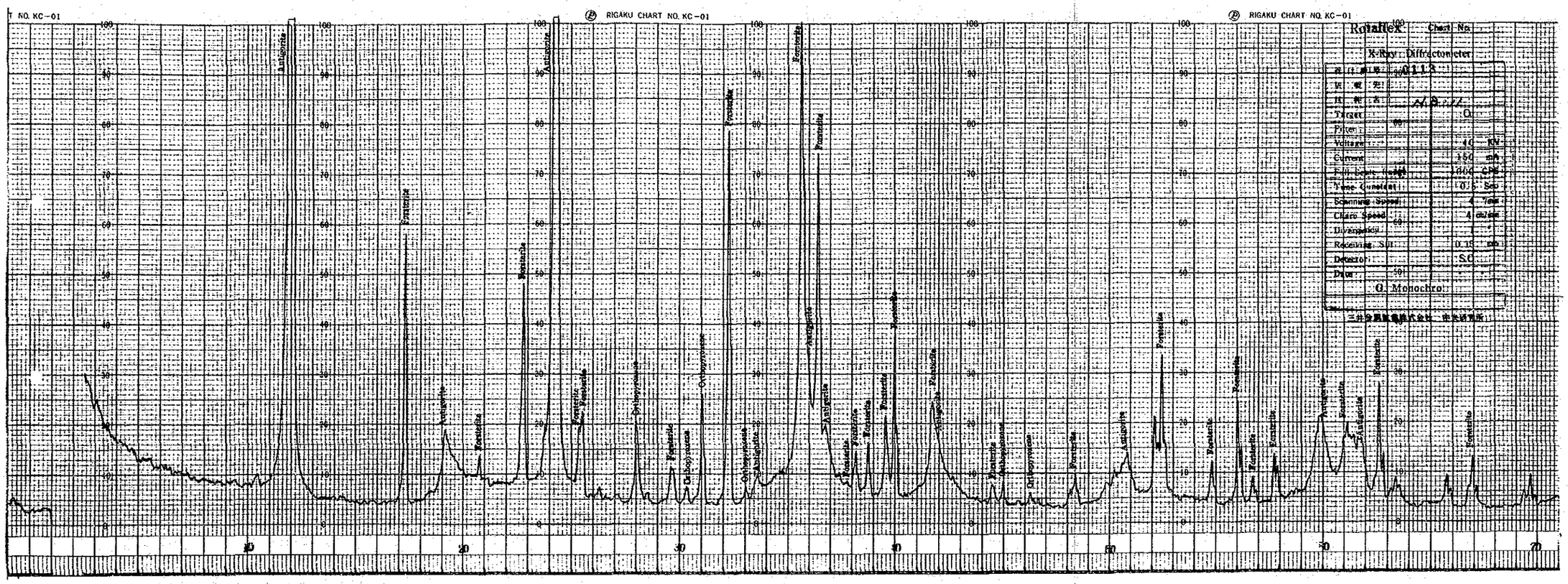
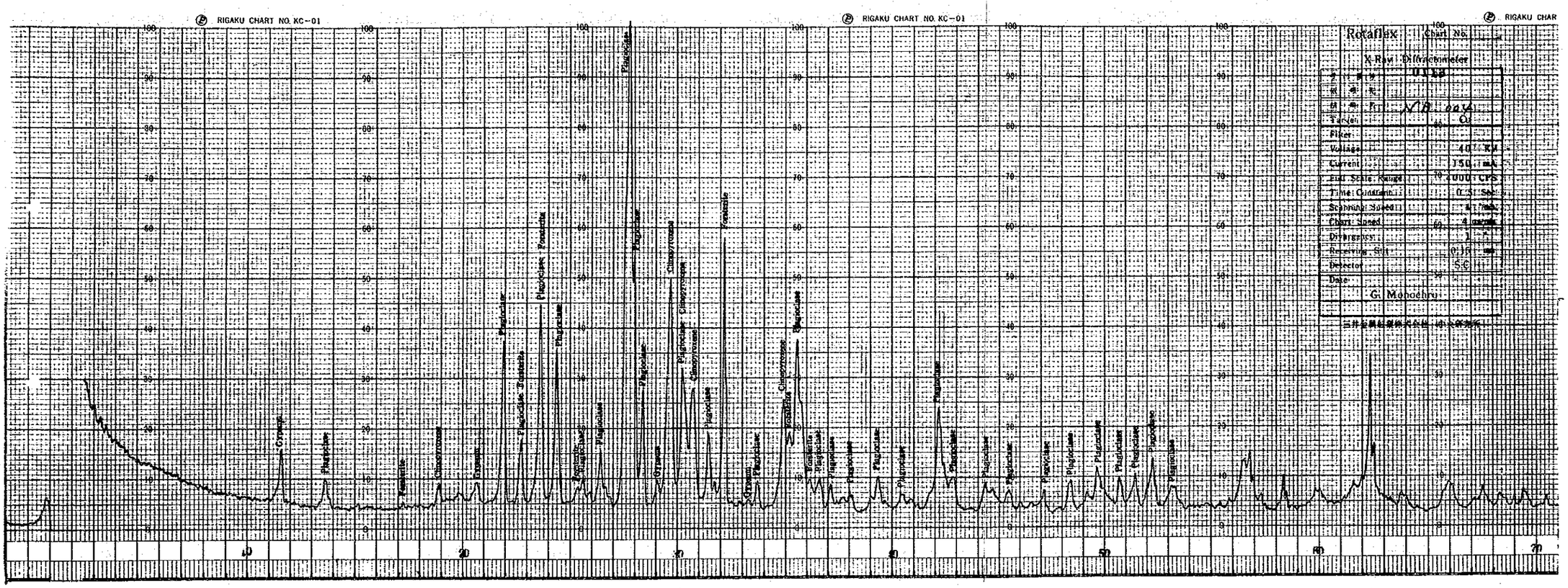
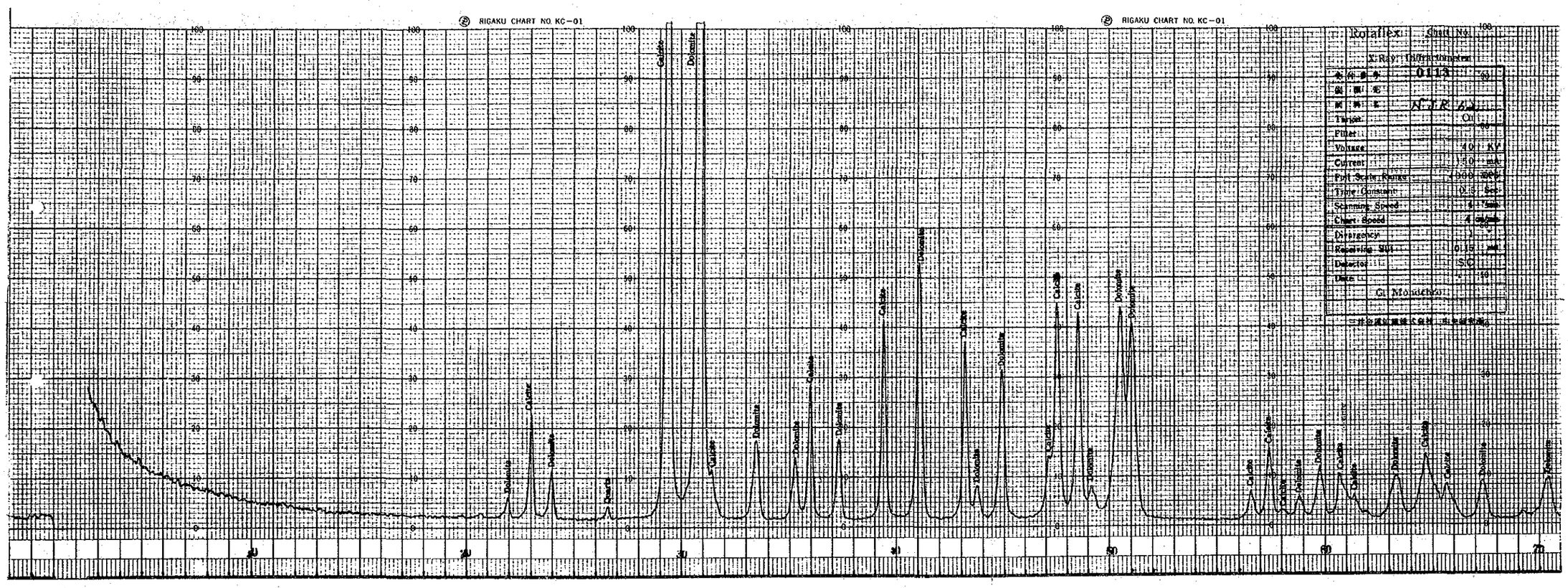
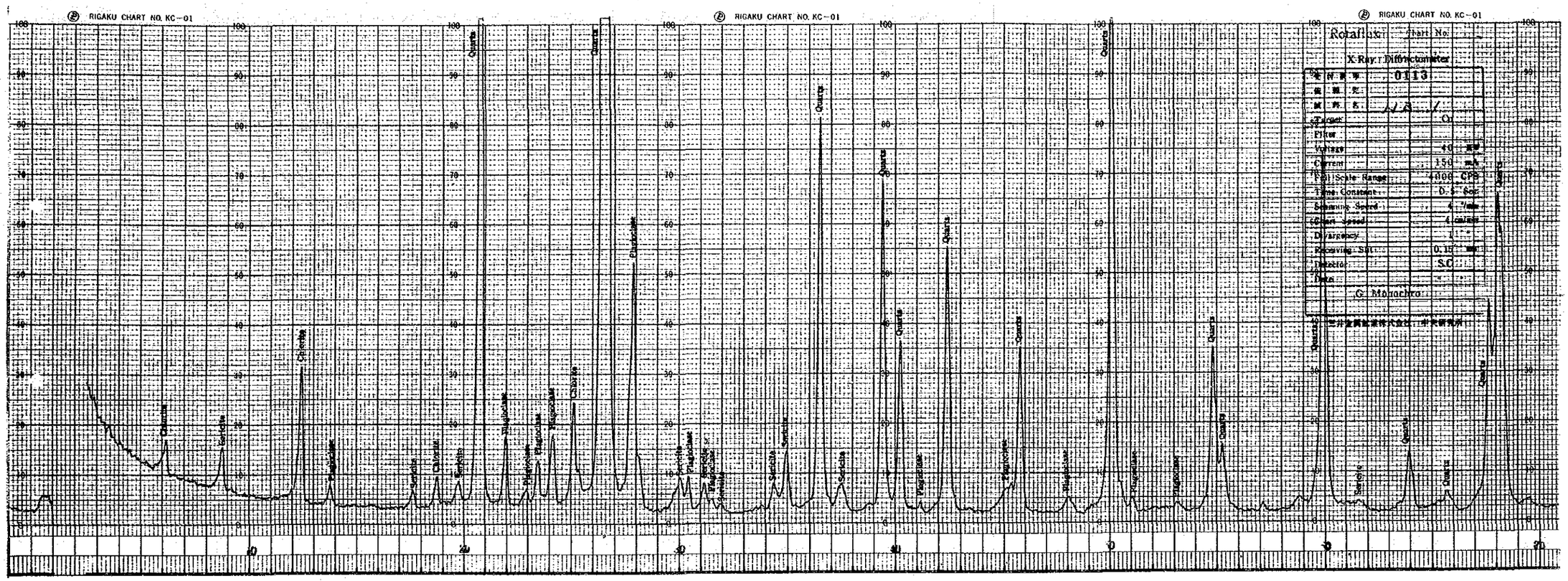
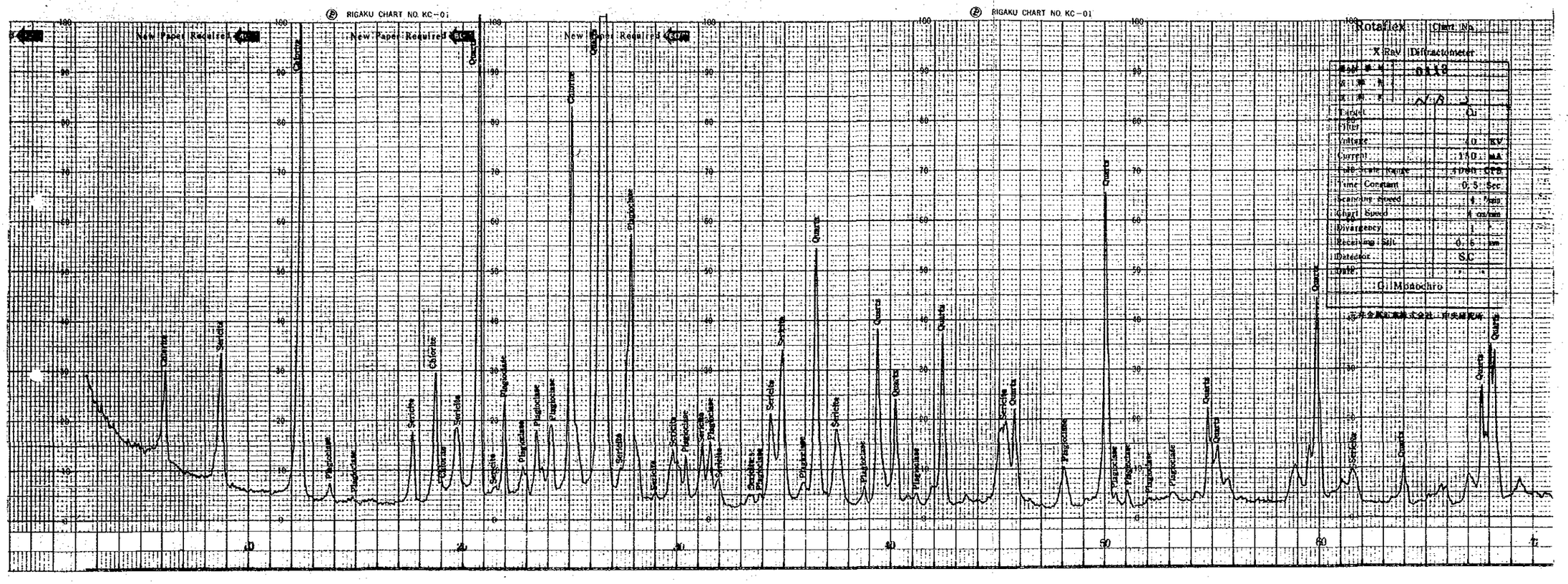
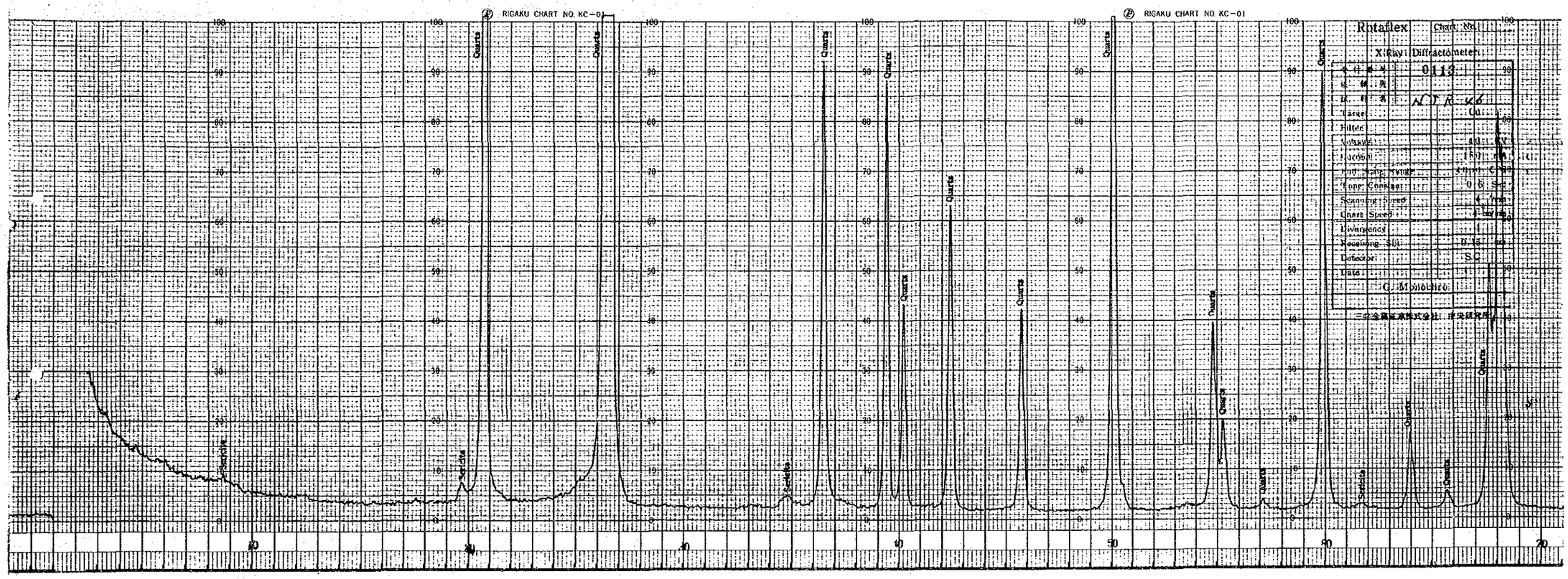

RIGAKU CHART NO. KC-01
Rotaflex
Chart No.
X-Ray Diffractometer
0113
Target
Power
Voltage
Current
Time Constant
Scanning Speed
Chart Speed
Receiving Slit
Detector
Drive
S.C
G. Monochro

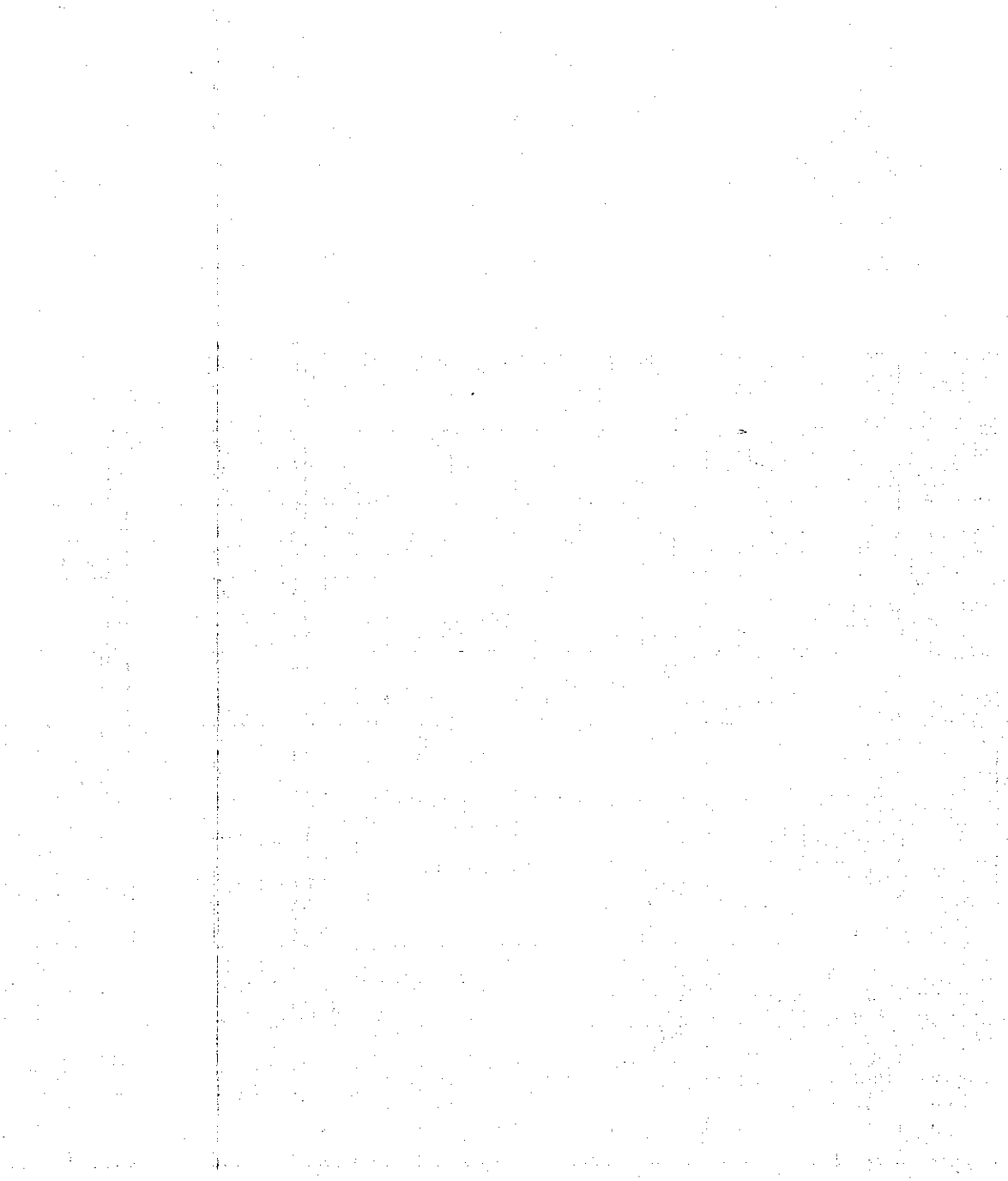

RIGAKU CHART NO. KC-01
Rotaflex
Chart No.
X-Ray Diffractometer
Target
Filter
Voltage
Current
Full Scale Range
Time Constant
Scanning Speed
Chart Speed
Divergence
Receiving Slit
Detector
Date
G. Matsuura
Plagioclase
Pyroxene
Olivine
Chromite
Quartz
Pyrrhotite


RIGAKU CHART NO. KC-01
Rotaflex
Chart No.
X-Ray Diffractometer
0113
Target
Cu
Filter
Voltage
40 KV
Current
150 mA
Full Scale Range
1000 cps
Time Constant
0.5 Sec.
Scanning Speed
4°/min
Chart Speed
4 cm/min
Divergency
1°
Receiving Slit
0.15 mm
Detector
SC
Goniometer
Cu Monochro.
Calcite
Dolomite


RIGAKU CHART NO. KC-01
Rotaflex
Chart No.
X-Ray Diffractometer
0113
Target
Filter
Voltage
40 kV
Current
150 mA
Full Scale Range
4000 CPS
Time Constant
0.5 Sec
Scanning Speed
4 °/min
Chart Speed
4 cm/min
Divergency
1°
Receiving Slit
0.15 mm
Detector
S.C
Date
G. Matsuchiro
Quartz
Chlorite
Sericite
Plagioclase
Pyroxene


RIGAKU CHART NO. KC-01
New Paper Required
Quartz
Sericite
Chlorite
Plagioclase
Rotaflex
Chart No.
X Ray Diffractometer
Target
Filter
Voltage 40 KV
Current 150 mA
Full Scale Range 1000 CPS
Time Constant 0.5 Sec
Scanning Speed 4 °/min
Chart Speed 4 cm/min
Divergency 1°
Receiving Slit 0.6 mm
Detector S.C
Date
C. Monochro

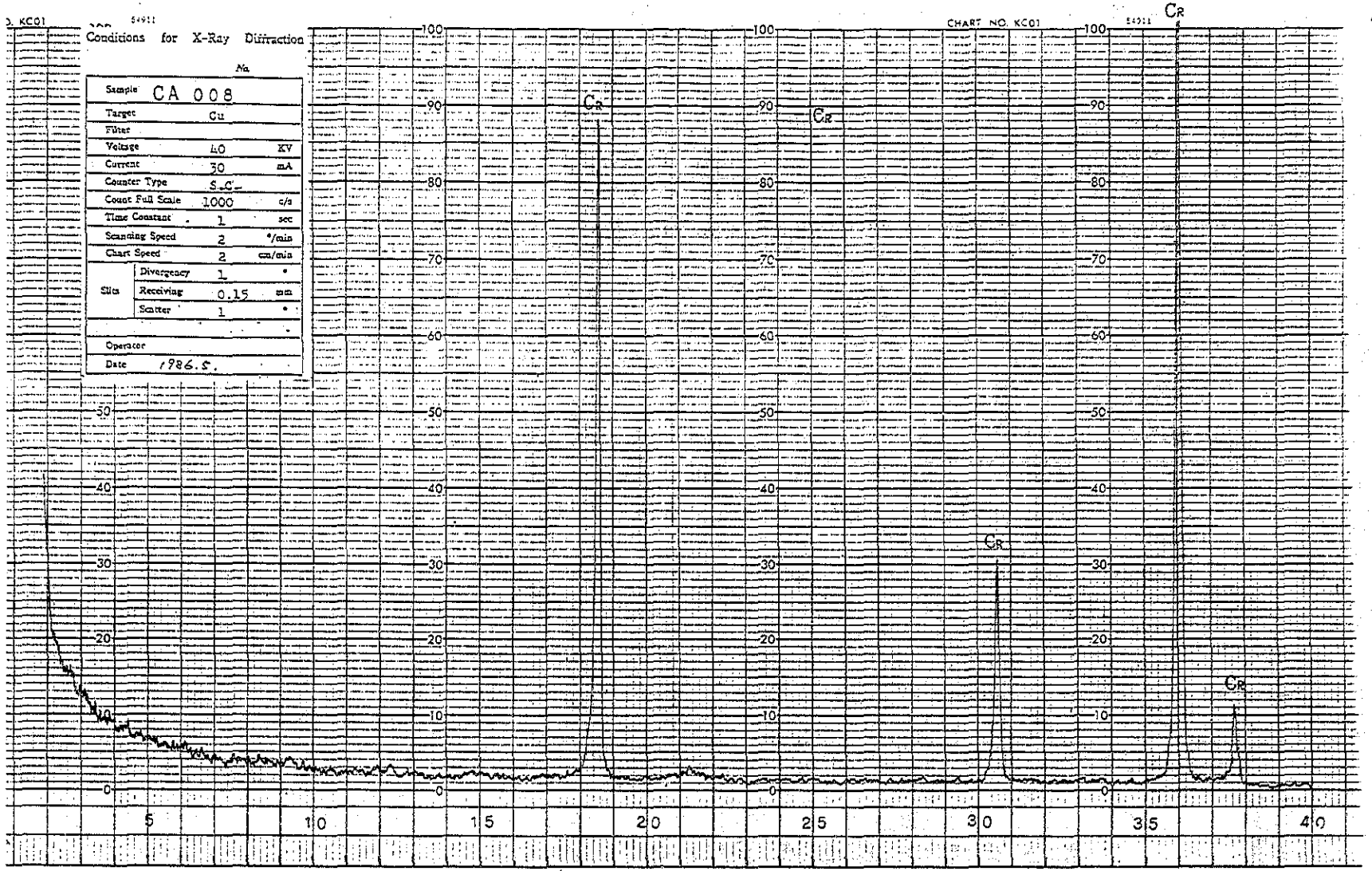

RIGAKU CHART NO. KC-01
Quartz
Sericite
Rotaflex
X-Ray Diffractometer
Chart No.
Target
Filter
Voltage
Current
Time Const.
Scanning Speed
Chart Speed
Divergency
Receiving Slit
Detector
Date
Goniometer
SC
Cu
Ni
40 kV
100 mA
0.5 sec
4 °/min
2 cm/deg
0.15 mm
0113
NJR-K6
RIGAKU DENKI CO., LTD.

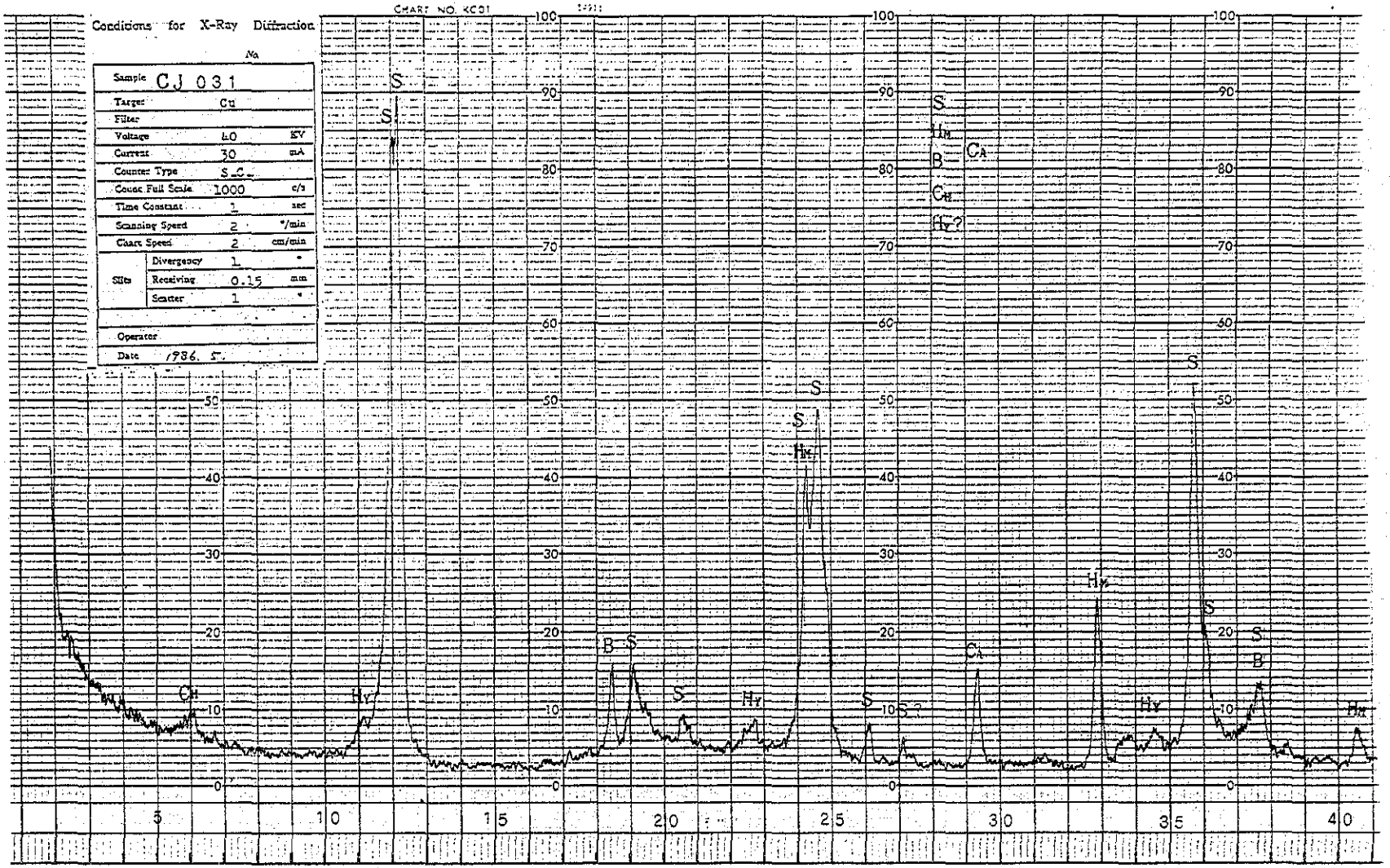


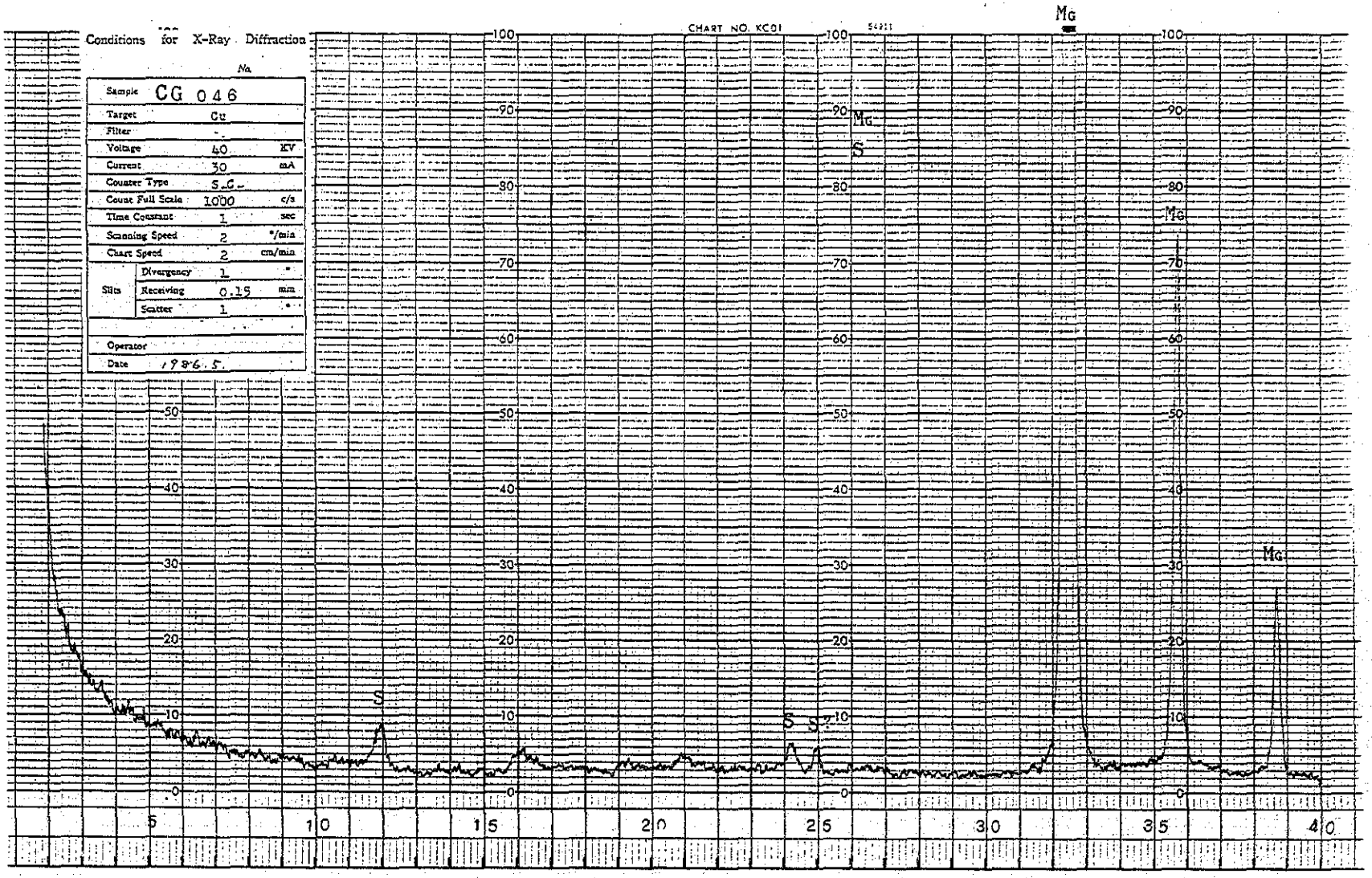
Appendix 5-3 Result of X-Ray Diffraction Analysis (Puerto Area)

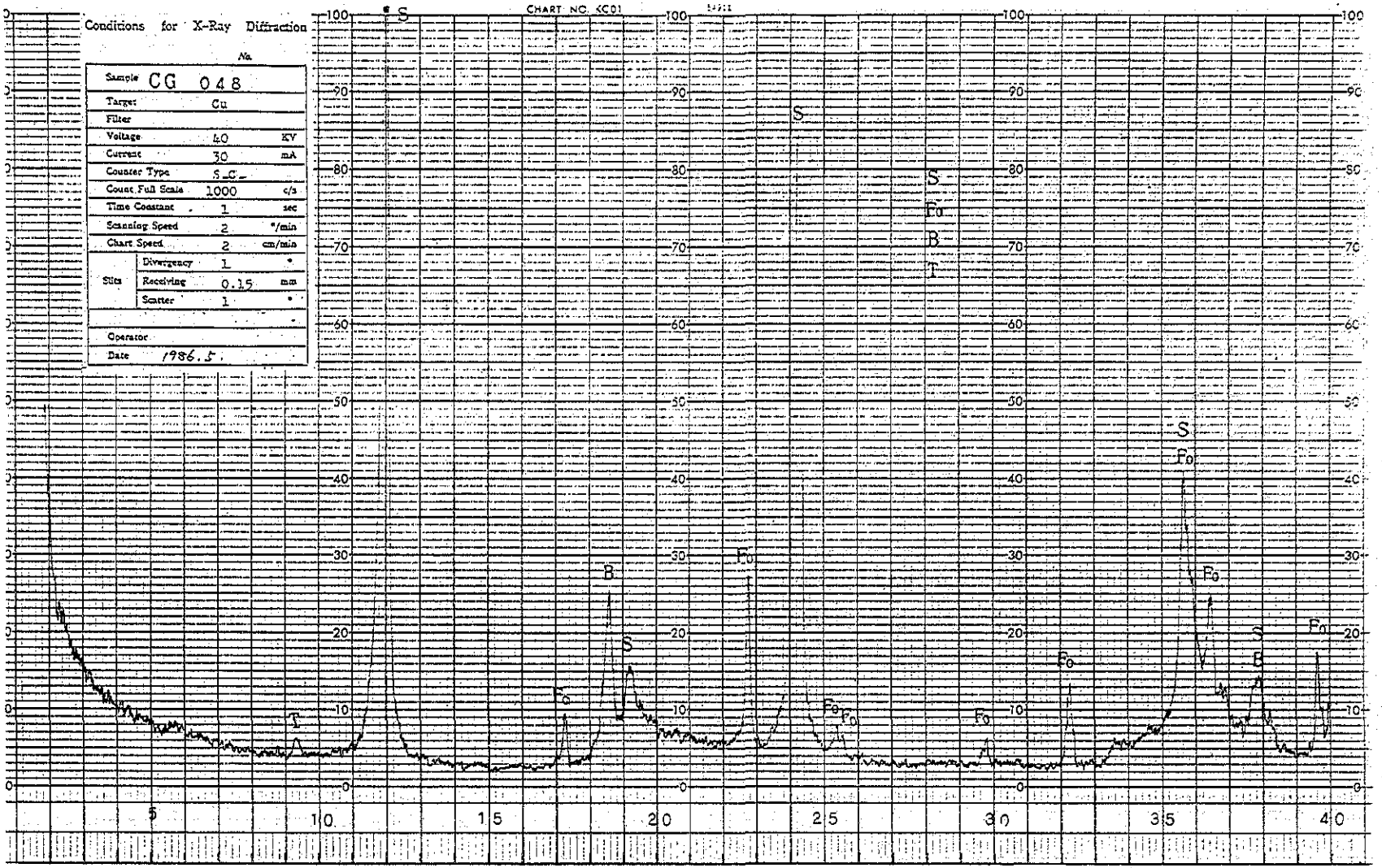
Estimated Mineral / Sample	Magnesite	Brucite	Forsterite	Talc	Dolomite	Calcite	Quartz	Feldspar	Epidote	Amphibole	Chlorite	Montmorillonite	Hydrotalcite	Serpentine	Chromite	Hematite	Mica	
CA-008															◎			
CJ-031		△				△					△		●?	○		○		
CG-046	◎													●				
CG-048		○	○	●?										◎				
CE-012-13		△	○		○									◎	△			
CG-008							○	○	○	◎	△						●	
CA-016														○	◎			
CA-019												●?		◎				
CA-30B										◎	○							
CA-033													●?	○	△			
CA-031B											△			●	◎			

◎ Abundant ○ Medium △ Small ● Rare


KC01
Conditions for X-Ray Diffraction
Na
Sample CA 008
Target Cu
Filter
Voltage 40 KV
Current 30 mA
Counter Type S.C.
Count Full Scale 1000 c/s
Time Constant 1 sec
Scanning Speed 2 °/min
Chart Speed 2 cm/min
Slits Divergency 1 °
Receiving 0.15 mm
Scatter 1 °
Operator
Date 1986.5.
CHART NO. KC01
CR
100
90
80
70
60
50
40
30
20
10
0
5
10
15
20
25
30
35
40


Conditions for X-Ray Diffraction
Na
Sample CJ 031
Target Cu
Filter
Voltage 40 kV
Current 30 mA
Counter Type S.C.
Count Full Scale 1000 c/s
Time Constant 1 sec
Scanning Speed 2 °/min
Chart Speed 2 cm/min
Slits Divergency 1 °
Receiving 0.15 mm
Scatter 1 °
Operator
Date 1986. 5.
CHART NO. KC01
S
Hm
B
CA
CH
Hγ?
Hγ
Cλ
Hα
5
10
15
20
25
30
35
40


Conditions for X-Ray Diffraction
Na
Sample CG 046
Target Cu
Filter -
Voltage 40 KV
Current 30 mA
Counter Type S.C.
Count Full Scale 1000 c/s
Time Constant 1 sec
Scanning Speed 2 °/min
Chart Speed 2 cm/min
Slits Divergency 1 °
Receiving 0.15 mm
Scatter 1 °
Operator
Date 1986.5.
CHART NO. KC01
Mg
S
5
10
15
20
25
30
35
40


Conditions for X-Ray Diffraction
Na
Sample CG 048
Target Cu
Filter
Voltage 40 KV
Current 30 mA
Counter Type S.C.
Count Full Scale 1000 c/s
Time Constant 1 sec
Scanning Speed 2 °/min
Chart Speed 2 cm/min
Slits Divergency 1 °
Receiving 0.15 mm
Scatter 1 °
Operator
Date 1986.5.
CHART NO. KC01
S
Fo
B
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5
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15
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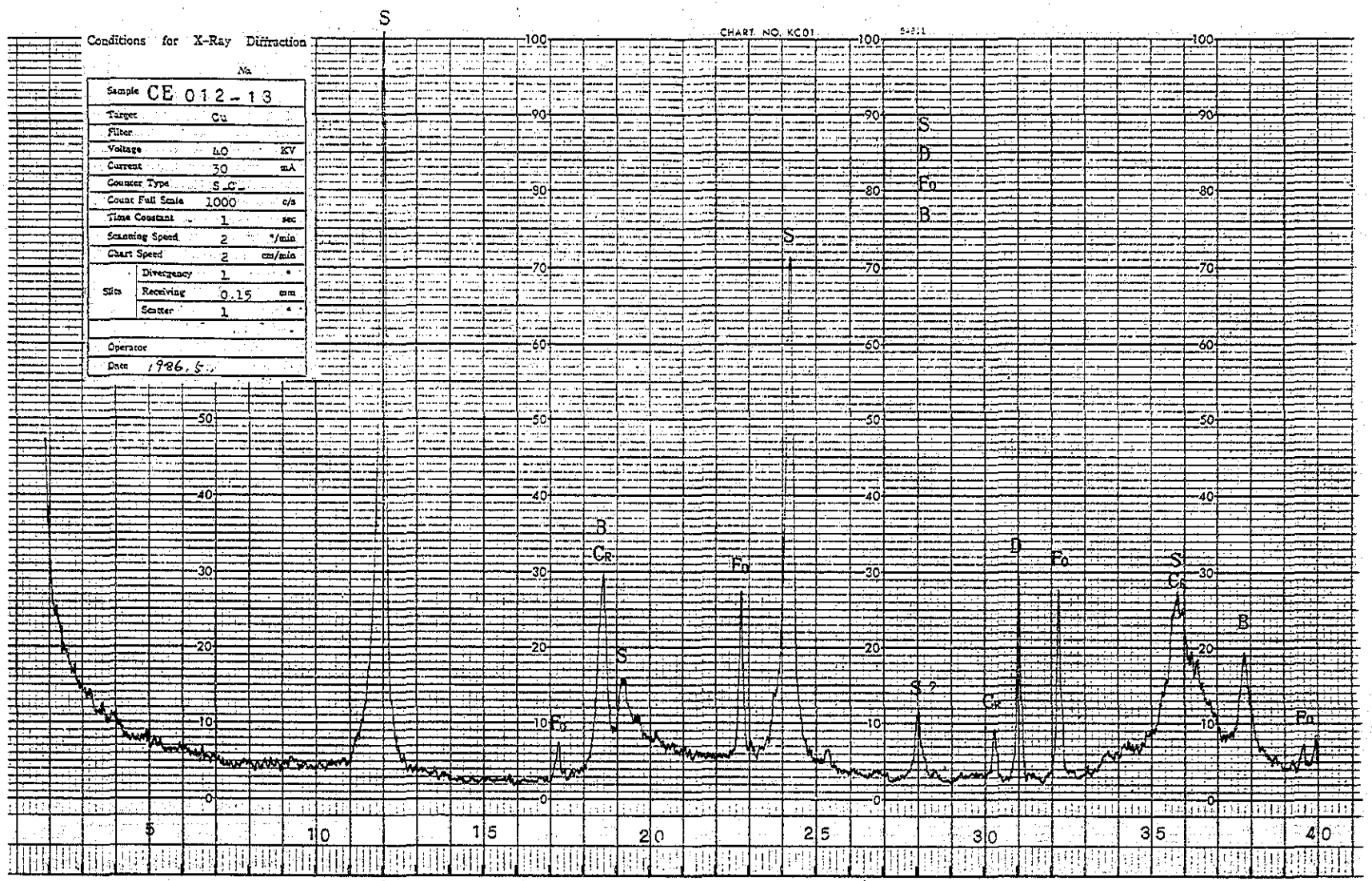
Conditions for X-Ray Diffraction
No.
Sample CE 012-13
Target Cu
Filter
Voltage 40 KV
Current 30 mA
Counter Type S.C.
Count Full Scale 1000 c/s
Time Constant 1 sec
Scanning Speed 2 °/min
Chart Speed 2 cm/min
Slits Divergency 1 °
Receiving 0.15 mm
Scatter 1 °
Operator
Date 1986.5.
CHART NO. KC01
S-311
S
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S?
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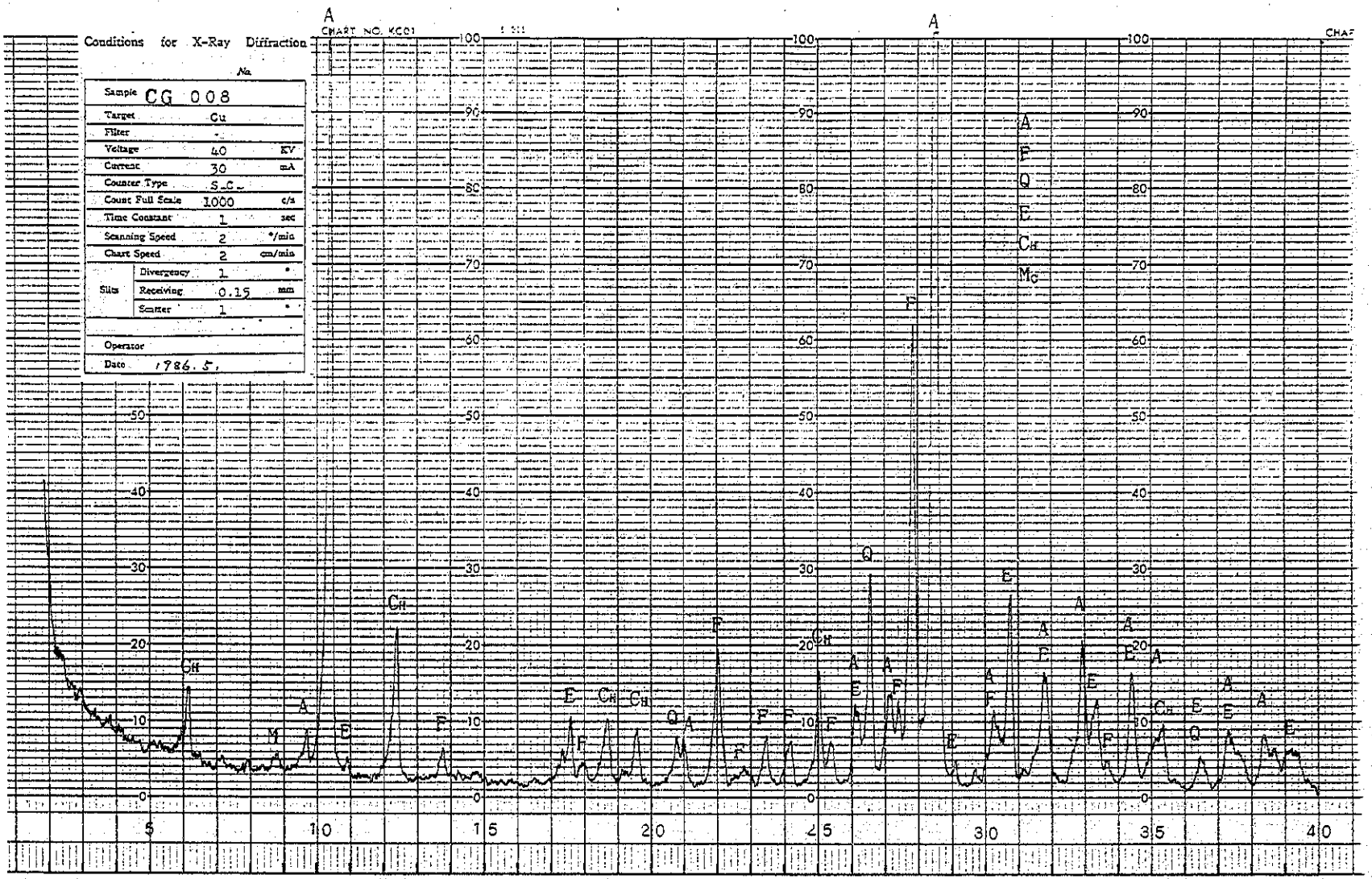
Conditions for X-Ray Diffraction
Na
Sample CG 008
Target Cu
Filter -
Voltage 40 KV
Current 30 mA
Counter Type S.C.
Count Full Scale 1000 c/s
Time Constant 1 sec
Scanning Speed 2 °/min
Chart Speed 2 cm/min
Slits Divergency 1 °
Receiving 0.15 mm
Scatter 1 °
Operator
Date 1986. 5.
CHART NO. KC01
A
F
Q
E
CH
MC
100
90
80
70
60
50
40
30
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10
0
5
10
15
20
25
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35
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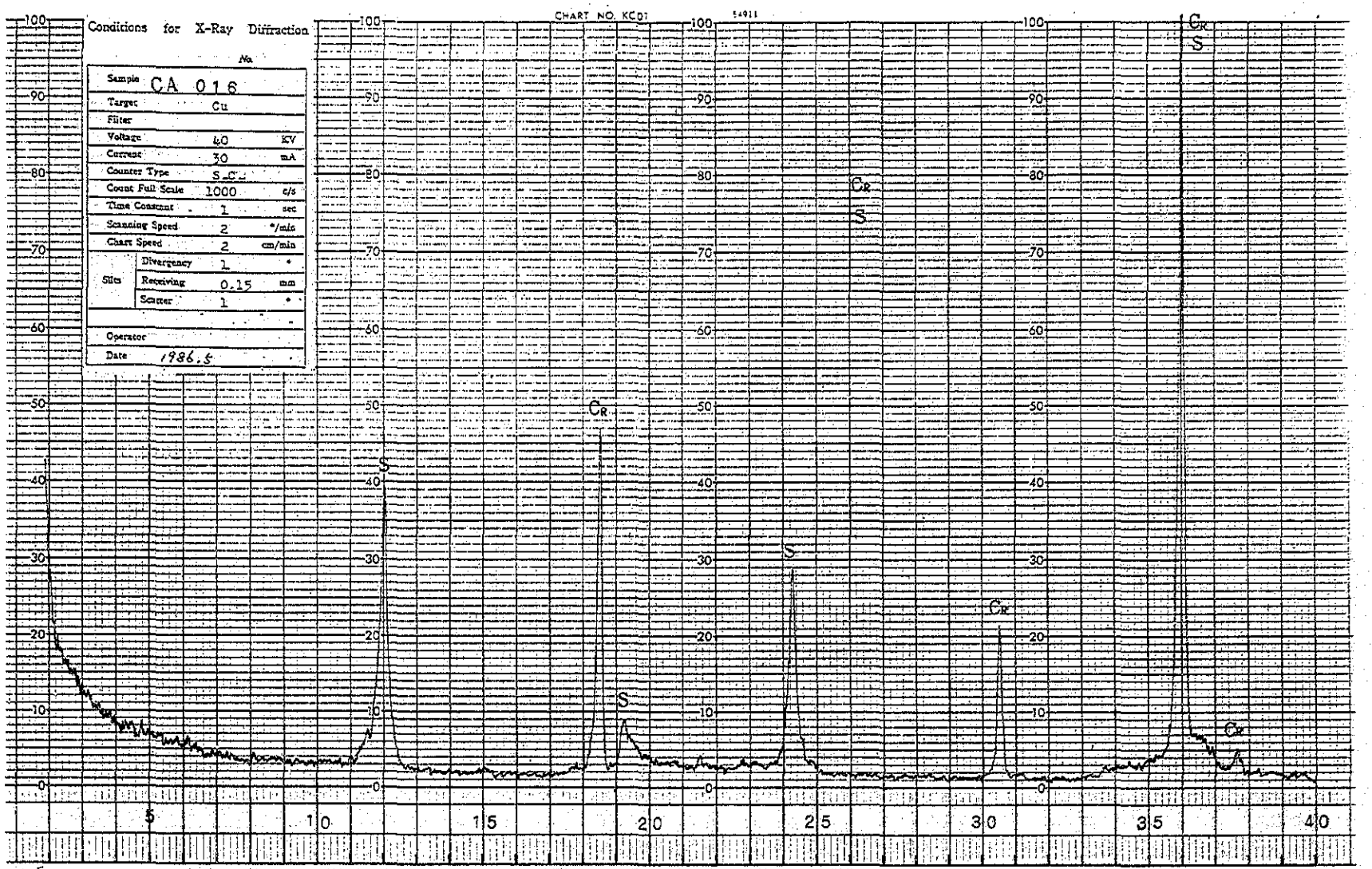
Conditions for X-Ray Diffraction
No.
Sample CA 016
Target Cu
Filter
Voltage 40 KV
Current 30 mA
Counter Type S.C.
Count Full Scale 1000 c/s
Time Constant 1 sec
Scanning Speed 2 °/min
Chart Speed 2 cm/min
Slits Divergency 1 °
Receiving 0.15 mm
Scatter 1 °
Operator
Date 1986.5
CHART NO. KC01
54911
CR
S
5
10
15
20
25
30
35
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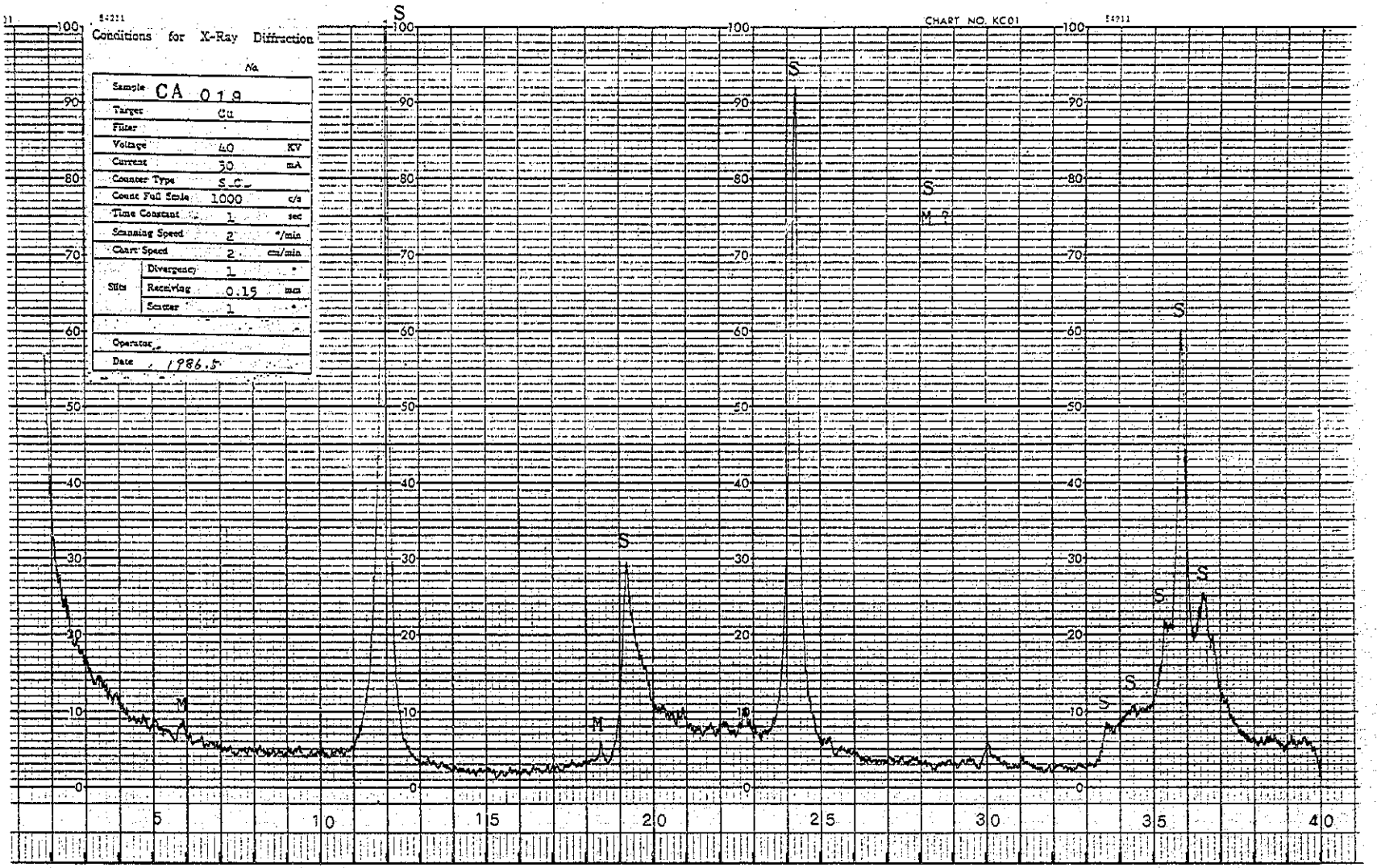
Conditions for X-Ray Diffraction
No.
Sample CA 019
Target Cu
Filter
Voltage 40 KV
Current 30 mA
Counter Type S.C.
Count Full Scale 1000 c/s
Time Constant 1 sec
Scanning Speed 2 °/min
Chart Speed 2 cm/min
Slits Divergency 1 °
Receiving 0.15 mm
Scatter 1 °
Operator
Date 1986.5
CHART NO. KC01
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80
70
60
50
40
30
20
10
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5
10
15
20
25
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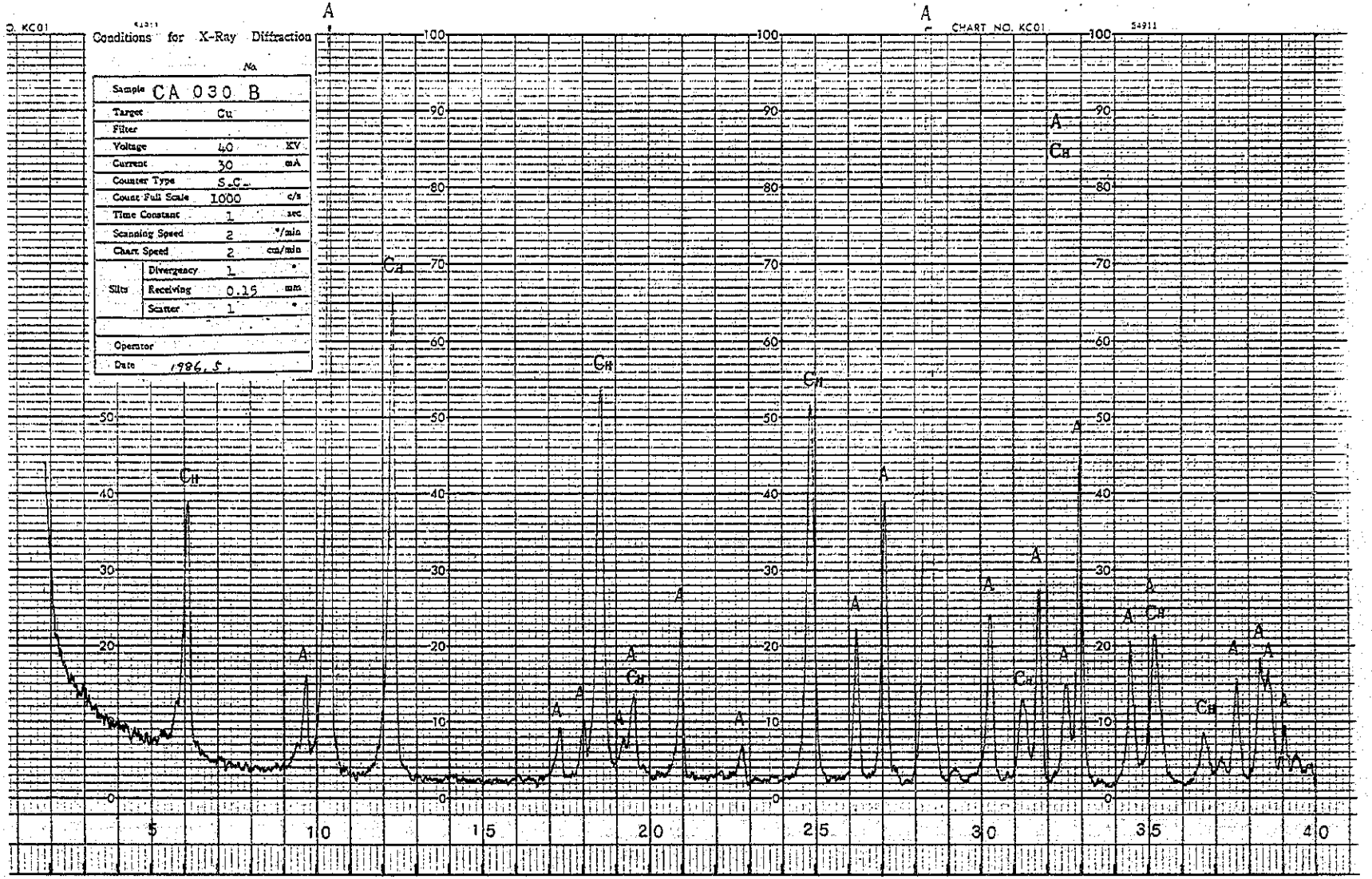
Conditions for X-Ray Diffraction
No.
Sample CA 030 B
Target Cu
Filter
Voltage 40 KV
Current 30 mA
Counter Type S.C.
Count Full Scale 1000 c/s
Time Constant 1 sec
Scanning Speed 2 °/min
Chart Speed 2 cm/min
Slits Divergency 1 °
Receiving 0.15 mm
Scatter 1 °
Operator
Date 1986. 5.
CHART NO. KC01
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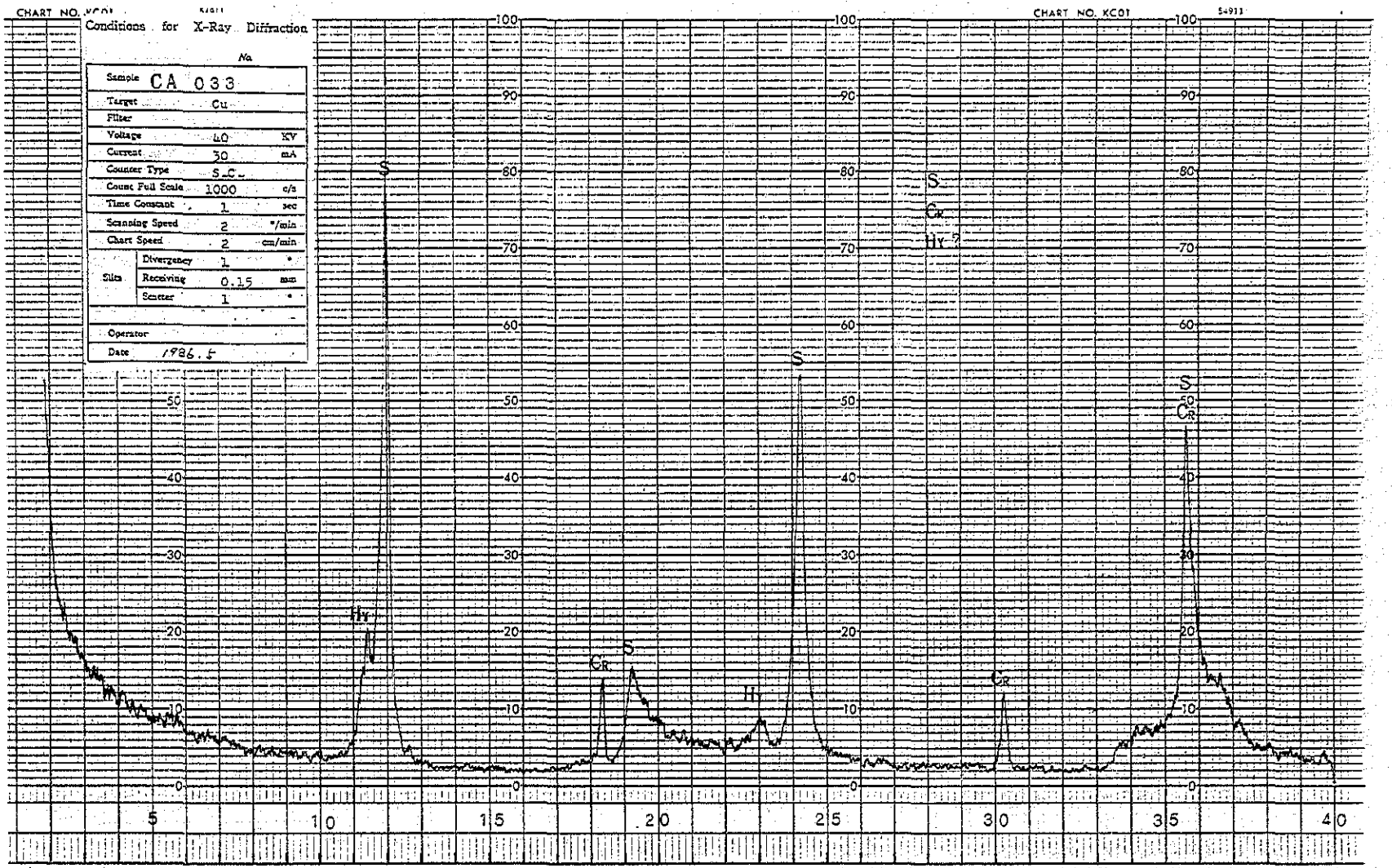
CHART NO. KC01
Conditions for X-Ray Diffraction
No.
Sample CA 033
Target Cu
Filter
Voltage 40 KV
Current 30 mA
Counter Type S.C.
Count Full Scale 1000 c/s
Time Constant 1 sec
Scanning Speed 2 °/min
Chart Speed 2 cm/min
Slits Divergency 1 °
Receiving 0.15 mm
Scatter 1 °
Operator
Date 1986.5
CHART NO. KC01
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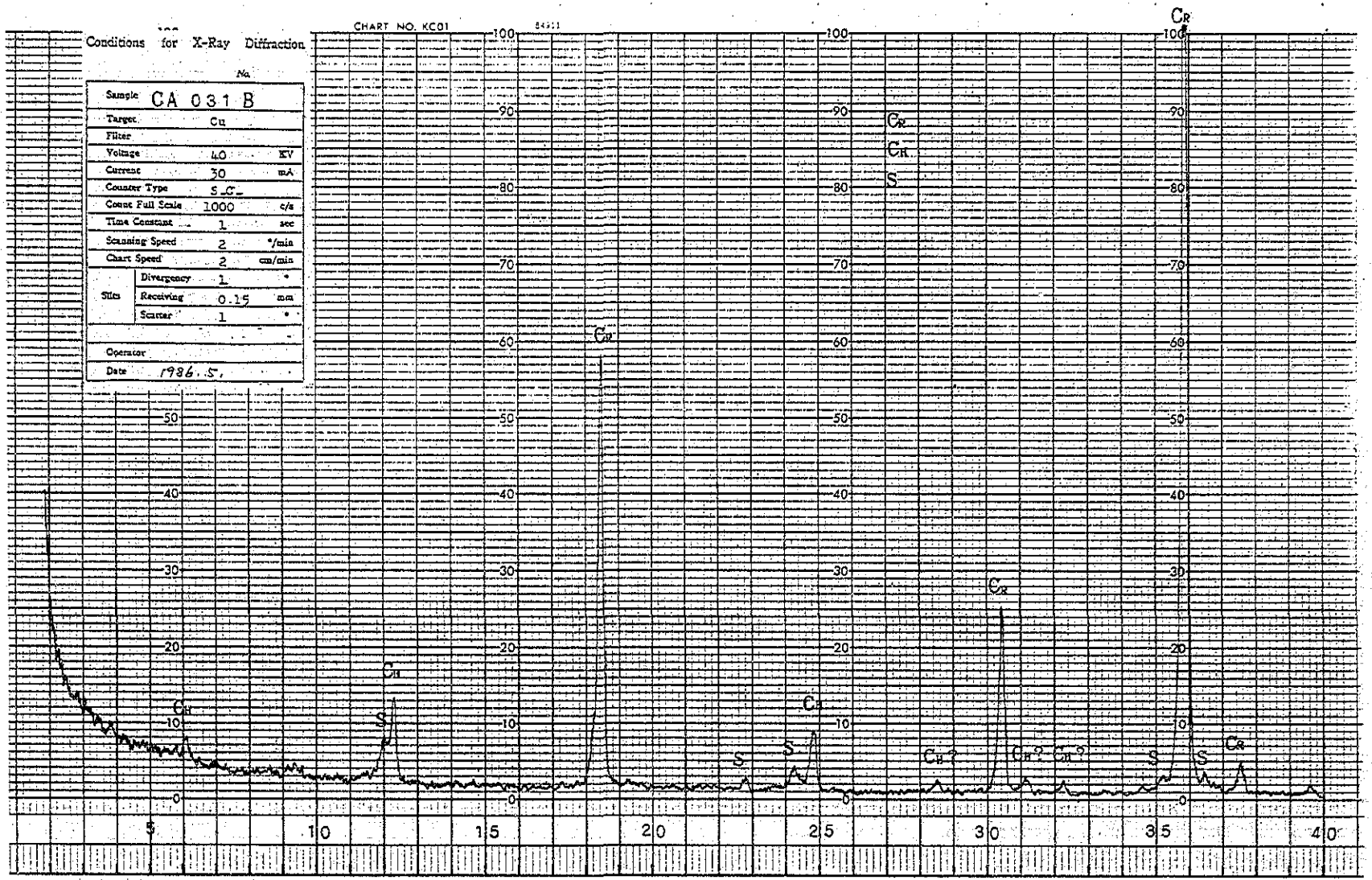
CHART NO. KC01
Conditions for X-Ray Diffraction
No.
Sample CA 031 B
Target Cu
Filter
Voltage 40 KV
Current 30 mA
Counter Type S.C.
Count Full Scale 1000 c/s
Time Constant 1 sec
Scanning Speed 2 °/min
Chart Speed 2 cm/min
Slits Divergency 1 °
Receiving 0.15 mm
Scatter 1 °
Operator
Date 1986. 5.
CR
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CH? CR?
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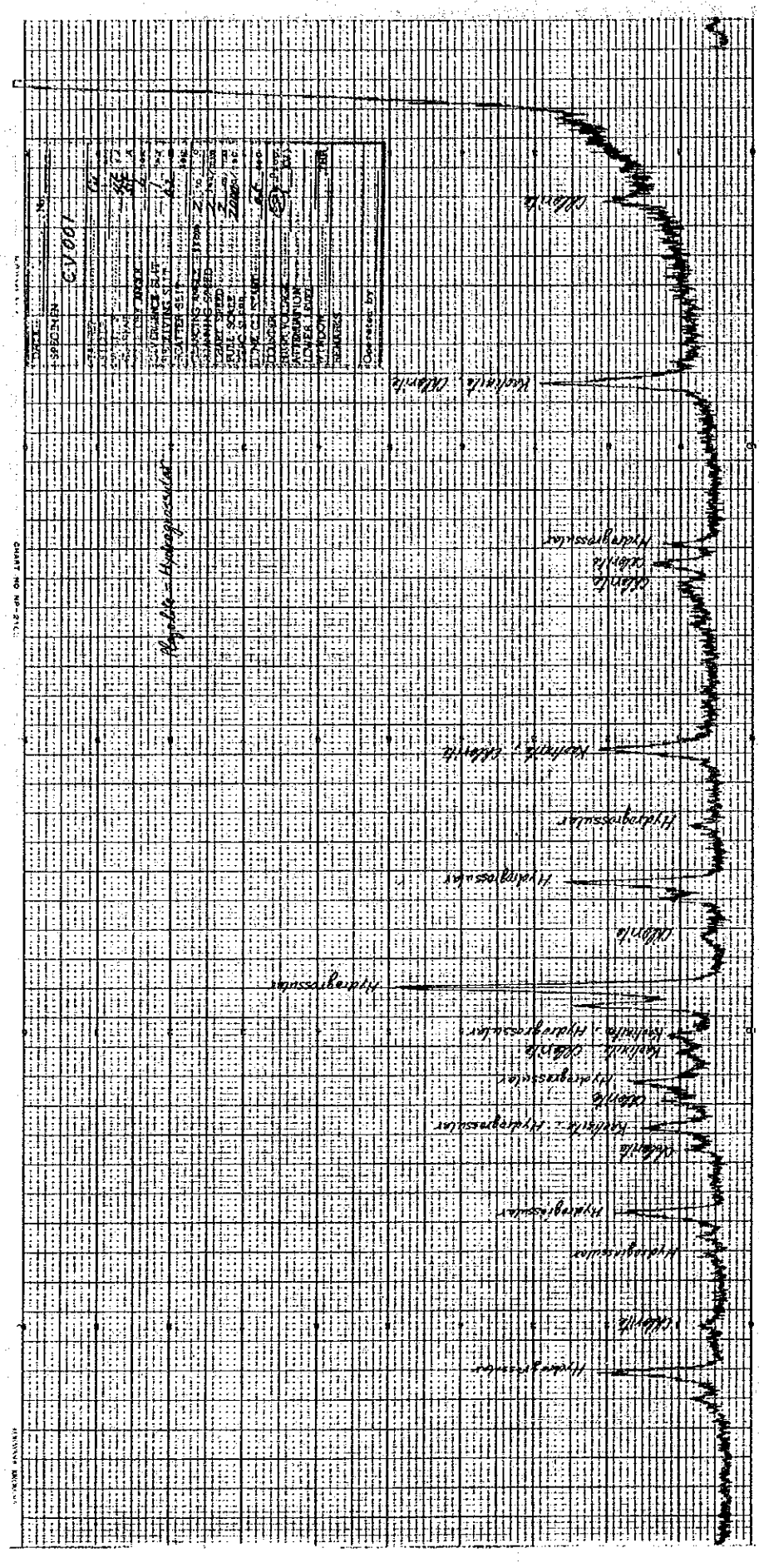
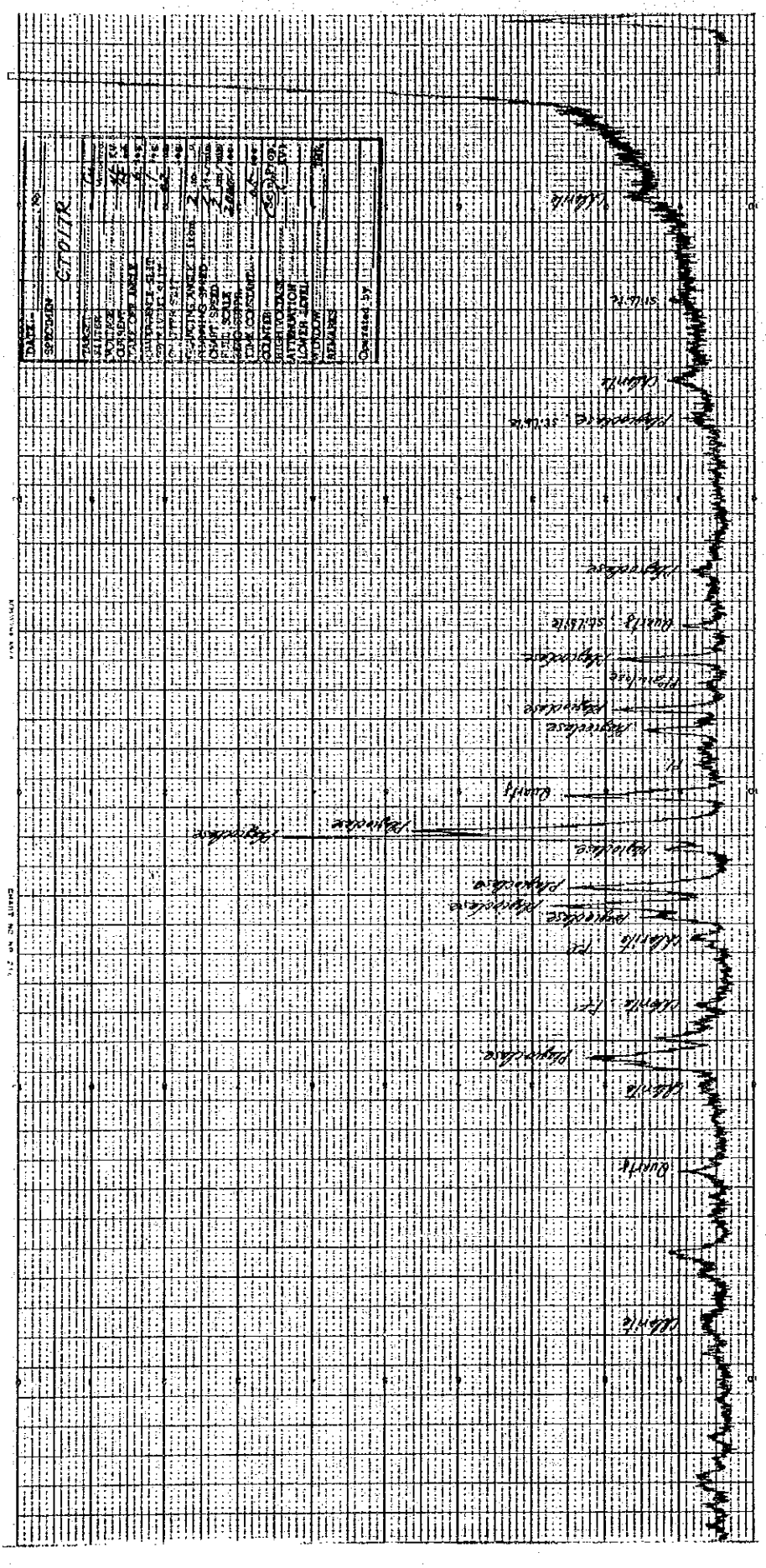
40

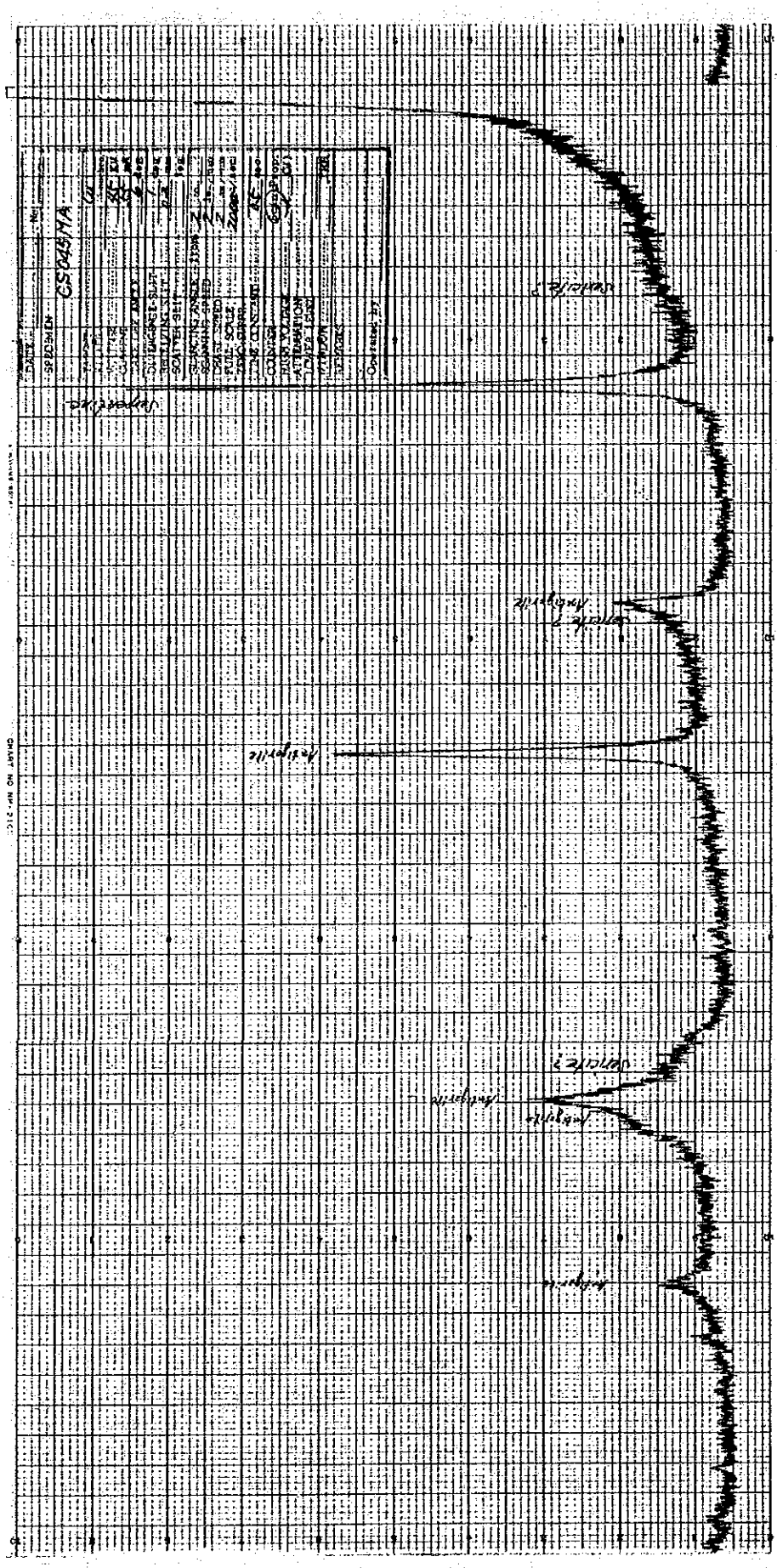
Appendix 5-4 Result of X-Ray Diffraction Analysis (Nara Area)

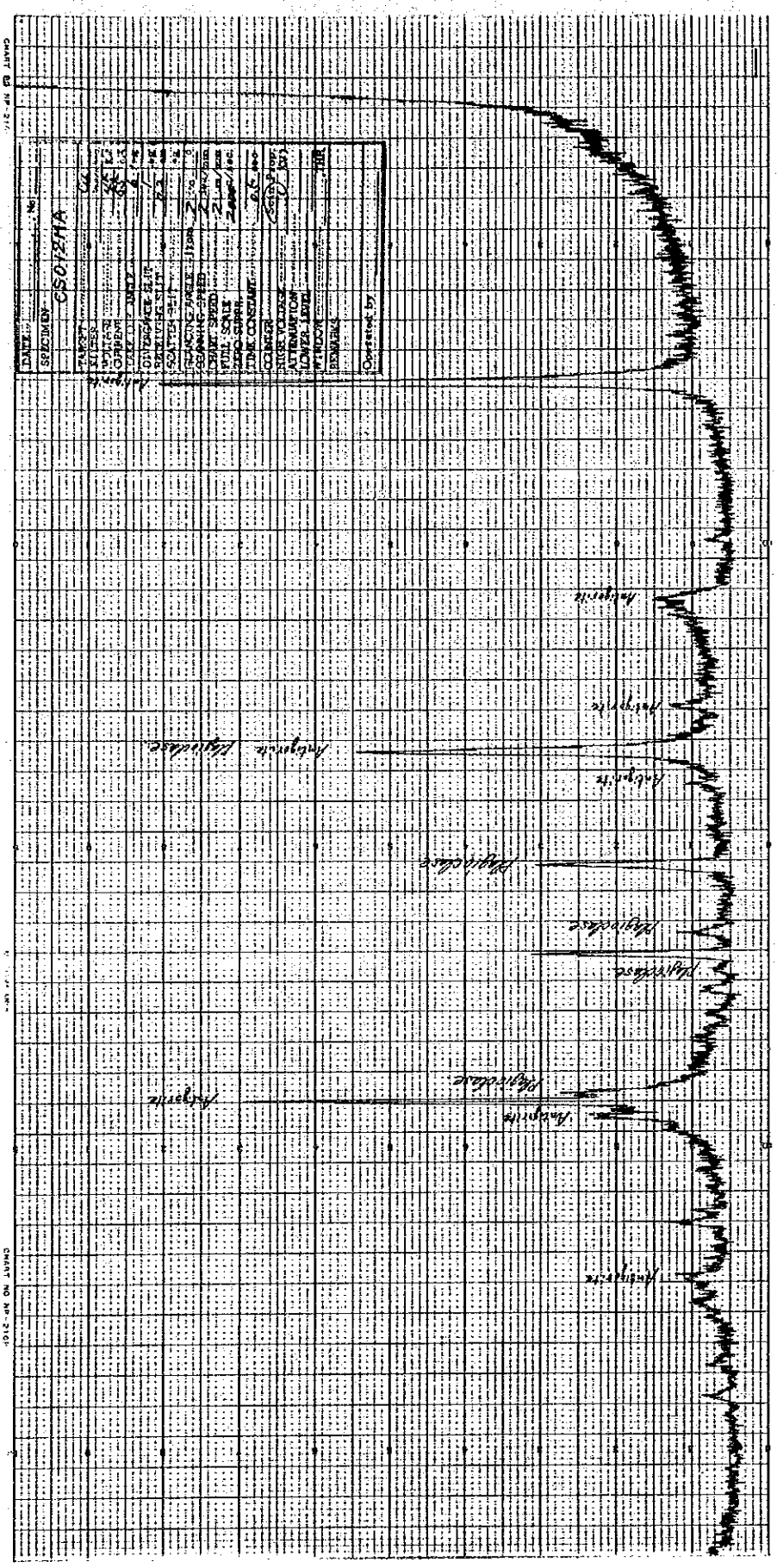
Estimated Mineral / Sample	Stilbite	Chlorite	Sericite	Kaoline	Calcite	Quartz	Plagioclase	Goethite	Talc	Crandallite	Antigorite	Hydrogrossulaire						
CV001R		△		△								◎						
CT017R	●	△				○	◎											
CS045Ma			●?								◎							
CS012Ma							○				◎							
CS021Ma						△		○	●									
CS022Ma						△		○	△									
CS023Ma						○		●			○							
CS024Ma			●?			◎					○							
CT01S12					◎													
CT02S12																		
										◎								

◎ Abundant ○ Medium △ Small ● Rare






CS043MA
Hematite ?
Hematite ?
Hematite ?
Hematite ?
Hematite ?
Hematite ?
Hematite ?


DATE
SPECIMEN
CSO12HA
Operator by
Anhydrite
Anhydrite
Anhydrite
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Anhydrite
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