 ¥311-NO006 .ASC  
C:\¥T MP¥AP¥NO007 ¥111-NO007 .ASC  
C:\¥T MP¥AP¥NO007 ¥200-NO007 .ASC  
C:\¥T MP¥AP¥NO007 ¥220-NO007 .ASC  
C:\¥T MP¥AP¥NO007 ¥311-NO007 .ASC  
C:\¥T MP¥AP¥NO008 ¥111-NO008 .ASC  
C:\¥T MP¥AP¥NO008 ¥200-NO008 .ASC  
C:\¥T MP¥AP¥NO008 ¥220-NO008 .ASC  
C:\¥T MP¥AP¥NO008 ¥311-NO008 .ASC  
C:\¥T MP¥AP¥NO009 ¥111-NO009 .ASC  
C:\¥T MP¥AP¥NO009 ¥200-NO009 .ASC  
C:\¥T MP¥AP¥NO009 ¥220-NO009 .ASC  
C:\¥T MP¥AP¥NO009 ¥311-NO009 .ASC  
C:\¥T MP¥AP¥NO01 0 ¥111-NO01 0 .ASC  
C:\¥T MP¥AP¥NO01 0 ¥200-NO01 0 .ASC  
C:\¥T MP¥AP¥NO01 0 ¥220-NO01 0 .ASC  
C:\¥T MP¥AP¥NO01 0 ¥311-NO01 0 .ASC

C:\¥T MP¥AP¥NO011 ¥111-NO011 .ASC  
C:\¥T MP¥AP¥NO011 ¥200-NO011 .ASC  
C:\¥T MP¥AP¥NO011 ¥220-NO011 .ASC  
C:\¥T MP¥AP¥NO011 ¥311-NO011 .ASC  
C:\¥T MP¥AP¥NO01 2 ¥111-NO01 2 .ASC  
C:\¥T MP¥AP¥NO01 2 ¥200-NO01 2 .ASC  
C:\¥T MP¥AP¥NO01 2 ¥220-NO01 2 .ASC  
C:\¥T MP¥AP¥NO01 2 ¥311-NO01 2 .ASC  
C:\¥T MP¥AP¥NO01 3 ¥111-NO01 3 .ASC  
C:\¥T MP¥AP¥NO01 3 ¥200-NO01 3 .ASC  
C:\¥T MP¥AP¥NO01 3 ¥220-NO01 3 .ASC  
C:\¥T MP¥AP¥NO01 3 ¥311-NO01 3 .ASC  
C:\¥T MP¥AP¥NO01 4 ¥111-NO01 4 .ASC  
C:\¥T MP¥AP¥NO01 4 ¥200-NO01 4 .ASC  
C:\¥T MP¥AP¥NO01 4 ¥220-NO01 4 .ASC  
C:\¥T MP¥AP¥NO01 4 ¥311-NO01 4 .ASC  
C:\¥T MP¥AP¥NO01 5 ¥111-NO01 5 .ASC  
C:\¥T MP¥AP¥NO01 5 ¥200-NO01 5 .ASC  
C:\¥T MP¥AP¥NO01 5 ¥220-NO01 5 .ASC  
C:\¥T MP¥AP¥NO01 5 ¥311-NO01 5 .ASC  
C:\¥T MP¥AP¥NO01 6 ¥111-NO01 6 .ASC  
C:\¥T MP¥AP¥NO01 6 ¥200-NO01 6 .ASC  
C:\¥T MP¥AP¥NO01 6 ¥220-NO01 6 .ASC  
C:\¥T MP¥AP¥NO01 6 ¥311-NO01 6 .ASC  
C:\¥T MP¥AP¥NO01 7 ¥111-NO01 7 .ASC  
C:\¥T MP¥AP¥NO01 7 ¥200-NO01 7 .ASC  
C:\¥T MP¥AP¥NO01 7 ¥220-NO01 7 .ASC  
C:\¥T MP¥AP¥NO01 7 ¥311-NO01 7 .ASC  
C:\¥T MP¥AP¥NO01 8 ¥111-NO01 8 .ASC  
C:\¥T MP¥AP¥NO01 8 ¥200-NO01 8 .ASC  
C:\¥T MP¥AP¥NO01 8 ¥220-NO01 8 .ASC  
C:\¥T MP¥AP¥NO01 8 ¥311-NO01 8 .ASC  
C:\¥T MP¥AP¥NO01 9 ¥111-NO01 9 .ASC  
C:\¥T MP¥AP¥NO01 9 ¥200-NO01 9 .ASC  
C:\¥T MP¥AP¥NO01 9 ¥220-NO01 9 .ASC  
C:\¥T MP¥AP¥NO01 9 ¥311-NO01 9 .ASC  
C:\¥T MP¥AP¥NO020 ¥111-NO020 .ASC  
C:\¥T MP¥AP¥NO020 ¥200-NO020 .ASC  
C:\¥T MP¥AP¥NO020 ¥220-NO020 .ASC  
C:\¥T MP¥AP¥NO020 ¥311-NO020 .ASC

# 最初のデータ選択(今回はNO001)

The screenshot displays the ODFPoleFigure2S software interface. The title bar reads "ODFPoleFigure2S 4.08T[23/12/31] by CTR". The menu bar includes "File", "Linear(absolute)3D", "ToolKit", "Help", "InitSet", "BGMode", "Defocus", "Condition Free", "OverlapRevision", "MinimumMode", "Rp%", and "Normalization".

The "Files select" section shows a dropdown menu set to "ASC(RINT-PC)" and a list of files: "111-NO001.ASC", "200-NO001.ASC", "220-NO001.ASC", and "311-NO001.ASC". A blue arrow points to the folder icon next to "111-NO001.ASC" with the text "C:¥TMP¥AP¥NO001のASCを指定".

The "Holder" section contains buttons for "Holder", "Rename", and "Renamw-delete".

The "Calcration Condition" section includes "Previous" and "Next" buttons, a file path "C:¥TMP¥AP¥NO001¥111-NO001.ASC", and an "hkl" field set to "1,1,1" with a "Change" button.

The "Background delete mode" section has radio buttons for "DoubleMo...", "SingleMode", "LowMode", "HighMode", "Nothing", "Minimum( $\alpha$   $\beta$ )", and "MinimumAverage( $\alpha$ )X". It also includes a "BG defocus" dropdown set to "DSH1.2mm+Schulz+RSH5mm" and a "Trans blinds angle" field set to "30.0".

The "Peak slit" section has fields for "Peak slit" (7.0 mm), "BG Slit" (7.0 mm), "PeakSlit / BGS...", "BG Scope" (80.0 deg), and "90.0 deg".

The "AbsCalc" section includes radio buttons for "Ref" and "Trans", a "Schulz reflection method" dropdown, "Absorption coefficient" (13.9 1/cm), "Thickness" (0.1 cm), "2Theta" (38.36 deg), and a "Profile" button.

The "Defocus file Select Transmission defocus HKL+T" section has a checked "Defocus(1) functions file" radio button and a file path "C:¥TMP¥AI-powder-random¥defocus¥DEFOCUS\_F.TXT". It also includes a "Normalization" checkbox, "degree of a polynomial" (0), and "TenckhoffFitting" checkbox.

The "Smoothing for ADC" section has a "Cycles" field (2) and "Weight" (10) with a "Disp" button.

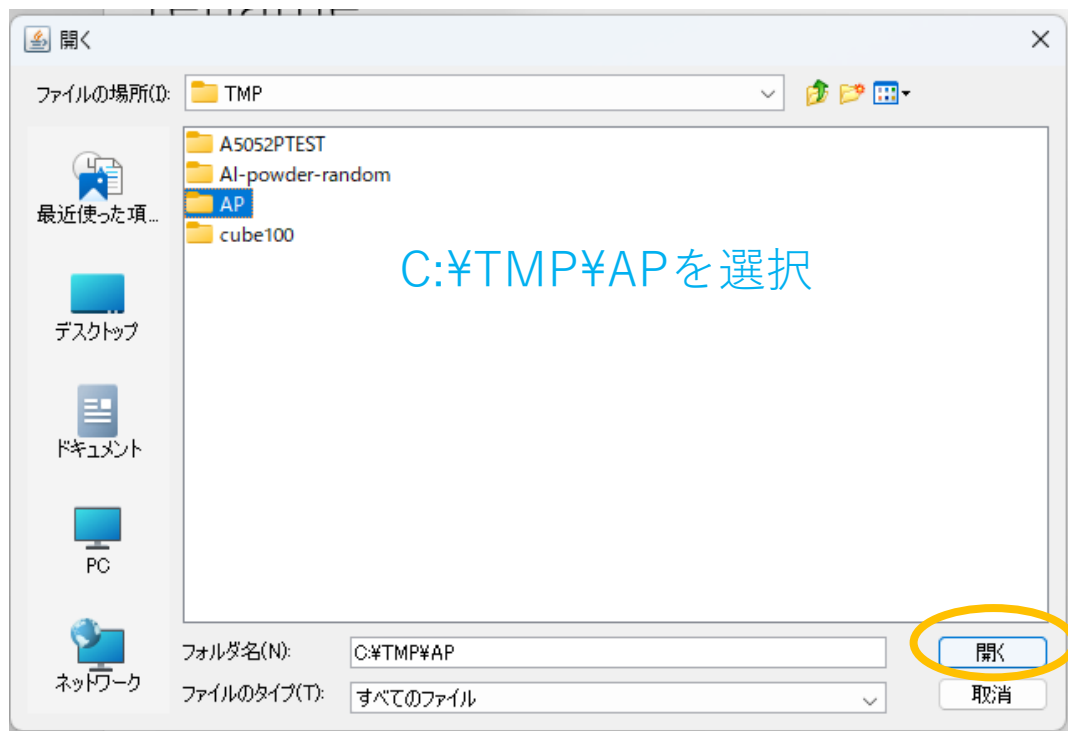
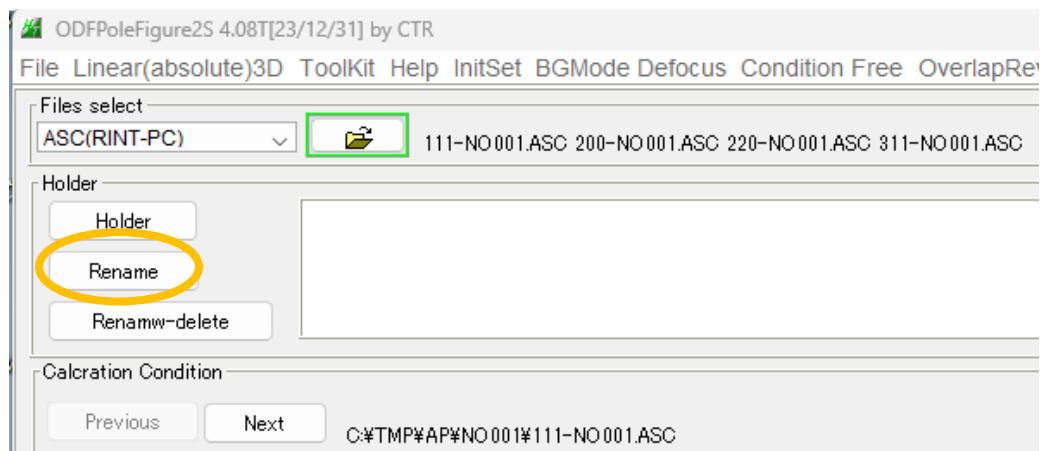
The "Normalization" section has radio buttons for "CTR", "Connect", and "Average".

The "OutFiles" section has radio buttons for "ASC", "MTexAsc", "Ras", "TXT", and "TXT2".

Buttons at the bottom include "Cancel", "Calc", "Connect", "ValueODFVF-B", "ValueODFVF-A", "Average", "Exit&ODF", "ODF", and "ALLODFFiles".

The status bar at the bottom shows "CTRHome : C:", "Select crystal : Cubic", and "23/04/14".

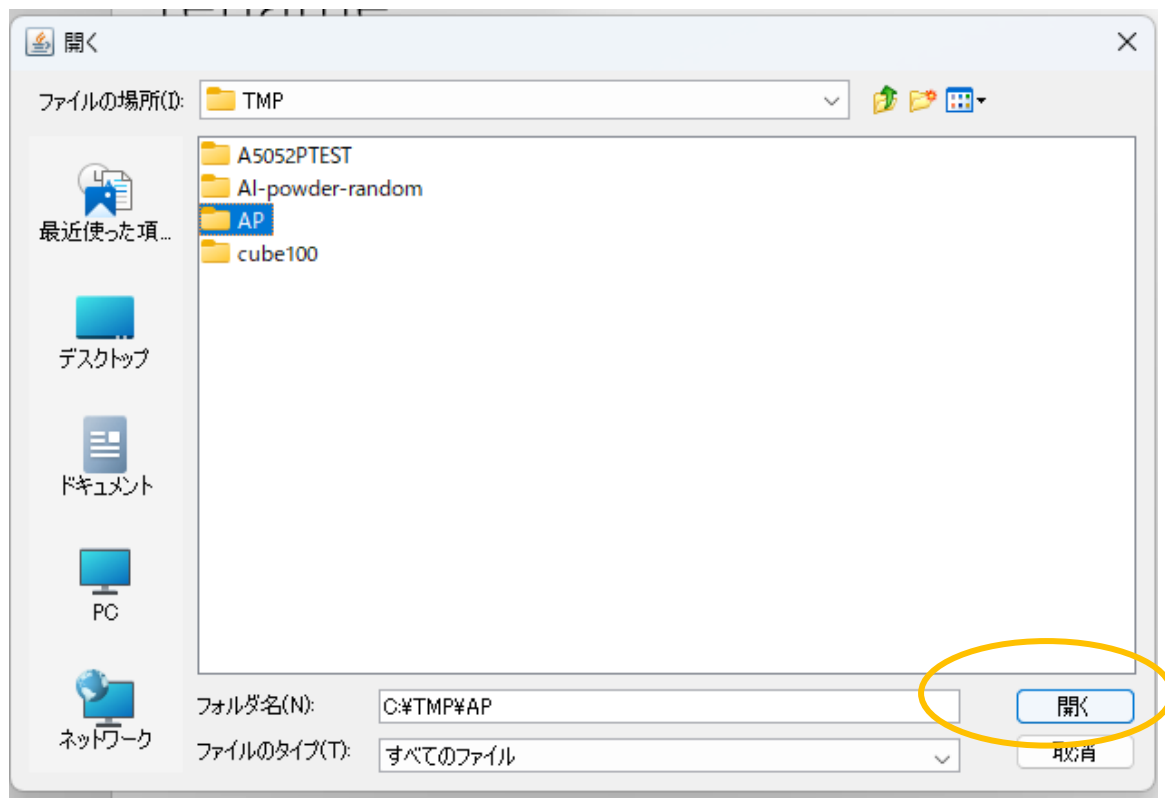
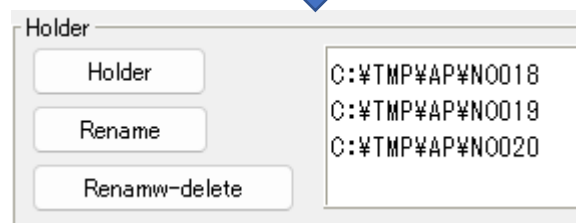
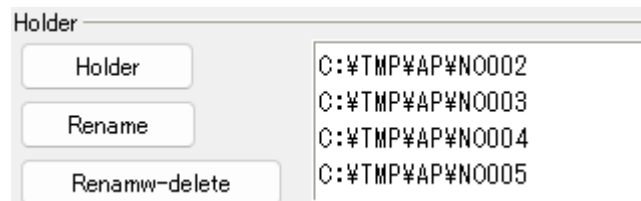
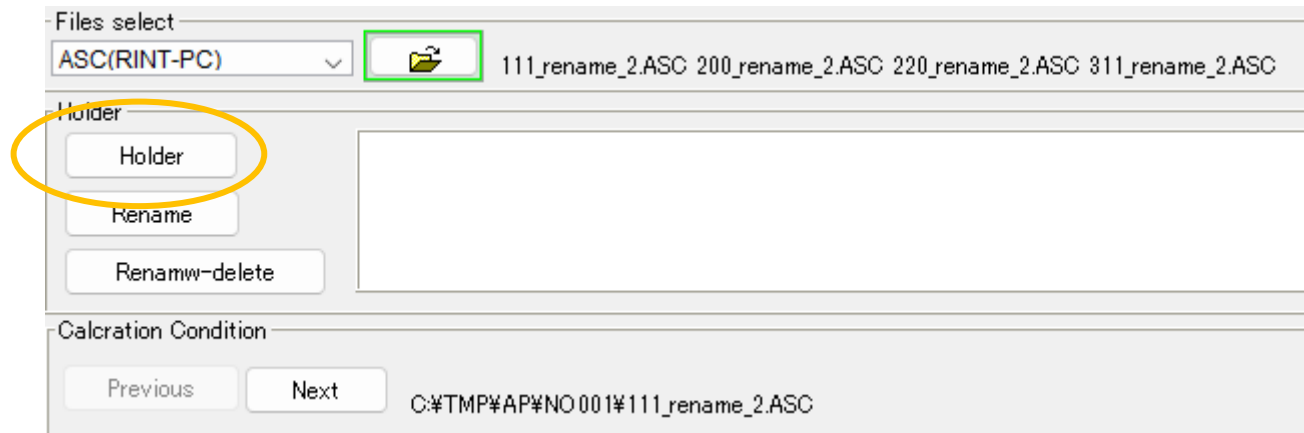
# Rename (同一ファイル名)



```
C:\TMP\AP\NO001\111-NO001.ASC
C:\TMP\AP\NO001\111_rename_2.ASC
C:\TMP\AP\NO001\200-NO001.ASC
C:\TMP\AP\NO001\200_rename_2.ASC
C:\TMP\AP\NO001\220-NO001.ASC
C:\TMP\AP\NO001\220_rename_2.ASC
C:\TMP\AP\NO001\311-NO001.ASC
C:\TMP\AP\NO001\311_rename_2.ASC
C:\TMP\AP\NO002\111-NO002.ASC
C:\TMP\AP\NO002\111_rename_2.ASC
C:\TMP\AP\NO002\200-NO002.ASC
C:\TMP\AP\NO002\200_rename_2.ASC
C:\TMP\AP\NO002\220-NO002.ASC
C:\TMP\AP\NO002\220_rename_2.ASC
C:\TMP\AP\NO002\311-NO002.ASC
C:\TMP\AP\NO002\311_rename_2.ASC
C:\TMP\AP\NO003\111-NO003.ASC
C:\TMP\AP\NO003\111_rename_2.ASC
C:\TMP\AP\NO003\200-NO003.ASC
C:\TMP\AP\NO003\200_rename_2.ASC
C:\TMP\AP\NO003\220-NO003.ASC
C:\TMP\AP\NO003\220_rename_2.ASC
C:\TMP\AP\NO003\311-NO003.ASC
C:\TMP\AP\NO003\311_rename_2.ASC
C:\TMP\AP\NO004\111-NO004.ASC
C:\TMP\AP\NO004\111_rename_2.ASC
C:\TMP\AP\NO004\200-NO004.ASC
C:\TMP\AP\NO004\200_rename_2.ASC
C:\TMP\AP\NO004\220-NO004.ASC
C:\TMP\AP\NO004\220_rename_2.ASC
C:\TMP\AP\NO004\311-NO004.ASC
C:\TMP\AP\NO004\311_rename_2.ASC
C:\TMP\AP\NO005\111-NO005.ASC
C:\TMP\AP\NO005\111_rename_2.ASC
C:\TMP\AP\NO005\200-NO005.ASC
C:\TMP\AP\NO005\200_rename_2.ASC
C:\TMP\AP\NO005\220-NO005.ASC
C:\TMP\AP\NO005\220_rename_2.ASC
C:\TMP\AP\NO005\311-NO005.ASC
C:\TMP\AP\NO005\311_rename_2.ASC
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C:\TMP\AP\NO016\111-NO016.ASC
C:\TMP\AP\NO016\111_rename_2.ASC
C:\TMP\AP\NO016\200-NO016.ASC
C:\TMP\AP\NO016\200_rename_2.ASC
C:\TMP\AP\NO016\220-NO016.ASC
C:\TMP\AP\NO016\220_rename_2.ASC
C:\TMP\AP\NO016\311-NO016.ASC
C:\TMP\AP\NO016\311_rename_2.ASC
C:\TMP\AP\NO017\111-NO017.ASC
C:\TMP\AP\NO017\111_rename_2.ASC
C:\TMP\AP\NO017\200-NO017.ASC
C:\TMP\AP\NO017\200_rename_2.ASC
C:\TMP\AP\NO017\220-NO017.ASC
C:\TMP\AP\NO017\220_rename_2.ASC
C:\TMP\AP\NO017\311-NO017.ASC
C:\TMP\AP\NO017\311_rename_2.ASC
C:\TMP\AP\NO018\111-NO018.ASC
C:\TMP\AP\NO018\111_rename_2.ASC
C:\TMP\AP\NO018\200-NO018.ASC
C:\TMP\AP\NO018\200_rename_2.ASC
C:\TMP\AP\NO018\220-NO018.ASC
C:\TMP\AP\NO018\220_rename_2.ASC
C:\TMP\AP\NO018\311-NO018.ASC
C:\TMP\AP\NO018\311_rename_2.ASC
C:\TMP\AP\NO019\111-NO019.ASC
C:\TMP\AP\NO019\111_rename_2.ASC
C:\TMP\AP\NO019\200-NO019.ASC
C:\TMP\AP\NO019\200_rename_2.ASC
C:\TMP\AP\NO019\220-NO019.ASC
C:\TMP\AP\NO019\220_rename_2.ASC
C:\TMP\AP\NO019\311-NO019.ASC
C:\TMP\AP\NO019\311_rename_2.ASC
C:\TMP\AP\NO020\111-NO020.ASC
C:\TMP\AP\NO020\111_rename_2.ASC
C:\TMP\AP\NO020\200-NO020.ASC
C:\TMP\AP\NO020\200_rename_2.ASC
C:\TMP\AP\NO020\220-NO020.ASC
C:\TMP\AP\NO020\220_rename_2.ASC
C:\TMP\AP\NO020\311-NO020.ASC
C:\TMP\AP\NO020\311_rename_2.ASC
```

以降、rename\_2.ASCから計算する

# NO001からNO020選択（親ホルダ選択）



NO002ホルダからNO020ホルダが選択される。

# 一括処理

ODFPoleFigure2S 4.08T[23/12/31] by CTR

File Linear(absolute)3D Toolkit Help InitSet BGMode Defocus Condition Free OverlapRevision MinimumMode Rp% Normalization

Files select  
ASC(RINT-PC) 111\_rename\_2.ASC 200\_rename\_2.ASC 220\_rename\_2.ASC 311\_rename\_2.ASC

Holder  
Holder C:\TMP\AP\N0018  
Rename C:\TMP\AP\N0019  
Renamw-delete C:\TMP\AP\N0020

Calculation Condition  
Previous Next C:\TMP\AP\N001\111\_rename\_2.ASC hkl 1,1,1 Change

Background delete mode  
 DoubleMo...  SingleMode  LowMode  HighMode  Nothing BG defocus DSH1.2mm+Schulz+RSH5mm  Minimum mo...  
 Minimum( $\alpha, \beta$ )  MinimumAverage( $\alpha$ )X 0.5 Trans blinds angle 30.0

Peak slit 7.0 mm BG Slit 7.0 mm  PeakSlit / BGS... BG Scope 80.0 deg. 90.0 deg. Set SetAll Disp  $\alpha$ Inhibit

AbsCalc  
 Ref  Trans Schulz reflection method Change Absorption coeffiein 13.9 1/cm Thickness 0.1 cm Set 2Theta 38.36 deg.  1/Kt Profile

Defocus file Select Transmission defocus HKL+T  
 Defocus(1) functions file C:\TMP\AI-powder-random\defocus\DEFOCUS\_F.TXT  
Make defocus function files by TXT2 Files  Normalization degree of a polynomial 0  TenckhoffFitting TextDisp

Defocus(3) function files folder(Calc unbackdefocus) BB185mm Limit Alfa Defocus value Free(LimitValue=0.0)

Defocus(2) function files folder(Calc backdefocus) DSH1.2mm+Schulz+RSH5mm  Search minimum EqualAngleRp%(Cubic only)  1/Ra Profile

Smoothing for ADC  
 Cycles 2 Weight 10 Disp  After connection

Normalization  CTR  Connect CenterData  Average OutFiles  ASC  MTexAsc  Ras  TXT  TXT2

Cancel **Calc** Connect

ValueODFVF-B ValueODFVF-A Average Exit&ODF ODF ALLODFFiles

CTRHome : C: Select crystal : Cubic 23/04/14



# 一括データ処理

Calculation Condition

Previous Next C:\TMP\AP\NO001\111\_rename\_2.ASC hkl 1,1,1 Change

Background delete mode  
 DoubleMo...  SingleMode  LowMode  HighMode  Nothing BG defocus DSH1.2mm+Schulz+RSH5mm  Minimum mo...  
 Minimum( $\alpha$ ,  $\beta$ )  MinimumAverage( $\alpha$ )X 0.5 Trans blinds angle 30.0

Peak slit 7.0 mm BG Slit 7.0 mm  PeakSlit / BGS... BG Scope 80.0 deg. 90.0 deg. Set SetAll Disp  $\alpha$ Inhibit

Smoothing  
  + $\alpha$  3 Arithmetic mean Disp  
RD  
 0.0 Interporation  Full Disp

3.35(2050.5) 3.25(823.2) 4.32(628.8) 1.88(615.1)

38.36 deg.  1/Kt Profile  
TextDisp  
 1/Ra Profile  
Cancel Calc Connect

Cycles 2 Weight 10 Disp  CTR  Connect  Average  ASC  MTexAsc  Ras  TXT  TXT2  
 After connection ValueODFVF-B ValueODFVF-A **Average** Exit&ODF ODF ALLODFFiles

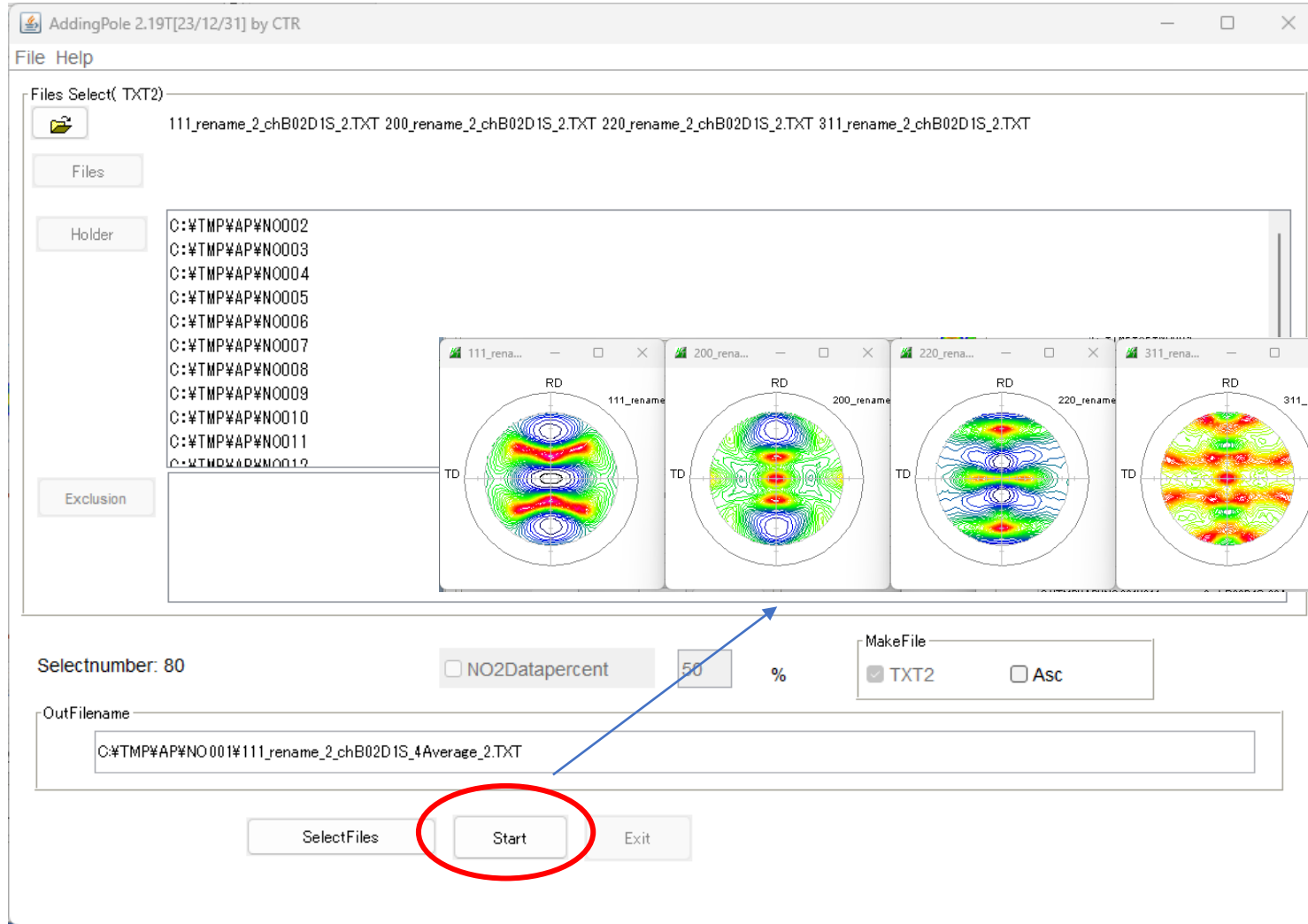
Filemake success !! CTRHome C: Select crystal : Cubic 23/04/14

Filemake success !!

が表示された計算は終了

平均化を行う

# 平均化



> AP > NO001

名前	更新日時
🔊 111_rename_2.ASC	2011/04/13 10:56
🔊 111-NO001.ASC	2011/04/13 10:56
🔊 200_rename_2.ASC	2011/04/13 10:56
🔊 200-NO001.ASC	2011/04/13 10:56
🔊 220_rename_2.ASC	2011/04/13 10:56
🔊 220-NO001.ASC	2011/04/13 10:56
🔊 311_rename_2.ASC	2011/04/13 10:56
🔊 311-NO001.ASC	2011/04/13 10:56
📄 111_rename_2_chB02D1S_2.TXT	2023/04/14 11:08
📄 200_rename_2_chB02D1S_2.TXT	2023/04/14 11:08
📄 220_rename_2_chB02D1S_2.TXT	2023/04/14 11:08
📄 311_rename_2_chB02D1S_2.TXT	2023/04/14 11:08
📄 111_rename_2_chB02D1S_20Average_2.TXT	2023/04/14 11:16
📄 200_rename_2_chB02D1S_20Average_2.TXT	2023/04/14 11:16
📄 220_rename_2_chB02D1S_20Average_2.TXT	2023/04/14 11:16
📄 311_rename_2_chB02D1S_20Average_2.TXT	2023/04/14 11:16

Start->ExitでODFPoleFigure2Sに戻る

NO001ホルダに20個の平均極点図作成

# ODF向けファイル作成

ODFPoleFigure2S 4.08T[23/12/31] by CTR

File Linear(absolute)3D Toolkit Help InitSet BGMode Defocus Condition Free OverlapRevision MinimumMode Rp% Normalization

Files select  
ASC(RINT-PC) 111\_rename\_2.ASC 200\_rename\_2.ASC 220\_rename\_2.ASC 311\_rename\_2.ASC

Holder  
Holder C:\TMP\AP\N0018  
Rename C:\TMP\AP\N0019  
Renamw-delete C:\TMP\AP\N0020

Calcration Condition  
Previous Next C:\TMP\AP\N001\111\_rename\_2.ASC hkl 1,1,1 Change

Background delete mode  
 DoubleMo...  SingleMode  LowMode  HighMode  Nothing BG defocus DSH1.2mm+Schulz+RSH5mm  Minimum mo...  
 Minimum( $\alpha$   $\beta$ )  MinimumAverage( $\alpha$ )X 0.5 Trans blinds angle 30.0

Peak slit 7.0 mm BG Slit 7.0 mm  PeakSlit / BGS... BG Scope 80.0 deg. 90.0 deg. Set SetAll Disp  $\alpha$ Inhibit

AbsCalc  
 Ref  Trans Schulz reflection method Change Absorption coeffieien 13.9 1/cm Thickness 0.1 cm Set 2Theta 38.36 deg.  1/Kt Profile

Defocus file Select Trasmission defocus HKL+T  
 Defocus(1) functions file C:\TMP\AI-powder-random\defocus\DEFOCUS\_F.TXT  
Make defocus function files by TXT2 Files  Normalization degree of a polynomial 0  TenckhoffFitting TextDisp

Defocus(3) function files folder(Calc unbackdefocus) BB185mm Limit Alfa Defocus value Free(LimitValue=0.0)

Defocus(2) function files folder(Calc backdefocus) DSH1.2mm+Schulz+RSH5mm  Search minimum EqualAngleRp%(Cubic only)  1/Ra Profile

Smoothing for ADC  
 Cycles 2 Weight 10 Disp  
 After connection

Normalization  CTR  Connect CenterData  Average  
OutFiles  ASC  MTexAsc  Ras  TXT  TXT2

Cancel Calc Connect  
ValueODFVF-B ValueODFVF-A Average **Exit&ODF** **ODF** ALLODFFiles

Filemake success !! CTRHome : C: Select crystal : Cubic 23/04/14

# ODFファイル作成

PFtoODF3 8.55T[23/12/31] by CTR

File Option Symmetric Software Data Help

Lattice constant

Material A-Iron-Measure-IntegralData.txt

Initialize Start

Structure Code(Symmetries after Schoenfiles) cif 7 - O (cubic)

a 1.0 <=b 1.0 <=c 1.0 alpha 90.0 beta 90.0 gamm 90.0

PF Holder C:\TMP\AP\NO001

PF Data

SelectFile(TXT(b,intens),TXT2(a,b,intens.))	h,k,l	2Theta	Alpha scope	AlphaS	AlphaE	Select
111_rename_2_chB02D1S_20Average_2.TXT	1,1,1	38.34	0.0->75.0	0.0	75.0	<input checked="" type="checkbox"/>
200_rename_2_chB02D1S_20Average_2.TXT	2,0,0	44.56	0.0->75.0	0.0	75.0	<input checked="" type="checkbox"/>
220_rename_2_chB02D1S_20Average_2.TXT	2,2,0	64.86	0.0->75.0	0.0	75.0	<input checked="" type="checkbox"/>
311_rename_2_chB02D1S_20Average_2.TXT	3,1,1	77.92	0.0->75.0	0.0	75.0	<input checked="" type="checkbox"/>
	2,1,1	0.0		0.0	0.0	<input type="checkbox"/>
	3,1,1	0.0		0.0	0.0	<input type="checkbox"/>
	4,0,0	0.0		0.0	0.0	<input type="checkbox"/>
	3,3,1	0.0		0.0	0.0	<input type="checkbox"/>
	4,2,2	0.0		0.0	0.0	<input type="checkbox"/>
	5,1,1	0.0		0.0	0.0	<input type="checkbox"/>
	5,2,1	0.0		0.0	0.0	<input type="checkbox"/>
	5,3,1	0.0		0.0	0.0	<input type="checkbox"/>

Comment

Symmetric type Full

Center Data Average

Epf file save

Labotex(EPF),popLA(RAW) filename APASverage

SelectFile(TXT(b,intens),TXT2(a,b,intens.))



111\_rename\_2\_chB02D1S\_20Average\_2.TXT



200\_rename\_2\_chB02D1S\_20Average\_2.TXT



220\_rename\_2\_chB02D1S\_20Average\_2.TXT



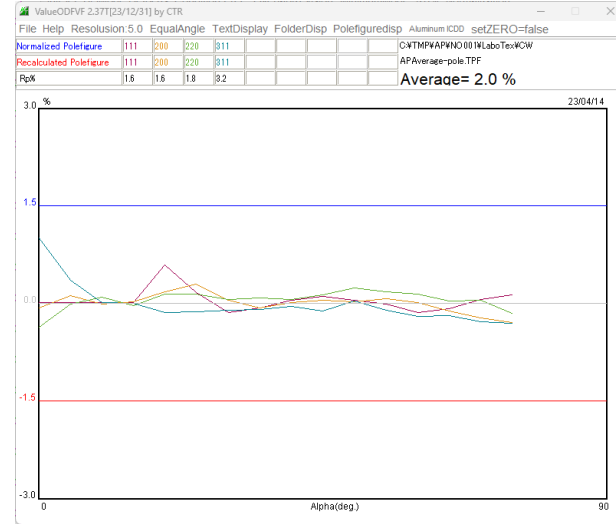
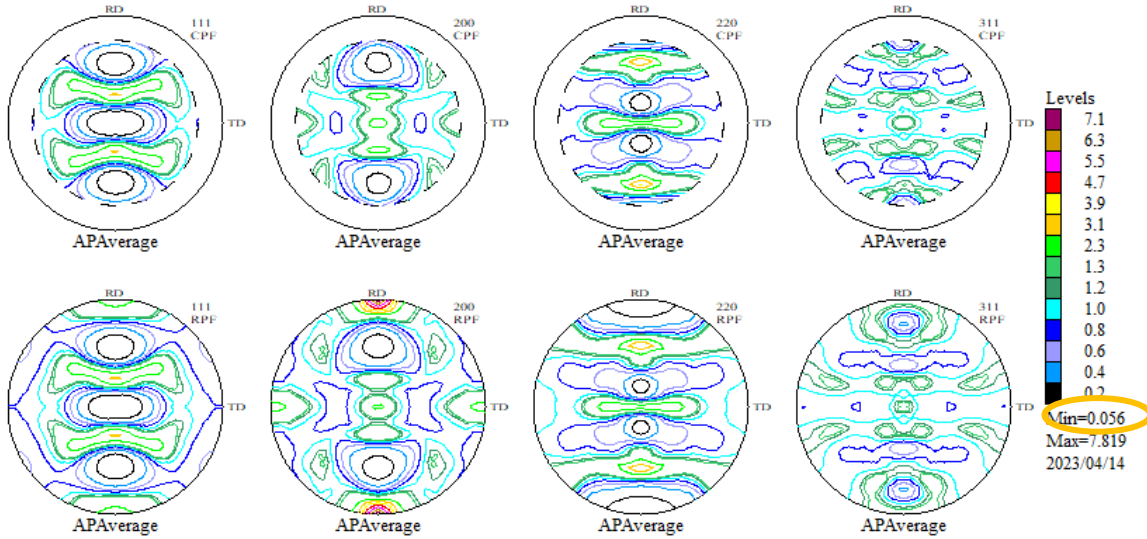
311\_rename\_2\_chB02D1S\_20Average\_2.TXT

20Averageは2 0極点図の平均

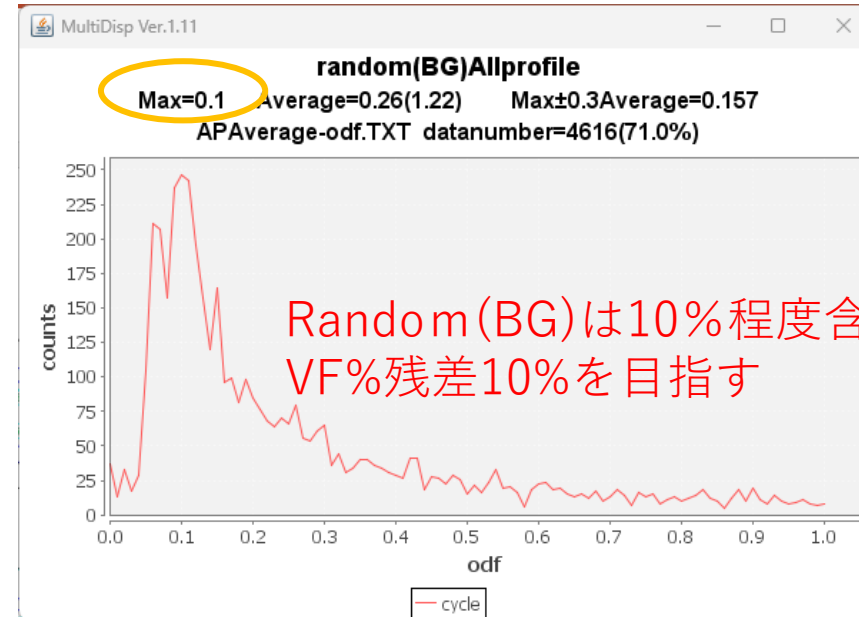
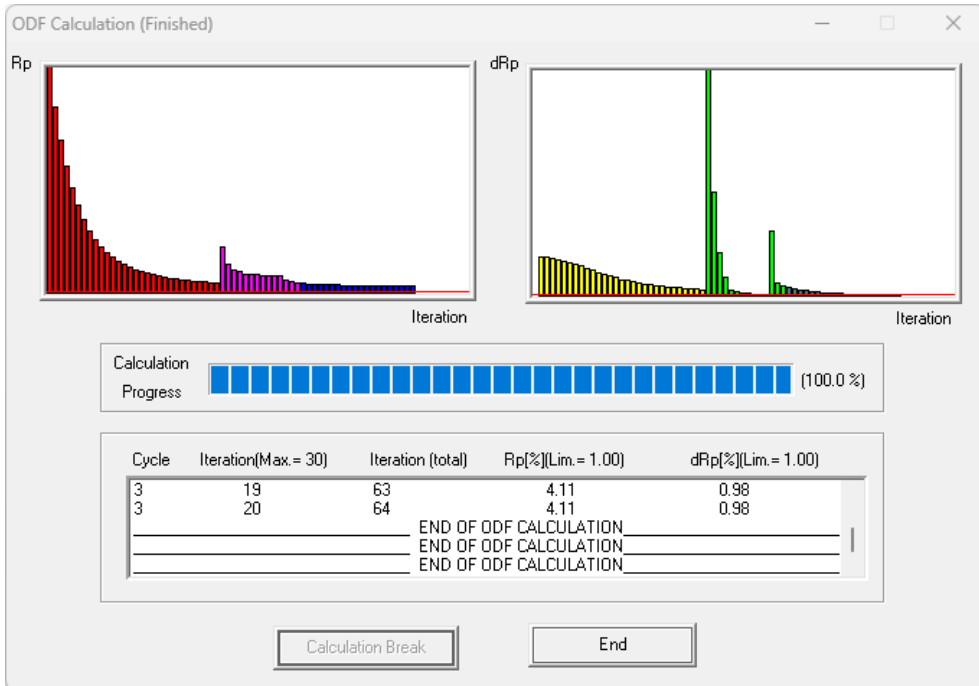
# LaboTexによるODF解析

Min=0.056->random(BG)が含まれている可能性大

ODF図をExportし、Random(BG)定量を行う

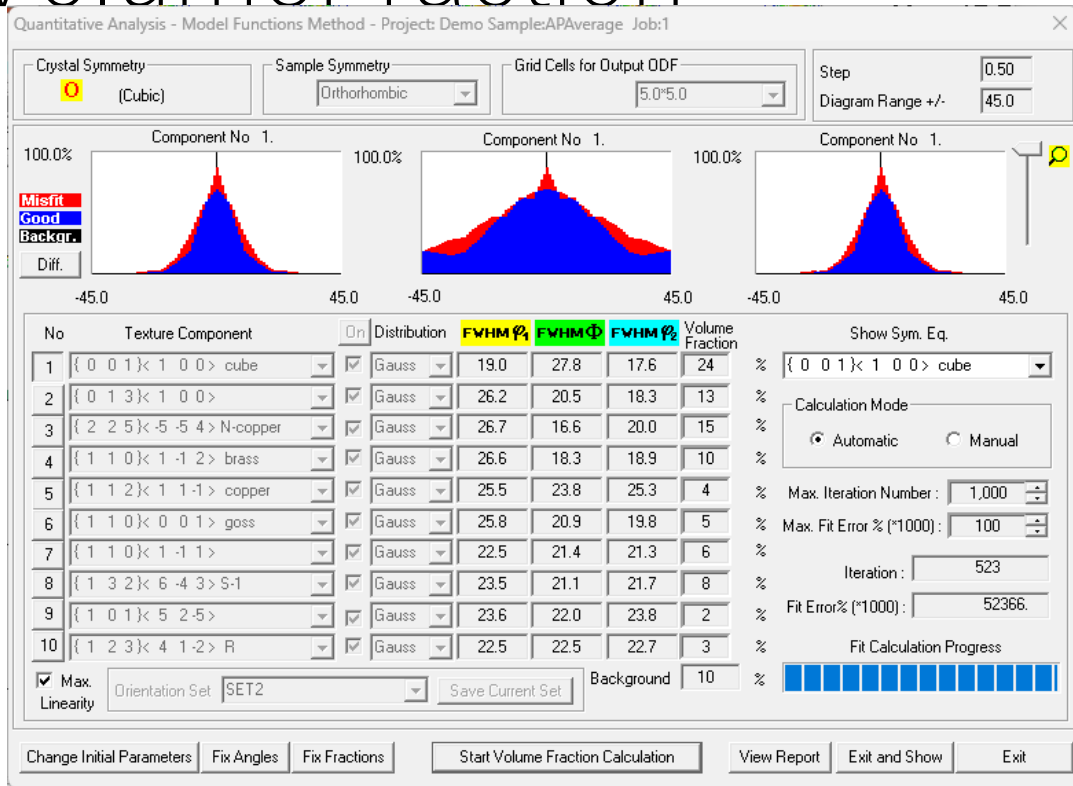


Random(BG)が含まれるとRp%は低下する傾向あり



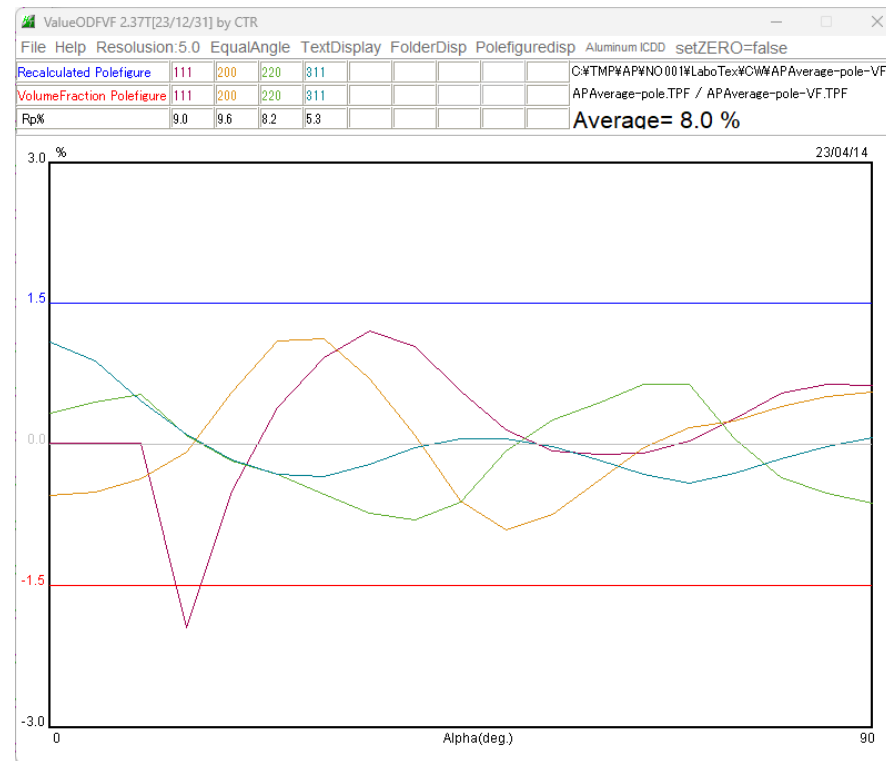
Random(BG)は10%程度含まれている可能性  
VF%残差10%を目指す

# VolumeFraction

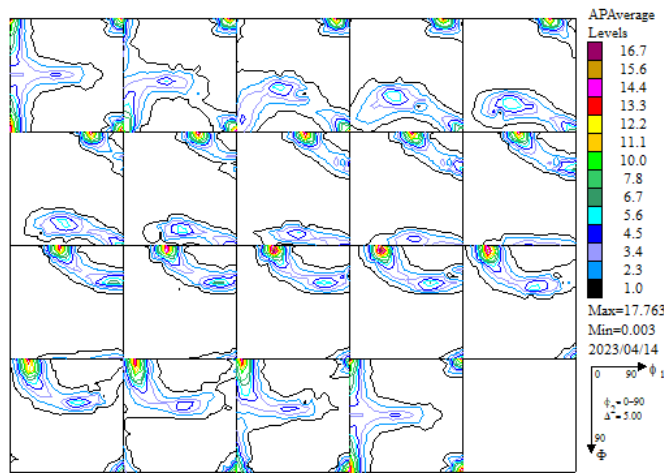


No.	VF (%)	Phi1 (FWHM)	Phi (FWHM)	Phi2 (FWHM)	Orientation
1:	24.23	19.0	27.8	17.6	{ 0 0 1 } < 1 0 0 > cube
2:	12.75	26.2	20.5	18.3	{ 0 1 3 } < 1 0 0 >
3:	15.37	26.7	16.6	20.0	{ 2 2 5 } < -5 -5 4 > N-cop
4:	10.06	26.6	18.3	18.9	{ 1 1 0 } < -1 -1 2 > bras
5:	3.81	25.5	23.8	25.3	{ 1 1 2 } < 1 1 -1 > copp
6:	5.25	25.8	20.9	19.8	{ 1 1 0 } < 0 0 1 > goss
7:	5.86	22.5	21.4	21.3	{ 1 1 0 } < -1 -1 1 >
8:	8.33	23.5	21.1	21.7	{ 1 3 2 } < 6 -4 3 > S-1
9:	1.76	23.6	22.0	23.8	{ 1 0 1 } < 5 2 -5 >
10:	3.47	22.5	22.5	22.7	{ 1 2 3 } < 4 1 -2 > R
11:	9.11	Background Volume Fraction			

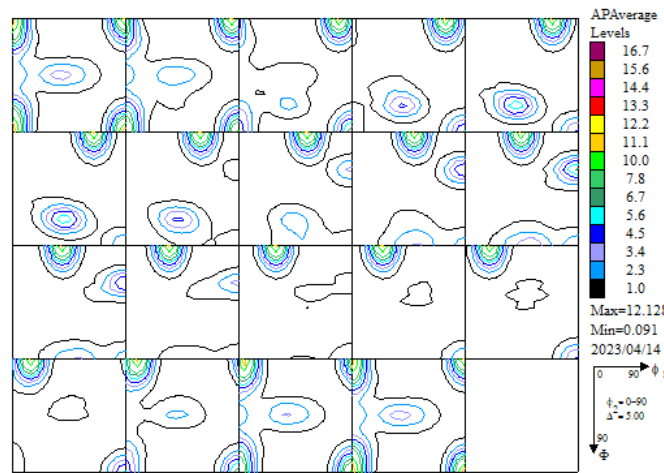
Background=random(BG)+other=10+Other=9.11  
 VolumeFractionが決定されているが乱れがある。



ODF解析結果



VF%から計算したODF

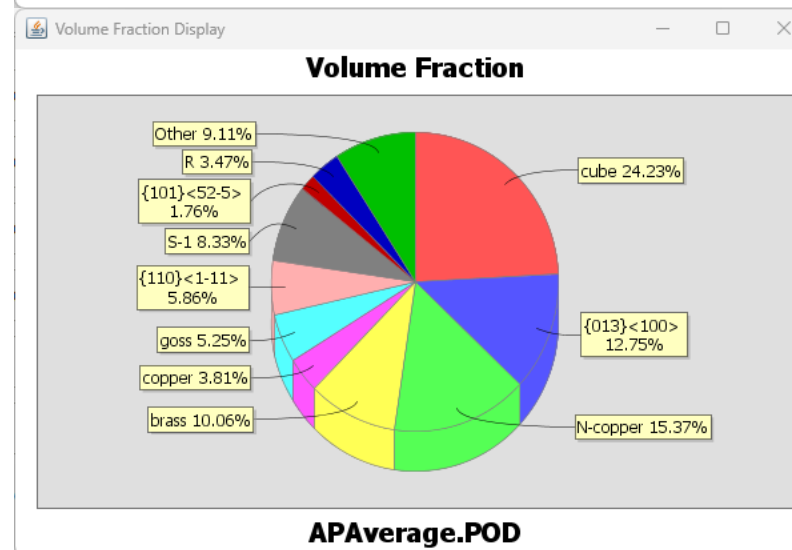
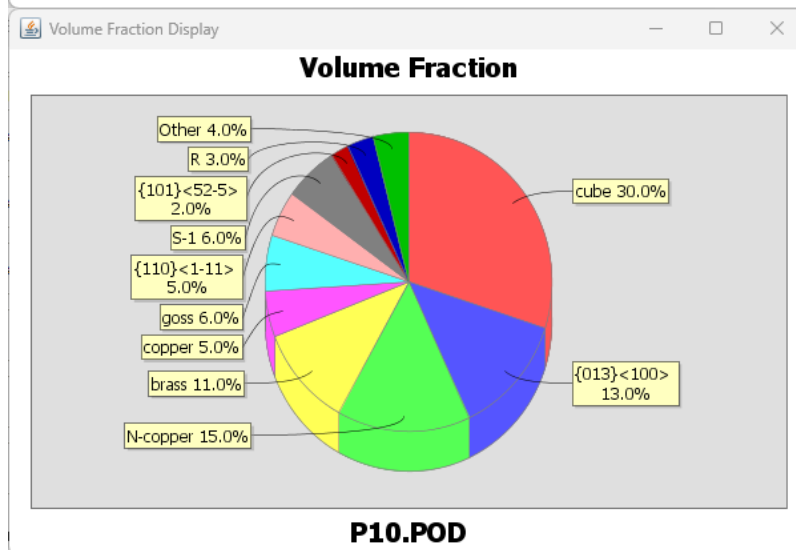
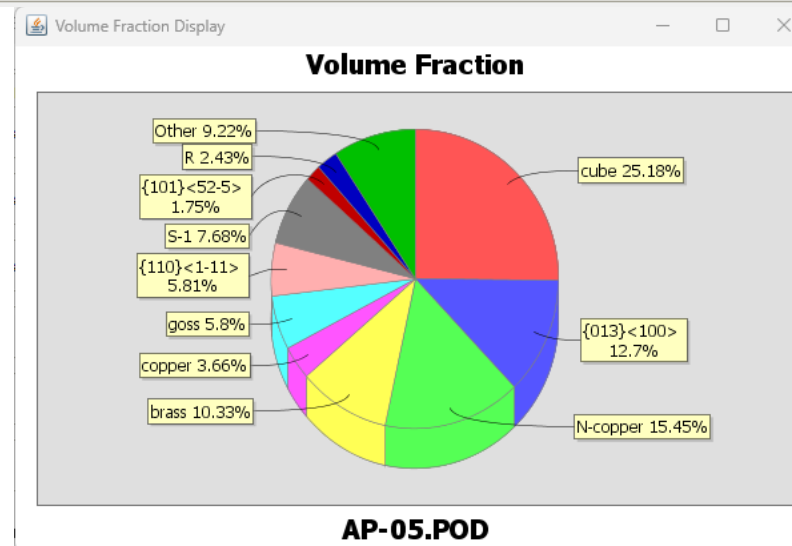
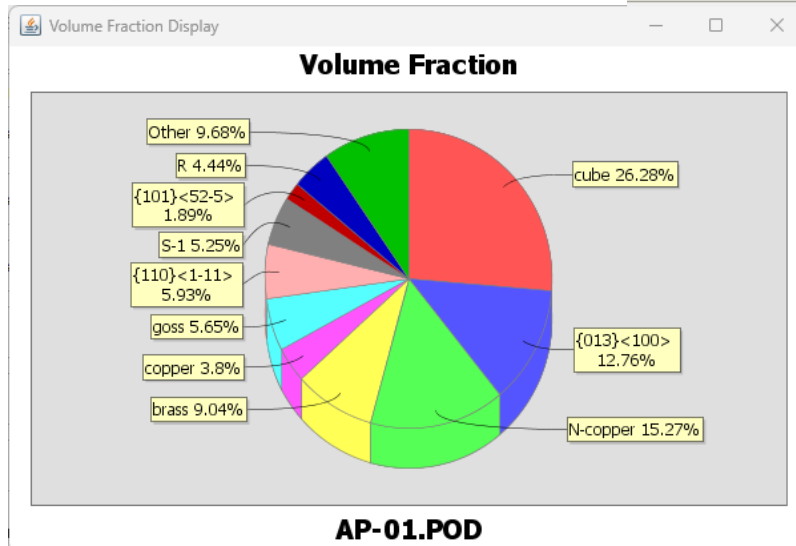




# P-1,5,10,Average比較

Inputfile : LaboTex-Texture-Quantitative Analysis Report

	C:\LaboTex2\USER\NO010\test.LAB\O-Cubic.LAB\Demo.LAB\AP-01.LAB\Job02\AP-01.POD	Disp	<input checked="" type="checkbox"/> AP-01.POD
	C:\LaboTex2\USER\NO010\test.LAB\O-Cubic.LAB\Demo.LAB\AP-05.LAB\Job02\AP-05.POD	Disp	<input checked="" type="checkbox"/> AP-05.POD
	C:\LaboTex2\USER\NO010\test.LAB\O-Cubic.LAB\Demo.LAB\P10.LAB\Job05\P10.POD	Disp	<input checked="" type="checkbox"/> P10.POD
	C:\LaboTex2\USER\NO010\test.LAB\O-Cubic.LAB\Demo.LAB\PAverage.LAB\Job02\PAverage.POD	Disp	<input checked="" type="checkbox"/> APAverage.POD



# P-1,5,10,Average比較

Samplename	cube	{013}<100>	N-copper	brass	copper	goss	{110}<1-11>	S-1	{101}<52-5>	R	Other
AP-01.POD	26.28	12.76	15.27	9.04	3.8	5.65	5.93	5.25	1.89	4.44	9.68
AP-05.POD	25.18	12.7	15.45	10.33	3.66	5.8	5.81	7.68	1.75	2.43	9.22
P10.POD	30.0	13.0	15.0	11.0	5.0	6.0	5.0	6.0	2.0	3.0	4.0
APAverage.POD	24.23	12.75	15.37	10.06	3.81	5.25	5.86	8.33	1.76	3.47	9.11

