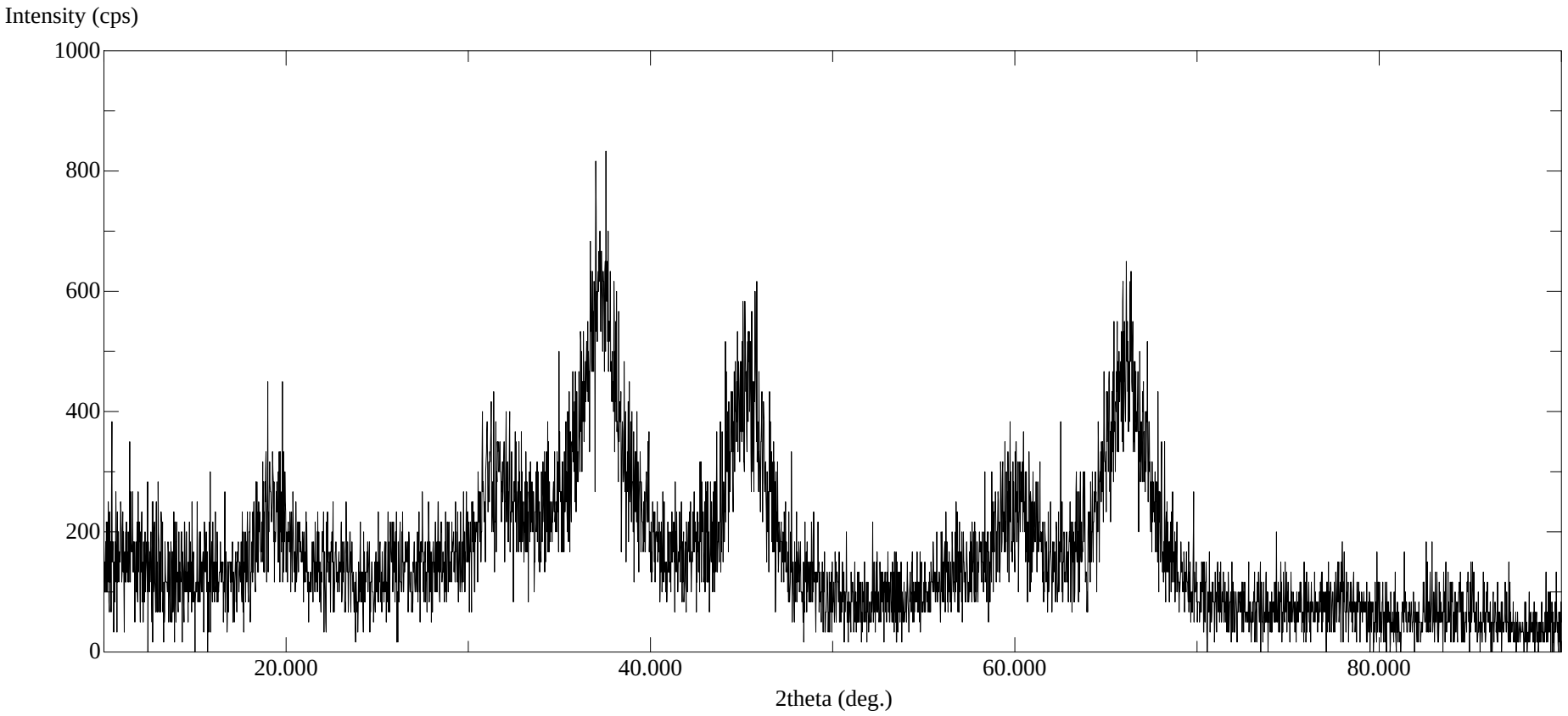
Raw data

Sample	: 1406MgAl2O4	X-ray	: Cu / 30 kV / 15 mA	Counter	: MiniFlex2 counter
File	: 1406MgAl2O4.raw	Goniometer	: MiniFlex2 goniometer		
Comment	: 4min 10-90 run	Attachment	: Miniflex 6 sample changer		
Date	: April-15-10 12:14:21	Filter	: Not used	Scan mode	: Continuous
Operator	: hoff	I.Monochro	: Not used	Scan speed	: 20.000 deg./min.
		C.Monochro	: Fixed Monochromator	Sampling width:	0.020 deg.
		DivSlit +	: 1.25 deg.	Scan axis	: 2theta/theta
		RecSlit	: 0.3mm	Scan range	: 10.000 -> 90.000 deg.
		SctSlit	: 1.25 deg.	Theta offset:	0.000 deg.
		Monochro RS:	0.8mm		

Memo :



Raw data,Smoothing,Background subtraction,Ka2 elimination

Sample : 1406MgAl2O4 File : 1406MgAl2O4.raw Date : April-15-10 12:14:21 Operator : hoff
Comment : 4min 10-90 run Memo :

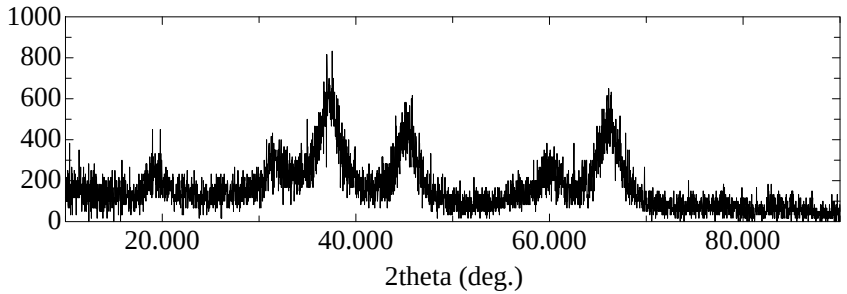
X-ray : Cu / 30 kV / 15 mA
Goniometer : MiniFlex2 goniometer
Attachment : Miniflex 6 sample changer
Filter : Not used
I.Monochro : Not used
C.Monochro : Fixed Monochromator
DivSlit + : 1.25 deg.
RecSlit : 0.3mm
SctSlit : 1.25 deg.
Monochro RS: 0.8mm

Counter : MiniFlex2 counter
Scan mode : Continuous
Scan speed : 20.000 deg./min.
Sampling width: 0.020 deg.
Scan axis : 2theta/theta
Scan range : 10.000 -> 90.000 deg.
Theta offset: 0.000 deg.

[Smoothing] Smoothing Points :
[Background subtraction] Peak max. width :
[Ka2 elimination] Intensity ratio (Ka2/Ka1):

Peak min.height :

Raw data



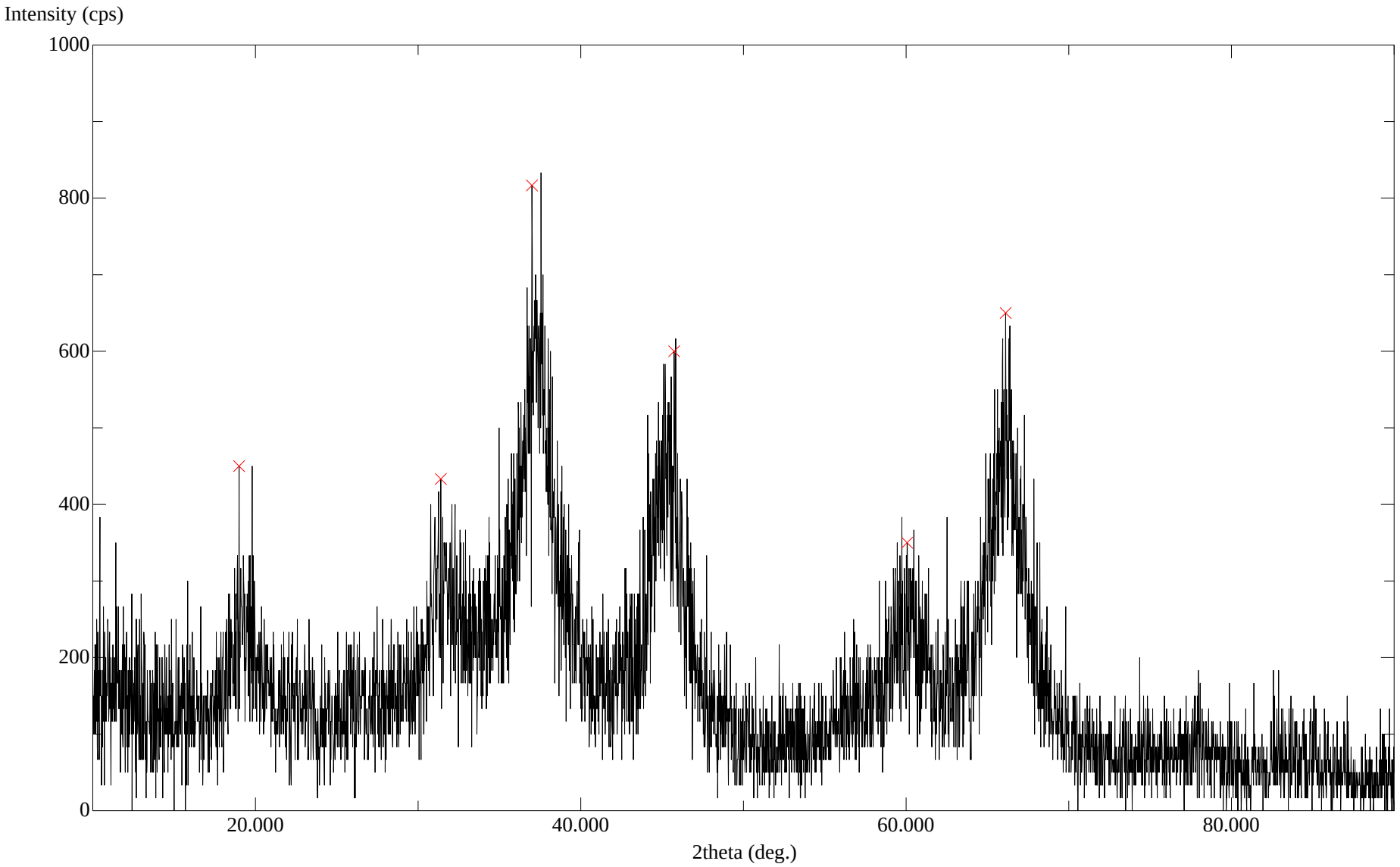
Smoothing

Background subtraction

Ka2 elimination

Peak Search

Sample	: 1406MgAl2O4	File	: 1406MgAl2O4.raw	Date	: April-15-10 12:14:21	Operator	: hoff
Comment	: 4min 10-90 run	Memo	:				
Method	: 2nd differential	Typical width	: 0.000 deg.	Min. height	: 0.00 cps		



Peak Search

Sample : 1406MgAl2O4 File : 1406MgAl2O4.raw Date : April-15-10 12:14:21 Operator : hoff
Comment : 4min 10-90 run Memo :
Method : 2nd differential Typical width : 0.000 deg. Min. height : 0.00 cps

Peak no.	2theta	Flex	Width	d-value	Intensity	I/Io	Peak no.	2theta	Flex	Width	d-value	Intensity	I/Io
1	19.000	*****		4.6670	450	56							
2	31.400	*****		2.8466	433	54							
3	37.000	*****		2.4276	817	100							
4	45.740	*****		1.9820	600	74							
5	60.060	*****		1.5392	350	43							
6	66.120	*****		1.4120	650	80							