

5. 火山灰分析データシート

5.1. 屈折率測定結果

5.1.1. 火山ガラス

5.1.2. 斜方輝石

5.1.3. 角閃石

5.2. 主成分分析結果

5.1.屈折率測定結果

5.1.1.火山ガラス

5.1.2.斜方輝石

5.1.3.角閃石

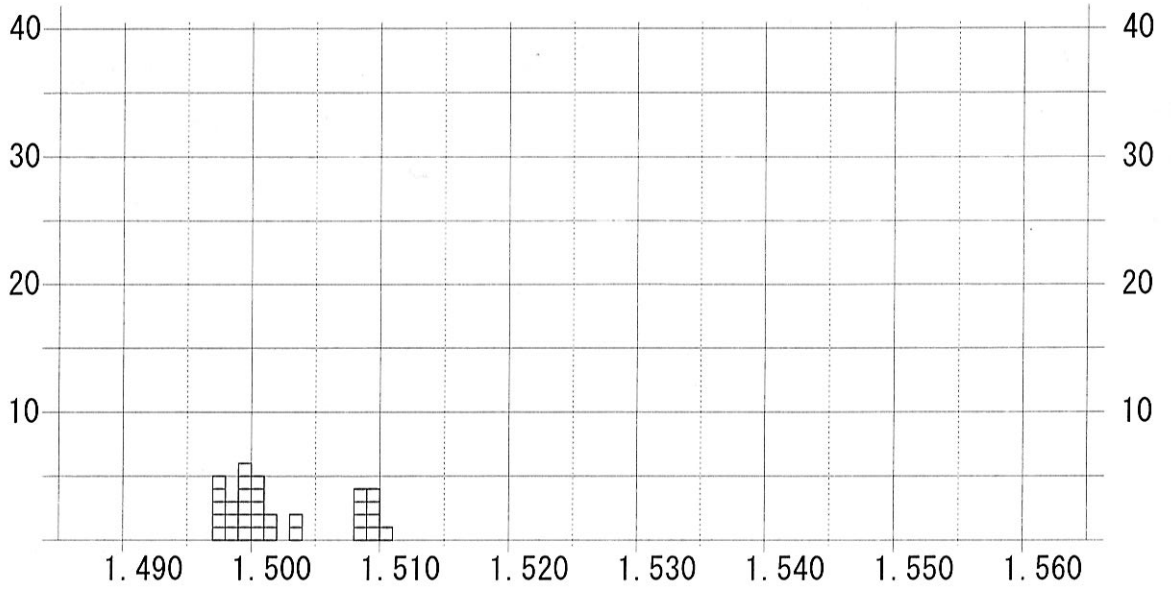
5.1.1.火山ガラス

KA-2

SAMPLE NAME : ***** REFRACTIVE INDEX *****
 Ka2-20

GLASS

NUMBER



MEAN 1.5023 MIN 1.4973 MAX 1.5101 RANGE 0.0128 COUNT 32

DATA LIST

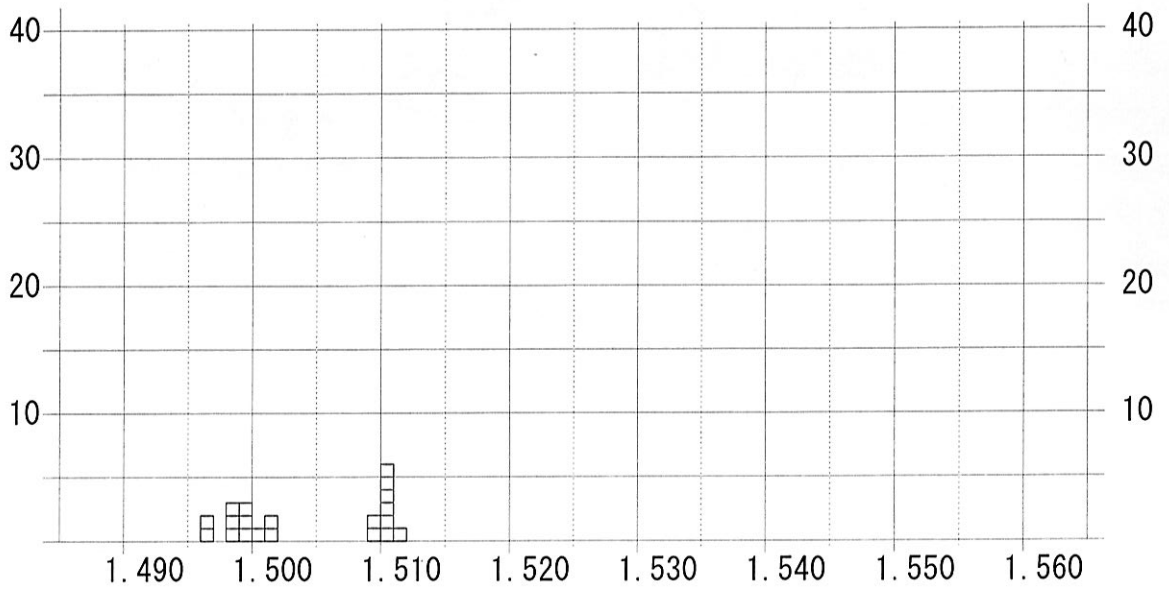
1.5033	1.5037	1.4997	1.4991	1.5000	1.4991	1.4985	1.4985
1.5007	1.5018	1.4994	1.5002	1.5016	1.5003	1.4998	1.4980
1.4976	1.4974	1.4973	1.4976	1.4989	1.4993	1.5004	1.5089
1.5095	1.5091	1.5089	1.5086	1.5085	1.5093	1.5092	1.5101

1.5031의 평균

***** REFRACTIVE INDEX *****
 SAMPLE NAME : Ka2-25

GLASS

NUMBER



MEAN 1.5041 MIN 1.4967 MAX 1.5112 RANGE 0.0145 COUNT 20

DATA LIST

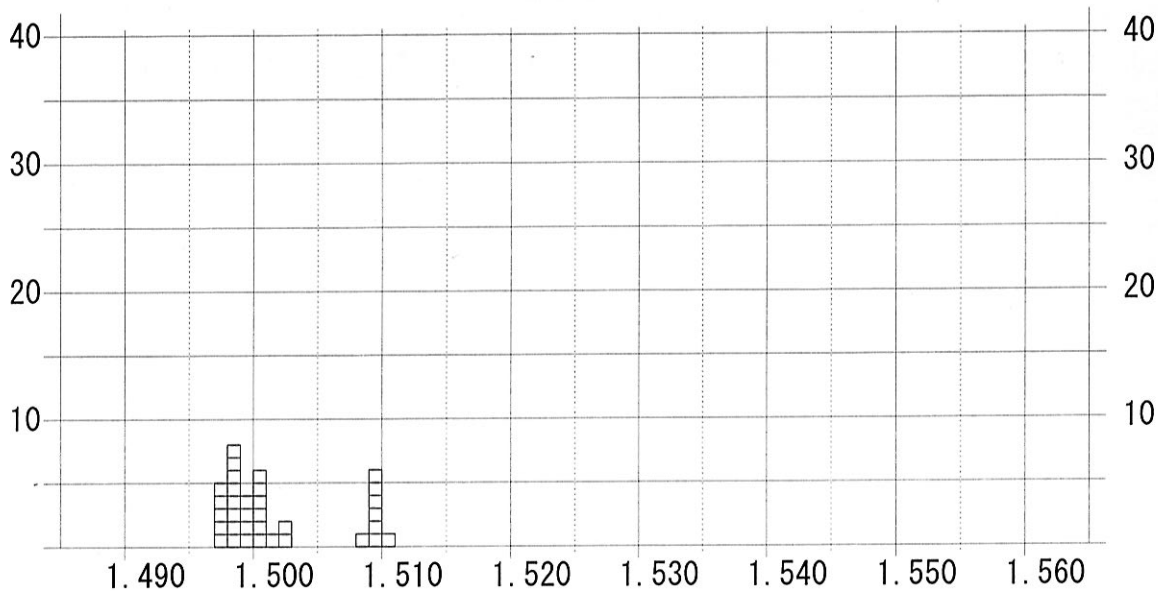
1.4967	1.4993	1.5003	1.4970	1.4991	1.4984	1.4981	1.5010
1.4991	1.4988	1.5107	1.5106	1.5095	1.5098	1.5100	1.5101
1.5101	1.5104	1.5112	1.5016				

1.4967 1.499
 1.5010 1.502 (1.501)

***** REFRACTIVE INDEX *****
 SAMPLE NAME : Ka2-3.5

GLASS

NUMBER



MEAN 1.5017 MIN 1.4973 MAX 1.5100 RANGE 0.0128 COUNT 34

DATA LIST

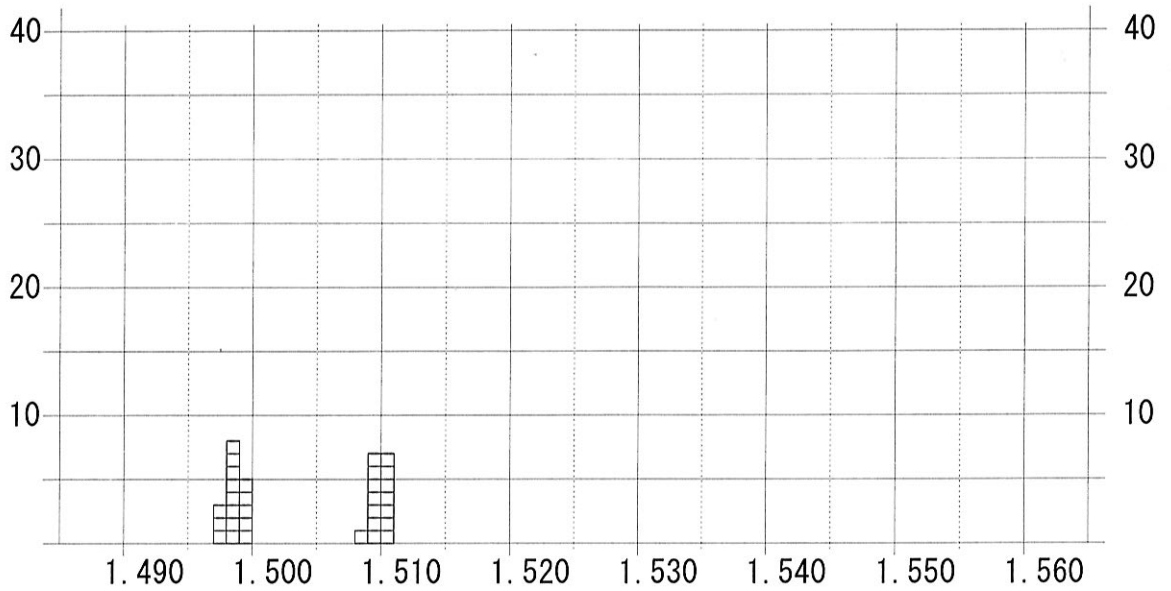
1.4982	1.5001	1.4991	1.4993	1.5010	1.5008	1.4997	1.4975
1.4974	1.4973	1.4976	1.4985	1.4981	1.4980	1.5000	1.5020
1.5007	1.4999	1.4990	1.4989	1.4984	1.4981	1.4979	1.5002
1.5010	1.5027	1.5089	1.5092	1.5094	1.5095	1.5096	1.5097
1.5099	1.5100						

12-20-80-2-1

***** REFRACTIVE INDEX *****
 SAMPLE NAME : Ka2-4.6

GLASS

NUMBER



MEAN 1.5041 MIN 1.4974 MAX 1.5108 RANGE 0.0133 COUNT 31

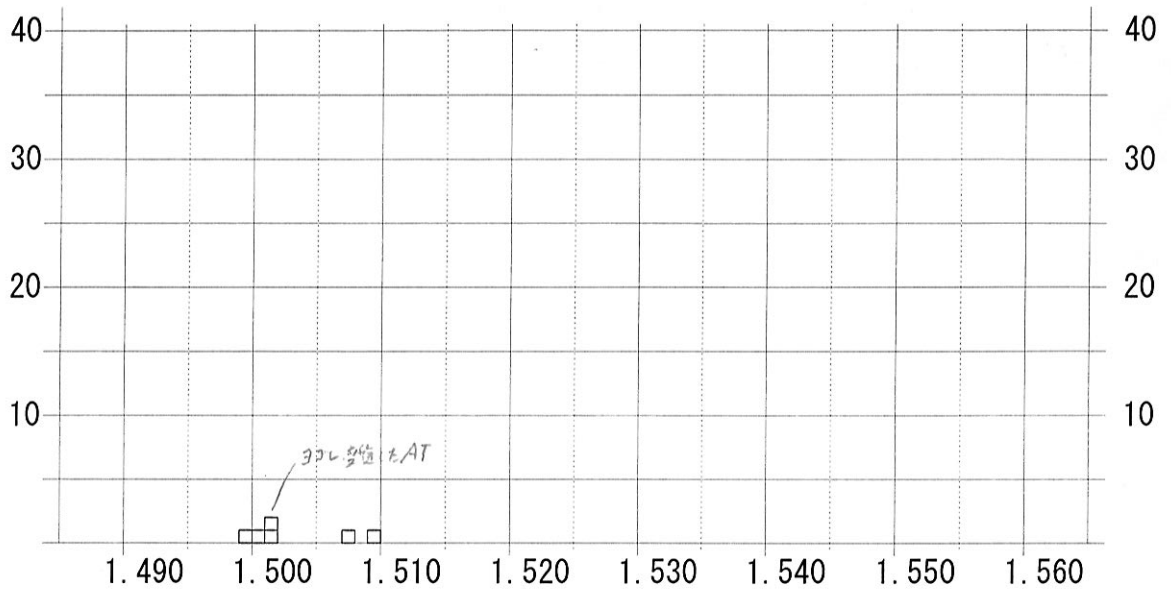
DATA LIST

1.5108	1.5107	1.5107	1.5085	1.5092	1.5092	1.5093	1.5096
1.5097	1.5097	1.5098	1.5101	1.5102	1.5102	1.5101	1.4997
1.4990	1.4988	1.4987	1.4986	1.4983	1.4981	1.4981	1.4980
1.4974	1.4979	1.4981	1.4997	1.4998	1.4999	1.4993	

***** REFRACTIVE INDEX *****
SAMPLE NAME : Ka2-7.5

GLASS

NUMBER



MEAN 1.5034 MIN 1.4991 MAX 1.5098 RANGE 0.0107 COUNT 6

DATA LIST

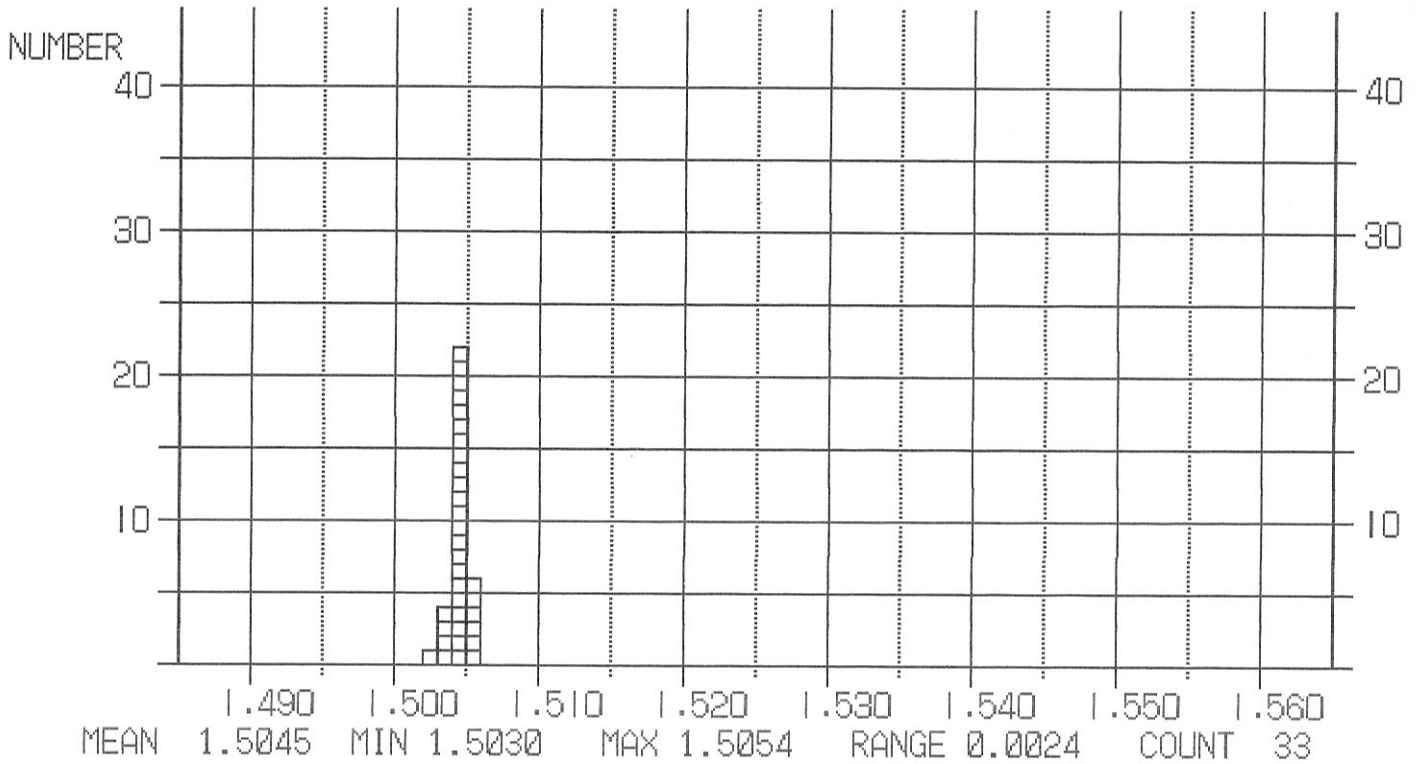
1.5077 1.5015 1.5016 1.5006 1.4991 1.5098

***** REFRACTIVE INDEX *****

Glass

SAMPLE NAME : KA26170G

LOCALITY : Ka-2 61.70m



DATA LIST

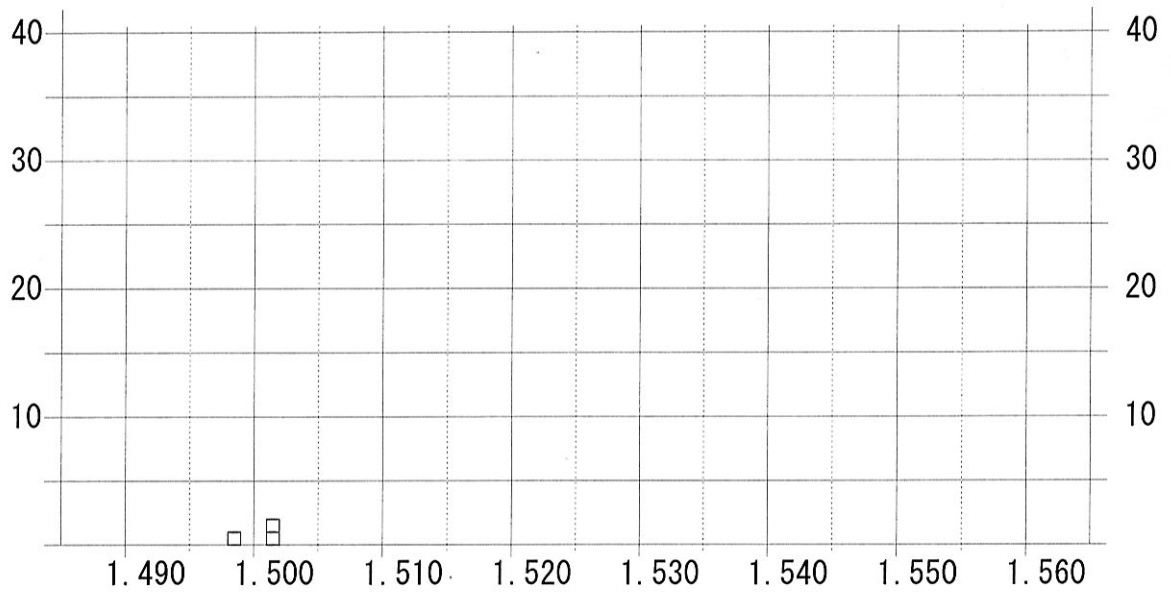
1.5053	1.5053	1.5052	1.5050	1.5049	1.5048	1.5048	1.5048
1.5047	1.5046	1.5046	1.5045	1.5043	1.5043	1.5043	1.5042
1.5039	1.5043	1.5041	1.5037	1.5054	1.5051	1.5049	1.5047
1.5046	1.5046	1.5045	1.5053	1.5045	1.5045	1.5039	1.5032
1.5030							

KA-3

***** REFRACTIVE INDEX *****
SAMPLE NAME : Ka3-1.0

GLASS

NUMBER



MEAN 1.5006 MIN 1.4980 MAX 1.5020 RANGE 0.0040 COUNT 3

DATA LIST

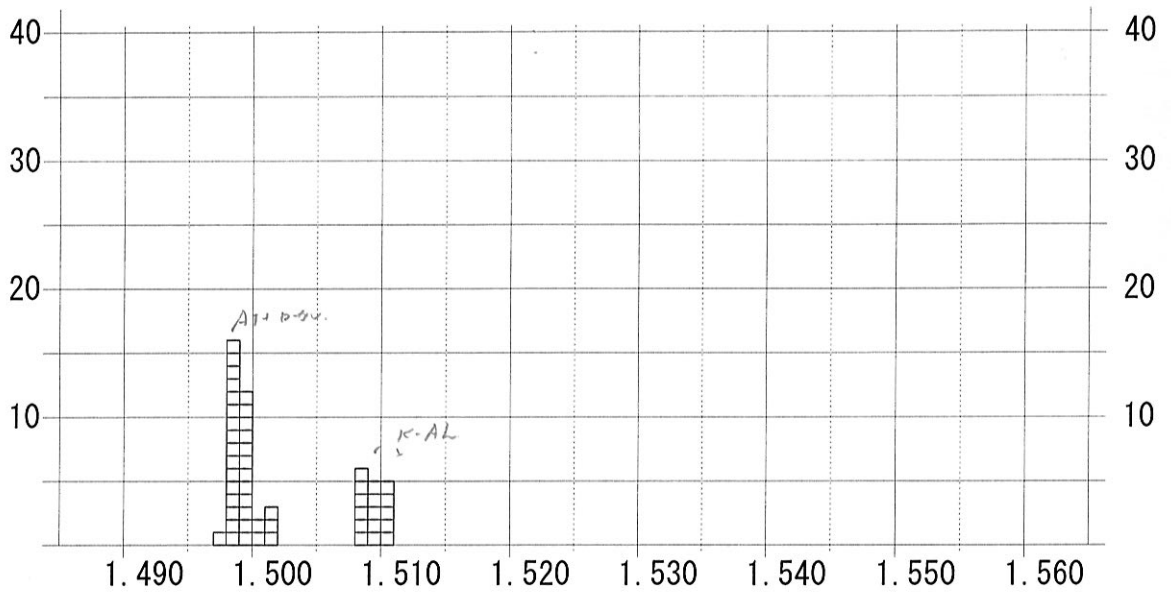
1.4980 1.5018 1.5020

佐々木 glassのみ

***** REFRACTIVE INDEX *****
 SAMPLE NAME : Ka3-2.4

GLASS

NUMBER



MEAN 1.5025 MIN 1.4980 MAX 1.5106 RANGE 0.0126 COUNT 50

DATA LIST

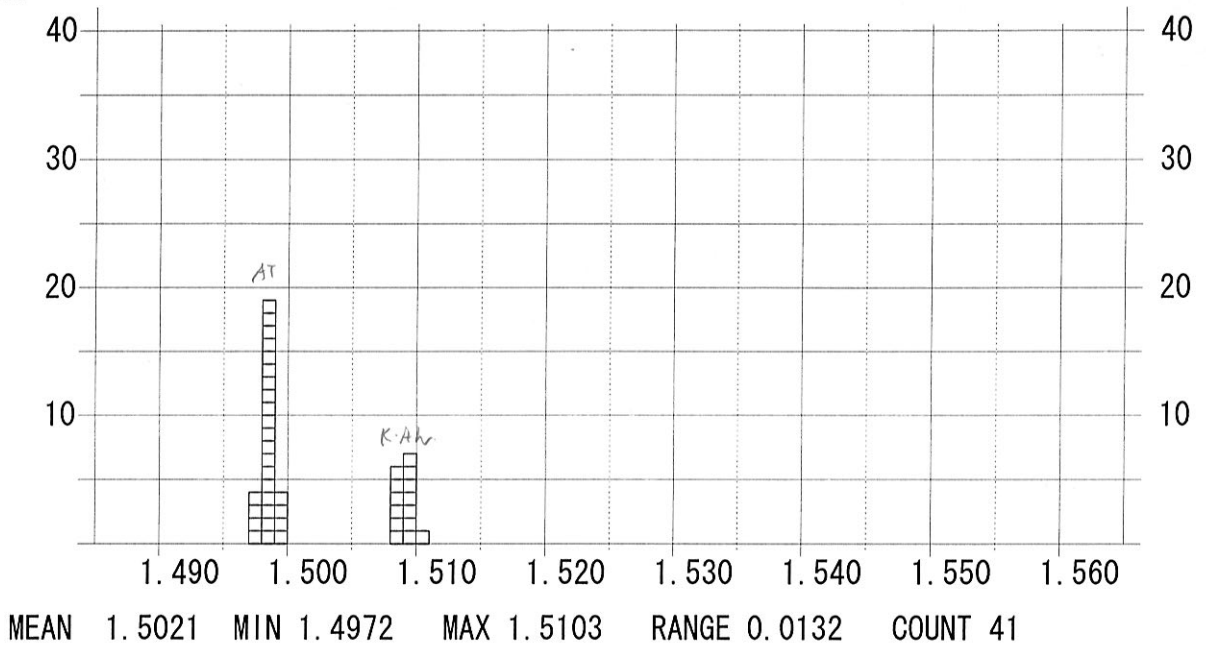
1.5098	1.5098	1.5096	1.4996	1.4998	1.5015	1.5004	1.4999
1.4985	1.4983	1.4980	1.4981	1.4992	1.5011	1.4990	1.4986
1.4991	1.4990	1.4988	1.4984	1.4985	1.4988	1.4990	1.4995
1.4991	1.4980	1.4990	1.4994	1.4995	1.5016	1.5003	1.4995
1.4990	1.4989	1.4988	1.4989	1.4988	1.5086	1.5102	1.5105
1.5105	1.5106	1.5103	1.5094	1.5083	1.5084	1.5086	1.5088
1.5090	1.5091						

K-AL 16/50 32.0%

***** REFRACTIVE INDEX *****
 SAMPLE NAME : Ka3-3.4

GLASS

NUMBER



DATA LIST

1.5098	1.5098	1.5098	1.5096	1.5091	1.5088	1.5086	1.5088
1.5092	1.4985	1.4977	1.4972	1.4992	1.4991	1.4987	1.4982
1.4984	1.4995	1.4988	1.4985	1.4984	1.4981	1.4981	1.4987
1.4988	1.4975	1.4974	1.4982	1.4985	1.4987	1.4988	1.4985
1.4990	1.4984	1.4985	1.4993	1.5081	1.5085	1.5089	1.5098
1.5103							

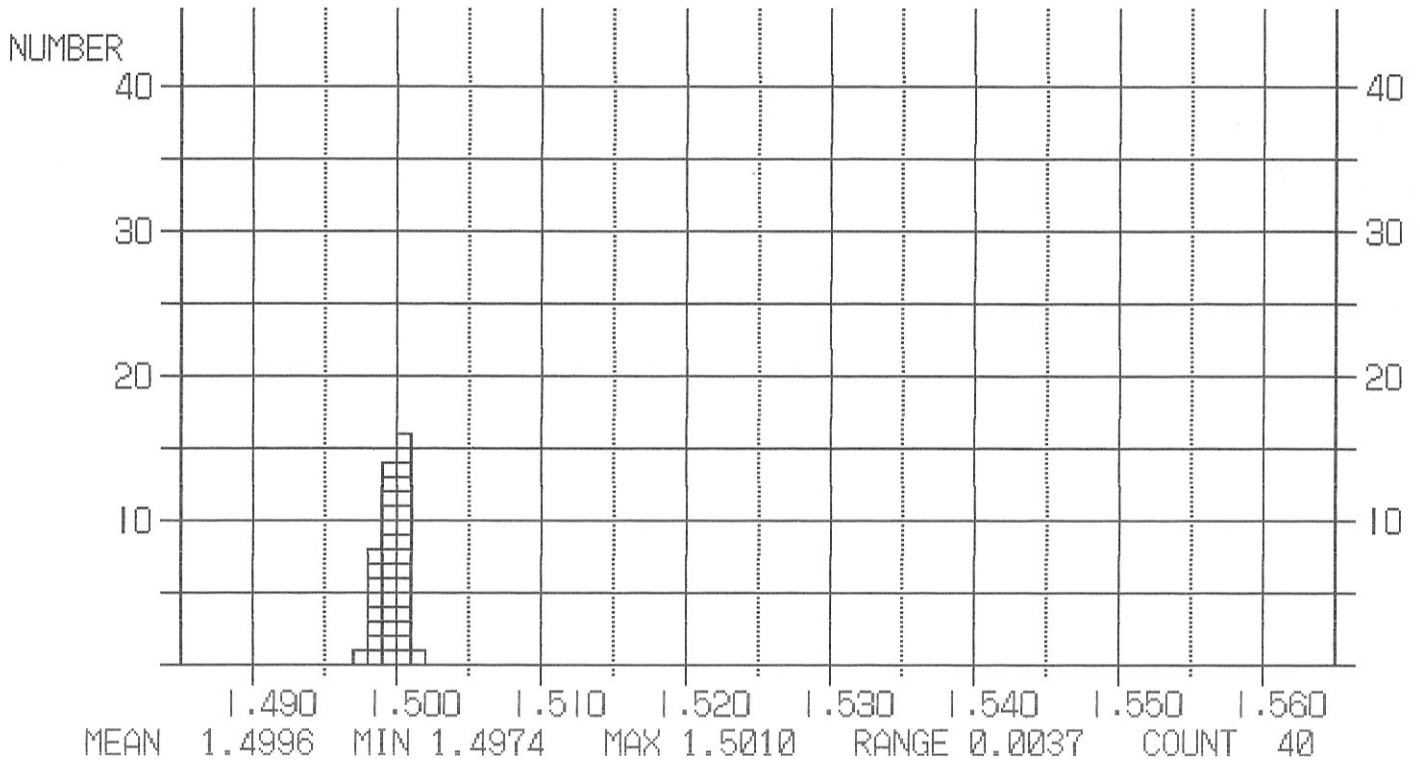
K-AL 14/41 34%

***** REFRACTIVE INDEX *****

Glass

SAMPLE NAME : KA3842G

LOCALITY : KA-3 8.42m

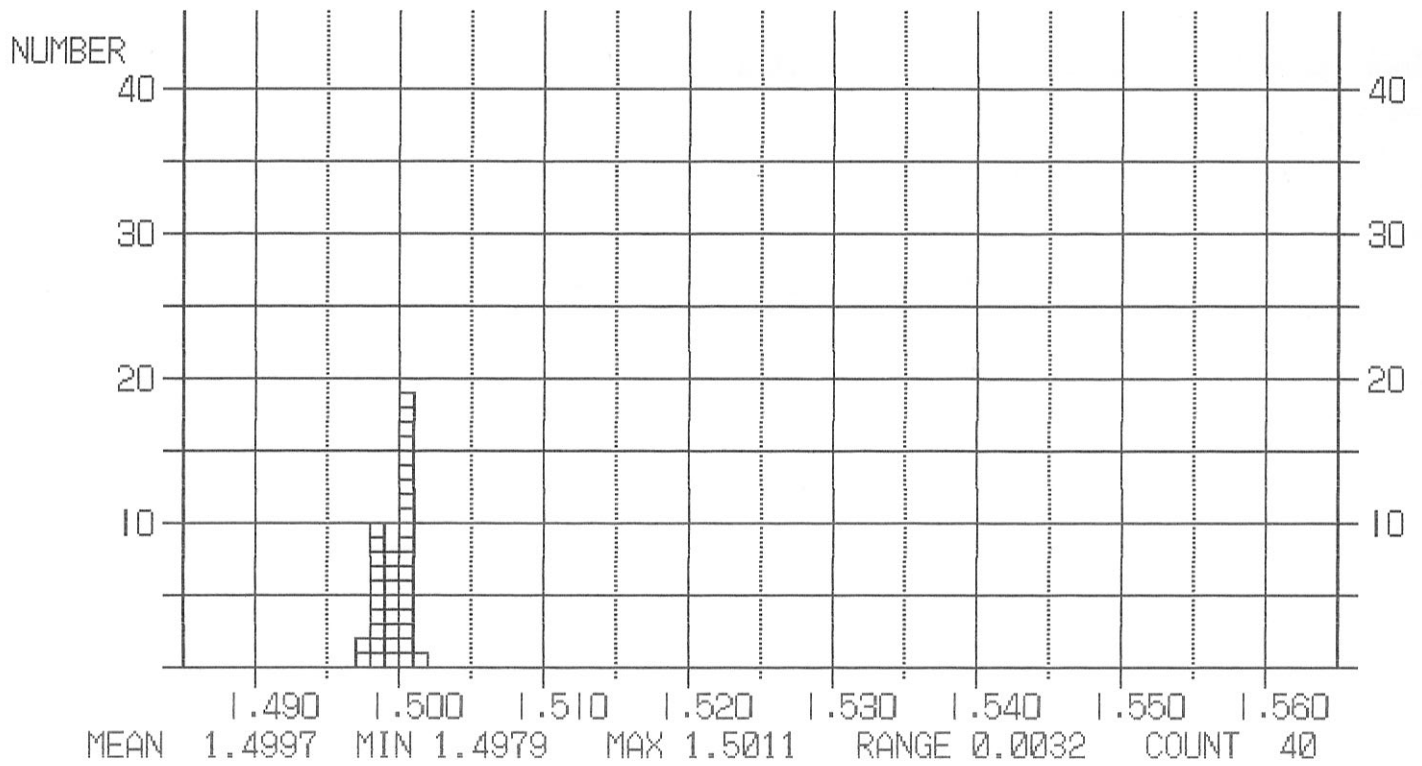


DATA LIST

1.5005	1.4999	1.4998	1.4998	1.4995	1.4994	1.4992	1.4991
1.4990	1.4984	1.4983	1.4982	1.4986	1.4994	1.4996	1.5000
1.5004	1.5005	1.5008	1.5007	1.5005	1.5004	1.5003	1.5001
1.4993	1.4992	1.5004	1.5010	1.5009	1.5008	1.5006	1.5004
1.5002	1.4999	1.4998	1.4988	1.4981	1.4980	1.4974	1.4986

***** REFRACTIVE INDEX *****
 SAMPLE NAME : KA3846G LOCALITY : KA-3 8.46m

Glass



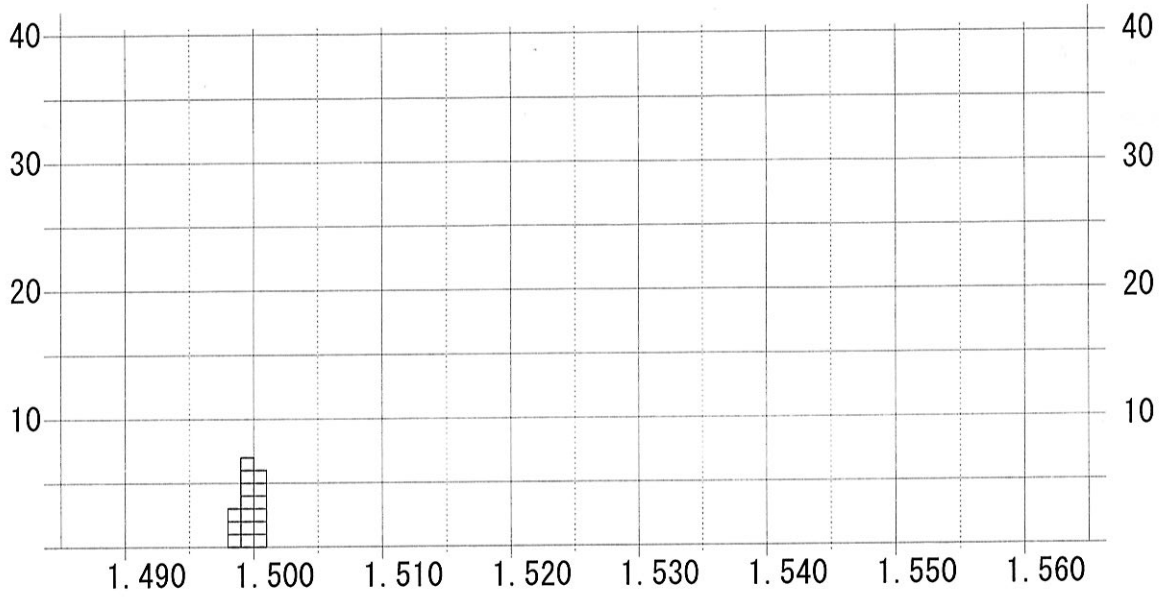
DATA LIST

1.5002	1.5001	1.4999	1.4997	1.4996	1.4999	1.5001	1.5003
1.4997	1.4994	1.4991	1.4990	1.4986	1.4984	1.4979	1.4984
1.4986	1.4980	1.4979	1.4981	1.5004	1.5005	1.5007	1.5004
1.5004	1.5004	1.5003	1.5004	1.5004	1.5011	1.5009	1.5006
1.5005	1.5010	1.5007	1.5002	1.4991	1.4989	1.4985	1.4981

***** REFRACTIVE INDEX *****
SAMPLE NAME : Ka-3-218

GLASS

NUMBER



MEAN 1.4996 MIN 1.4980 MAX 1.5006 RANGE 0.0026 COUNT 16

DATA LIST

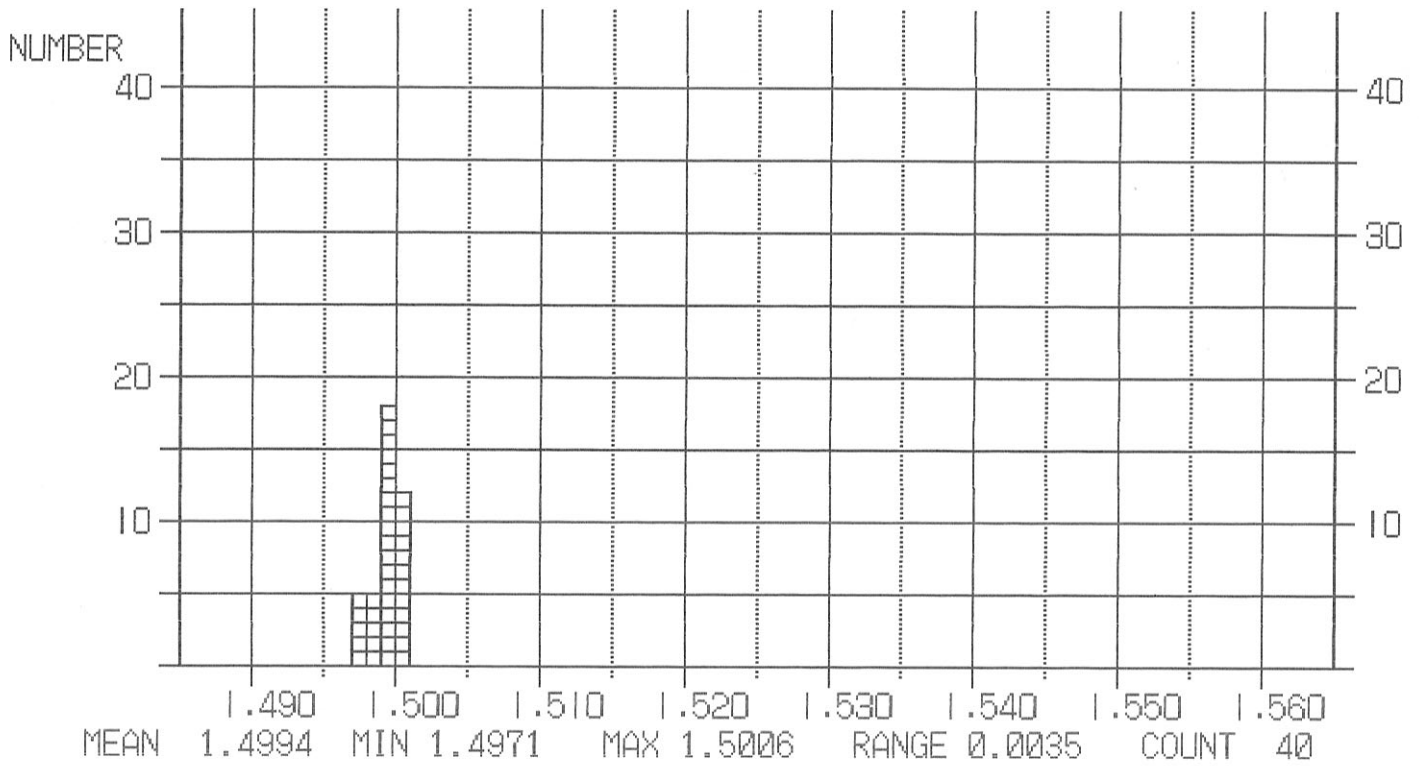
1.4980	1.5000	1.4991	1.4985	1.4988	1.5006	1.5000	1.5000
1.4994	1.5000	1.4992	1.4999	1.5003	1.4997	1.5002	1.5004

***** REFRACTIVE INDEX *****

Glass

SAMPLE NAME : KA3325G

LOCALITY : KA-3 32.5m



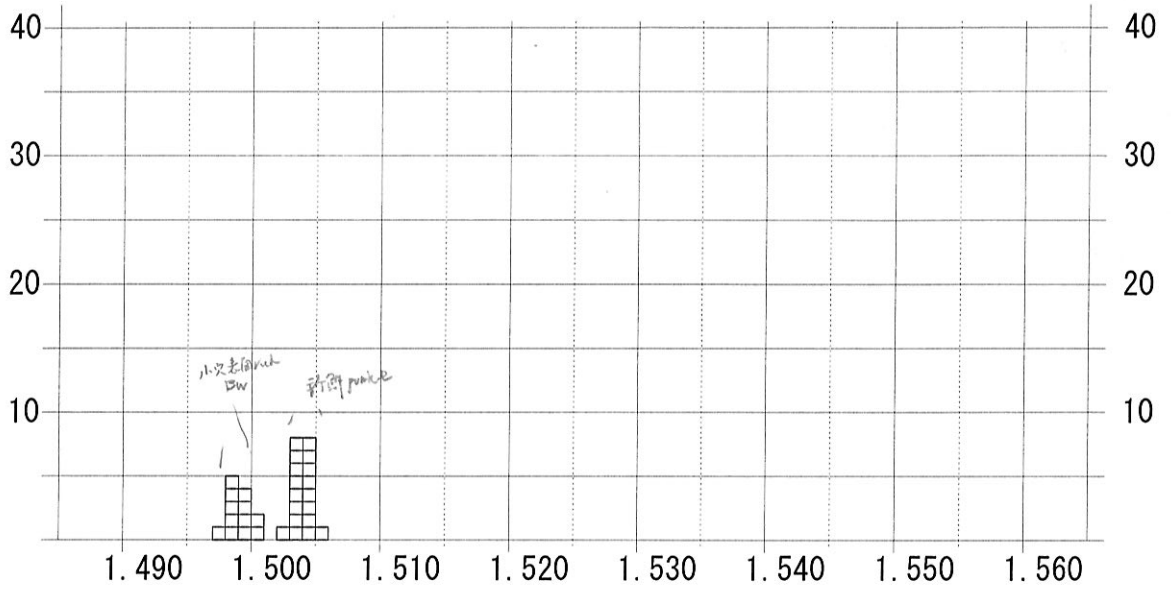
DATA LIST

1.5006	1.5002	1.5001	1.5000	1.4998	1.4997	1.4996	1.4995
1.4994	1.4993	1.4992	1.4992	1.4987	1.4985	1.4977	1.4976
1.4971	1.4978	1.4987	1.4987	1.4996	1.5001	1.5002	1.5003
1.5003	1.5003	1.5002	1.5002	1.5000	1.4996	1.4995	1.4993
1.4993	1.4993	1.4990	1.4976	1.4986	1.4995	1.5000	1.5003

***** REFRACTIVE INDEX *****
 SAMPLE NAME : Ka3-92.5

GLASS

NUMBER



MEAN 1.5021 MIN 1.4976 MAX 1.5051 RANGE 0.0075 COUNT 30

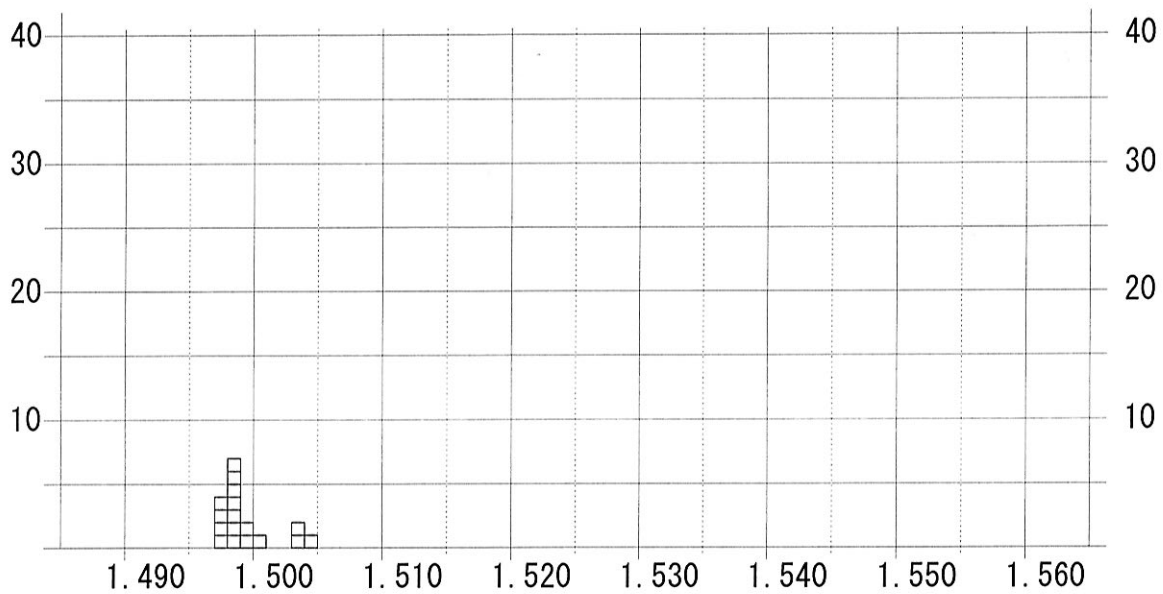
DATA LIST

1.5038	1.5038	1.5043	1.5049	1.5040	1.5033	1.5033	1.5032
1.5038	1.5051	1.5042	1.5046	1.5047	1.5040	1.4993	1.4997
1.5002	1.4987	1.4985	1.4981	1.4976	1.4993	1.4996	1.4988
1.4987	1.5043	1.5041	1.5048	1.5028	1.5007		

***** REFRACTIVE INDEX *****
SAMPLE NAME : Ka3-93.0

GLASS

NUMBER



MEAN 1.4995 MIN 1.4977 MAX 1.5049 RANGE 0.0072 COUNT 17

DATA LIST

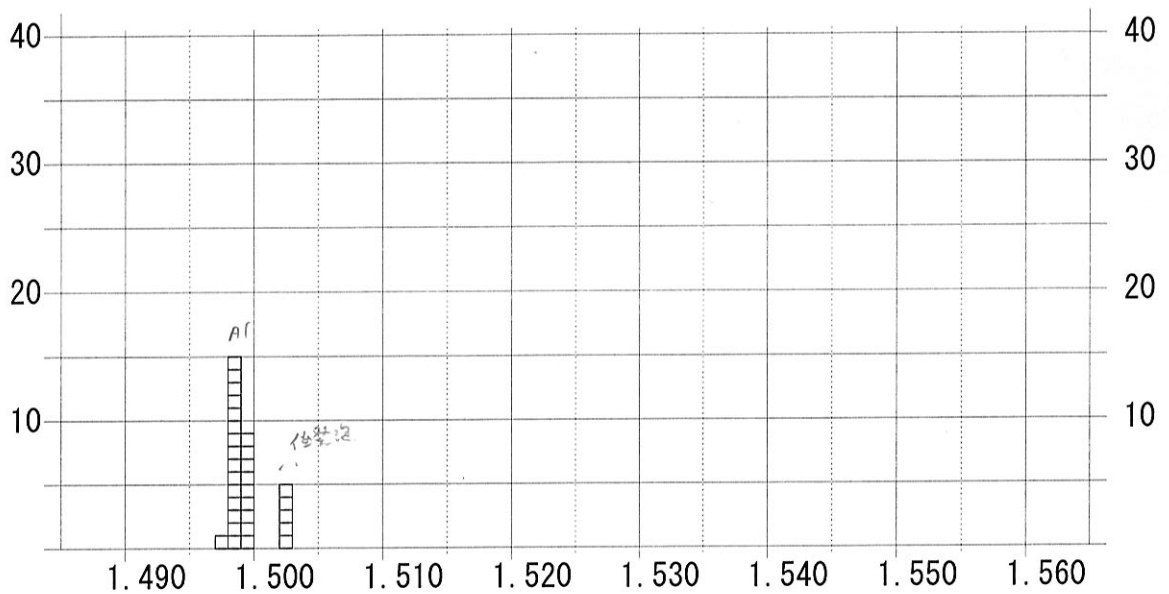
1.4984 1.5002 1.5033 1.5049 1.4983 1.4981 1.4979 1.4978
1.4977 1.4987 1.4995 1.4988 1.4985 1.4981 1.4980 1.4998
1.5034

KA-4

***** REFRACTIVE INDEX *****
 SAMPLE NAME : KA-4-1.6-glass

GLASS

NUMBER



MEAN 1.4994 MIN 1.4980 MAX 1.5026 RANGE 0.0046 COUNT 30

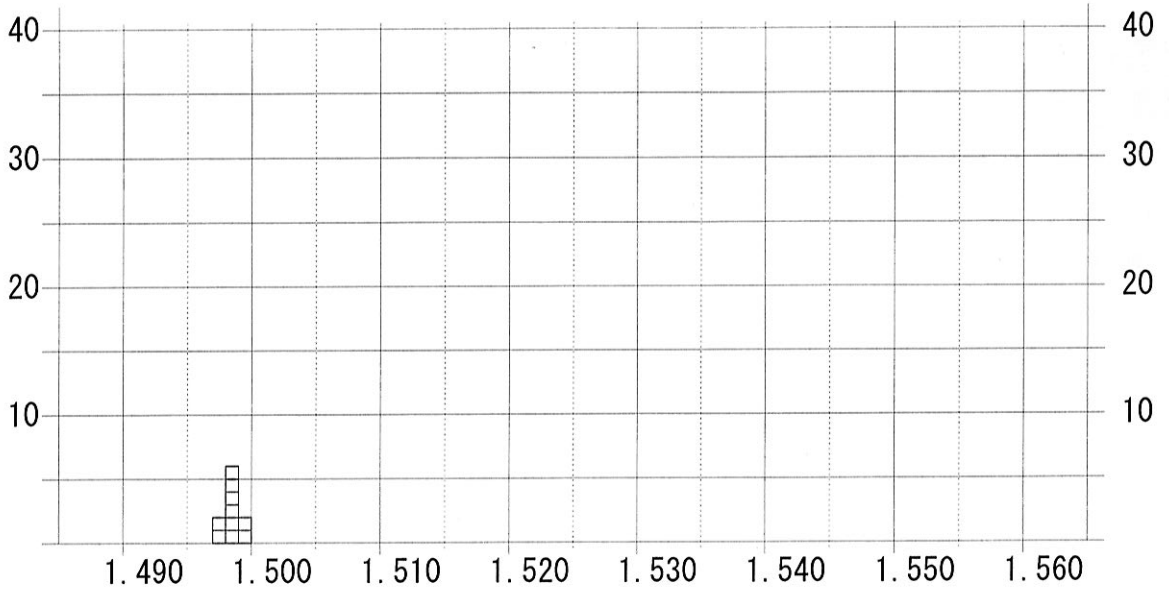
DATA LIST

1.4991	1.4990	1.4989	1.4987	1.4988	1.4991	1.4991	1.4990
1.4989	1.4987	1.4987	1.4986	1.4983	1.4990	1.4994	1.4994
1.4994	1.4987	1.4986	1.4984	1.4982	1.4981	1.4980	1.4980
1.4990	1.5021	1.5022	1.5022	1.5024	1.5026		

***** REFRACTIVE INDEX *****
SAMPLE NAME : KA-4-29-glass-
2.7

GLASS

NUMBER



MEAN 1.4985 MIN 1.4973 MAX 1.4995 RANGE 0.0022 COUNT 10

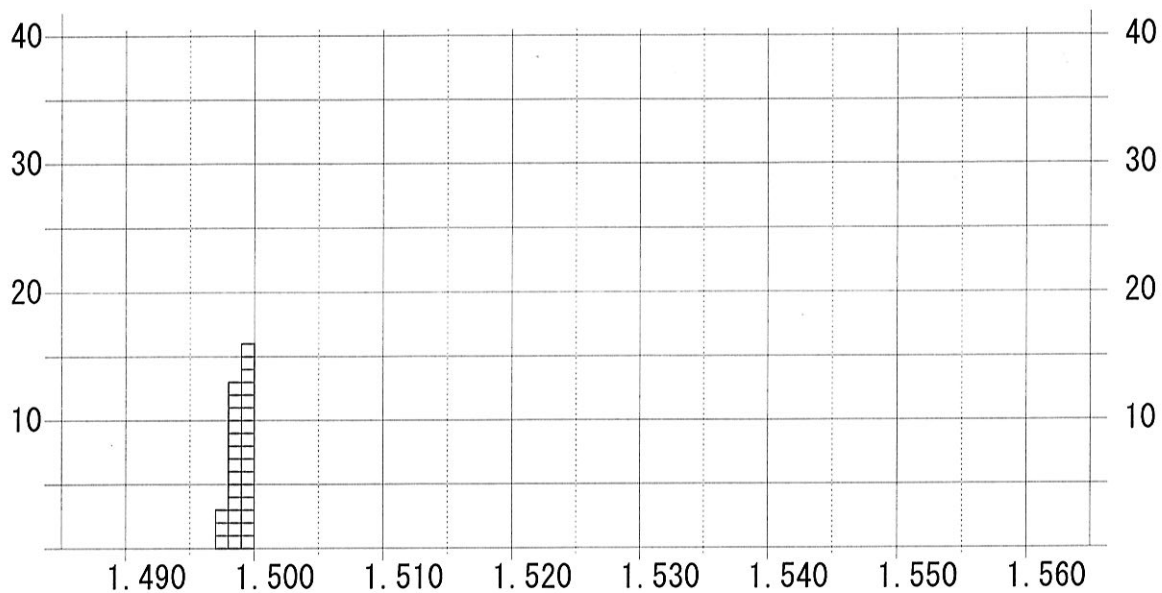
DATA LIST

1.4989 1.4995 1.4991 1.4988 1.4973 1.4973 1.4986 1.4987
1.4985 1.4981

SAMPLE NAME : ***** REFRACTIVE INDEX *****
KA-4-40-glass

GLASS

NUMBER



MEAN 1.4988 MIN 1.4973 MAX 1.4996 RANGE 0.0022 COUNT 32

DATA LIST

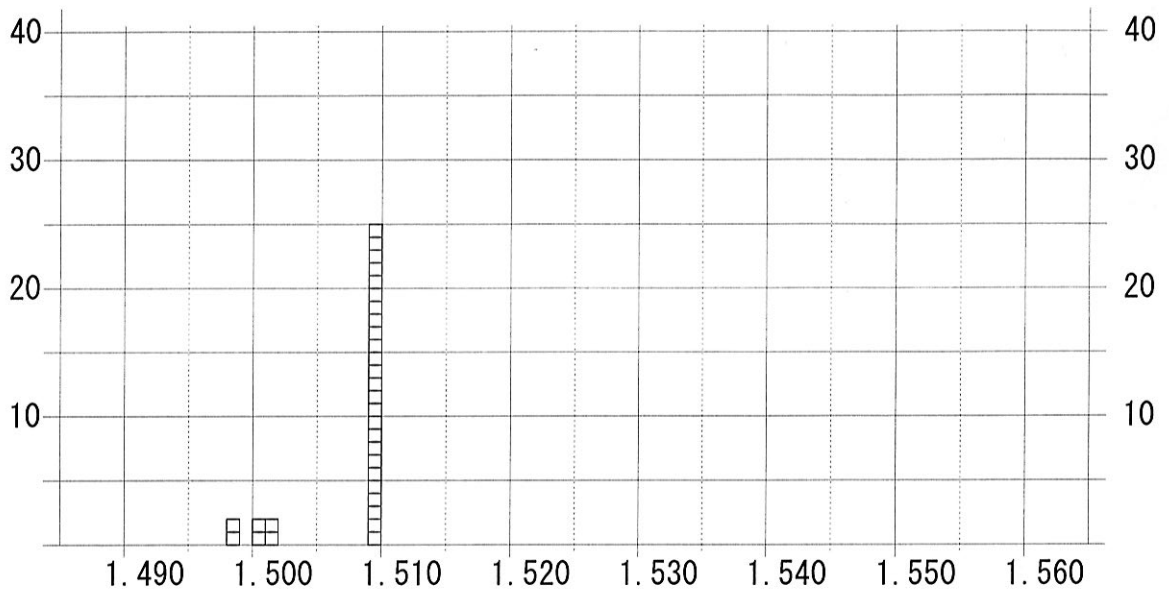
1.4973	1.4976	1.4977	1.4980	1.4981	1.4981	1.4982	1.4983
1.4983	1.4985	1.4986	1.4987	1.4988	1.4989	1.4989	1.4990
1.4990	1.4990	1.4991	1.4991	1.4991	1.4991	1.4992	1.4993
1.4993	1.4994	1.4994	1.4994	1.4995	1.4995	1.4995	1.4996

KA-5

***** REFRACTIVE INDEX *****
 SAMPLE NAME : KA-5-0.8-glass

GLASS

NUMBER



MEAN 1.5076 MIN 1.4983 MAX 1.5098 RANGE 0.0114 COUNT 31

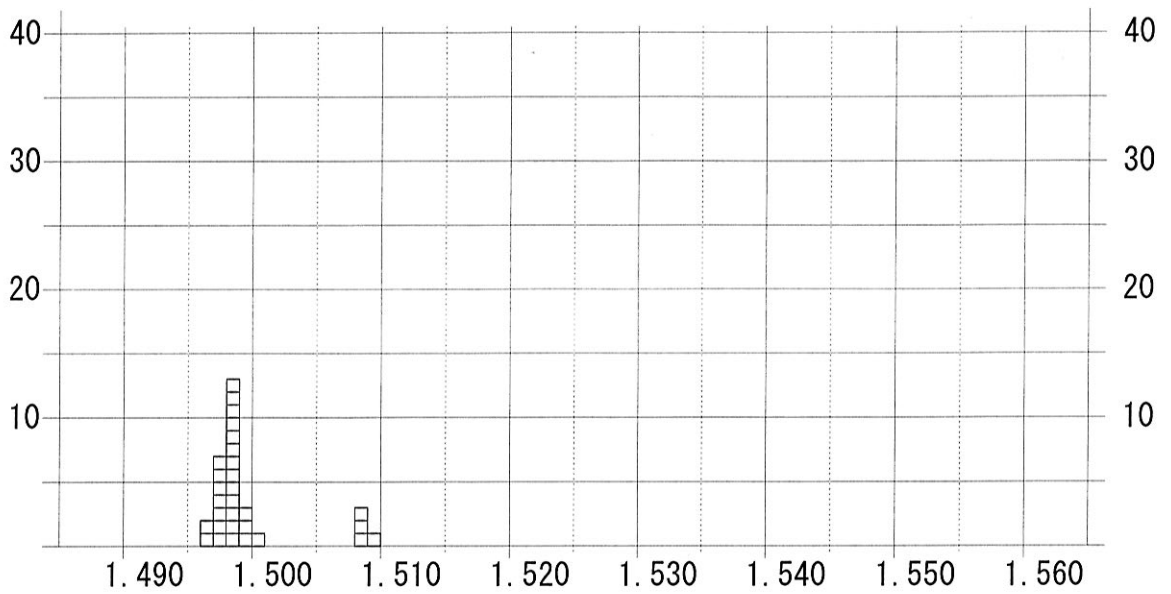
DATA LIST

1.5093	1.5093	1.5093	1.5093	1.5094	1.5094	1.5094	1.5094
1.5094	1.5094	1.5095	1.5096	1.5097	1.5098	1.5098	1.5095
1.5093	1.5093	1.5091	1.5091	1.5091	1.5091	1.5092	1.5092
1.5093	1.5018	1.5009	1.5008	1.4983	1.4987	1.5014	

***** REFRACTIVE INDEX *****
 SAMPLE NAME : KA-5-2,0-glass

GLASS

NUMBER



MEAN 1.4997 MIN 1.4969 MAX 1.5093 RANGE 0.0124 COUNT 30

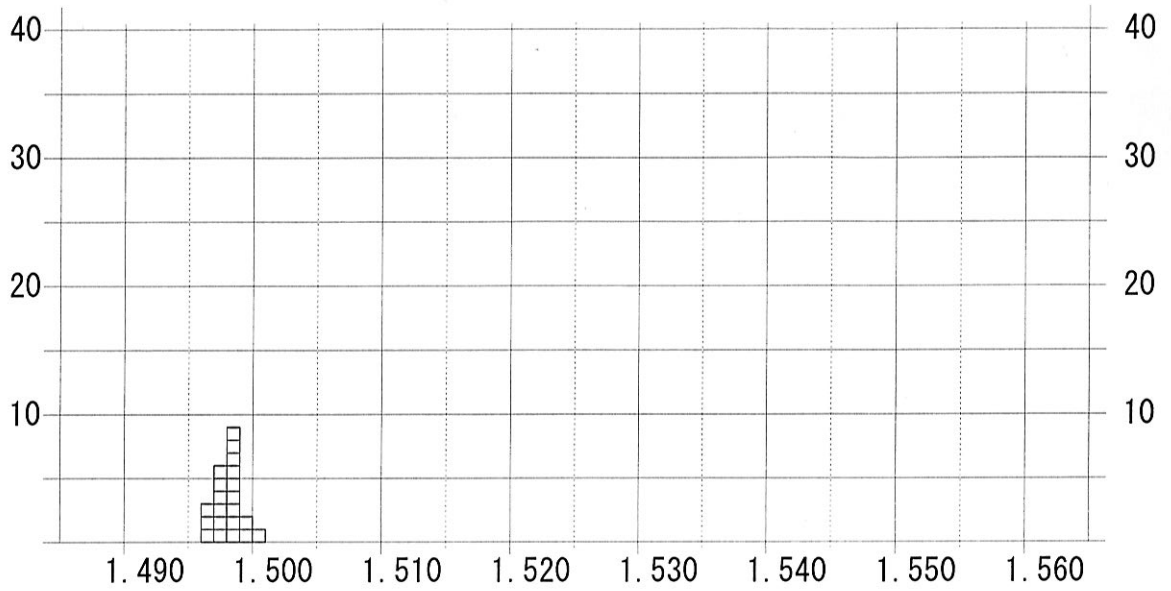
DATA LIST

1.5089	1.5087	1.5085	1.5093	1.5005	1.4982	1.4979	1.4989
1.4987	1.4983	1.4980	1.4971	1.4984	1.4998	1.4993	1.4986
1.4981	1.4979	1.4976	1.4992	1.4989	1.4988	1.4987	1.4985
1.4984	1.4981	1.4972	1.4972	1.4970	1.4969		

***** REFRACTIVE INDEX *****
SAMPLE NAME : KA-5-3.9-glass

GLASS

NUMBER



MEAN 1.4981 MIN 1.4966 MAX 1.5006 RANGE 0.0040 COUNT 21

DATA LIST

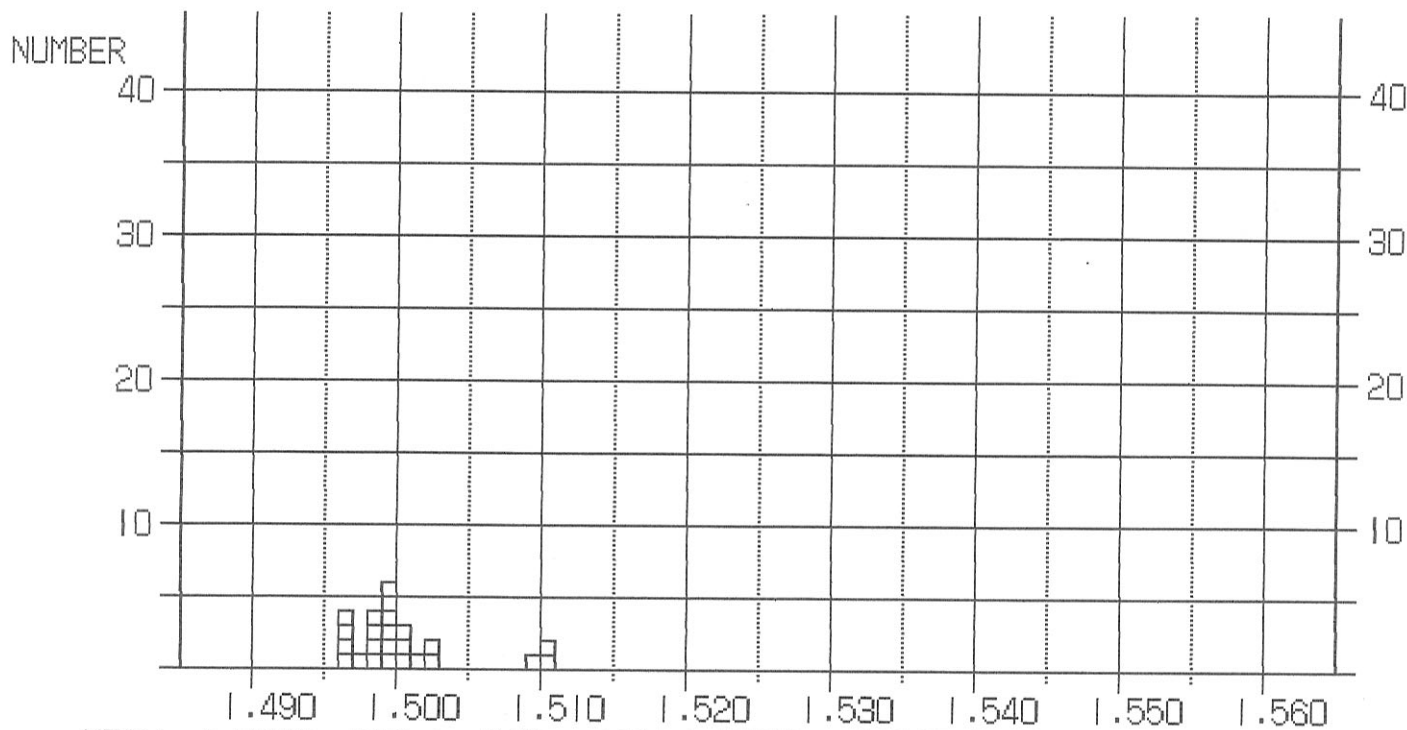
1.4995	1.4969	1.4973	1.4991	1.4984	1.4980	1.4976	1.4980
1.4979	1.4980	1.4981	1.4984	1.4984	1.4979	1.4966	1.4969
1.4971	1.4979	1.4980	1.4984	1.5006			

P1

***** REFRACTIVE INDEX *****

SAMPLE NAME : P103G

LOCALITY : P1 0.3m



MEAN 1.5006 MIN 1.4963 MAX 1.5107 RANGE 0.0145 COUNT 24

DATA LIST

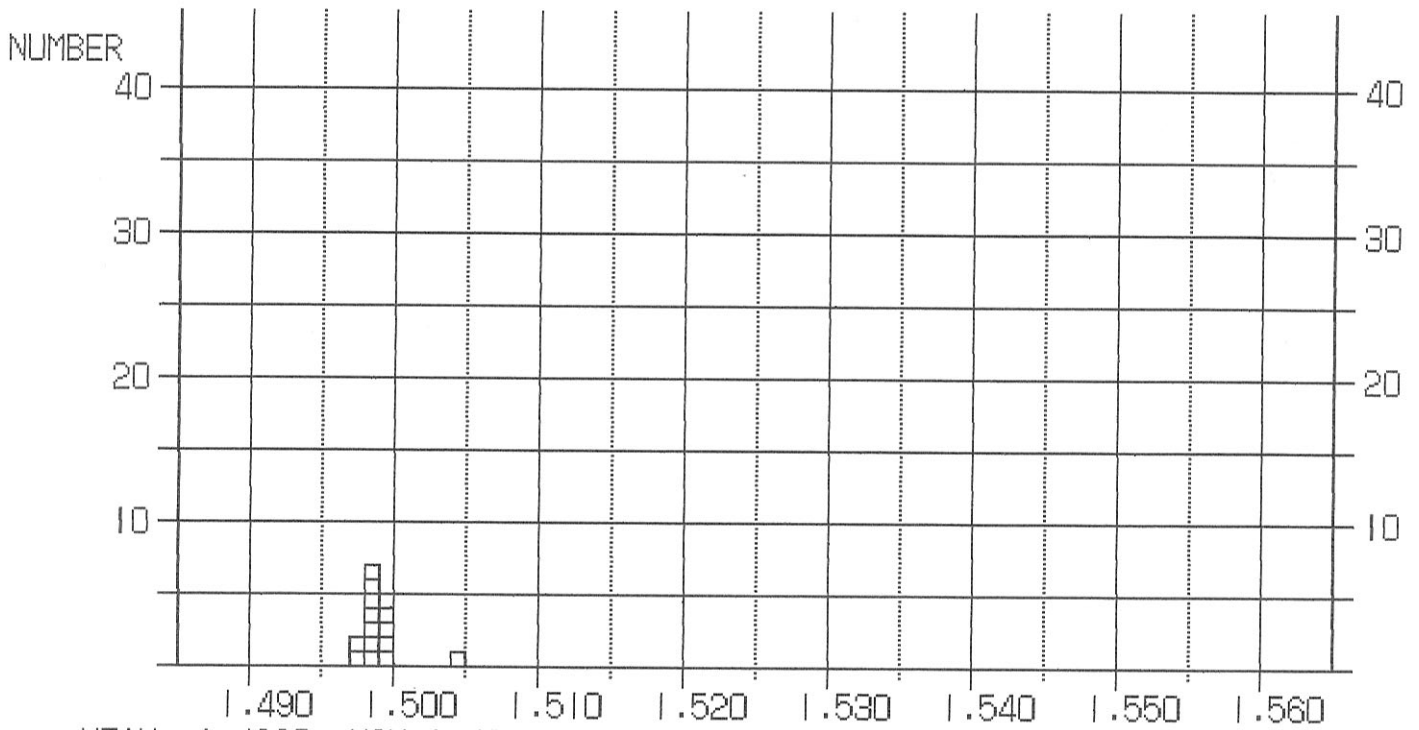
1.5104	1.4997	1.4994	1.4998	1.5007	1.5002	1.4990	1.4988
1.5107	1.5002	1.4994	1.4988	1.4998	1.4967	1.4963	1.4979
1.4987	1.4995	1.5021	1.5014	1.5027	1.4968	1.4963	1.5091
		<i>0.10</i>	<i>0.10</i>	<i>0.10</i>			

***** REFRACTIVE INDEX *****

Glass

SAMPLE NAME : P110G

LOCALITY : P1 1.0m



MEAN 1.4990 MIN 1.4970 MAX 1.5041 RANGE 0.0070 COUNT 14

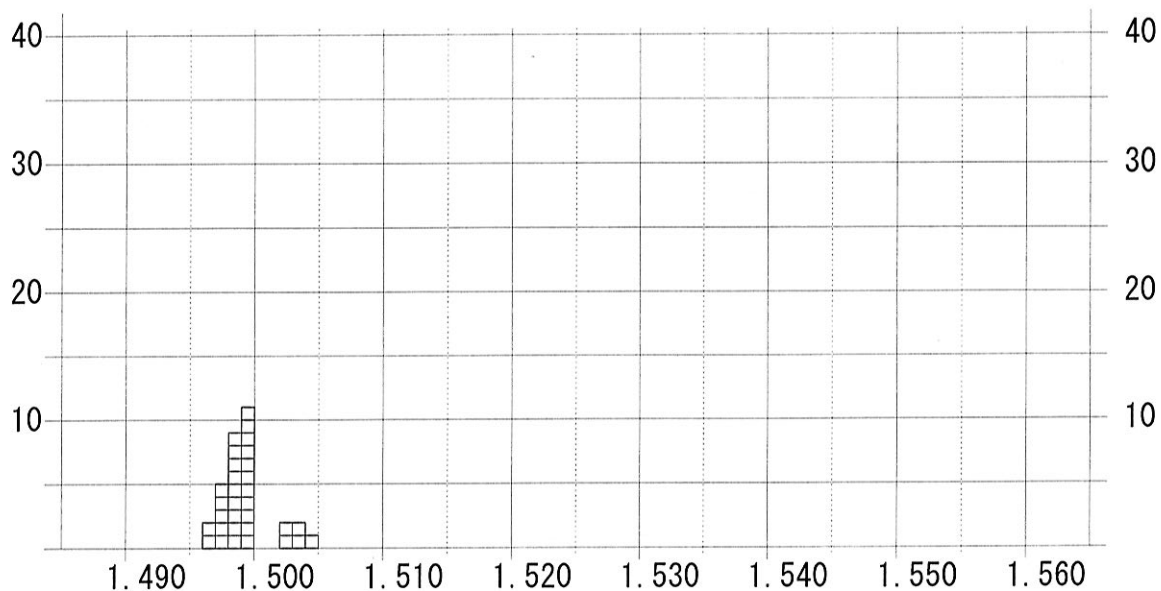
DATA LIST

1.4994	1.4994	1.5041	1.4988	1.4976	1.4981	1.4981	1.4993
1.4981	1.4986	1.4981	1.4970	1.4987	1.5000		

***** REFRACTIVE INDEX *****
 SAMPLE NAME : P1-1.1

GLASS

NUMBER



MEAN 1.4993 MIN 1.4969 MAX 1.5042 RANGE 0.0073 COUNT 32

DATA LIST

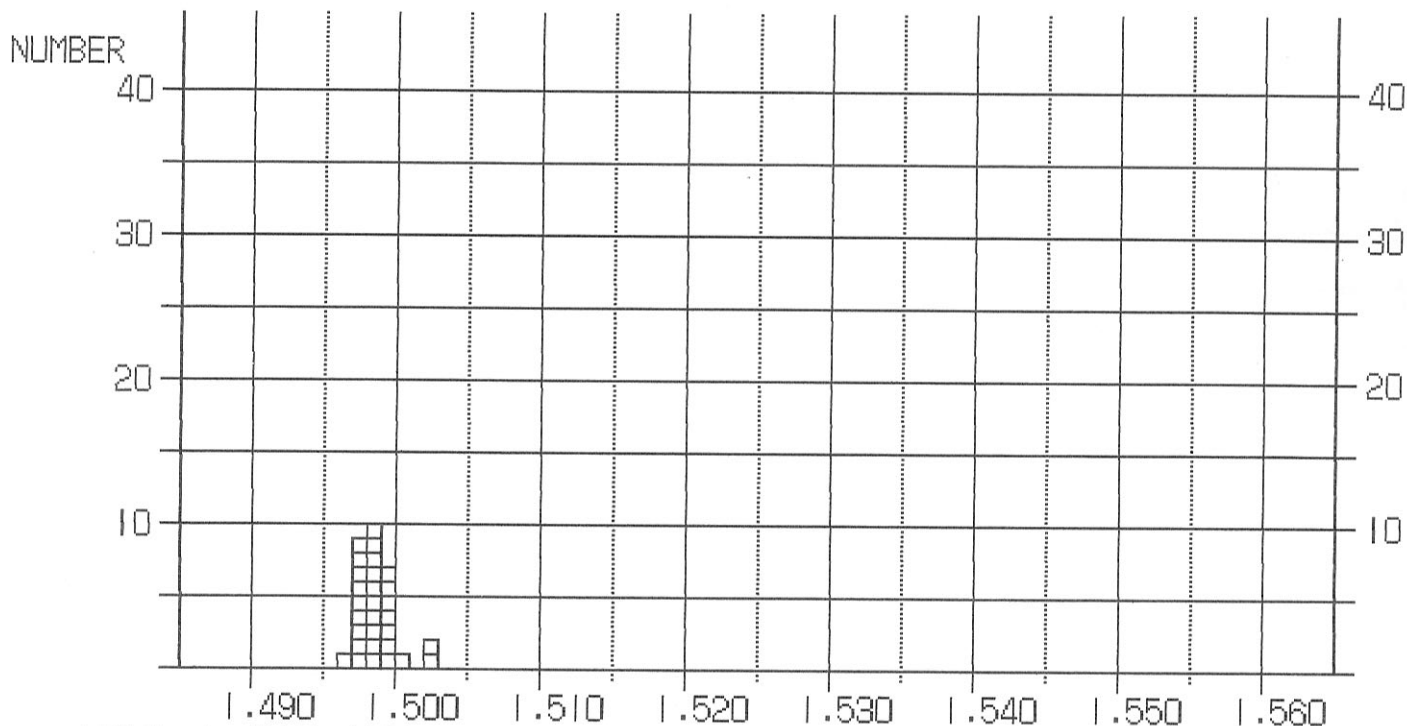
1.4996	1.4995	1.4995	1.4993	1.4987	1.4984	1.4984	1.4969
1.4993	1.4995	1.4996	1.4996	1.5028	1.5034	1.4970	1.4973
1.4982	1.4984	1.4984	1.4978	1.4976	1.4977	1.4979	1.4981
1.4983	1.4990	1.4991	1.4993	1.4995	1.5029	1.5039	1.5042

***** REFRACTIVE INDEX *****

Glass

SAMPLE NAME : P113G

LOCALITY : P1 1.3m



MEAN 1.4987 MIN 1.4963 MAX 1.5027 RANGE 0.0064 COUNT 30

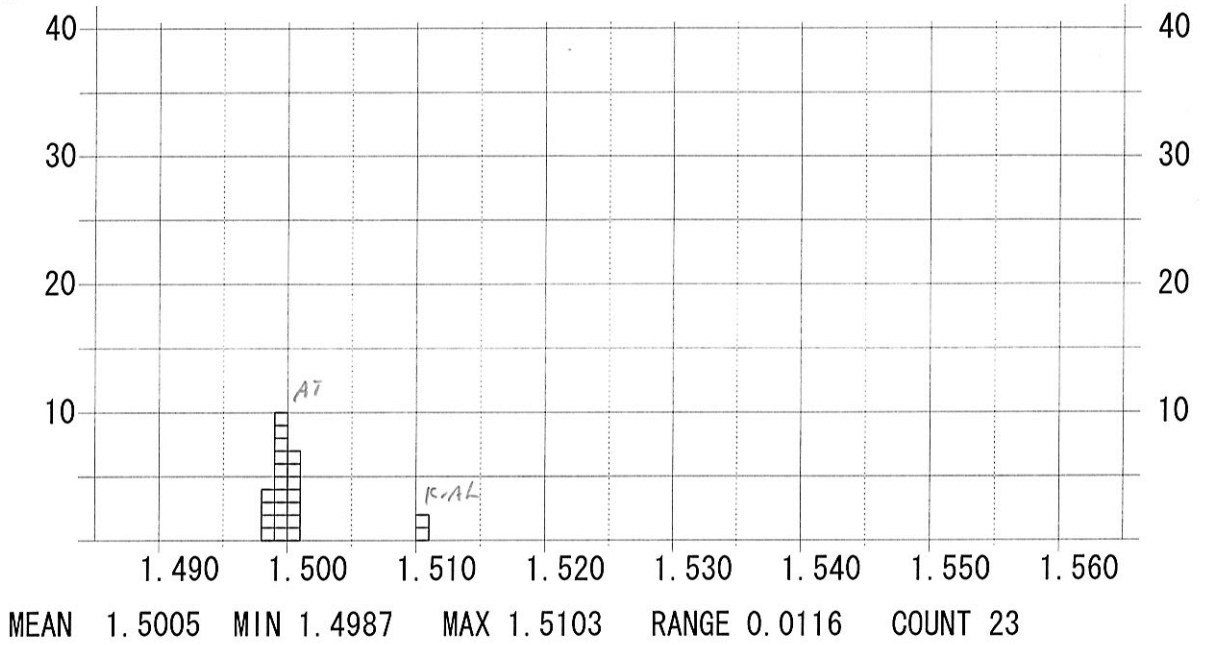
DATA LIST

1.5027 <i>0.16</i>	1.5024 <i>0.16</i>	1.4991	1.4989	1.4986	1.4996	1.4993	1.4978
1.4974	1.4977	1.4979	1.4982	1.4984	1.4971	1.4963	1.4974
1.4984	1.4986	1.4988	1.4993	1.4998	1.4989	1.5001	1.4990
1.4984	1.4975	1.4976	1.4997	1.4979	1.4982		

***** REFRACTIVE INDEX *****
 SAMPLE NAME : P1-1.7

GLASS

NUMBER



DATA LIST

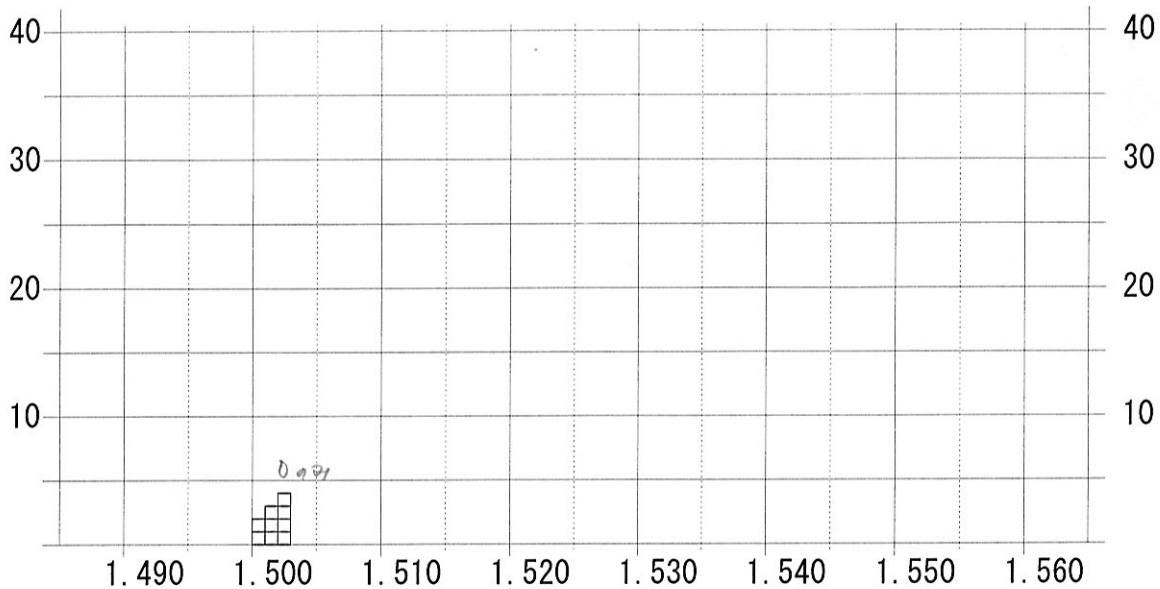
1.4990	1.4994	1.4994	1.4993	1.4987	1.4990	1.4992	1.4998
1.5001	1.5002	1.5001	1.4994	1.4988	1.4988	1.5000	1.5000
1.5002	1.5002	1.5003	1.4994	1.4991	1.5100	1.5103	

P2

***** REFRACTIVE INDEX *****
SAMPLE NAME : P3-5-glass

GLASS

NUMBER



MEAN 1.5018 MIN 1.5008 MAX 1.5025 RANGE 0.0017 COUNT 9

DATA LIST

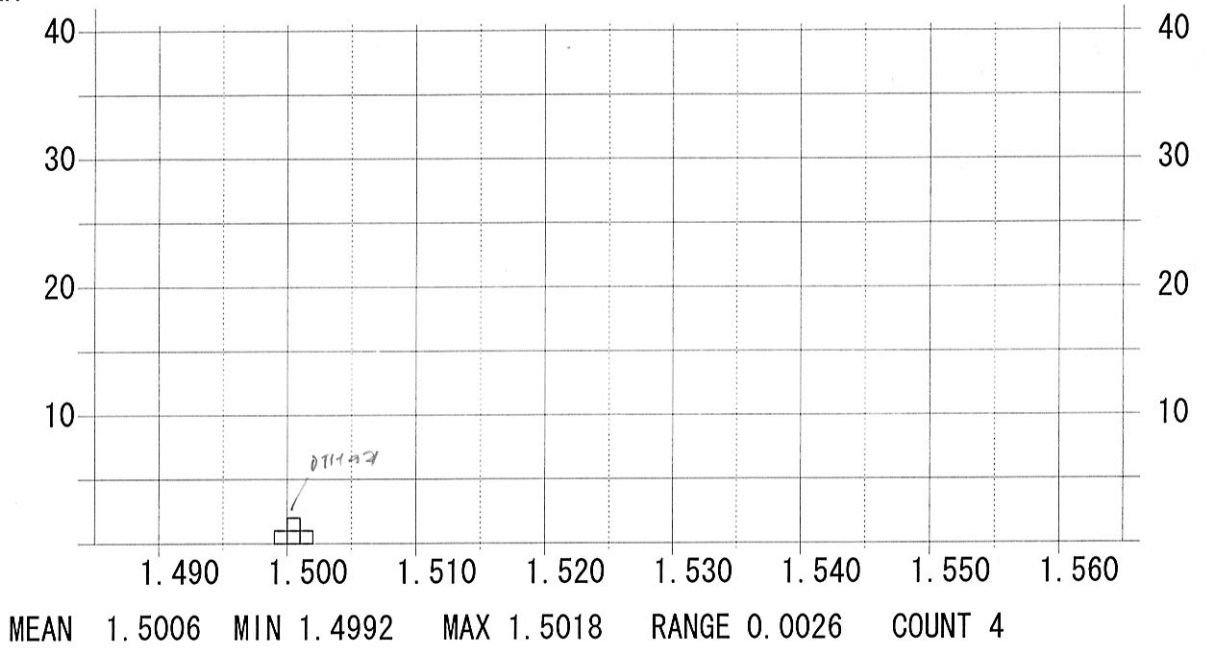
1.5024 1.5024 1.5011 1.5008 1.5025 1.5021 1.5018 1.5017
1.5010

20/21
AT 10
K-AL 17
全

***** REFRACTIVE INDEX *****
SAMPLE NAME : P3-7-glass

GLASS

NUMBER



DATA LIST

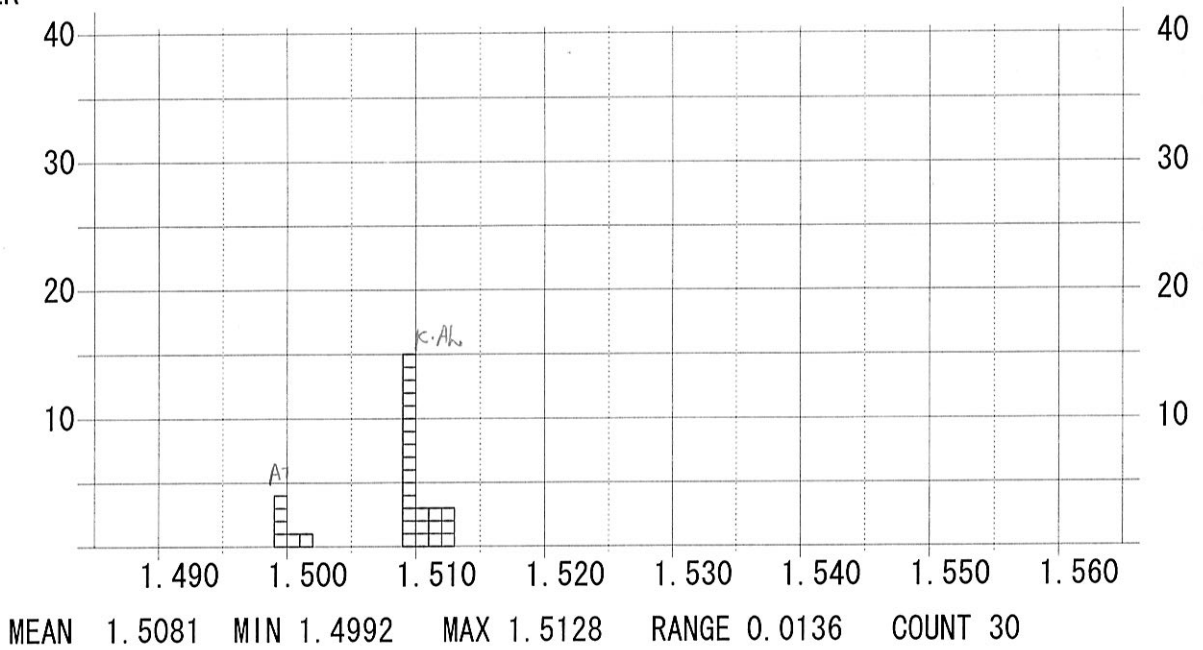
1.5018 1.5005 1.5008 1.4992

20128
K-AH 20
AT 4 1/2

***** REFRACTIVE INDEX *****
 SAMPLE NAME : P3-9-glass

GLASS

NUMBER



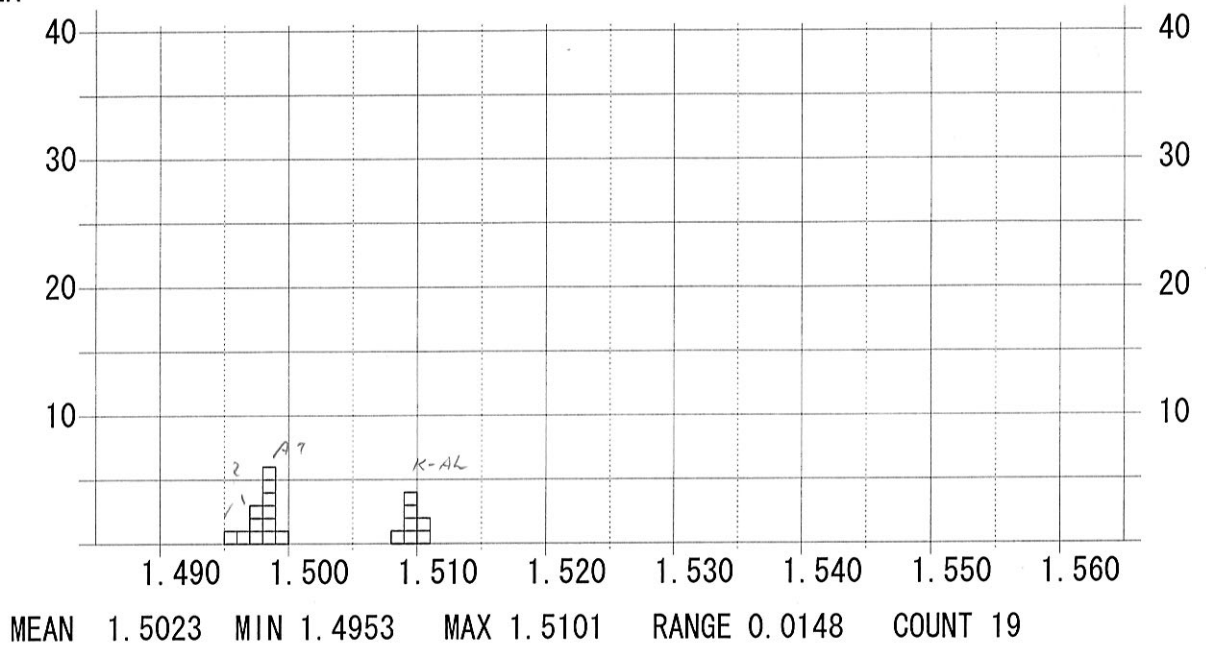
DATA LIST

1.4993	1.4992	1.5001	1.5019	1.4994	1.4992	1.5094	1.5094
1.5096	1.5096	1.5097	1.5100	1.5101	1.5101	1.5101	1.5111
1.5112	1.5116	1.5120	1.5128	1.5124	1.5099	1.5099	1.5098
1.5097	1.5097	1.5094	1.5093	1.5093	1.5092		

***** REFRACTIVE INDEX *****
 SAMPLE NAME : P3-12-glass

GLASS

NUMBER



DATA LIST

1.4986	1.4980	1.4988	1.4995	1.4987	1.4987	1.4985	1.4985
1.4974	1.4969	1.4979	1.4953	1.5088	1.5091	1.5094	1.5097
1.5099	1.5100	1.5101					

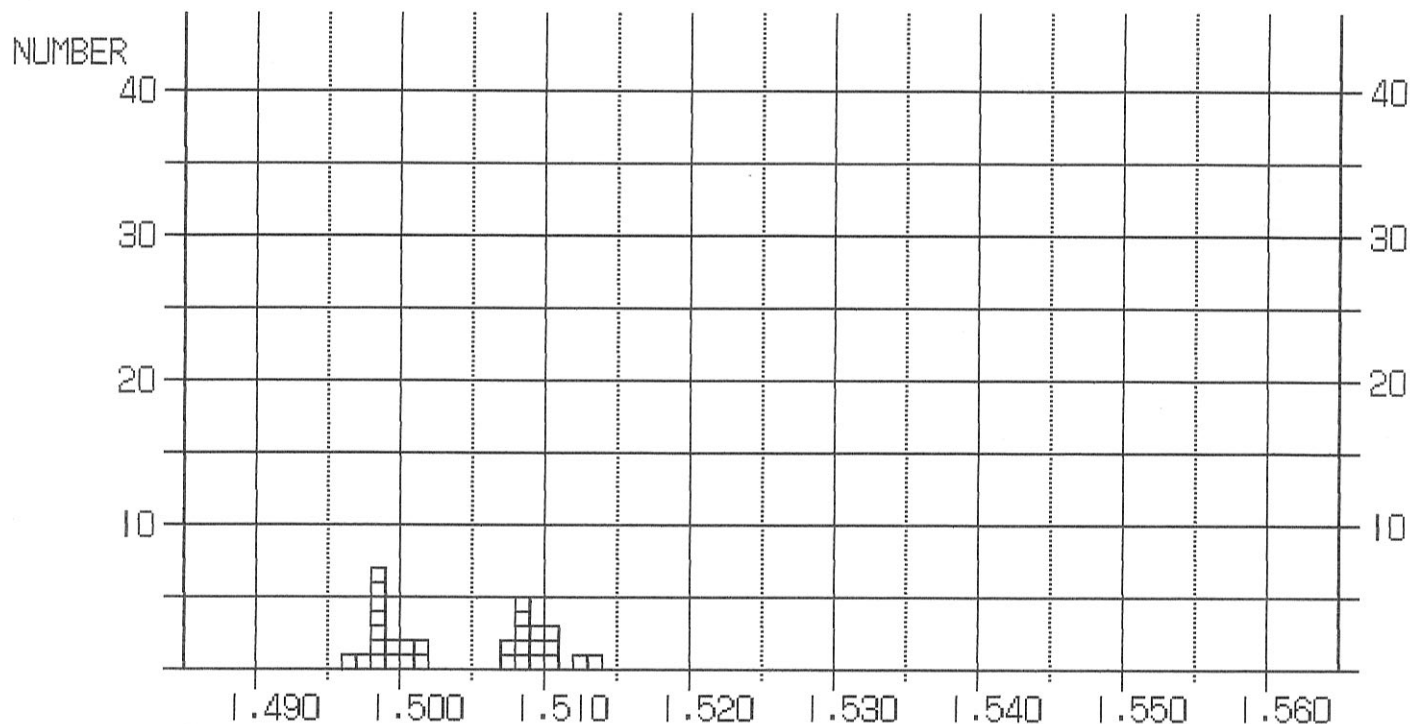
P3

***** REFRACTIVE INDEX *****

Glass

SAMPLE NAME : P3202G

LOCALITY : P3-2 0.2m



MEAN 1.5044 MIN 1.4970 MAX 1.5132 RANGE 0.0163 COUNT 30

DATA LIST

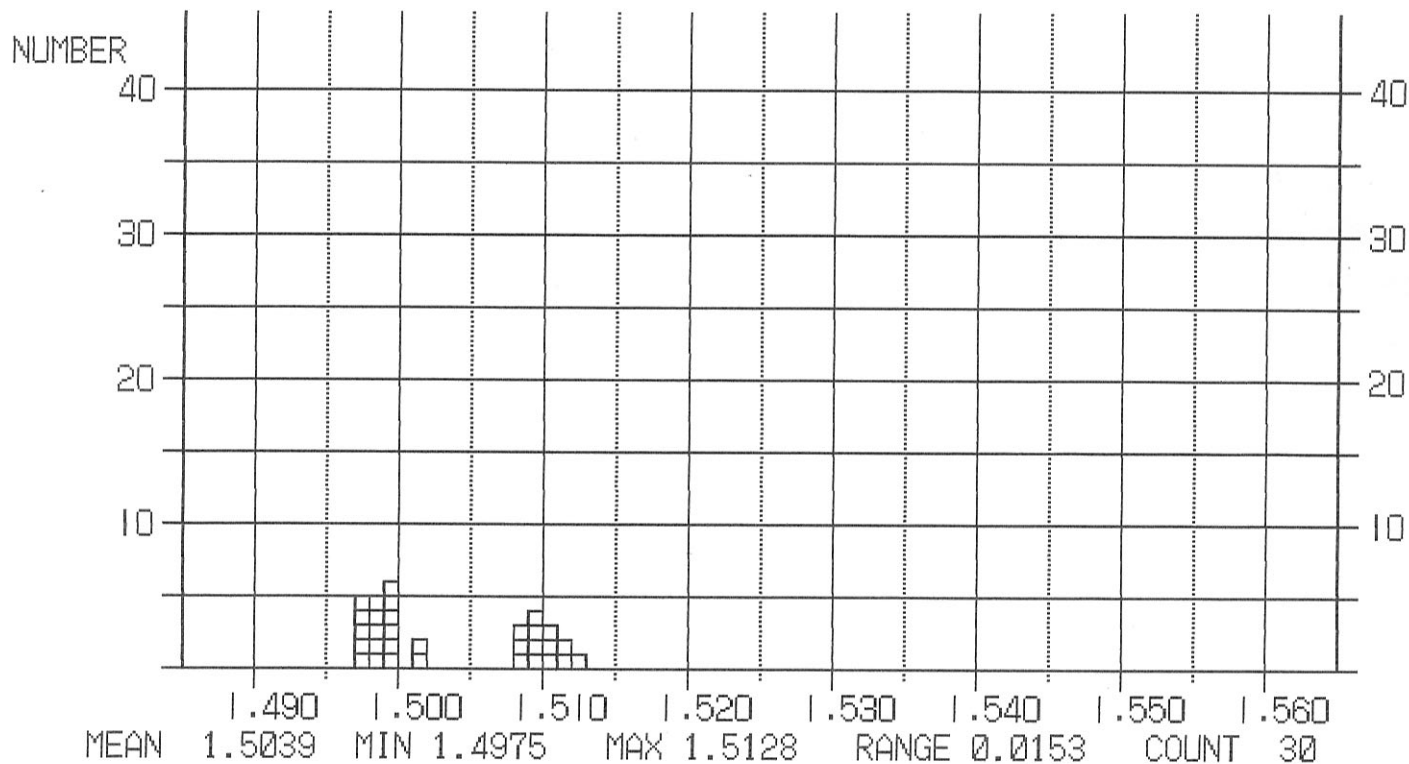
1.4981	1.4977	1.4981	1.4994	1.4982	1.4989	1.4981	1.4980
1.4970	1.4981	1.5002	1.4996	<i>pan</i> 1.5014	1.5013	1.5008	1.5094
1.5082	1.5079	1.5090	1.5085	1.5106	1.5127	1.5132	1.5110
1.5107	1.5099	1.5094	1.5085	1.5080	1.5090		

***** REFRACTIVE INDEX *****

Glass

SAMPLE NAME : P3203G

LOCALITY : P3-2 0.3m



DATA LIST

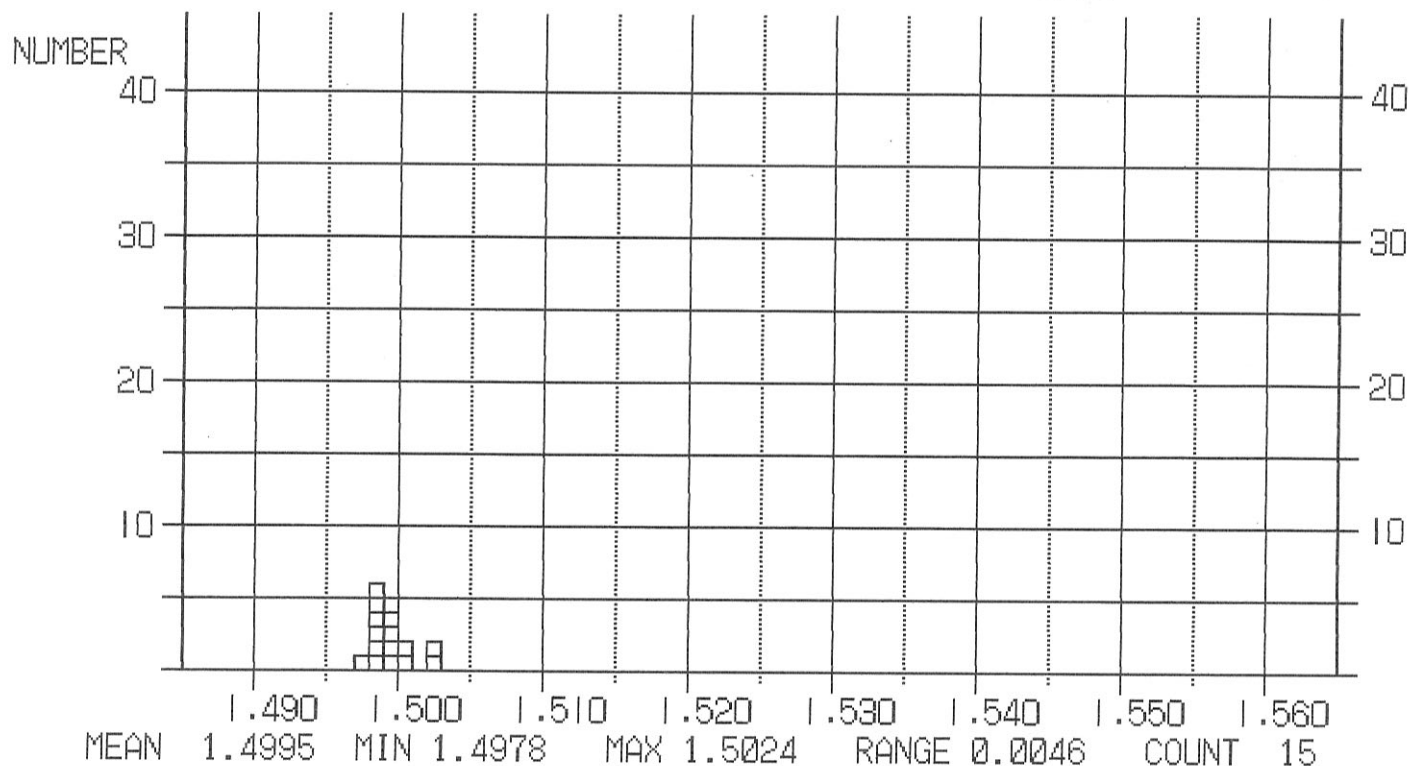
1.5115	1.5109	1.5100	1.5095	1.5128	1.5115	1.5108	1.5106
1.5089	1.5086	1.5087 <i>pm</i>	1.5094 <i>pm</i>	1.4990	1.4989	1.4980	1.4994
1.4978	1.4977	1.4993	1.4998	1.4990	1.4975	1.4976	1.5016 <i>pm</i>
1.5013 <i>pm</i>	1.4999	1.4990	1.4988	1.4995	1.5096		

***** REFRACTIVE INDEX *****

Glass

SAMPLE NAME : P3209G

LOCALITY : P3-2 0.9m



DATA LIST

1.5024	1.5021	1.4993	1.4990	1.4992	1.4978	1.4980	1.5003
<i>0.15</i>	<i>0.15</i>						
1.5004	1.4999	1.4987	1.4983	1.4996	1.4988	1.4988	

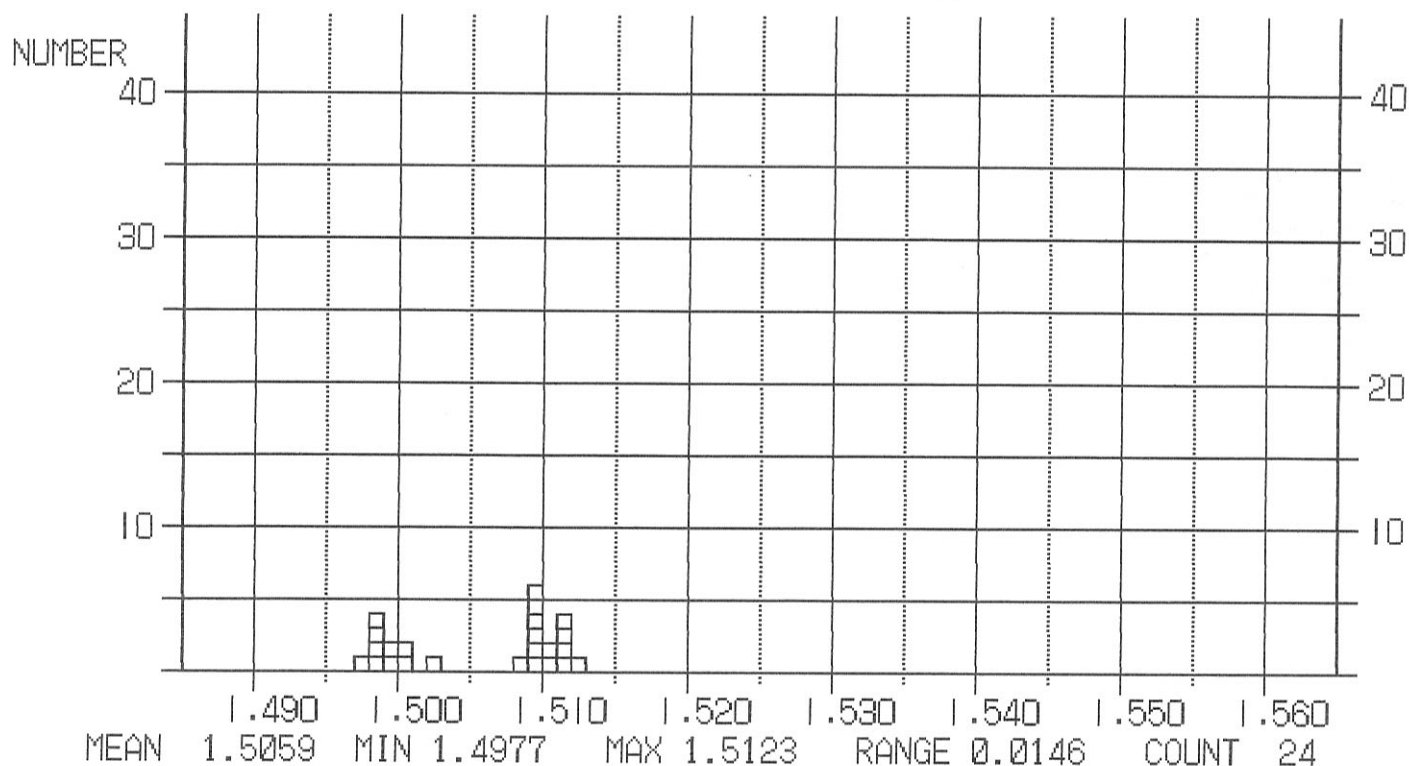
P4

***** REFRACTIVE INDEX *****

Glass

SAMPLE NAME : P2D03G

LOCALITY : P2' 0.3



DATA LIST

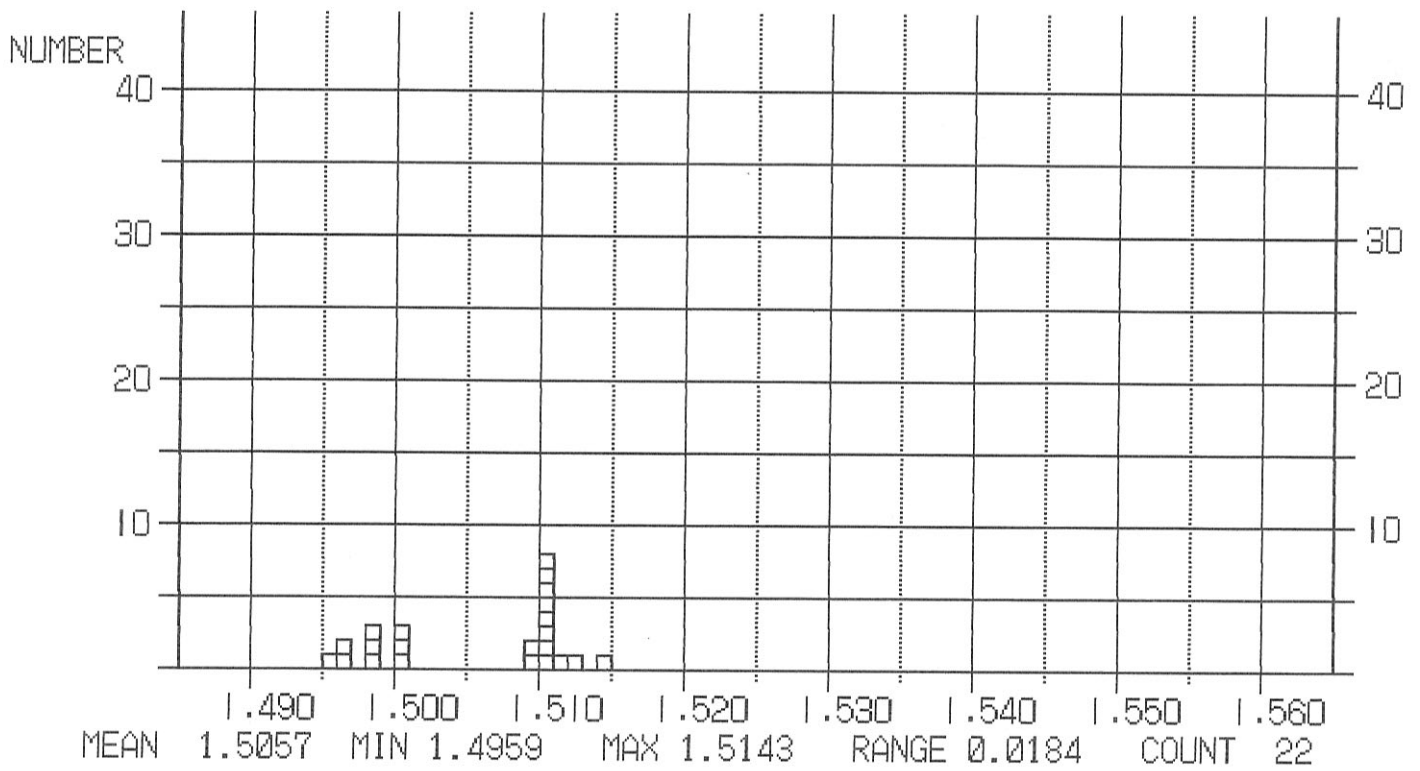
1.5117	1.5111	1.5104	1.5093	1.5116	1.5107	1.5094	1.5092
		<i>付</i>					
1.5123	1.5089	1.4994	1.4977	1.5009	1.5006	1.4998	1.4987
1.5029	1.4989	1.4983	1.4988	1.5116	1.5099	1.5094	1.5099
<i>Pm</i>							

***** REFRACTIVE INDEX *****

Glass

SAMPLE NAME : P2D04G

LOCALITY : P2' 0.4



DATA LIST

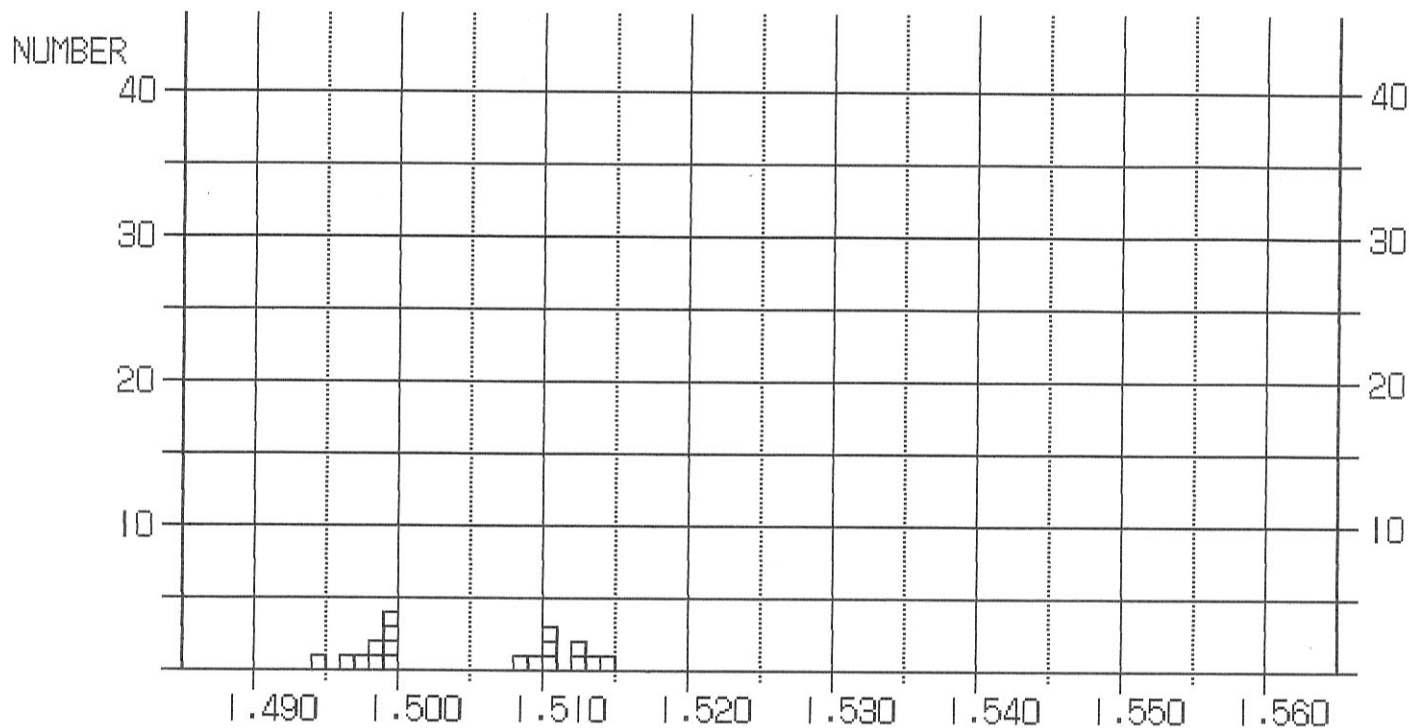
1.5125	1.5113	1.5108	1.5103	1.5110	1.5107	1.5106	1.5093
1.5107	1.5105	1.5105	1.5143 包付	1.5099 包付	1.5001	1.4982	1.4960
1.4963	1.4986	1.5002	1.4981	1.4959	1.5001 0.低		

***** REFRACTIVE INDEX *****

Glass

SAMPLE NAME : P2D09G

LOCALITY : P2' 0.9



MEAN 1.5047 MIN 1.4949 MAX 1.5142 RANGE 0.0192 COUNT 18

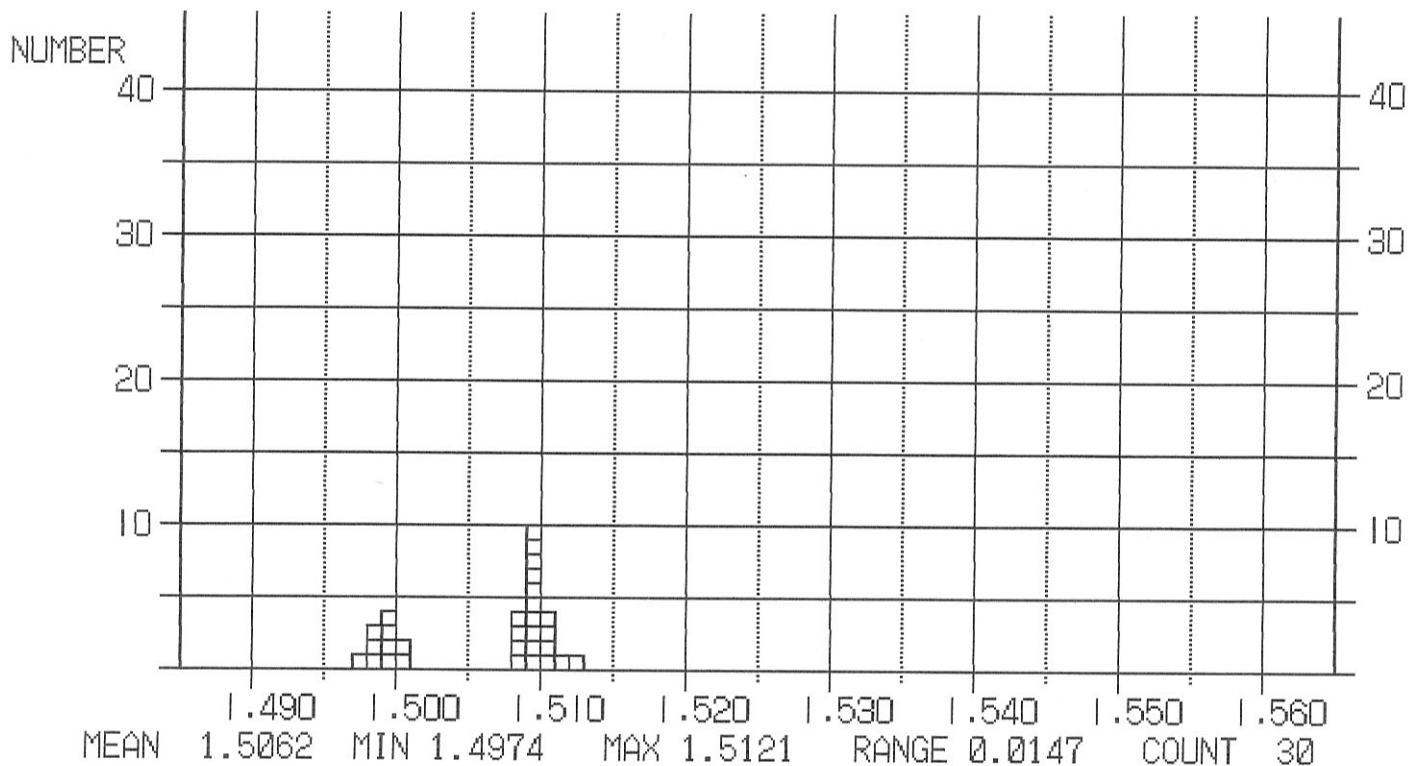
DATA LIST

1.5098	1.5127	1.4994	1.4991	1.4997	1.4993	1.4949	1.4984
1.4963	1.5134	1.5122	1.5109	1.5105	1.5103	1.5142	1.5087
1.4981	1.4973					色付	

***** REFRACTIVE INDEX *****

SAMPLE NAME : P2D15G

LOCALITY : P2' 1.5



DATA LIST

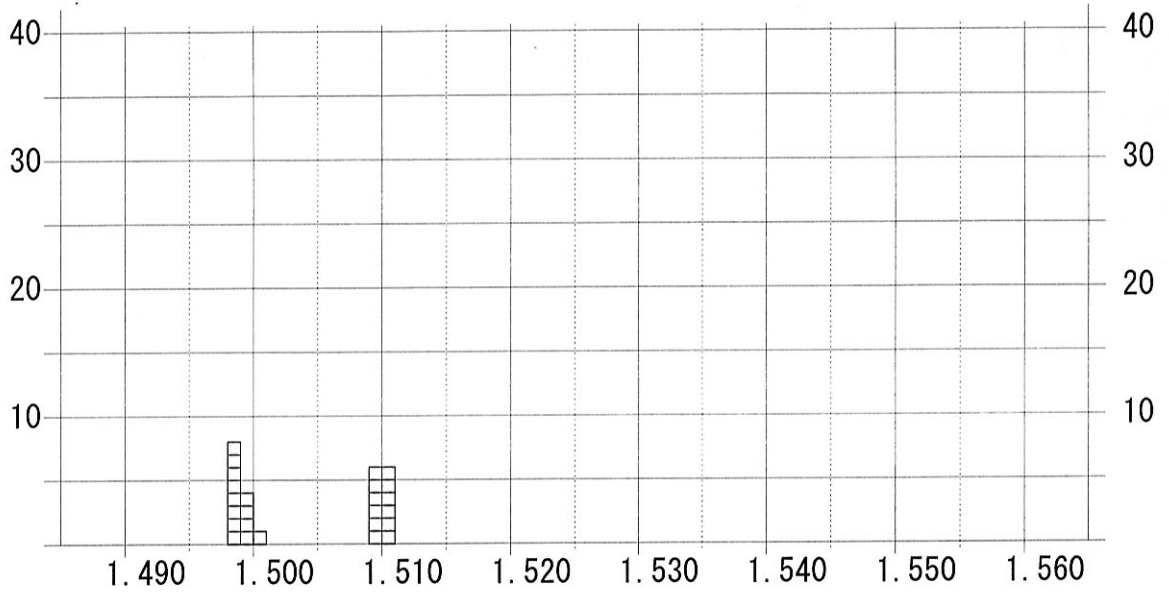
1.5100	1.5099	1.5094	1.5103	1.5094	1.5091	1.5095	1.5095
1.5104	1.5098	1.5101	1.5088	1.5086	1.5099	1.5103	1.5121
1.5111	1.5092	1.5083	1.5088	1.4994	1.4991	1.4999	1.4989
1.4974	1.5003	1.4995	1.4990	1.4986	1.5006		

P5

***** REFRACTIVE INDEX *****
 SAMPLE NAME : P2-1-glass

GLASS

NUMBER



MEAN 1.5042 MIN 1.4980 MAX 1.5102 RANGE 0.0121 COUNT 25

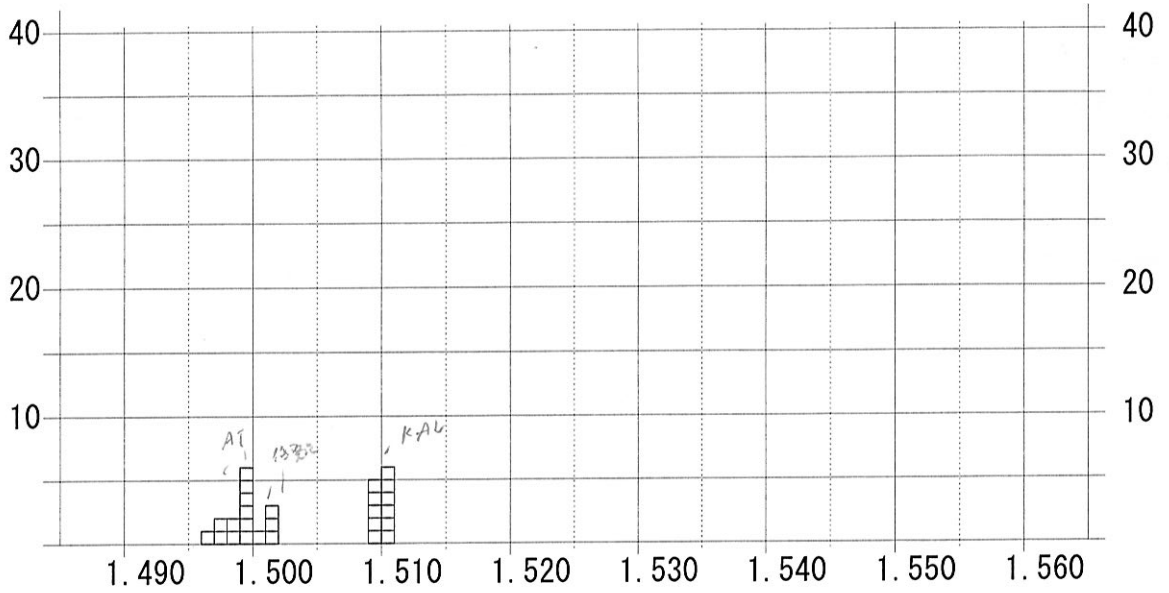
DATA LIST

1.4992	1.4992	1.5000	1.4982	1.4985	1.4980	1.4986	1.4997
1.4992	1.4986	1.4981	1.4983	1.4990	1.5098	1.5098	1.5098
1.5099	1.5099	1.5100	1.5101	1.5101	1.5101	1.5101	1.5102
1.5102							

***** REFRACTIVE INDEX *****
 SAMPLE NAME : P2-10-glass

GLASS

NUMBER



MEAN 1.5040 MIN 1.4968 MAX 1.5105 RANGE 0.0137 COUNT 26

DATA LIST

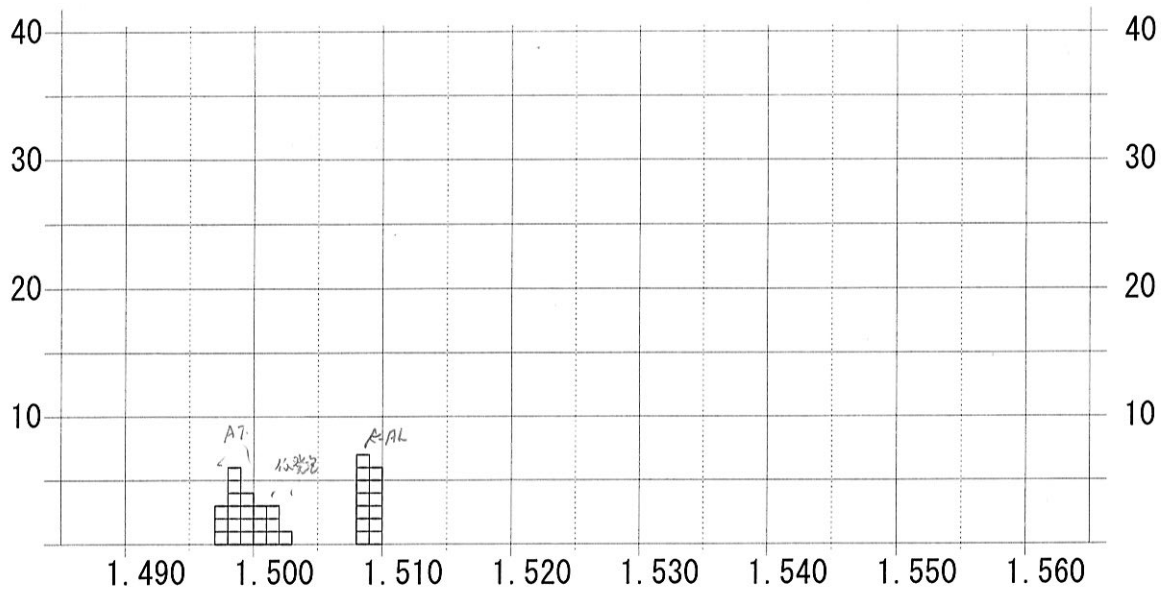
1.4994	1.4995	1.4977	1.4968	1.4987	1.5000	1.5015	1.5015
1.5002	1.4997	1.4998	1.5020	1.4988	1.4996	1.4976	1.5105
1.5105	1.5105	1.5104	1.5104	1.5104	1.5100	1.5098	1.5097
1.5096	1.5096						

P6

***** REFRACTIVE INDEX *****
 SAMPLE NAME : P4-9-glass

GLASS

NUMBER



MEAN 1.5032 MIN 1.4976 MAX 1.5096 RANGE 0.0120 COUNT 33

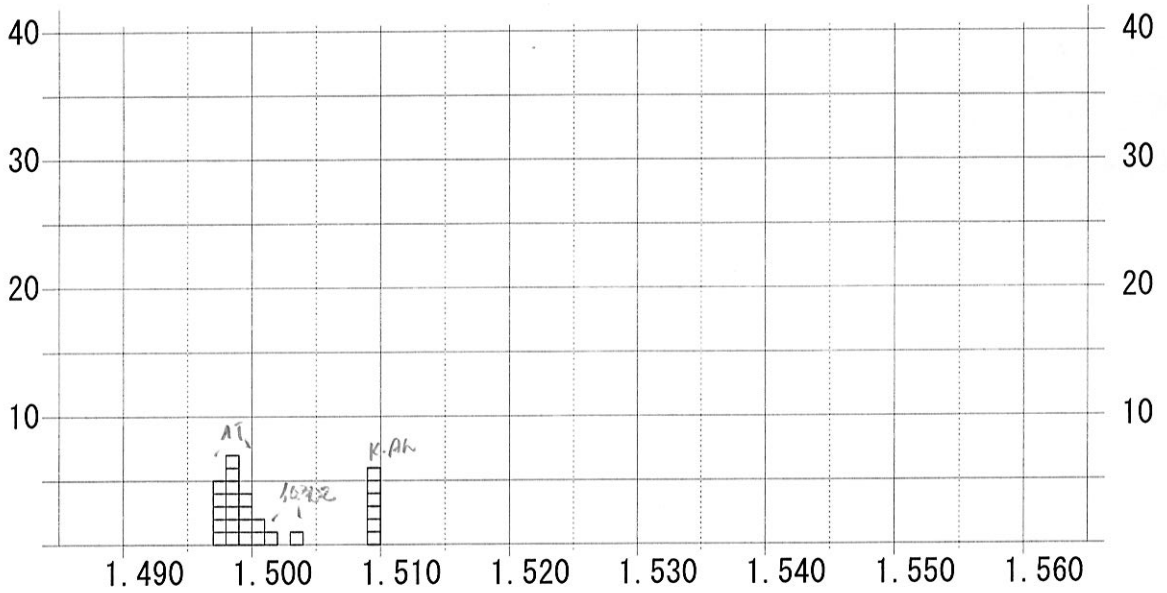
DATA LIST

1.5013	1.5016	1.4993	1.4991	1.4989	1.4997	1.5002	1.5004
1.4977	1.4976	1.4978	1.5020	1.5019	1.4981	1.4982	1.4982
1.4981	1.4998	1.5001	1.4989	1.5086	1.5086	1.5087	1.5088
1.5088	1.5088	1.5089	1.5093	1.5093	1.5093	1.5093	1.5094
1.5096							

***** REFRACTIVE INDEX *****
 SAMPLE NAME : P4-1-glass-

GLASS

NUMBER



MEAN 1.5014 MIN 1.4977 MAX 1.5096 RANGE 0.0119 COUNT 26

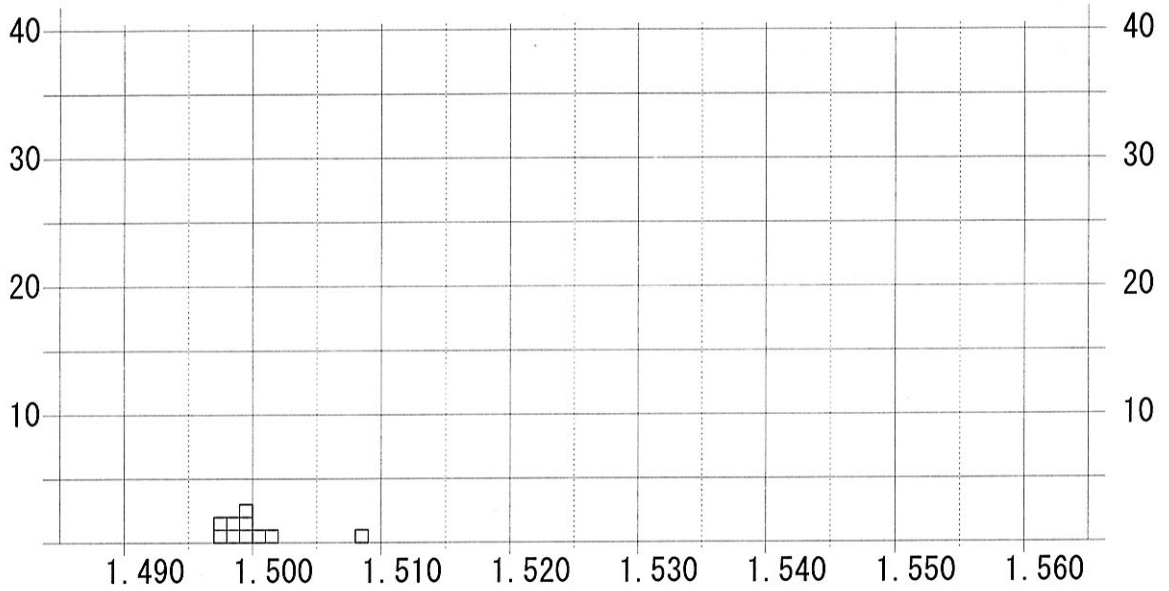
DATA LIST

1.5095	1.5090	1.5093	1.5093	1.5094	1.5096	1.4986	1.4988
1.4991	1.4994	1.4980	1.4978	1.4977	1.4980	1.4991	1.4992
1.5000	1.5000	1.4982	1.4981	1.4983	1.4984	1.4978	1.4979
1.5017	1.5032						

***** REFRACTIVE INDEX *****
SAMPLE NAME : P4-6-glass

GLASS

NUMBER



MEAN 1.5001 MIN 1.4977 MAX 1.5085 RANGE 0.0108 COUNT 10

DATA LIST

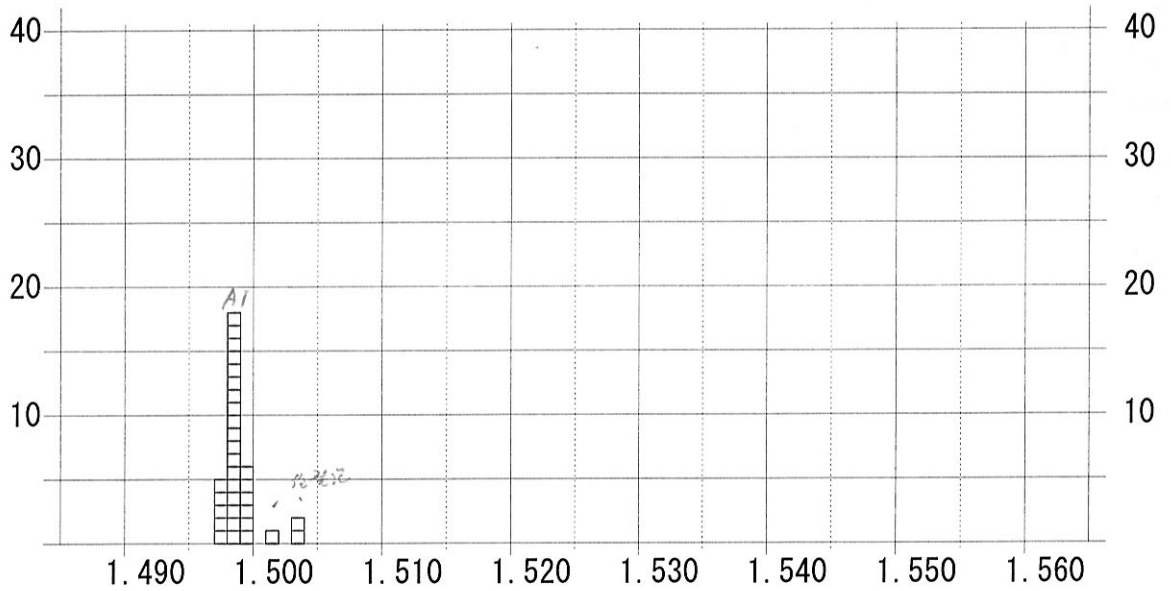
1.4977 1.5085 1.5011 1.5009 1.4993 1.4992 1.4989 1.4981
1.4996 1.4980

P7

***** REFRACTIVE INDEX *****
 SAMPLE NAME : P6-1-glass

GLASS

NUMBER



MEAN 1.4990 MIN 1.4977 MAX 1.5032 RANGE 0.0055 COUNT 32

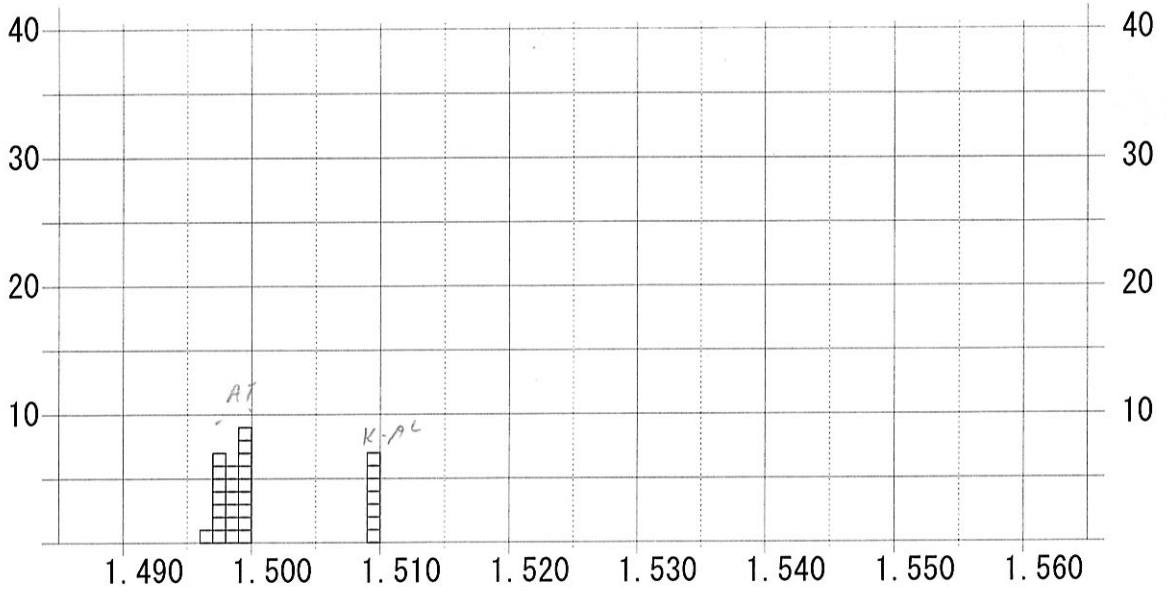
DATA LIST

1.4980	1.4981	1.4988	1.4994	1.4996	1.4996	1.4988	1.4985
1.4983	1.4980	1.4977	1.4978	1.4979	1.4988	1.4989	1.4990
1.4989	1.4986	1.4980	1.4982	1.4994	1.4996	1.4992	1.4988
1.4988	1.4987	1.4985	1.4983	1.4978	1.5020	1.5032	1.5032

***** REFRACTIVE INDEX *****
 SAMPLE NAME : P6-3-glass

GLASS

NUMBER



MEAN 1.5011 MIN 1.4970 MAX 1.5097 RANGE 0.0128 COUNT 30

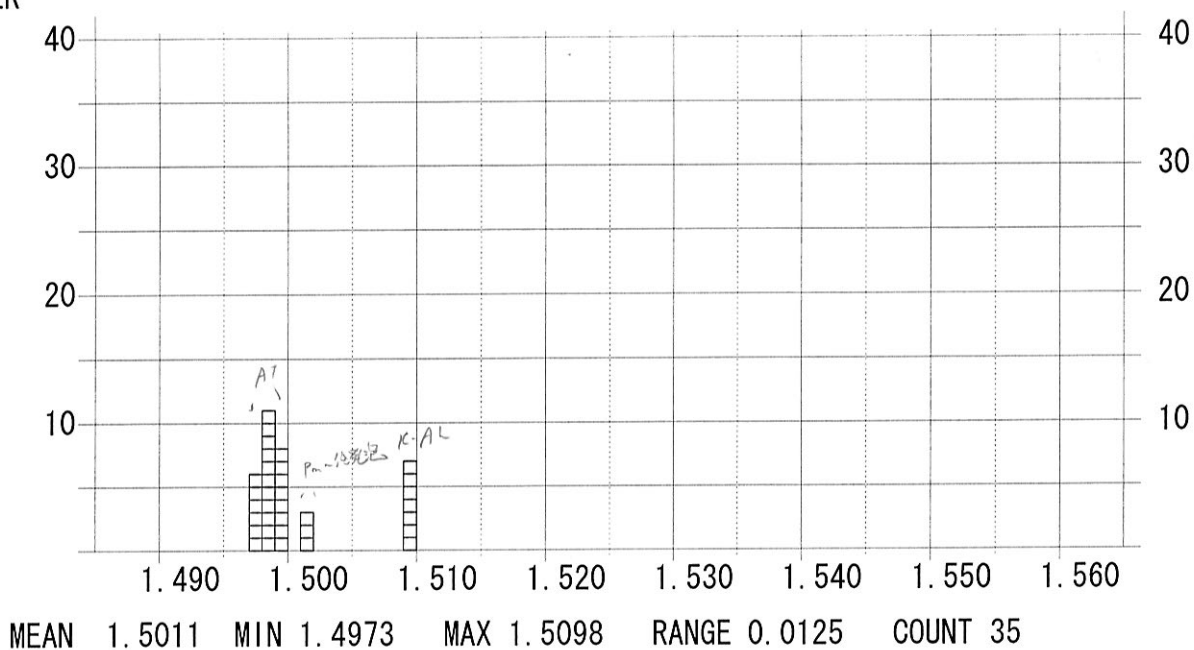
DATA LIST

1.5092	1.5092	1.5093	1.5094	1.5096	1.5097	1.5097	1.4999
1.4995	1.4992	1.4991	1.4985	1.4980	1.4979	1.4977	1.4981
1.4986	1.4991	1.4992	1.4994	1.4992	1.4995	1.4988	1.4985
1.4983	1.4977	1.4974	1.4971	1.4970	1.4977		

***** REFRACTIVE INDEX *****
 SAMPLE NAME : P6-6-glass

GLASS

NUMBER



DATA LIST

1.5095	1.5094	1.5094	1.5095	1.5096	1.5097	1.5098	1.4984
1.4985	1.4981	1.4980	1.4977	1.4980	1.4992	1.4994	1.4995
1.5016	1.4993	1.4992	1.4989	1.4987	1.4985	1.4973	1.4979
1.4981	1.4984	1.4989	1.4989	1.4996	1.4998	1.5016	1.5019
1.4996	1.4980	1.4977					

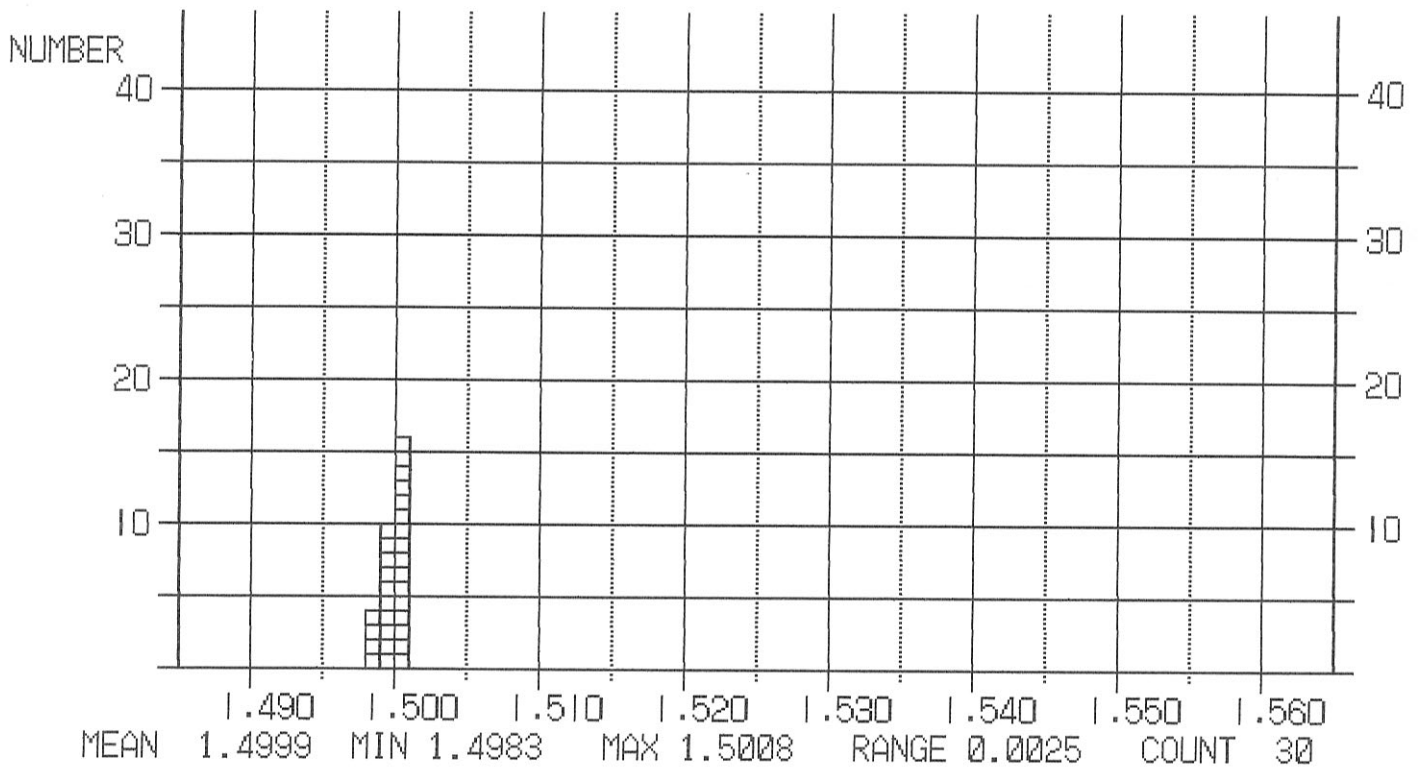
L1-1

SAMPLE NAME : LI1510G

***** REFRACTIVE INDEX *****

LOCALITY : LI-1 510

Glass



DATA LIST

1.5008	1.5007	1.5006	1.5006	1.5005	1.5005	1.5003	1.5003
1.5003	1.5003	1.5002	1.5002	1.5002	1.5001	1.4999	1.4998
1.4998	1.4996	1.4994	1.4988	1.4986	1.4983	1.4986	1.4992
1.4999	1.5003	1.5004	1.4995	1.4997	1.4999		

5.1.2.斜方輝石

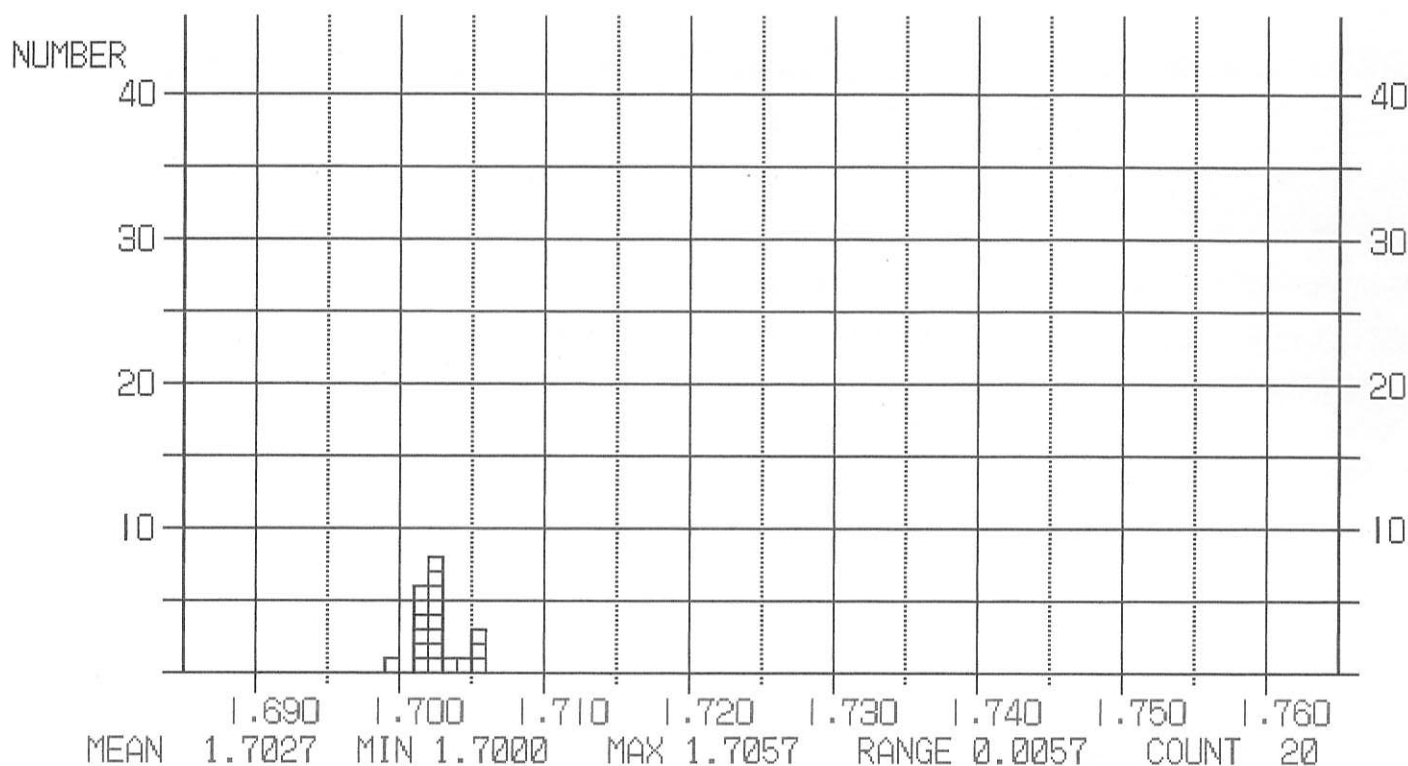
KA-2

SAMPLE NAME : KAT2970

***** REFRACTIVE INDEX *****

LOCALITY : KAT2 9.7

Pyroxene



DATA LIST

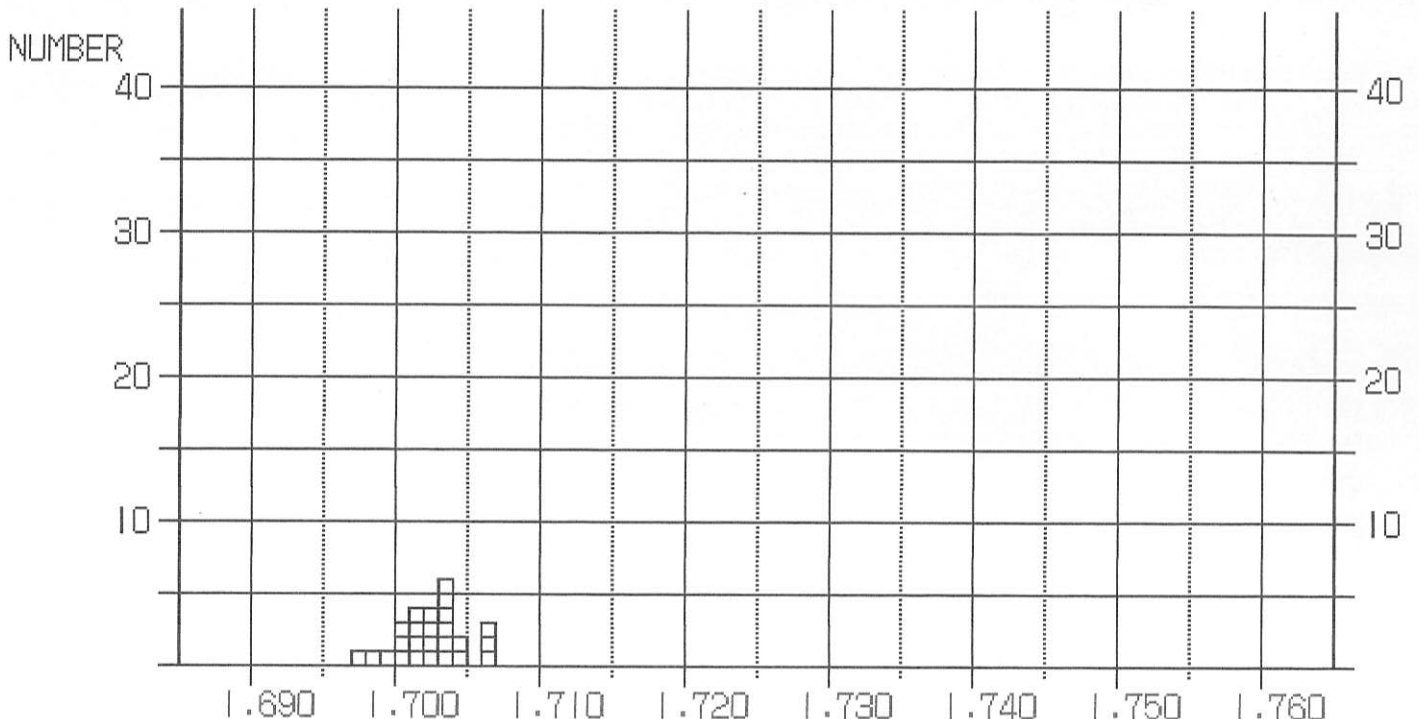
1.7050	1.7021	1.7028	1.7028	1.7018	1.7025	1.7021	1.7000
1.7014	1.7020	1.7029	1.7052	1.7024	1.7036	1.7021	1.7012
1.7010	1.7019	1.7049	1.7057				

***** REFRACTIVE INDEX *****

Pyroxene

SAMPLE NAME : KAT21700

LOCALITY : KAT2 17.0



MEAN 1.7026 MIN 1.6978 MAX 1.7070 RANGE 0.0092 COUNT 25

DATA LIST

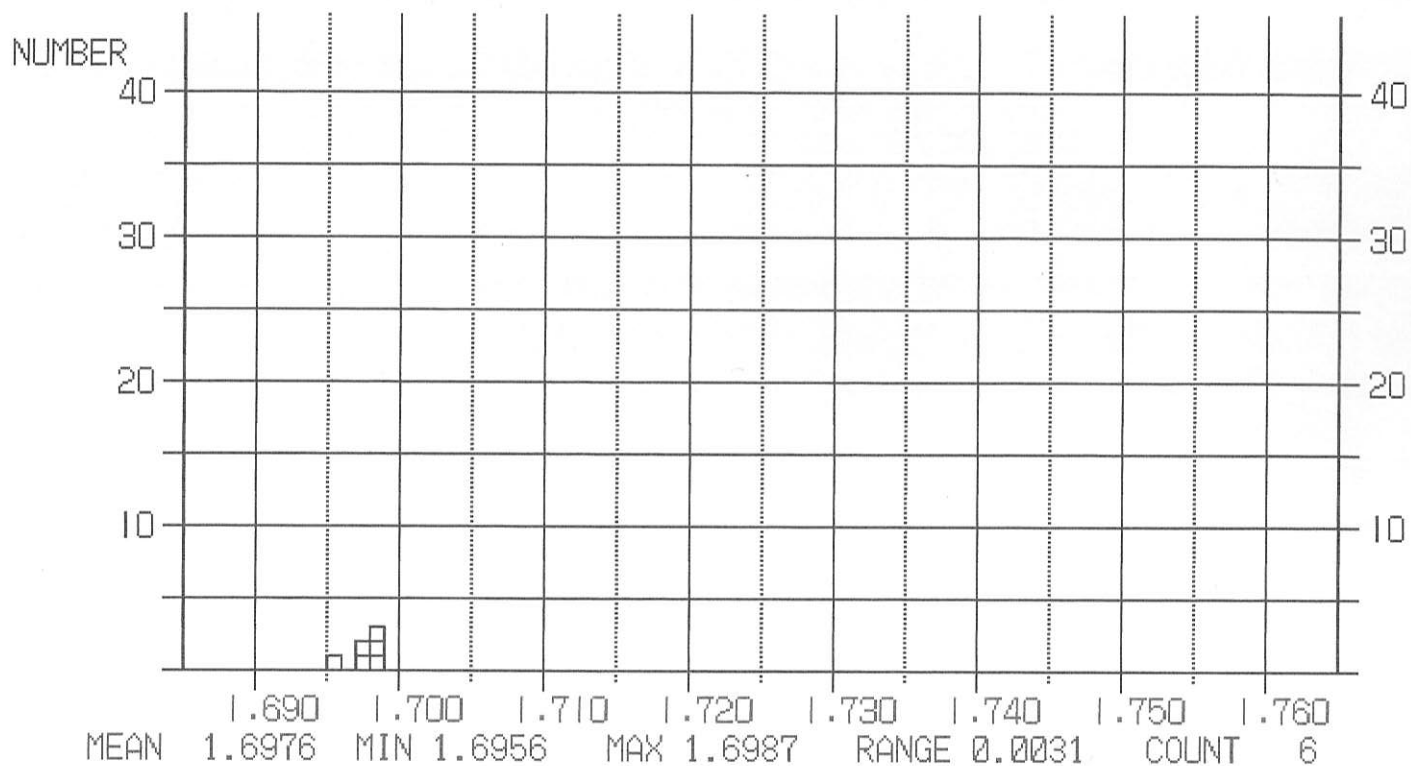
1.7043	1.7038	1.7031	1.7026	1.7037	1.7027	1.7033	1.7038
1.7065	1.7032	1.7023	1.7020	1.7016	1.7008	1.7023	1.6978
1.6988	1.6993	1.7008	1.7019	1.7003	1.7017	1.7065	1.7070
1.7041							

***** REFRACTIVE INDEX *****

Pyroxene

SAMPLE NAME : KAT2170S

LOCALITY : KAT2 17.0



DATA LIST

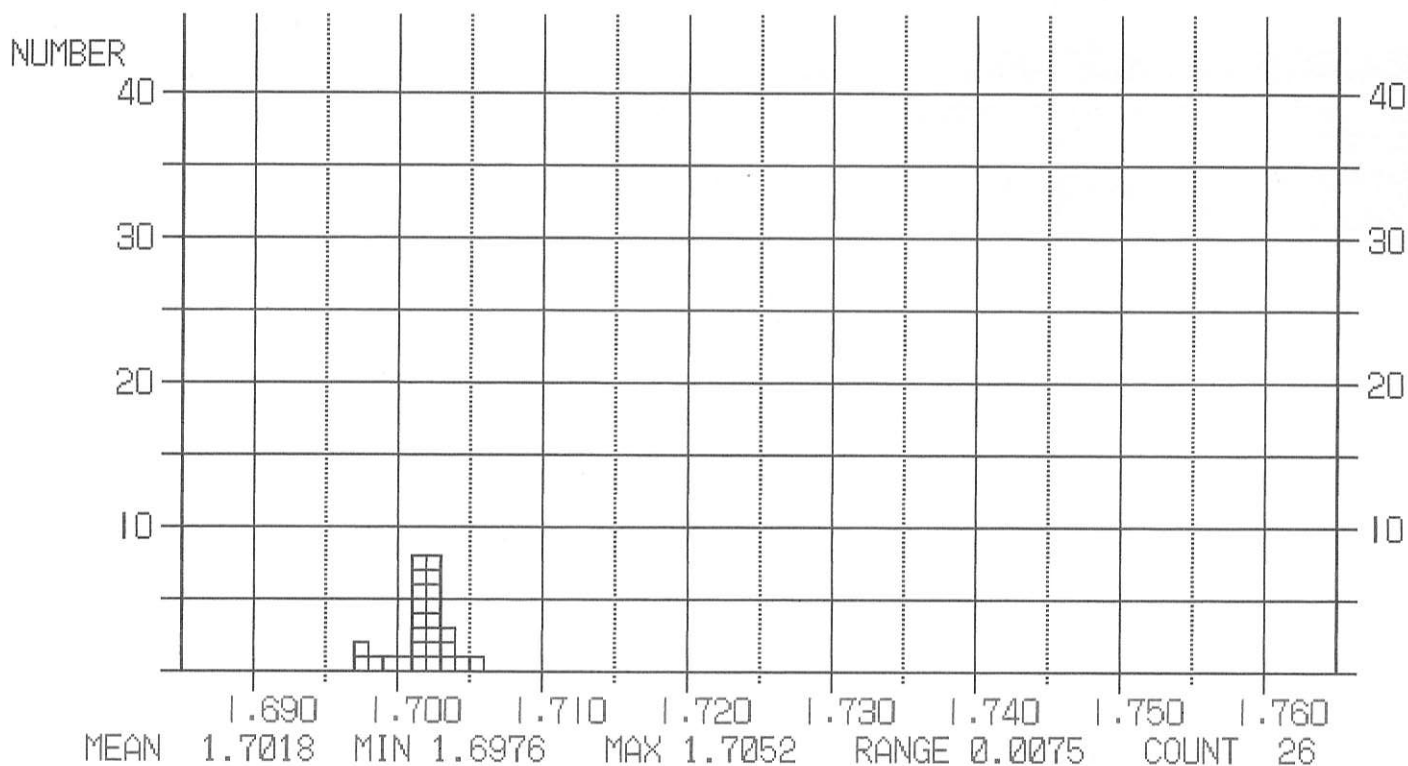
1.6987 1.6971 1.6956 1.6977 1.6980 1.6986

***** REFRACTIVE INDEX *****

Pyroxene

SAMPLE NAME : KAT21900

LOCALITY : KAT2 19.0



DATA LIST

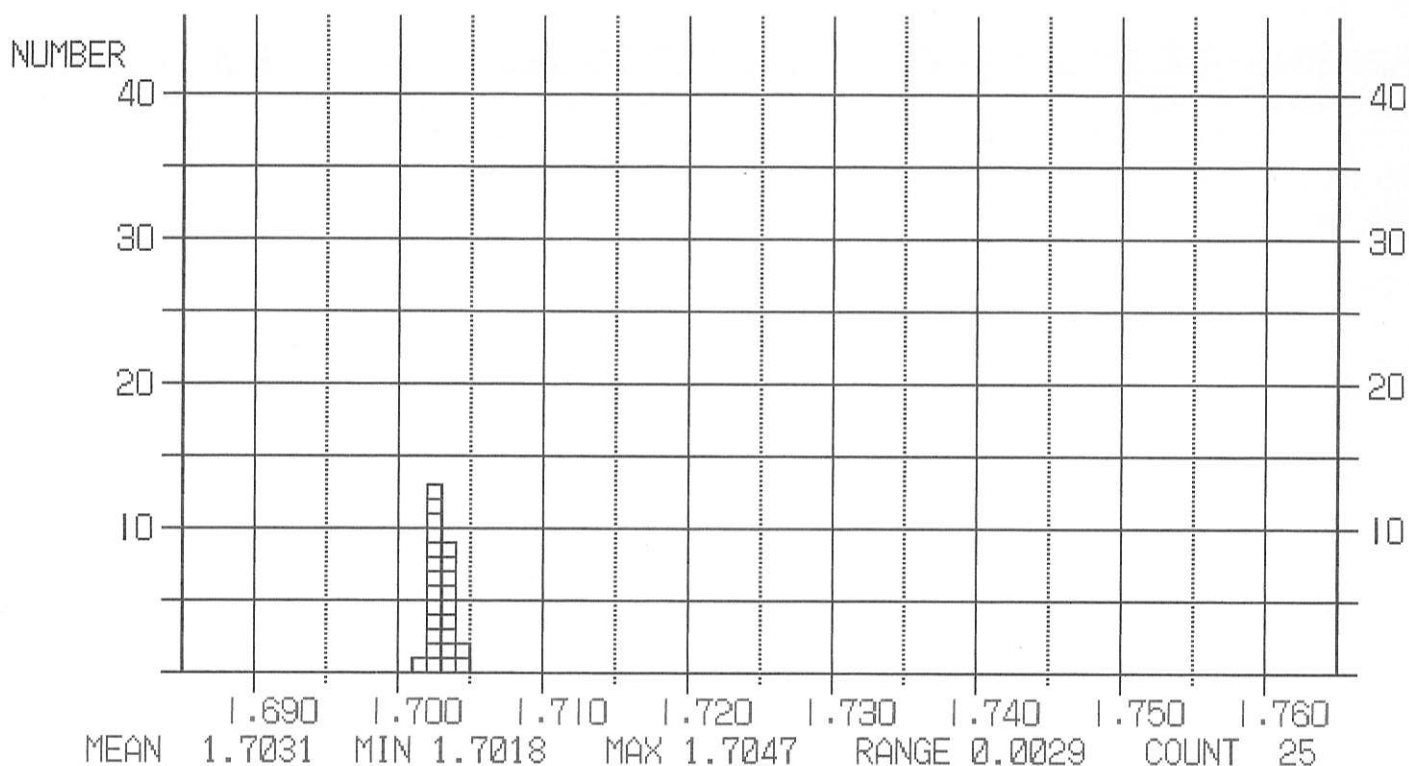
1.7032	1.7024	1.7022	1.7026	1.7037	1.7018	1.6995	1.7020
1.7026	1.7026	1.7043	1.7025	1.7019	1.7013	1.7022	1.7031
1.7012	1.7052	1.7015	1.6979	1.6976	1.6989	1.7010	1.7027
1.7019	1.7007						

***** REFRACTIVE INDEX *****

Pyroxene

SAMPLE NAME : KAT22350

LOCALITY : KAT2 23.5



DATA LIST

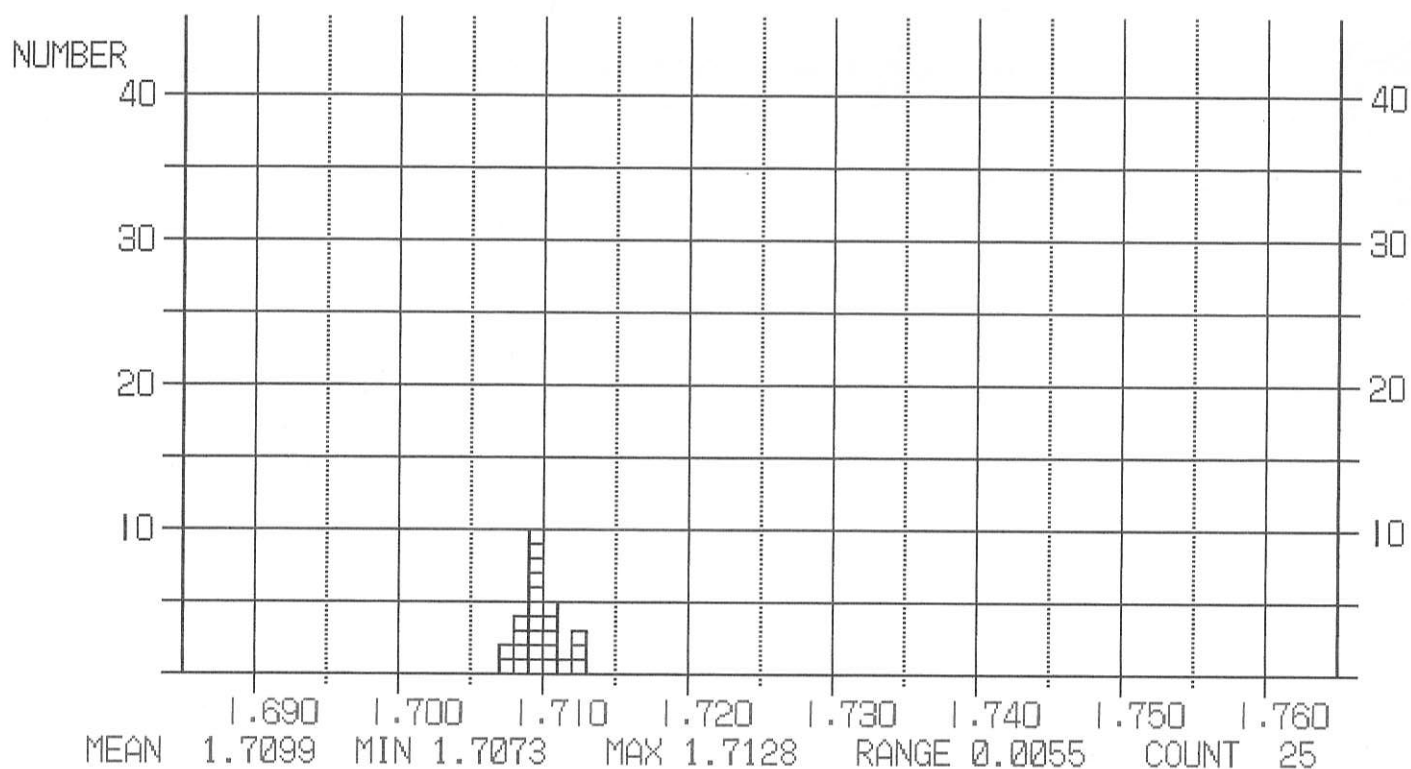
1.7044	1.7027	1.7021	1.7024	1.7024	1.7025	1.7030	1.7035
1.7023	1.7018	1.7027	1.7027	1.7034	1.7039	1.7027	1.7029
1.7036	1.7031	1.7029	1.7025	1.7039	1.7034	1.7030	1.7040
1.7047							

***** REFRACTIVE INDEX *****

Pyroxene

SAMPLE NAME : KAT26170

LOCALITY : KAT2 61.7



DATA LIST

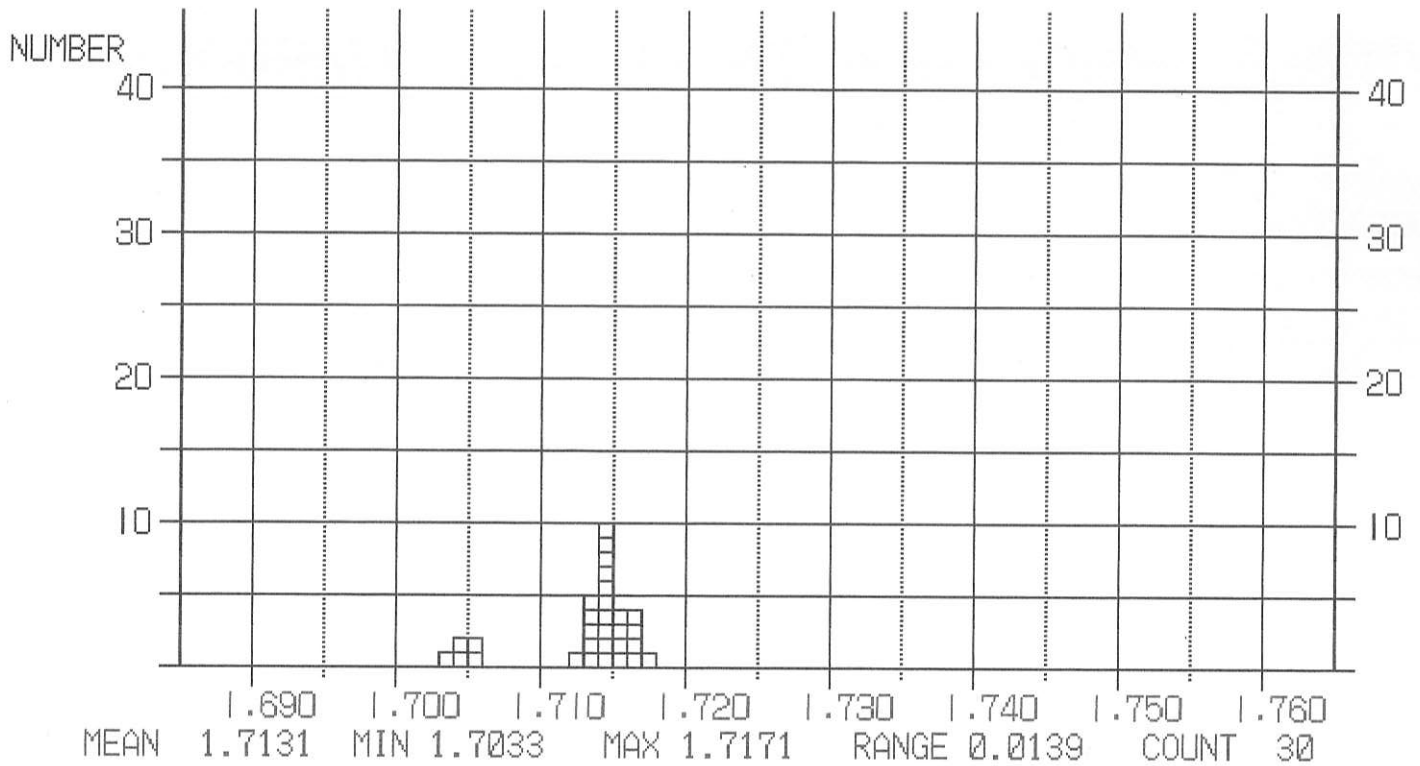
1.7128	1.7124	1.7125	1.7107	1.7101	1.7100	1.7099	1.7088
1.7073	1.7078	1.7086	1.7092	1.7096	1.7094	1.7089	1.7094
1.7105	1.7111	1.7094	1.7088	1.7103	1.7095	1.7099	1.7103
1.7100							

***** REFRACTIVE INDEX *****

Pyroxene

SAMPLE NAME : KAT26400

LOCALITY : KAT2 64.0

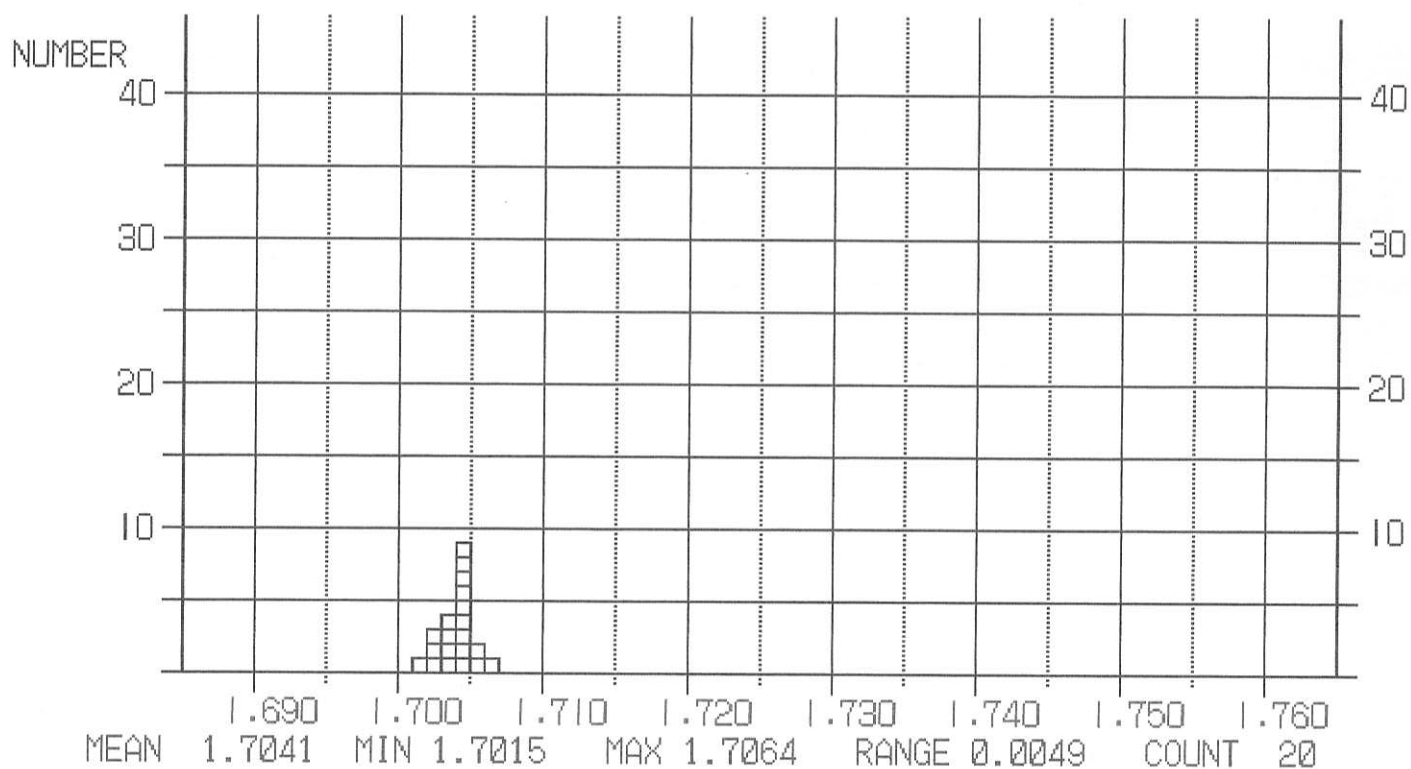


DATA LIST

1.7171	1.7168	1.7158	1.7147	1.7140	1.7140	1.7144	1.7149
1.7156	1.7168	1.7161	1.7158	1.7148	1.7126	1.7131	1.7141
1.7164	1.7149	1.7135	1.7142	1.7154	1.7147	1.7141	1.7141
1.7134	1.7051	1.7041	1.7050	1.7042	1.7033		

***** REFRACTIVE INDEX *****
 SAMPLE NAME : KAT26450 LOCALITY : KAT2 64.5

Pyroxene



DATA LIST

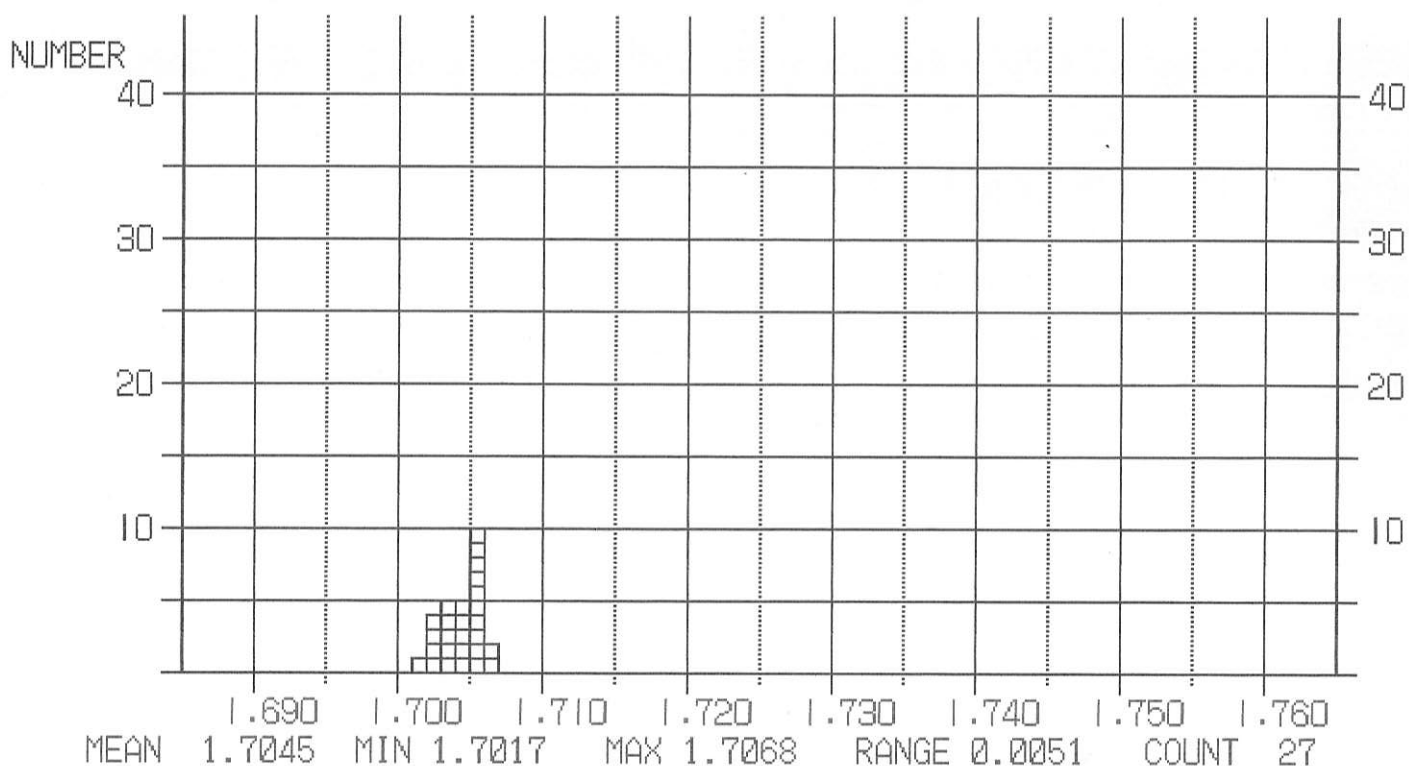
1.7064	1.7044	1.7042	1.7035	1.7039	1.7047	1.7021	1.7046
1.7038	1.7024	1.7021	1.7034	1.7041	1.7045	1.7048	1.7058
1.7059	1.7049	1.7015	1.7049				

***** REFRACTIVE INDEX *****

Pyroxene

SAMPLE NAME : KAT26630

LOCALITY : KAT2 66.3



DATA LIST

1.7054	1.7050	1.7045	1.7051	1.7056	1.7061	1.7058	1.7054
1.7051	1.7054	1.7047	1.7047	1.7036	1.7033	1.7038	1.7059
1.7057	1.7028	1.7024	1.7024	1.7034	1.7040	1.7044	1.7068
1.7055	1.7017	1.7024					

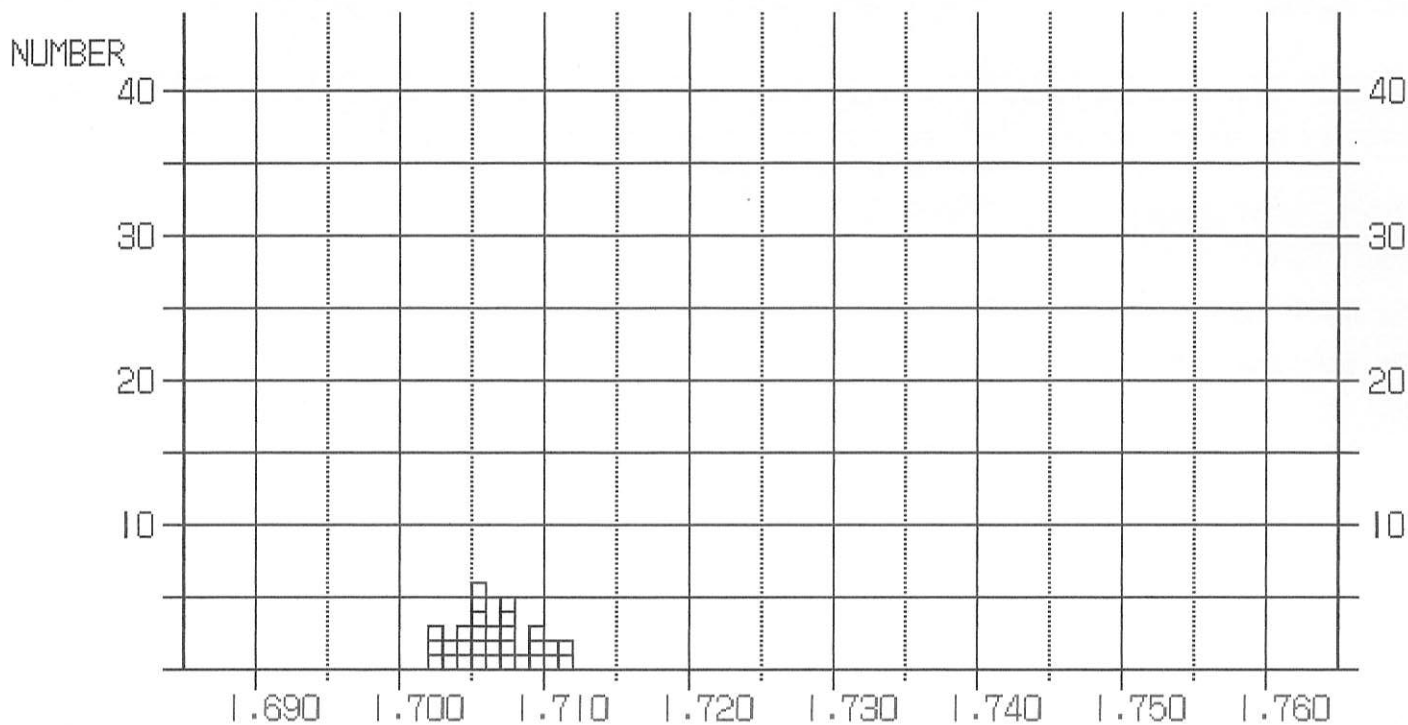
KA-3

***** REFRACTIVE INDEX *****

Pyroxene

SAMPLE NAME : KAT3160

LOCALITY : KAT3 1.6



MEAN 1.7067 MIN 1.7023 MAX 1.7115 RANGE 0.0092 COUNT 30

DATA LIST

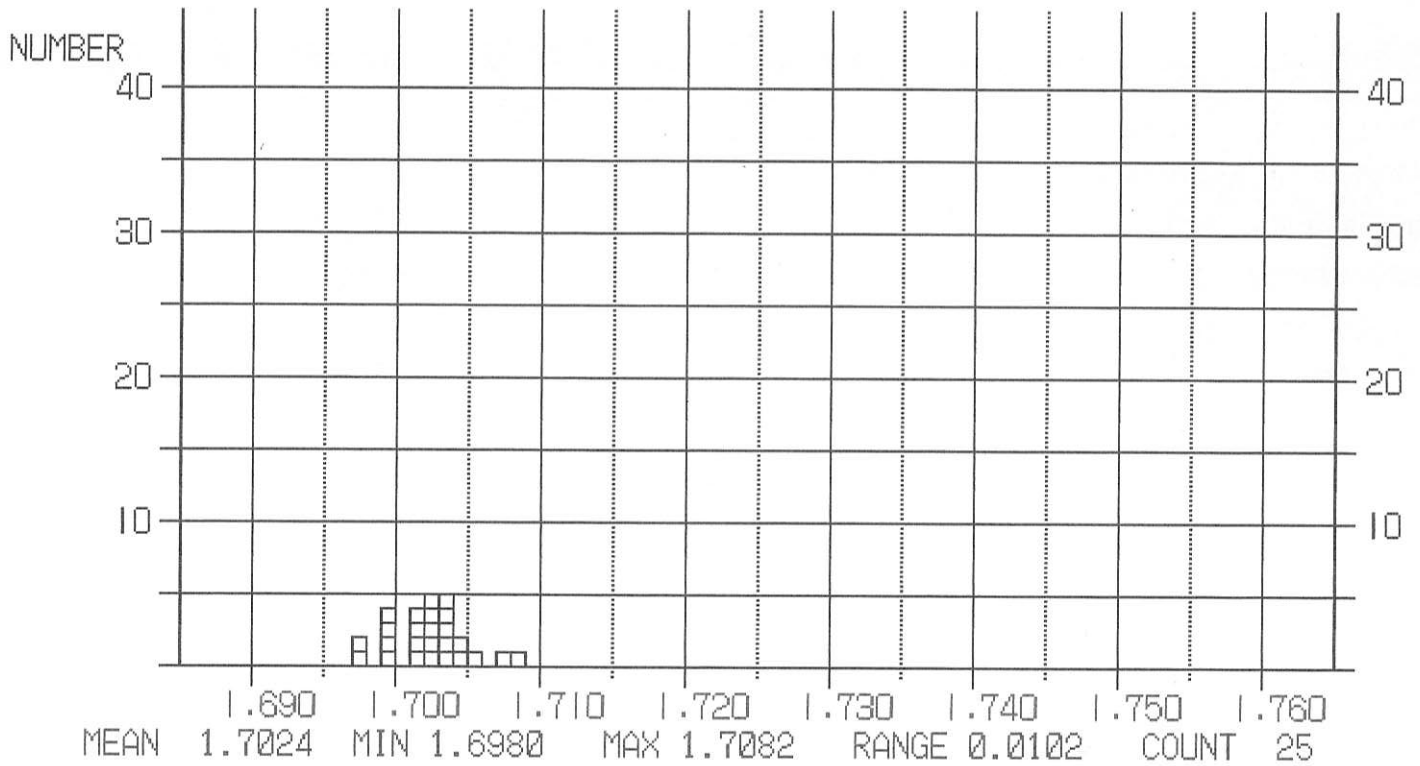
1.7115	1.7108	1.7097	1.7081	1.7100	1.7112	1.7077	1.7071
1.7066	1.7070	1.7098	1.7070	1.7057	1.7047	1.7056	1.7060
1.7075	1.7071	1.7065	1.7050	1.7049	1.7023	1.7025	1.7036
1.7050	1.7056	1.7048	1.7033	1.7025	1.7103		

***** REFRACTIVE INDEX *****

Pyroxene

SAMPLE NAME : KAT31500

LOCALITY : KAT3 15.0



DATA LIST

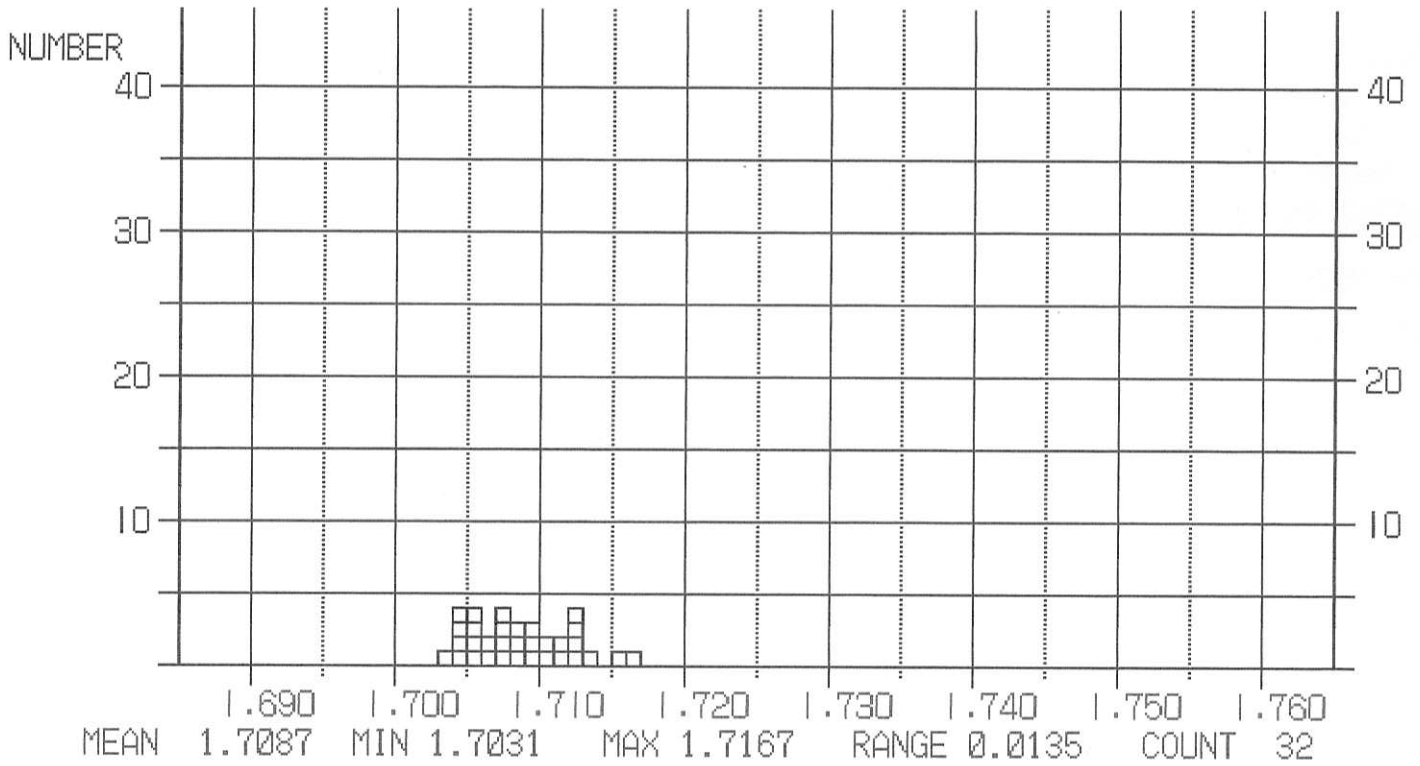
1.7077	1.7082	1.7049	1.7046	1.7055	1.7036	1.7026	1.7014
1.7015	1.7028	1.7030	1.7037	1.7032	1.6994	1.6992	1.7020
1.7023	1.7030	1.7028	1.6993	1.6980	1.7033	1.7016	1.6993
1.6980							

***** REFRACTIVE INDEX *****

Pyroxene

SAMPLE NAME : KAT39250

LOCALITY : KAT3 92.5



DATA LIST

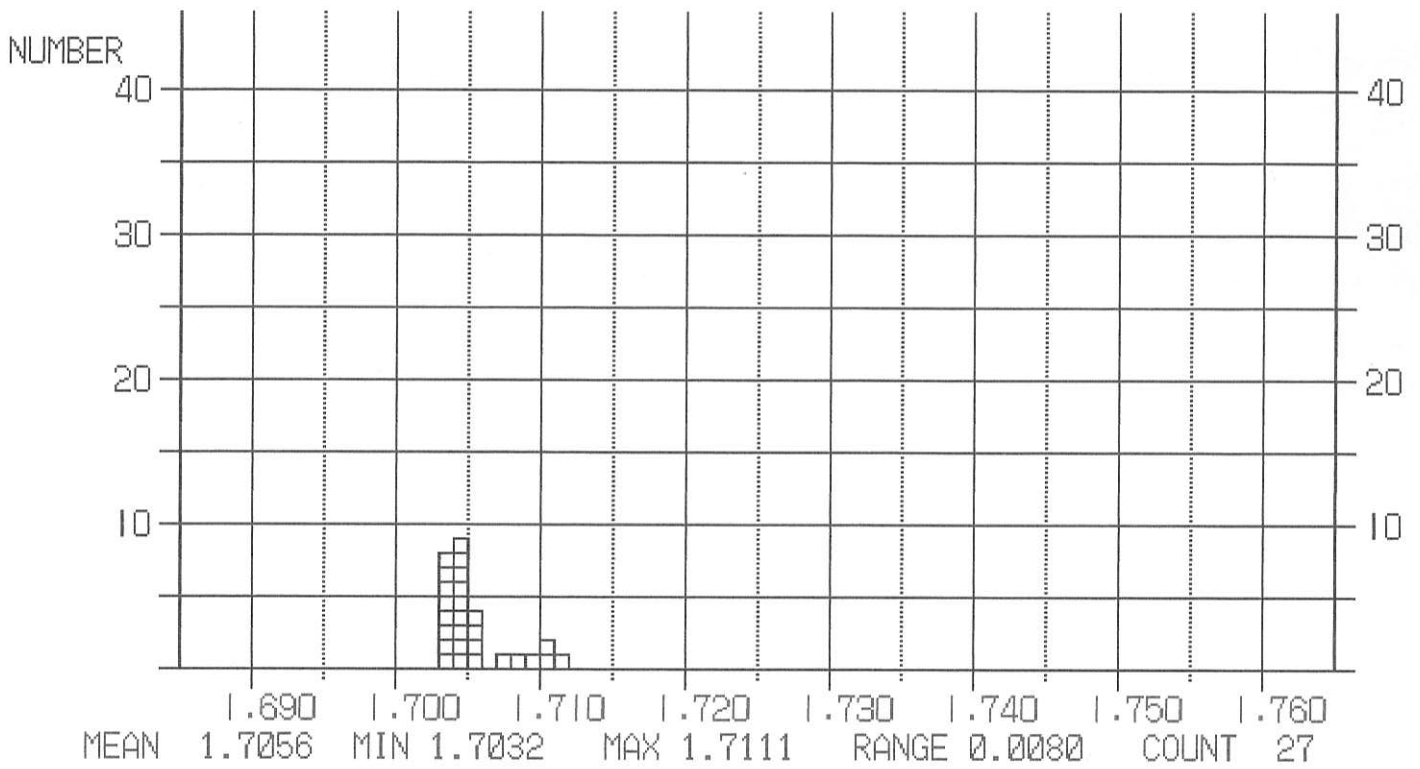
1.7135	1.7167	1.7126	1.7104	1.7092	1.7117	1.7125	1.7124
1.7102	1.7092	1.7086	1.7046	1.7044	1.7031	1.7058	1.7074
1.7079	1.7090	1.7080	1.7071	1.7050	1.7063	1.7084	1.7118
1.7095	1.7057	1.7058	1.7047	1.7062	1.7044	1.7122	1.7152

***** REFRACTIVE INDEX *****

Pyroxene

SAMPLE NAME : KAT39350

LOCALITY : KAT3 93.5



DATA LIST

1.7105	1.7049	1.7046	1.7055	1.7041	1.7032	1.7048	1.7086
1.7074	1.7060	1.7039	1.7047	1.7039	1.7041	1.7056	1.7047
1.7035	1.7040	1.7049	1.7060	1.7039	1.7044	1.7036	1.7036
1.7096	1.7111	1.7102					

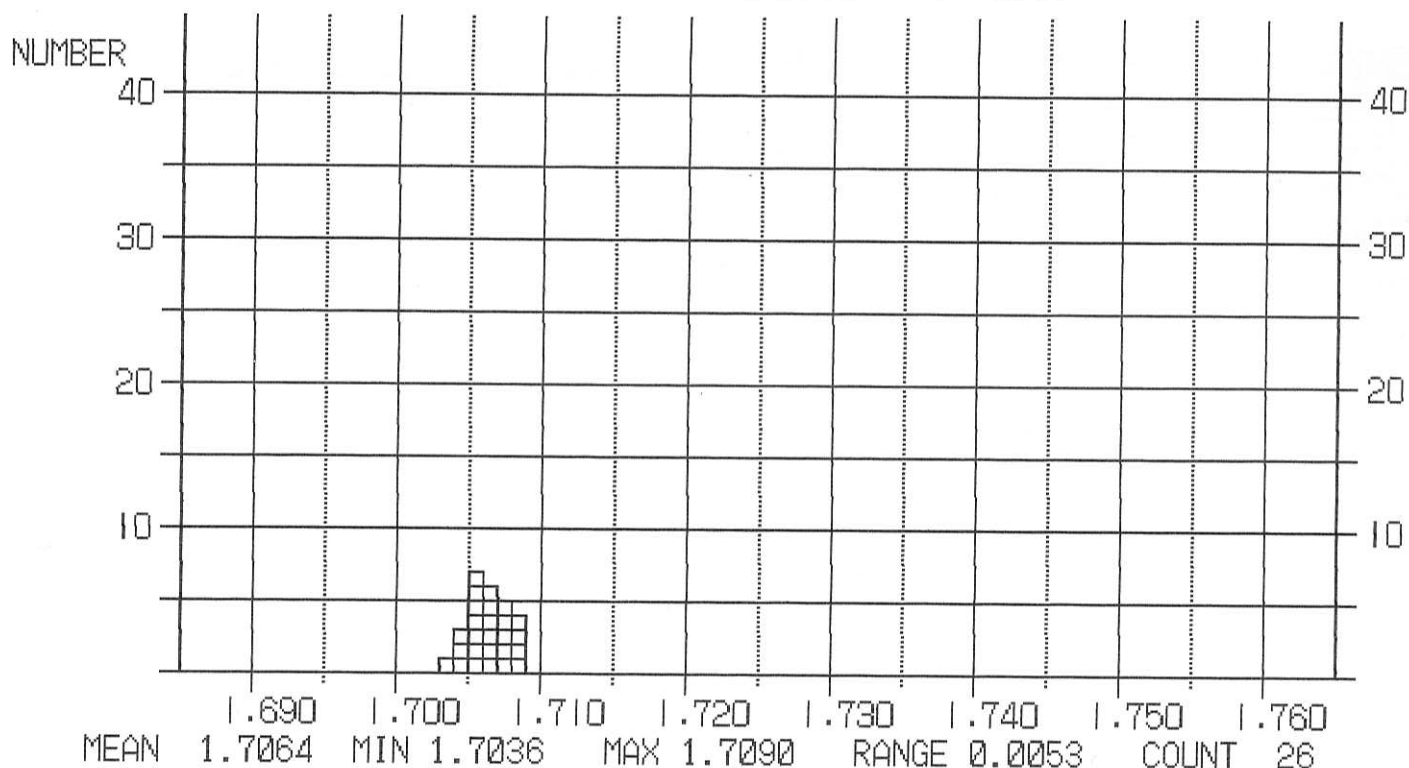
P1

***** REFRACTIVE INDEX *****

Pyroxene

SAMPLE NAME : P1070

LOCALITY : P1 0.7m



DATA LIST

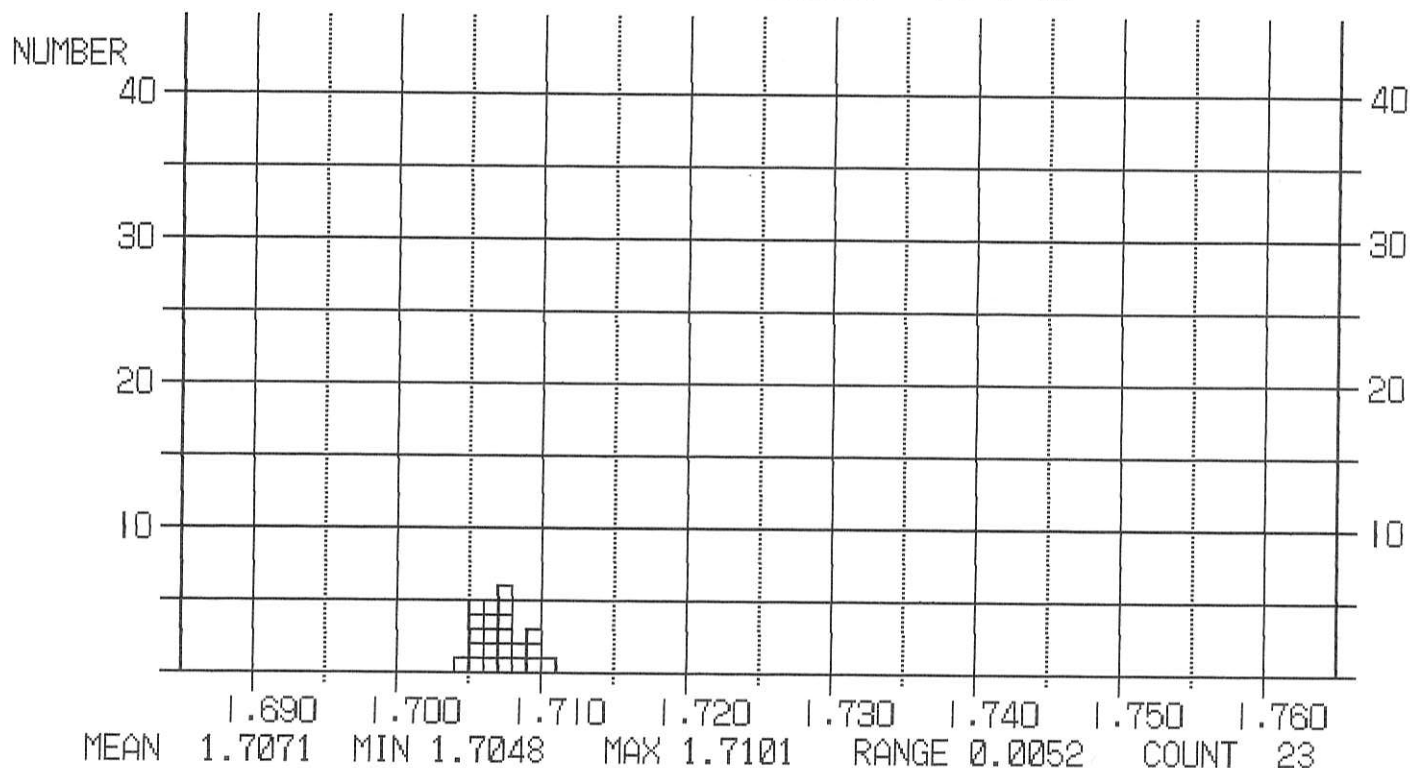
1.7078	1.7073	1.7078	1.7083	1.7087	1.7060	1.7056	1.7053
1.7051	1.7065	1.7068	1.7075	1.7081	1.7090	1.7052	1.7048
1.7055	1.7057	1.7062	1.7072	1.7067	1.7049	1.7043	1.7036
1.7067	1.7050						

***** REFRACTIVE INDEX *****

Pyroxene

SAMPLE NAME : P1100

LOCALITY : P1 1.0m



DATA LIST

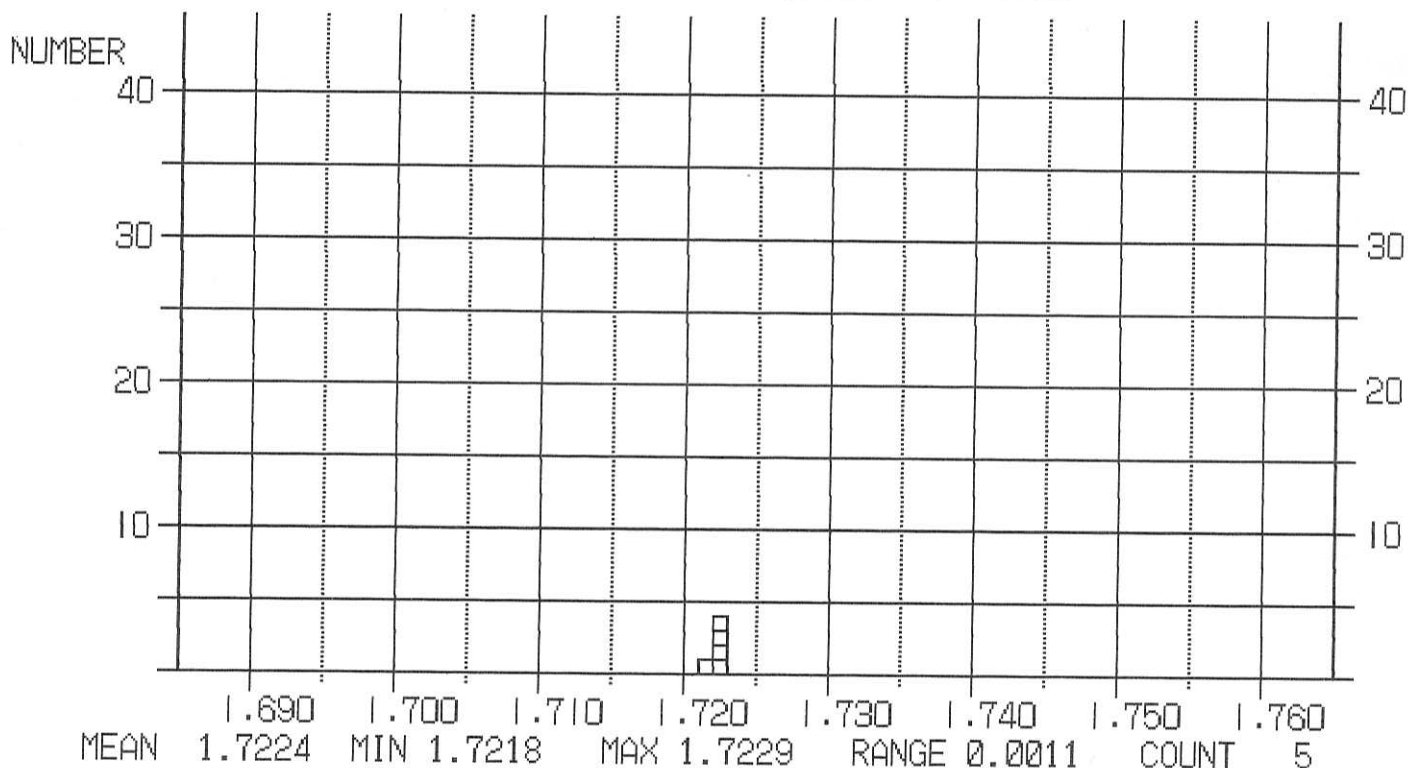
1.7101	1.7096	1.7084	1.7070	1.7050	1.7056	1.7077	1.7095
1.7062	1.7071	1.7075	1.7068	1.7072	1.7057	1.7051	1.7065
1.7082	1.7065	1.7073	1.7048	1.7056	1.7067	1.7091	

***** REFRACTIVE INDEX *****

Pyroxene

SAMPLE NAME : P1100S

LOCALITY : P1 1.0m



DATA LIST

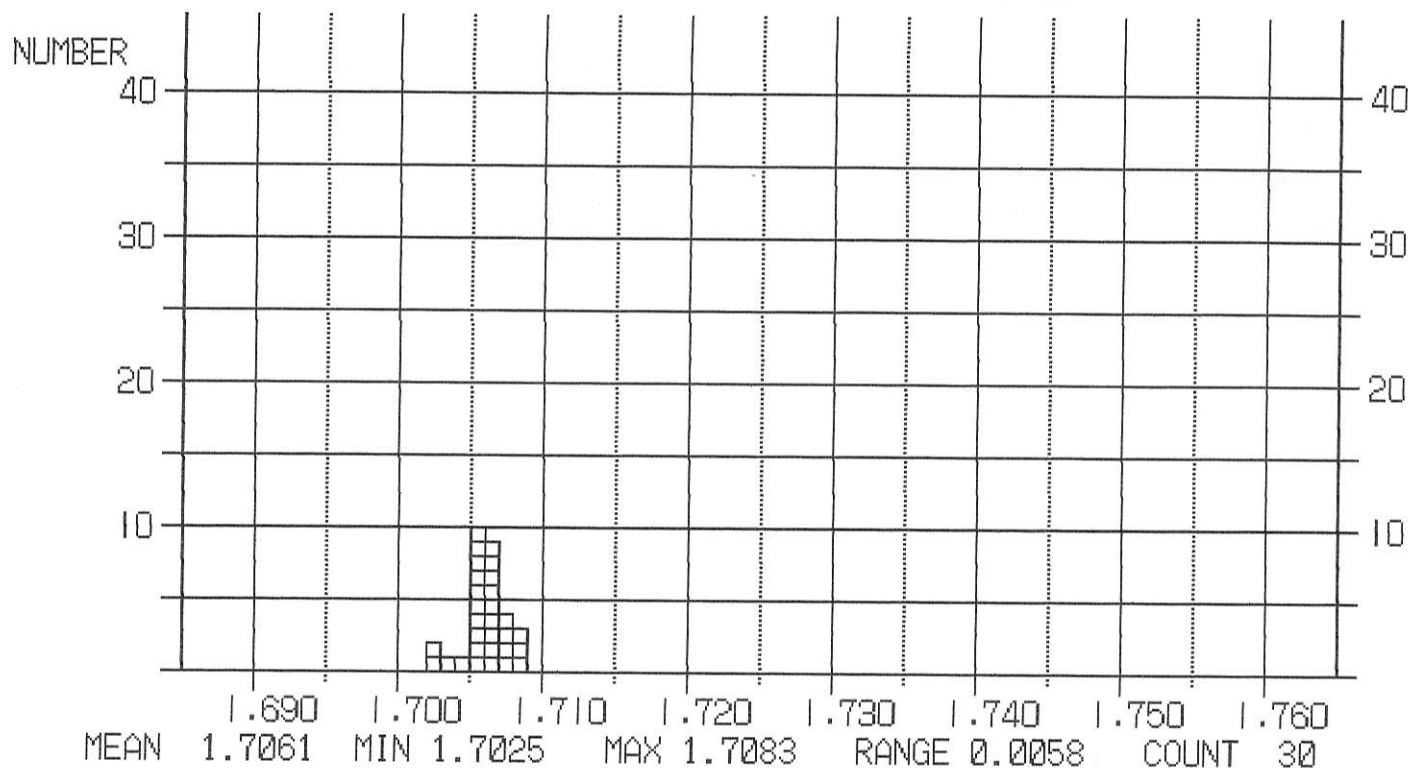
1.7227 1.7224 1.7221 1.7229 1.7218

***** REFRACTIVE INDEX *****

Pyroxene

SAMPLE NAME : P1110

LOCALITY : P1 1.1m



DATA LIST

1.7083	1.7080	1.7082	1.7079	1.7072	1.7069	1.7056	1.7053
1.7060	1.7067	1.7065	1.7049	1.7060	1.7070	1.7078	1.7076
1.7068	1.7058	1.7057	1.7061	1.7061	1.7059	1.7054	1.7060
1.7057	1.7060	1.7060	1.7032	1.7030	1.7025		

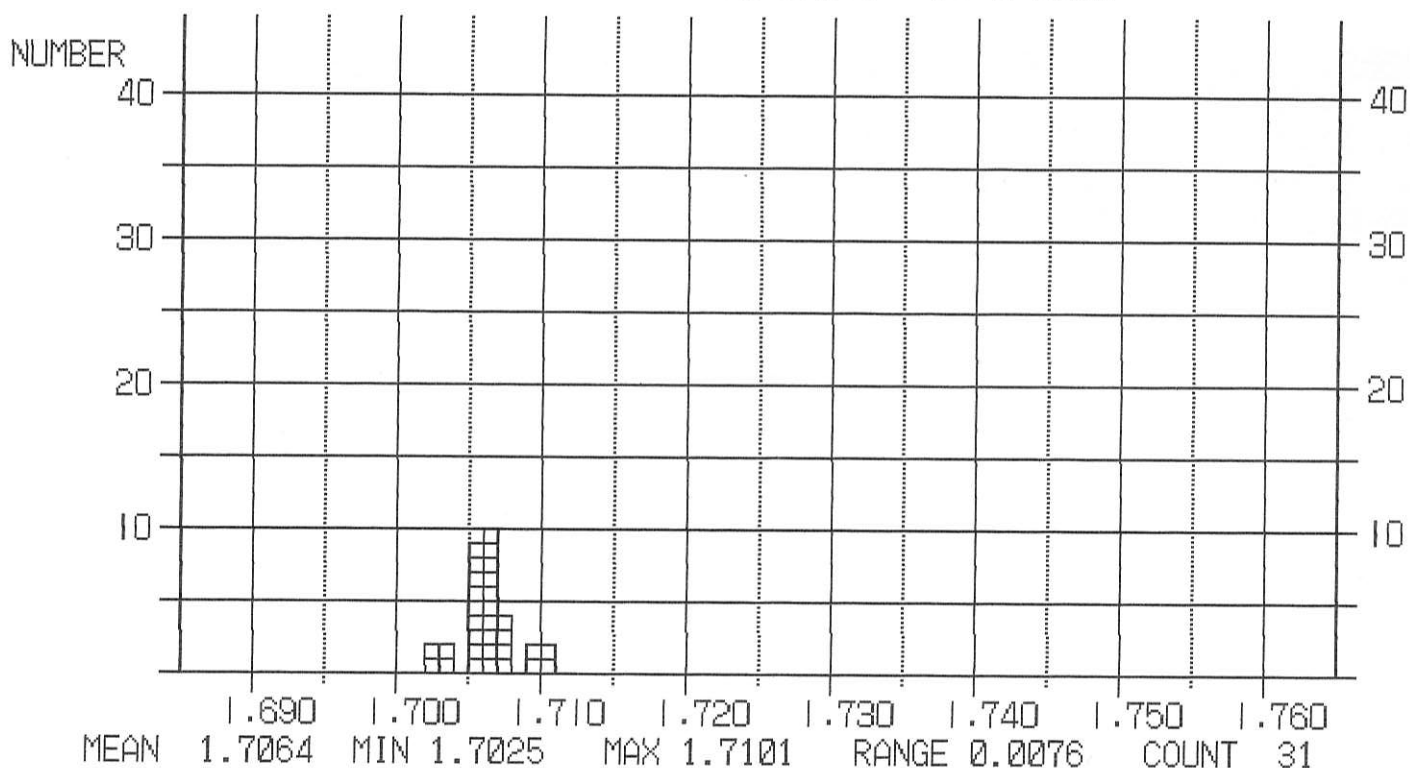
P3

***** REFRACTIVE INDEX *****

Pyroxene

SAMPLE NAME : P32020

LOCALITY : P3-2 0.2m



DATA LIST

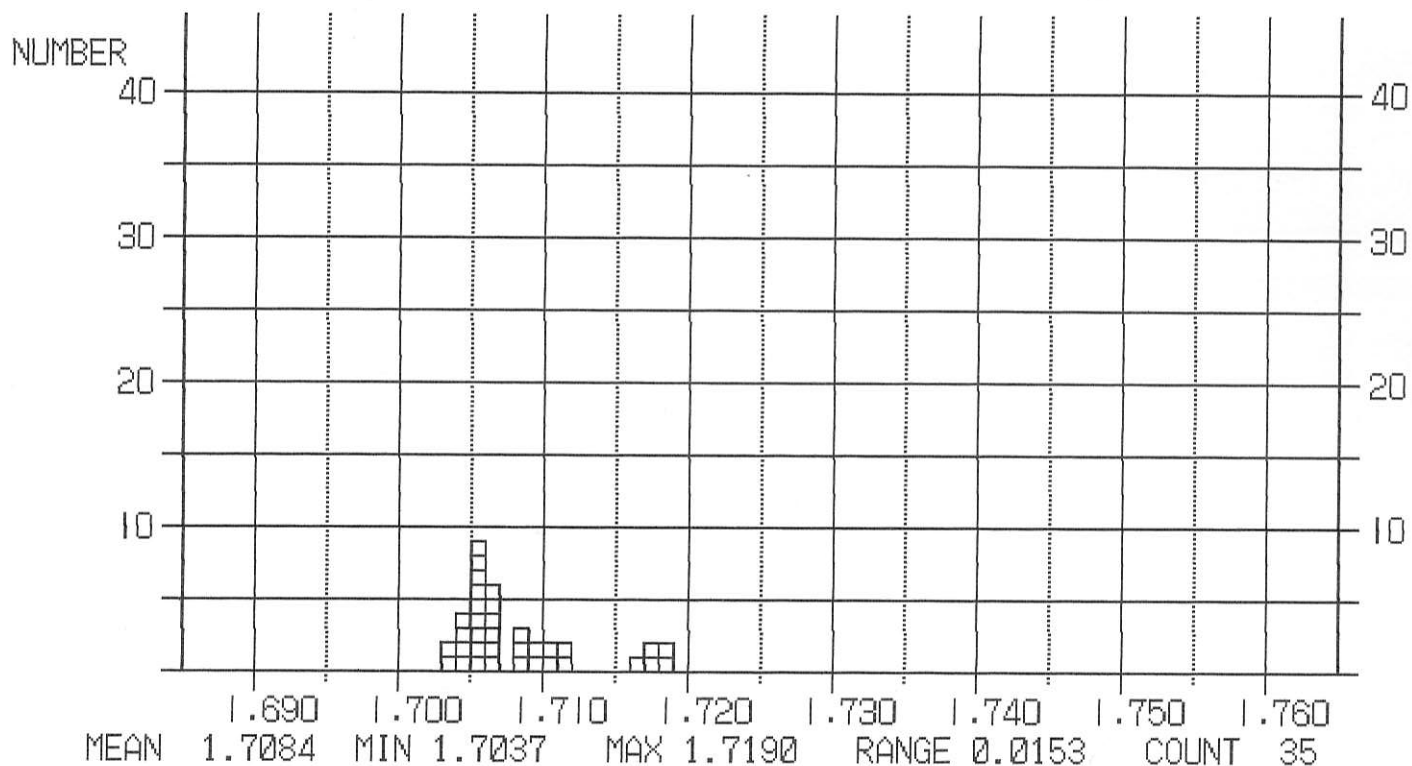
1.7101	1.7096	1.7100	1.7067	1.7064	1.7060	1.7061	1.7069
1.7059	1.7059	1.7063	1.7069	1.7065	1.7065	1.7059	1.7053
1.7059	1.7079	1.7101	1.7034	1.7028	1.7025	1.7038	1.7062
1.7071	1.7077	1.7076	1.7052	1.7052	1.7060	1.7065	

***** REFRACTIVE INDEX *****

Pyroxene

SAMPLE NAME : P32090

LOCALITY : P3-2 0.9m



DATA LIST

1.7190	1.7176	1.7187	1.7109	1.7066	1.7062	1.7062	1.7060
1.7039	1.7037	1.7040	1.7053	1.7059	1.7065	1.7089	1.7086
1.7063	1.7043	1.7046	1.7056	1.7054	1.7052	1.7177	1.7170
1.7117	1.7112	1.7094	1.7088	1.7097	1.7101	1.7059	1.7041
1.7056	1.7051	1.7069					

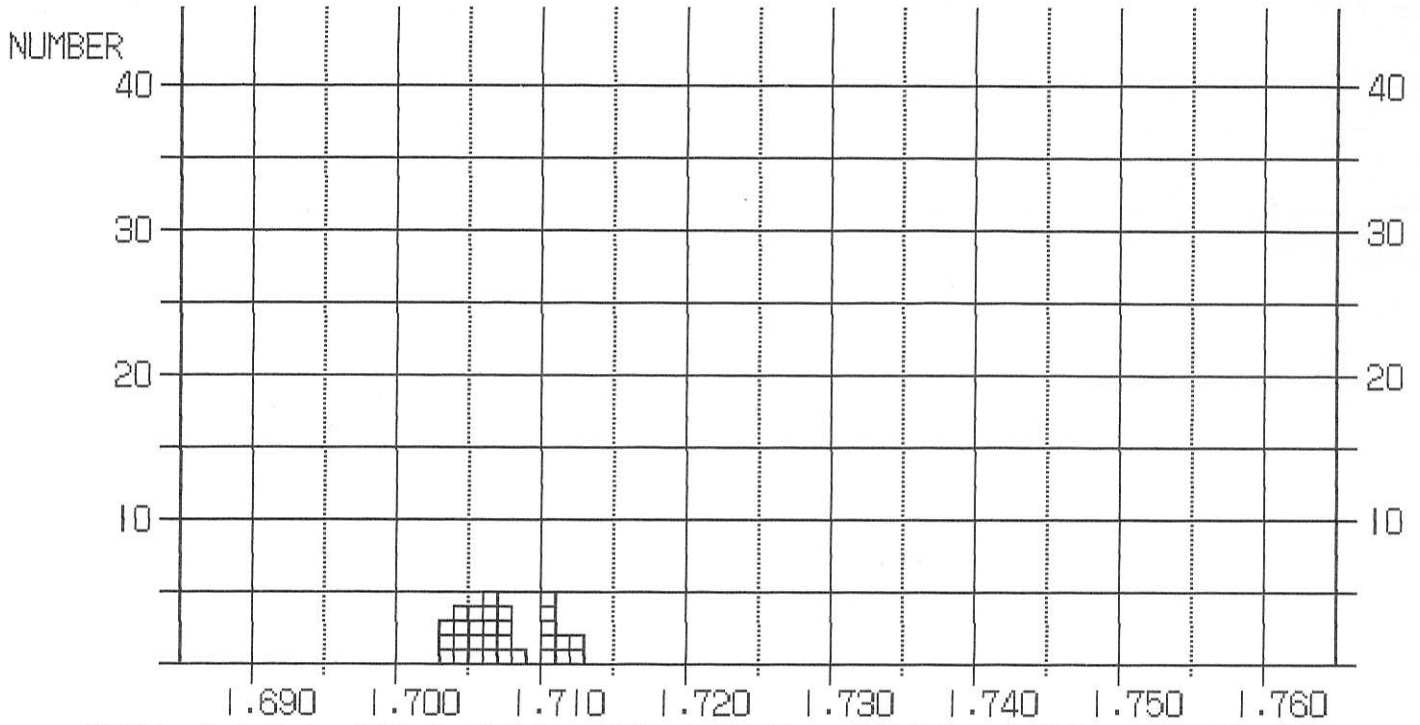
P4

***** REFRACTIVE INDEX *****

Pyroxene

SAMPLE NAME : P2D110

LOCALITY : P2' 1.1



MEAN 1.7074 MIN 1.7033 MAX 1.7129 RANGE 0.0096 COUNT 30

DATA LIST

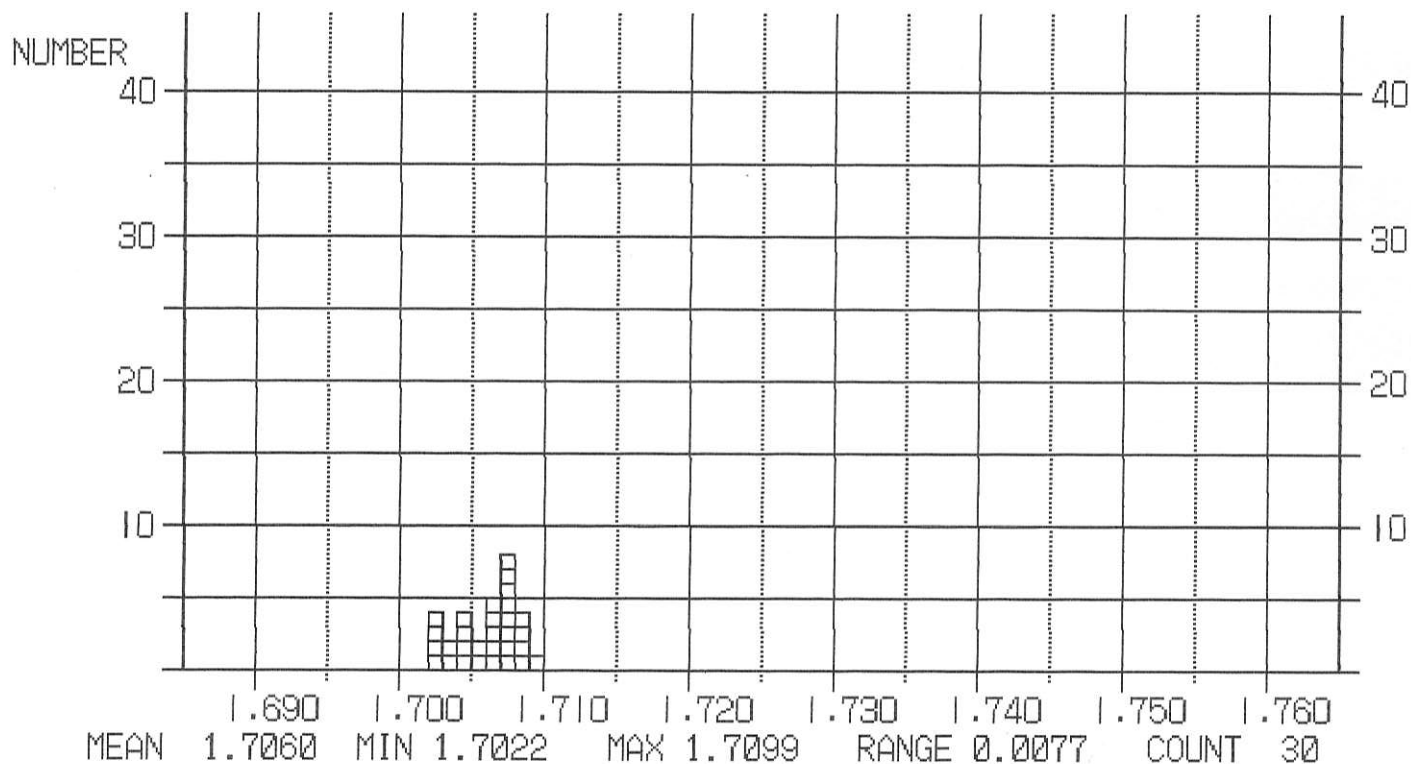
1.7056	1.7051	1.7044	1.7055	1.7073	1.7077	1.7082	1.7104
1.7112	1.7115	1.7103	1.7071	1.7069	1.7069	1.7074	1.7036
1.7033	1.7037	1.7045	1.7055	1.7060	1.7067	1.7061	1.7045
1.7041	1.7108	1.7109	1.7126	1.7129	1.7106		

***** REFRACTIVE INDEX *****

Pyroxene

SAMPLE NAME : P2D150

LOCALITY : P2' 1.5



DATA LIST

1.7073	1.7045	1.7048	1.7073	1.7077	1.7080	1.7081	1.7076
1.7062	1.7064	1.7072	1.7056	1.7037	1.7031	1.7022	1.7028
1.7028	1.7024	1.7049	1.7064	1.7080	1.7084	1.7099	1.7085
1.7045	1.7054	1.7072	1.7065	1.7076	1.7060		

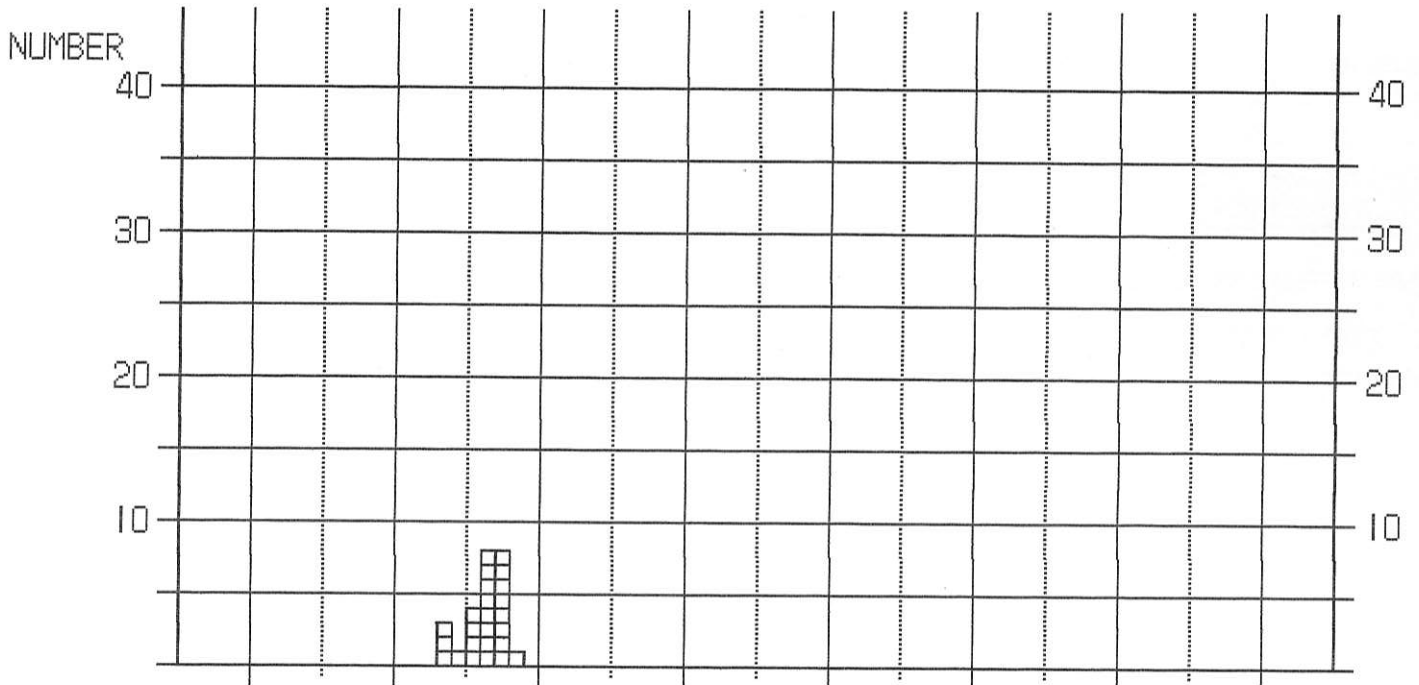
P5

***** REFRACTIVE INDEX *****

Pyroxene

SAMPLE NAME : P2-20

LOCALITY : P2-2



MEAN 1.7063 MIN 1.7031 MAX 1.7087 RANGE 0.0055 COUNT 25

DATA LIST

1.7074	1.7066	1.7063	1.7058	1.7060	1.7064	1.7075	1.7080
1.7076	1.7074	1.7066	1.7062	1.7059	1.7069	1.7075	1.7040
1.7047	1.7065	1.7072	1.7050	1.7035	1.7080	1.7087	1.7056
1.7031							

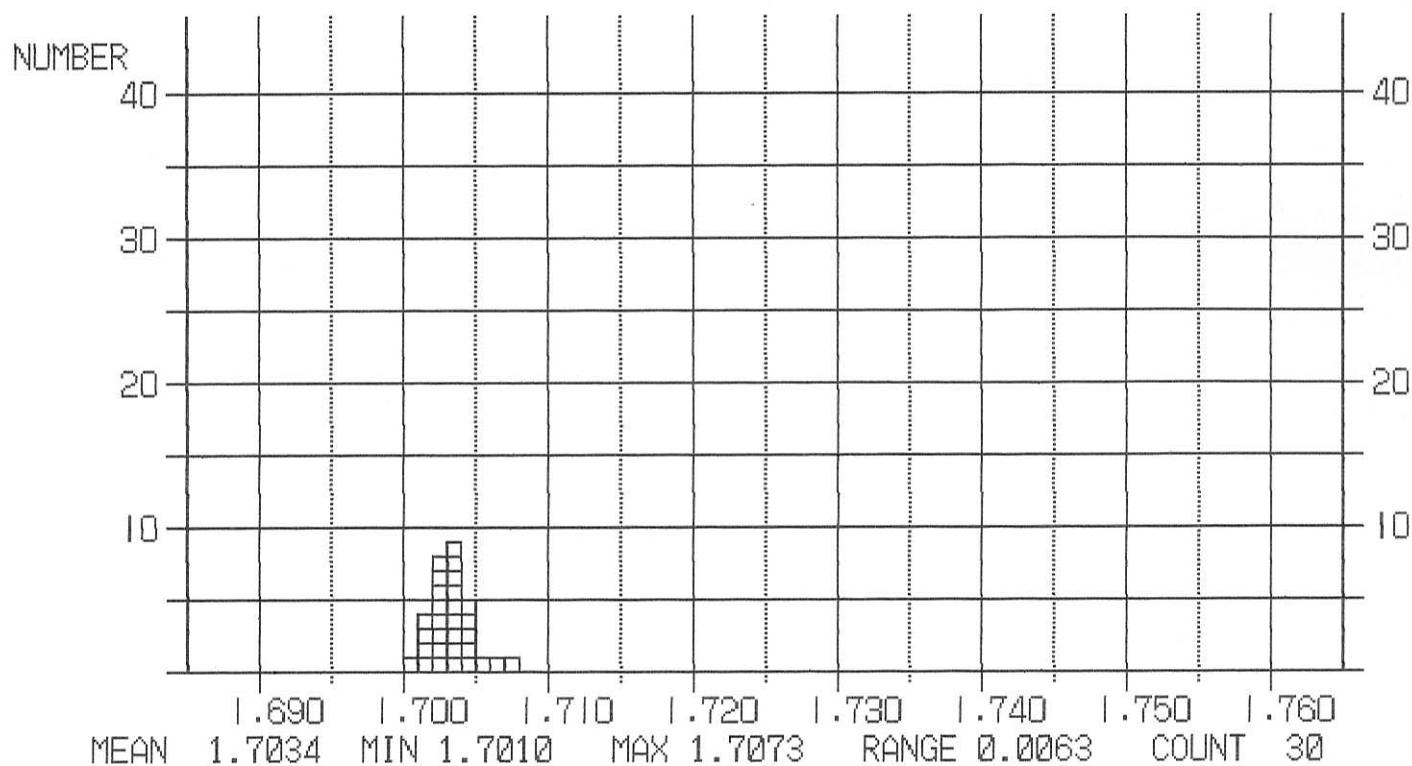
1.750 下 5.7.7

L1-1

***** REFRACTIVE INDEX *****

SAMPLE NAME : LI18200

LOCALITY : LI-1 820



DATA LIST

1.7045	1.7042	1.7039	1.7033	1.7047	1.7073	1.7025	1.7012
1.7014	1.7027	1.7038	1.7043	1.7039	1.7032	1.7062	1.7037
1.7027	1.7021	1.7033	1.7027	1.7019	1.7034	1.7054	1.7042
1.7028	1.7028	1.7039	1.7028	1.7016	1.7010		

5.1.3.角閃石

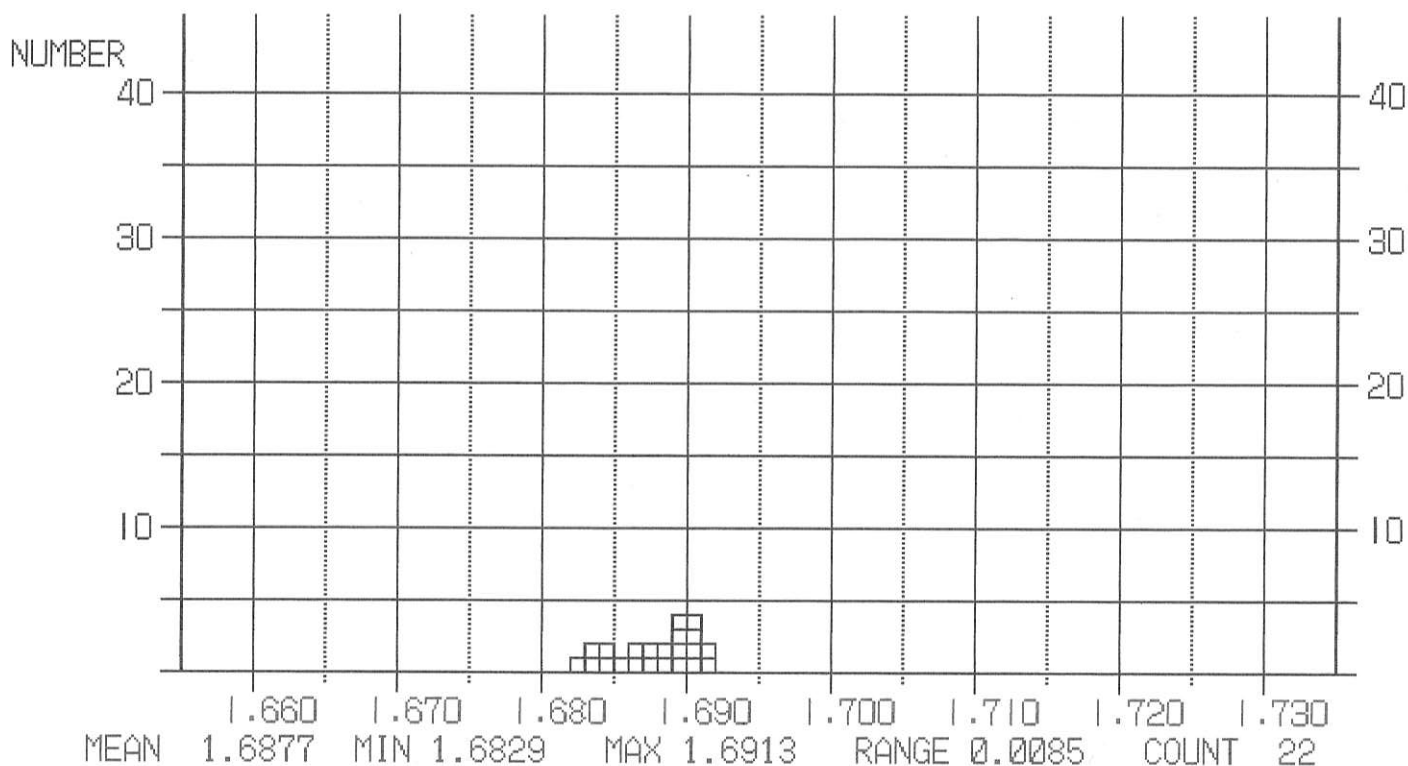
KA-2

***** REFRACTIVE INDEX *****

Hornblend

SAMPLE NAME : KAT295H

LOCALITY : KAT2 9.5



DATA LIST

1.6912	1.6907	1.6903	1.6913	1.6905	1.6896	1.6866	1.6862
1.6881	1.6886	1.6893	1.6900	1.6902	1.6897	1.6877	1.6871
1.6850	1.6840	1.6837	1.6829	1.6844	1.6833		

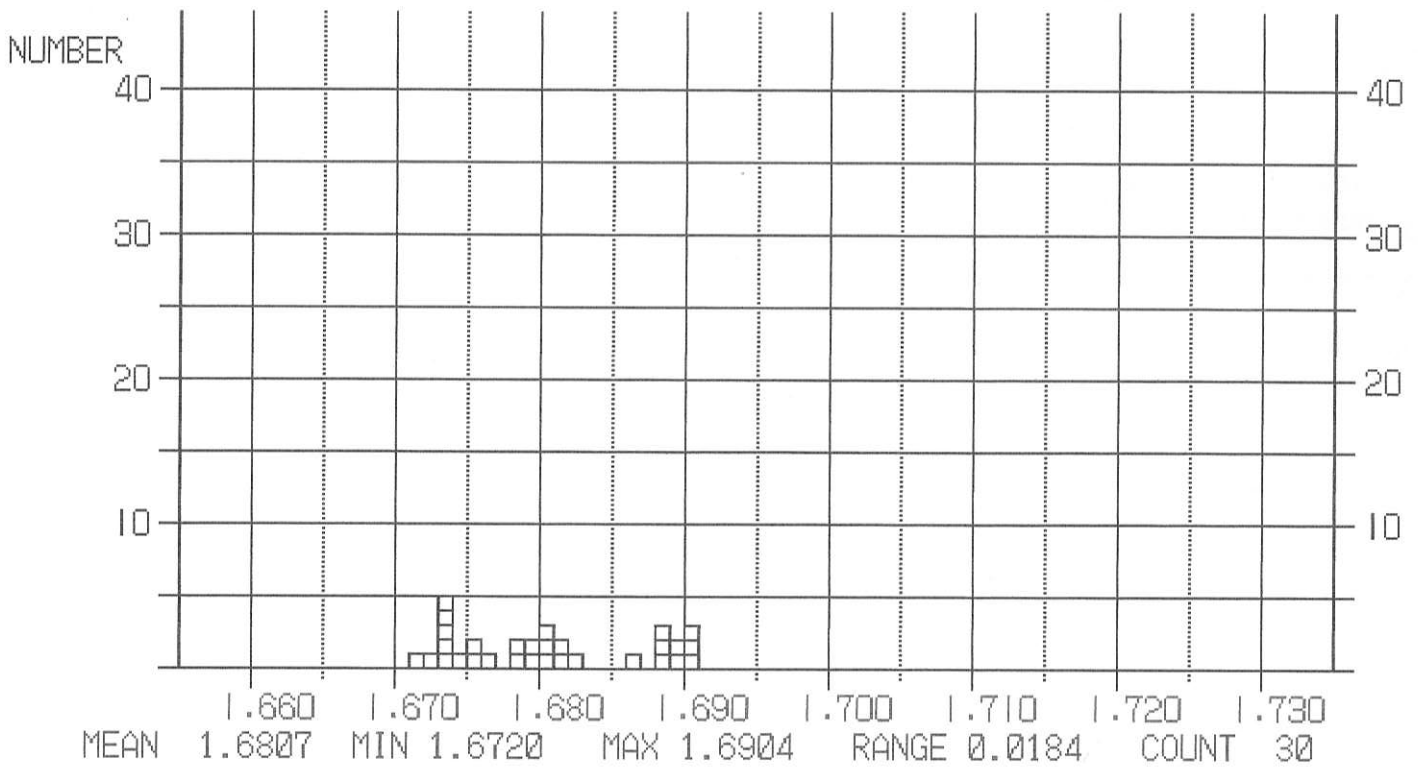
ASO-4? 3粒子

***** REFRACTIVE INDEX *****

Hornblend

SAMPLE NAME : KAT2170H

LOCALITY : KAT2 17.0



DATA LIST

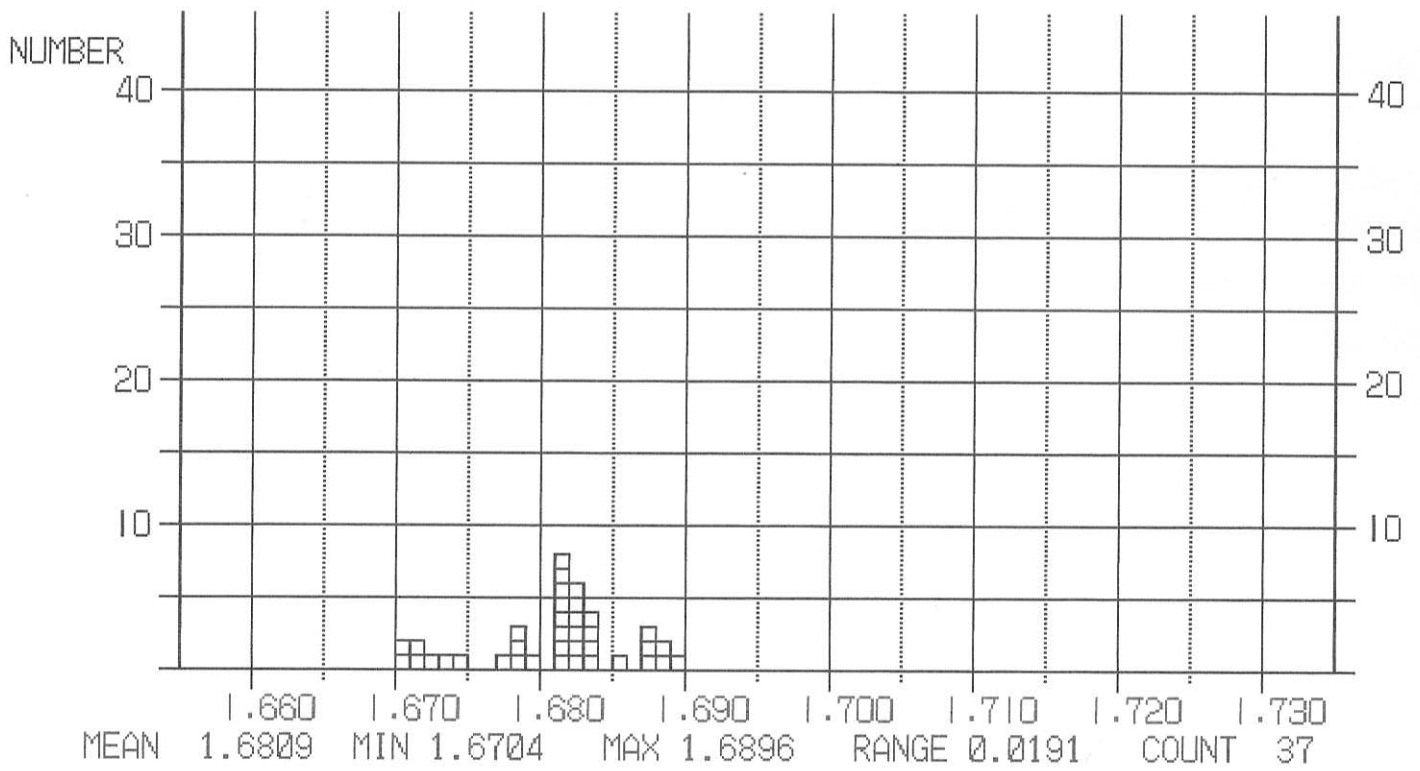
1.6787	1.6796	1.6799	1.6804	1.6820	1.6810	1.6806	1.6786
1.6767	1.6745	1.6734	1.6720	1.6732	1.6739	1.6751	1.6734
1.6723	1.6738	1.6752	1.6818	1.6828	1.6862	1.6897	1.6893
1.6889	1.6885	1.6903	1.6904	1.6901	1.6885		

***** REFRACTIVE INDEX *****

Hornblend

SAMPLE NAME : KAT2190H

LOCALITY : KAT2 19.0



DATA LIST

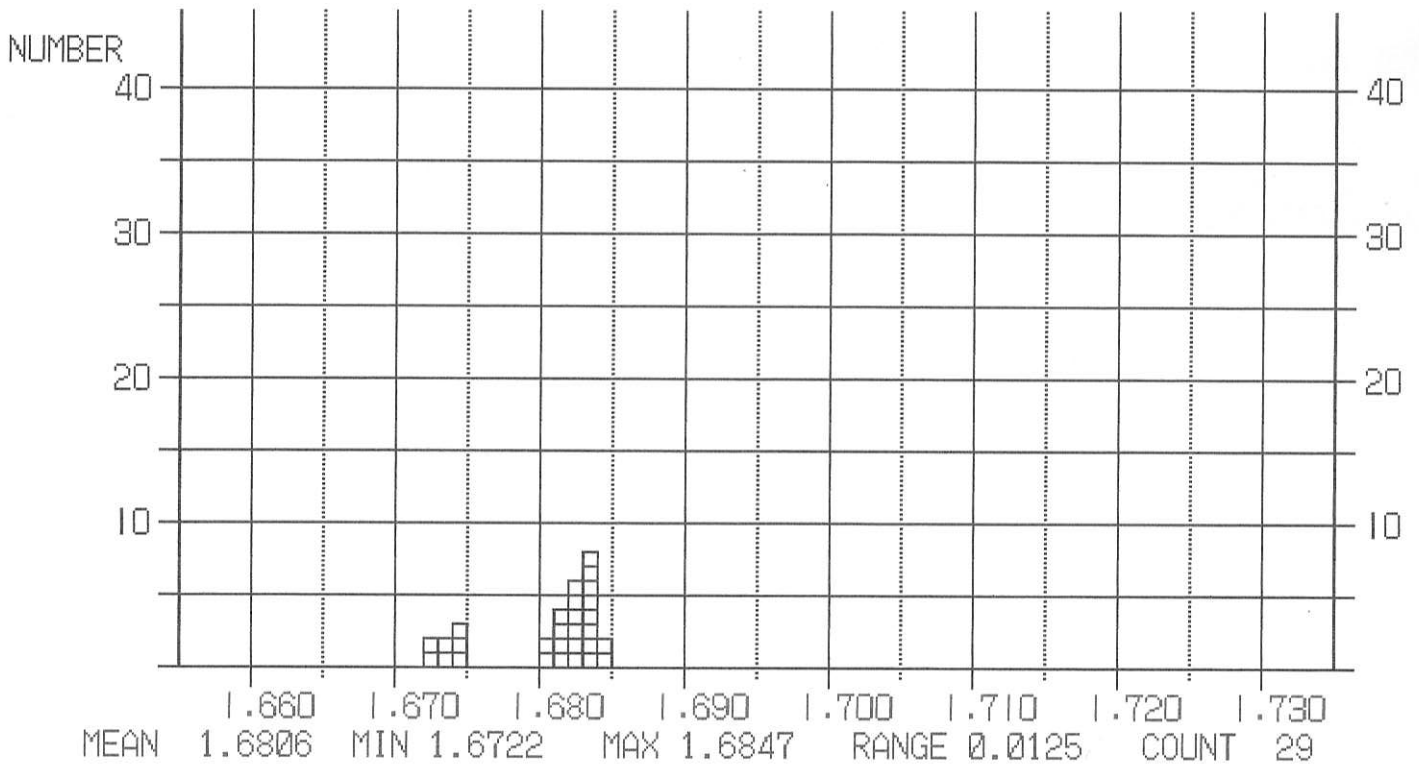
1.6886	1.6877	1.6896	1.6882	1.6873	1.6839	1.6835	1.6830
1.6825	1.6818	1.6822	1.6828	1.6833	1.6836	1.6827	1.6817
1.6812	1.6815	1.6816	1.6827	1.6819	1.6817	1.6797	1.6789
1.6781	1.6771	1.6734	1.6721	1.6709	1.6704	1.6719	1.6748
1.6715	1.6782	1.6816	1.6877	1.6857			

***** REFRACTIVE INDEX *****

Hornblend

SAMPLE NAME : KAT2235H

LOCALITY : KAT2 23.5



DATA LIST

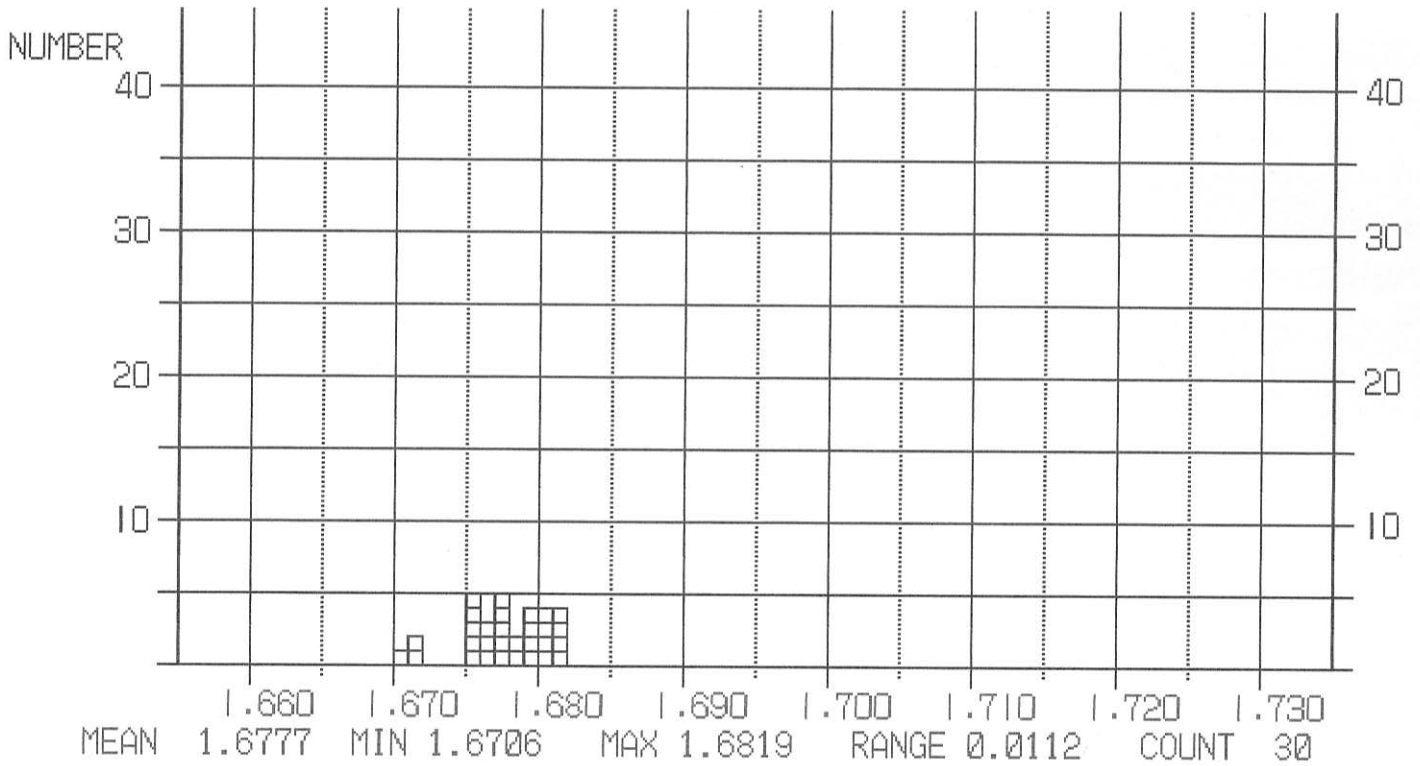
1.6820	1.6829	1.6840	1.6830	1.6844	1.6847	1.6840	1.6839
1.6838	1.6838	1.6838	1.6832	1.6829	1.6825	1.6822	1.6810
1.6809	1.6818	1.6819	1.6826	1.6823	1.6807	1.6748	1.6735
1.6728	1.6741	1.6742	1.6722	1.6738			

***** REFRACTIVE INDEX *****

Hornblend

SAMPLE NAME : KAT2640H

LOCALITY : KAT2 64.0



DATA LIST

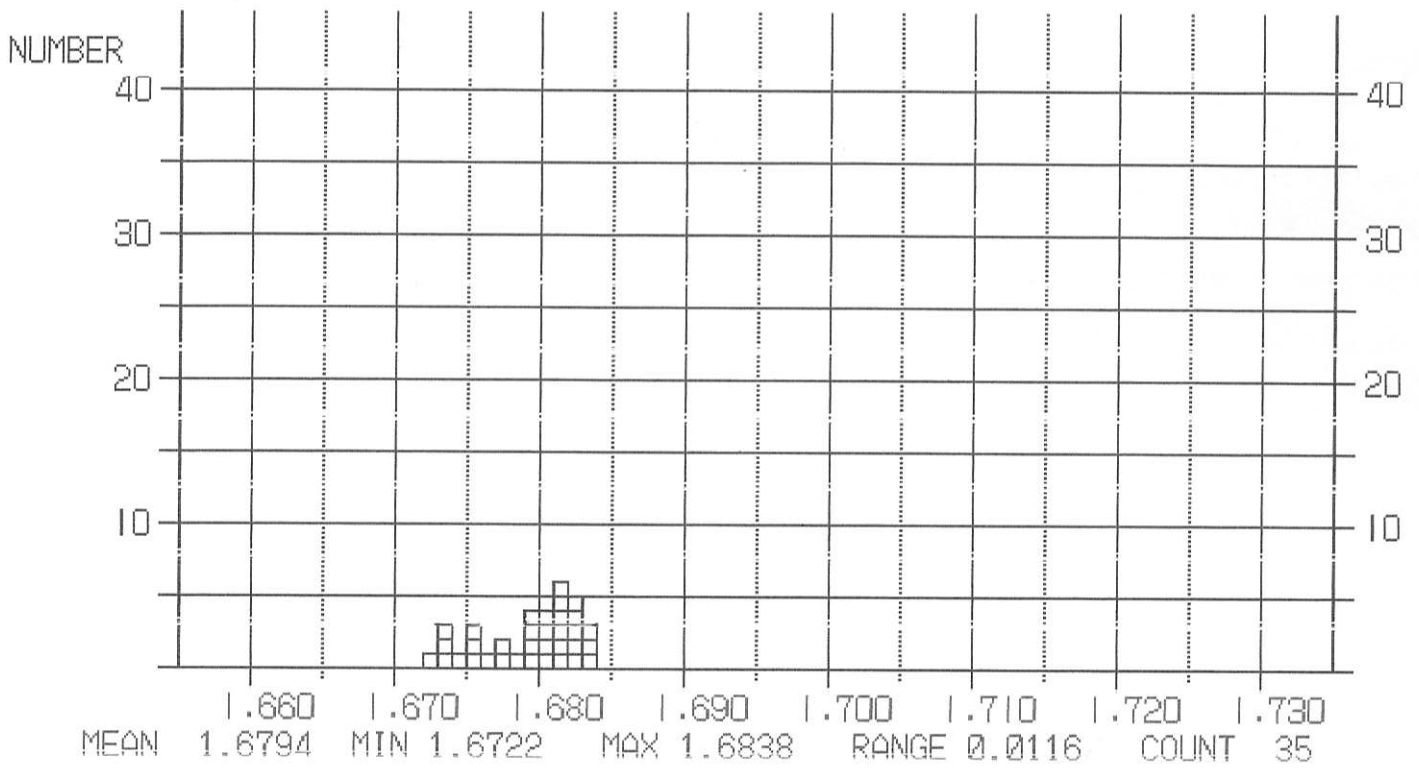
1.6819	1.6812	1.6805	1.6801	1.6793	1.6755	1.6756	1.6765
1.6771	1.6777	1.6765	1.6760	1.6757	1.6773	1.6775	1.6778
1.6790	1.6793	1.6798	1.6812	1.6814	1.6809	1.6800	1.6792
1.6789	1.6769	1.6760	1.6710	1.6706	1.6711		

***** REFRACTIVE INDEX *****

Hornblend

SAMPLE NAME : KAT2645H

LOCALITY : KAT2 64.5



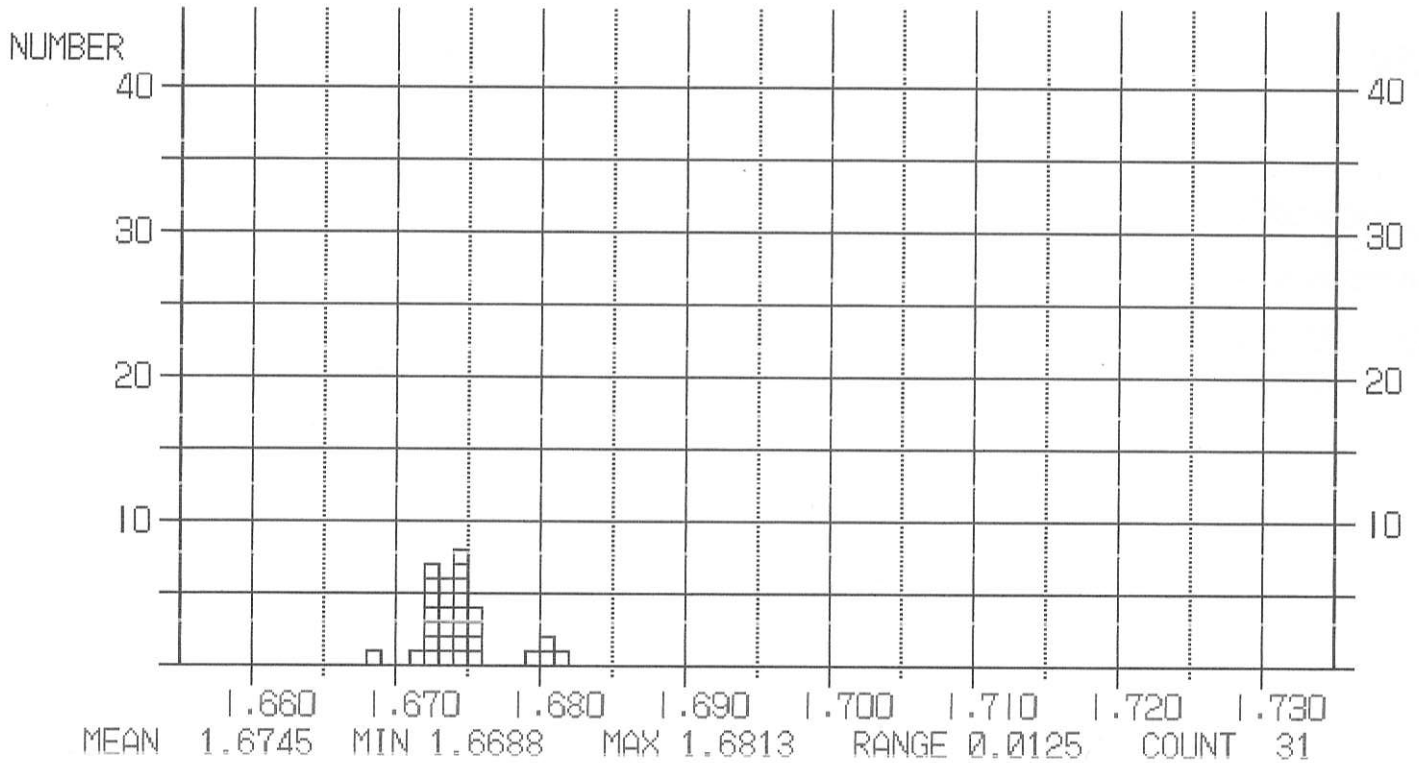
DATA LIST

1.6833	1.6828	1.6819	1.6815	1.6797	1.6797	1.6800	1.6820
1.6823	1.6820	1.6817	1.6806	1.6770	1.6775	1.6770	1.6735
1.6730	1.6722	1.6734	1.6753	1.6758	1.6791	1.6799	1.6802
1.6818	1.6824	1.6829	1.6838	1.6813	1.6804	1.6783	1.6747
1.6760	1.6806	1.6837					

KA-3

***** REFRACTIVE INDEX *****
 SAMPLE NAME : KAT310H LOCALITY : KAT3 1.0

Hornblend



DATA LIST

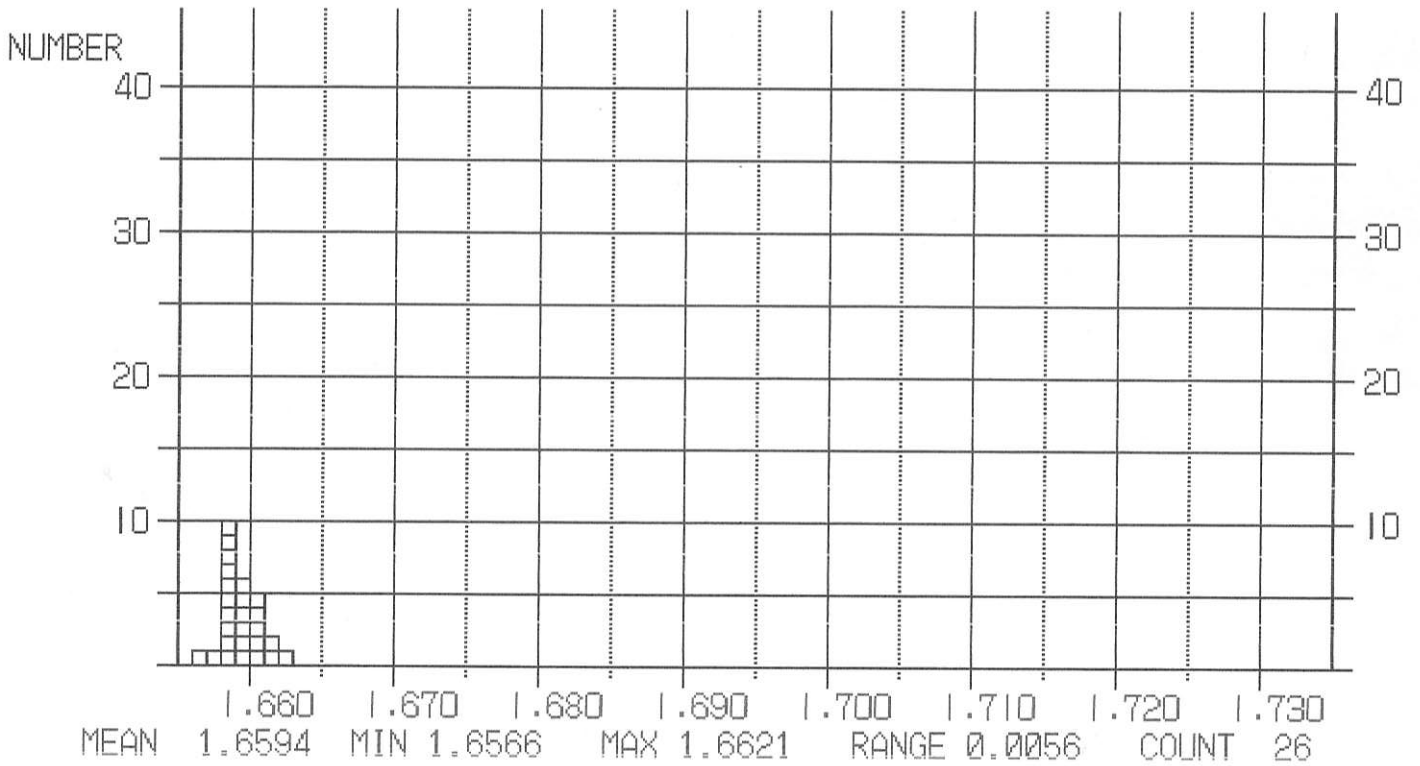
1.6799	1.6755	1.6750	1.6744	1.6742	1.6739	1.6729	1.6730
1.6738	1.6732	1.6722	1.6688	1.6735	1.6757	1.6749	1.6731
1.6741	1.6741	1.6753	1.6757	1.6728	1.6748	1.6722	1.6723
1.6714	1.6725	1.6746	1.6738	1.6804	1.6807	1.6813	

***** REFRACTIVE INDEX *****

SAMPLE NAME : KAT310C

LOCALITY : KAT3 1.0

Cum



DATA LIST

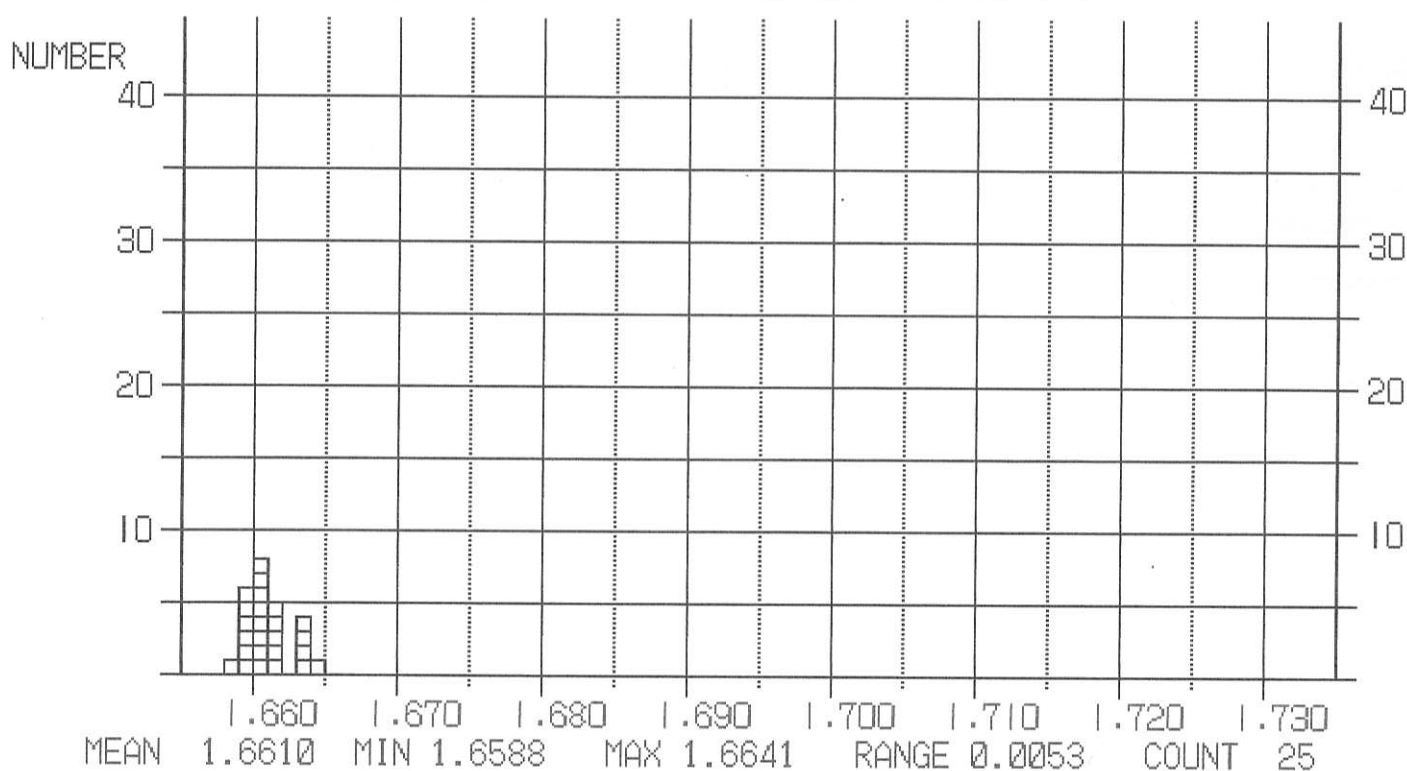
1.6598	1.6586	1.6575	1.6583	1.6588	1.6600	1.6605	1.6617
1.6621	1.6587	1.6582	1.6588	1.6604	1.6586	1.6587	1.6591
1.6587	1.6566	1.6582	1.6593	1.6596	1.6603	1.6609	1.6598
1.6594	1.6611						

SAMPLE NAME : KAT344C

***** REFRACTIVE INDEX *****

LOCALITY : KAT3 4.4

Hornblend



DATA LIST

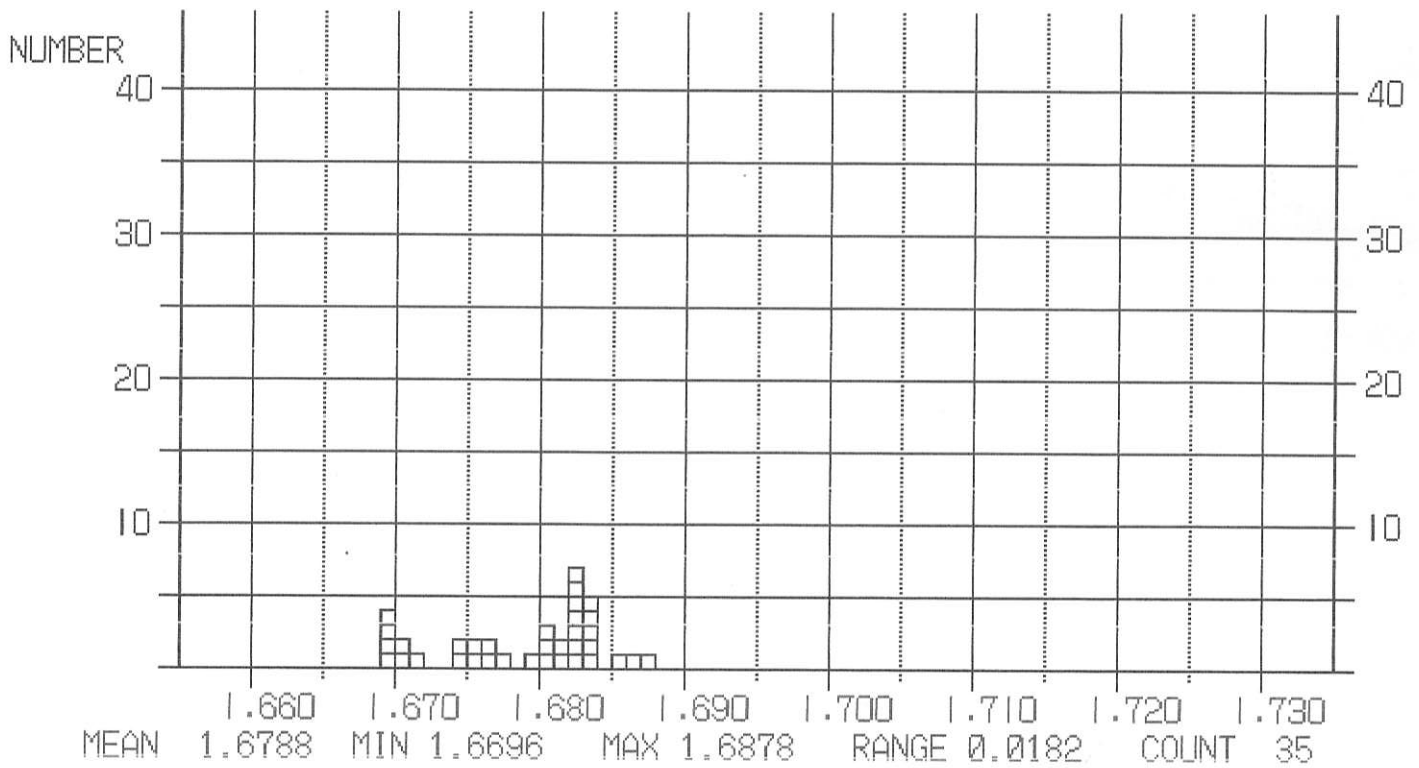
1.6640	1.6604	1.6591	1.6611	1.6616	1.6634	1.6641	1.6613
1.6608	1.6604	1.6594	1.6606	1.6602	1.6594	1.6599	1.6601
1.6588	1.6617	1.6631	1.6631	1.6619	1.6608	1.6601	1.6596
1.6599							

***** REFRACTIVE INDEX *****

Hornblend

SAMPLE NAME : KAT3150H

LOCALITY : KAT3 15.0



DATA LIST

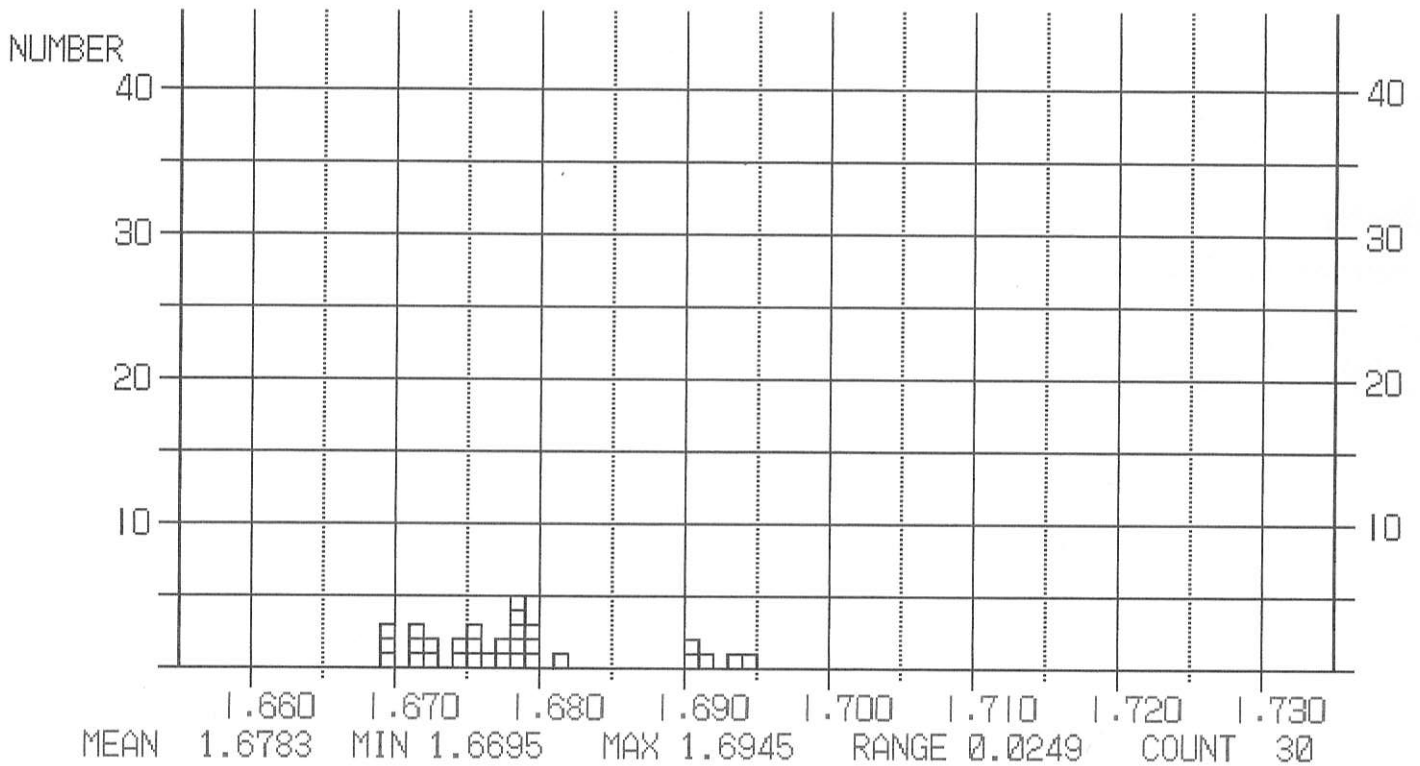
1.6832	1.6827	1.6822	1.6803	1.6799	1.6803	1.6812	1.6816
1.6822	1.6824	1.6830	1.6832	1.6835	1.6836	1.6862	1.6878
1.6851	1.6832	1.6824	1.6824	1.6803	1.6768	1.6755	1.6699
1.6696	1.6699	1.6703	1.6707	1.6698	1.6714	1.6742	1.6749
1.6762	1.6755	1.6777					

***** REFRACTIVE INDEX *****

Hornblend

SAMPLE NAME : KAT3925H

LOCALITY : KAT3 92.5



DATA LIST

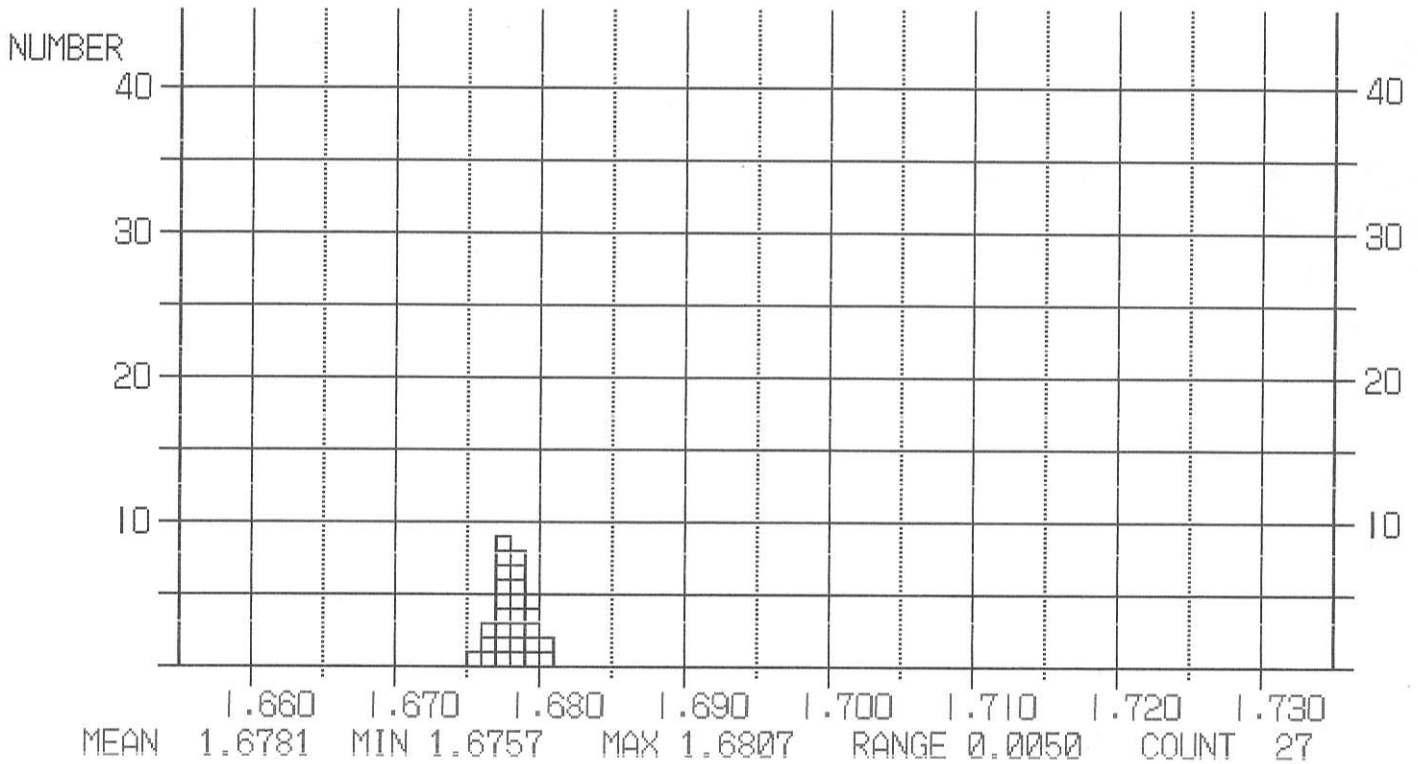
1.6818	1.6798	1.6791	1.6788	1.6782	1.6773	1.6777	1.6783
1.6786	1.6791	1.6789	1.6750	1.6745	1.6723	1.6711	1.6699
1.6695	1.6720	1.6753	1.6755	1.6757	1.6763	1.6696	1.6714
1.6725	1.6945	1.6940	1.6916	1.6906	1.6900		

***** REFRACTIVE INDEX *****

Hornblend

SAMPLE NAME : KAT3940H

LOCALITY : KAT3 94.0



DATA LIST

1.6805	1.6789	1.6784	1.6781	1.6776	1.6772	1.6770	1.6775
1.6787	1.6785	1.6780	1.6773	1.6766	1.6757	1.6765	1.6785
1.6793	1.6795	1.6798	1.6807	1.6800	1.6781	1.6764	1.6775
1.6782	1.6777	1.6775					

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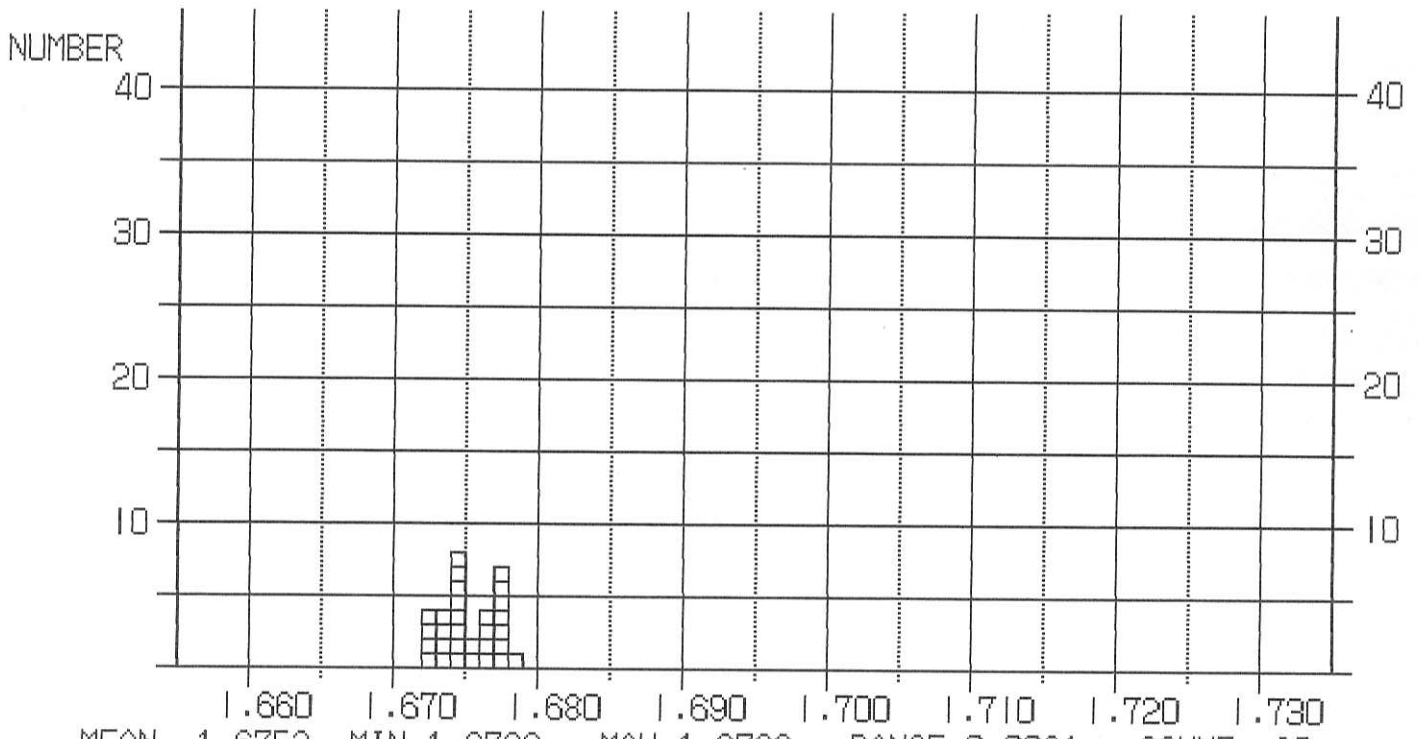
P1

***** REFRACTIVE INDEX *****

Hornblend

SAMPLE NAME : P110H

LOCALITY : P1 1.0m



MEAN 1.6753 MIN 1.6722 MAX 1.6783 RANGE 0.0061 COUNT 30

DATA LIST

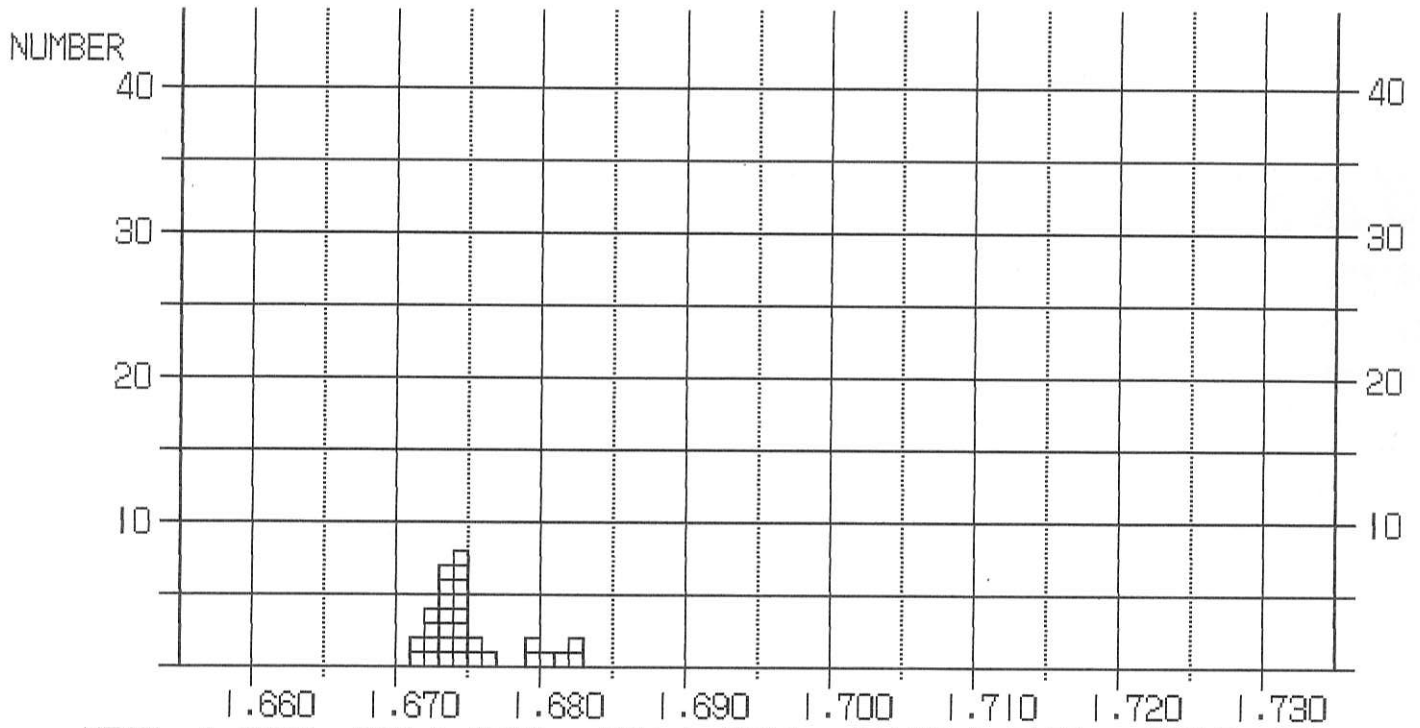
1.6783	1.6779	1.6774	1.6766	1.6738	1.6733	1.6730	1.6726
1.6726	1.6742	1.6745	1.6755	1.6775	1.6772	1.6778	1.6774
1.6767	1.6722	1.6742	1.6753	1.6742	1.6735	1.6748	1.6761
1.6761	1.6745	1.6737	1.6746	1.6774	1.6748		

***** REFRACTIVE INDEX *****

Hornblend

SAMPLE NAME : P111H

LOCALITY : P1 1.1m



MEAN 1.6752 MIN 1.6716 MAX 1.6824 RANGE 0.0107 COUNT 30

DATA LIST

1.6824	1.6820	1.6814	1.6808	1.6796	1.6797	1.6762	1.6758
1.6745	1.6732	1.6740	1.6744	1.6744	1.6721	1.6724	1.6732
1.6736	1.6739	1.6747	1.6747	1.6723	1.6719	1.6733	1.6736
1.6741	1.6748	1.6752	1.6745	1.6729	1.6716		

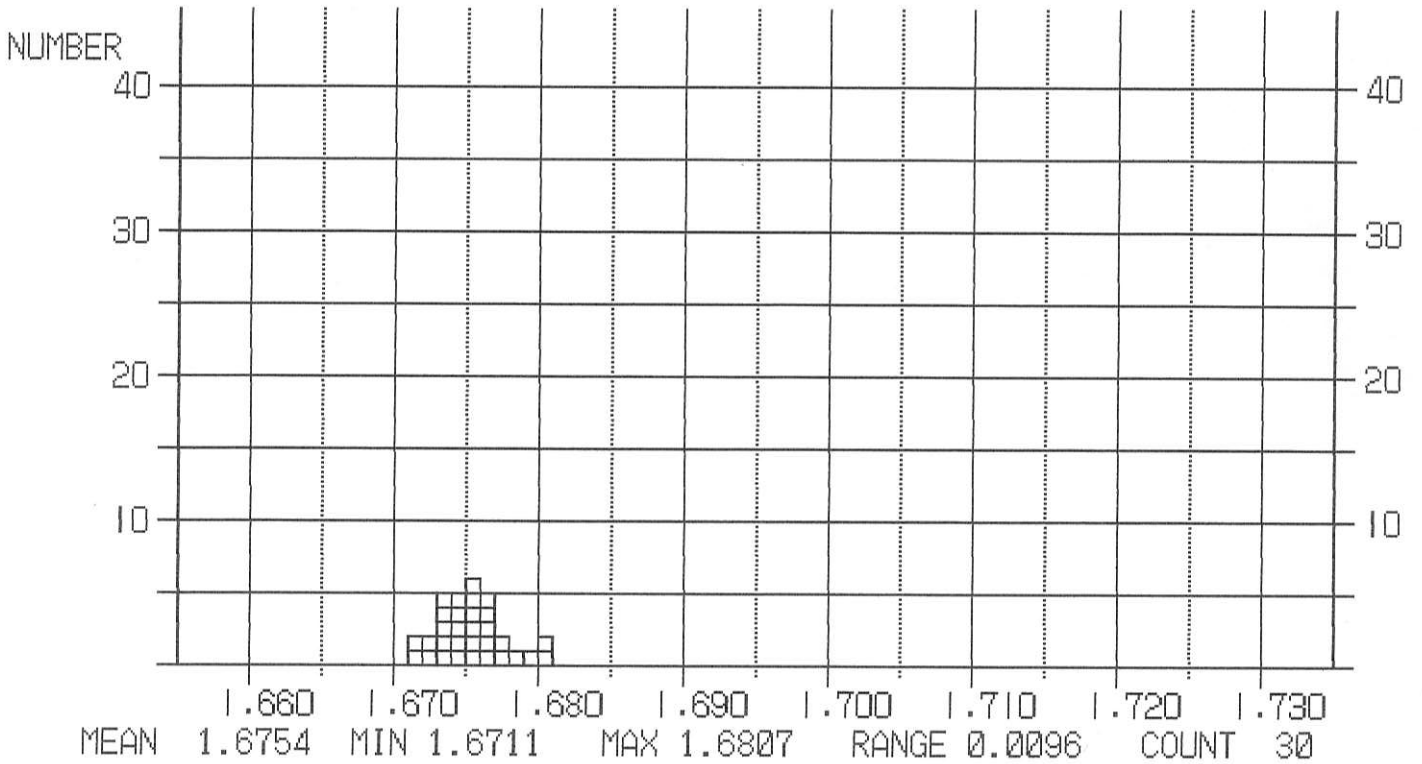
P3

***** REFRACTIVE INDEX *****

Hornblend

SAMPLE NAME : P3209H

LOCALITY : P3-2 0.9m



DATA LIST

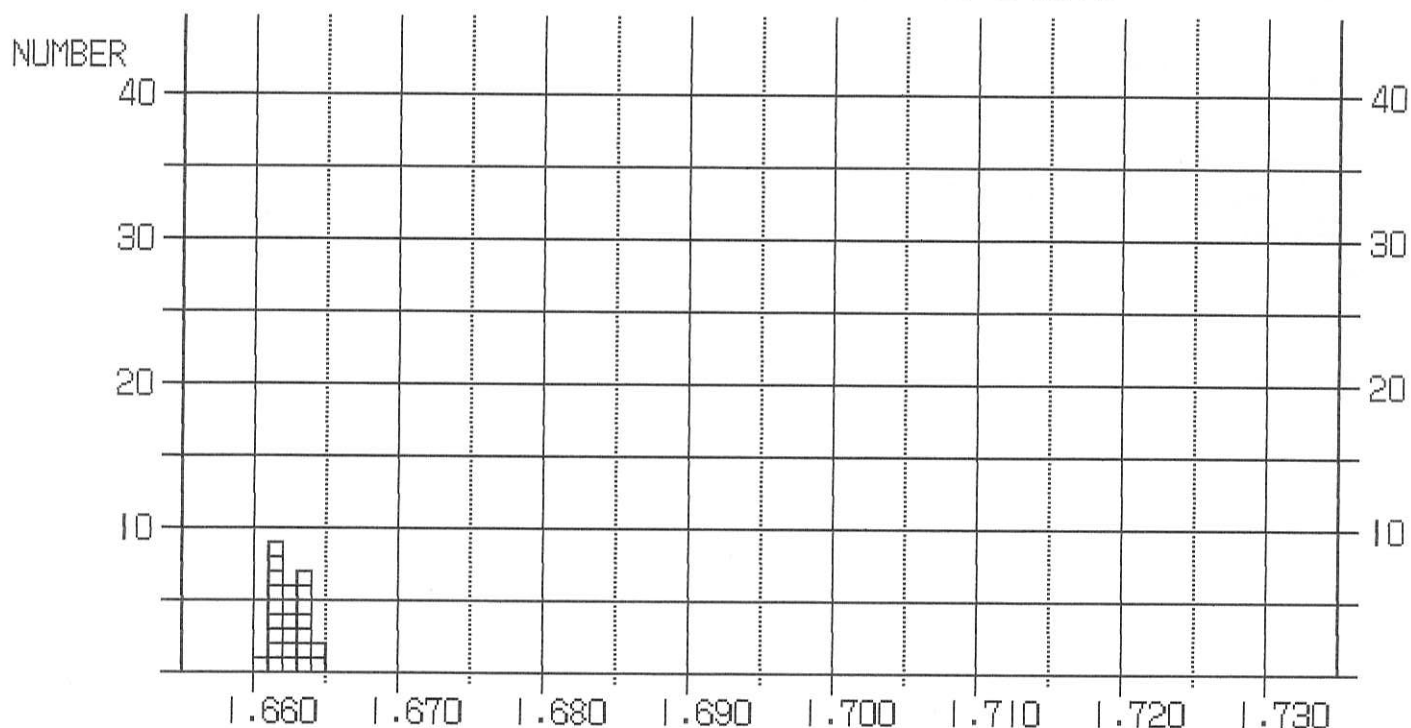
1.6807	1.6807	1.6791	1.6785	1.6770	1.6763	1.6761	1.6760
1.6771	1.6765	1.6733	1.6725	1.6719	1.6731	1.6711	1.6724
1.6745	1.6754	1.6735	1.6744	1.6758	1.6751	1.6740	1.6735
1.6738	1.6750	1.6759	1.6762	1.6764	1.6750		

***** REFRACTIVE INDEX *****

SAMPLE NAME : P3209C

LOCALITY : P3-2 0.9m

Cum



MEAN 1.6624 MIN 1.6607 MAX 1.6642 RANGE 0.0035 COUNT 25

DATA LIST

1.6619	1.6615	1.6621	1.6632	1.6638	1.6630	1.6621	1.6616
1.6611	1.6614	1.6622	1.6628	1.6618	1.6622	1.6636	1.6642
1.6632	1.6624	1.6619	1.6631	1.6636	1.6641	1.6614	1.6607
1.6616							

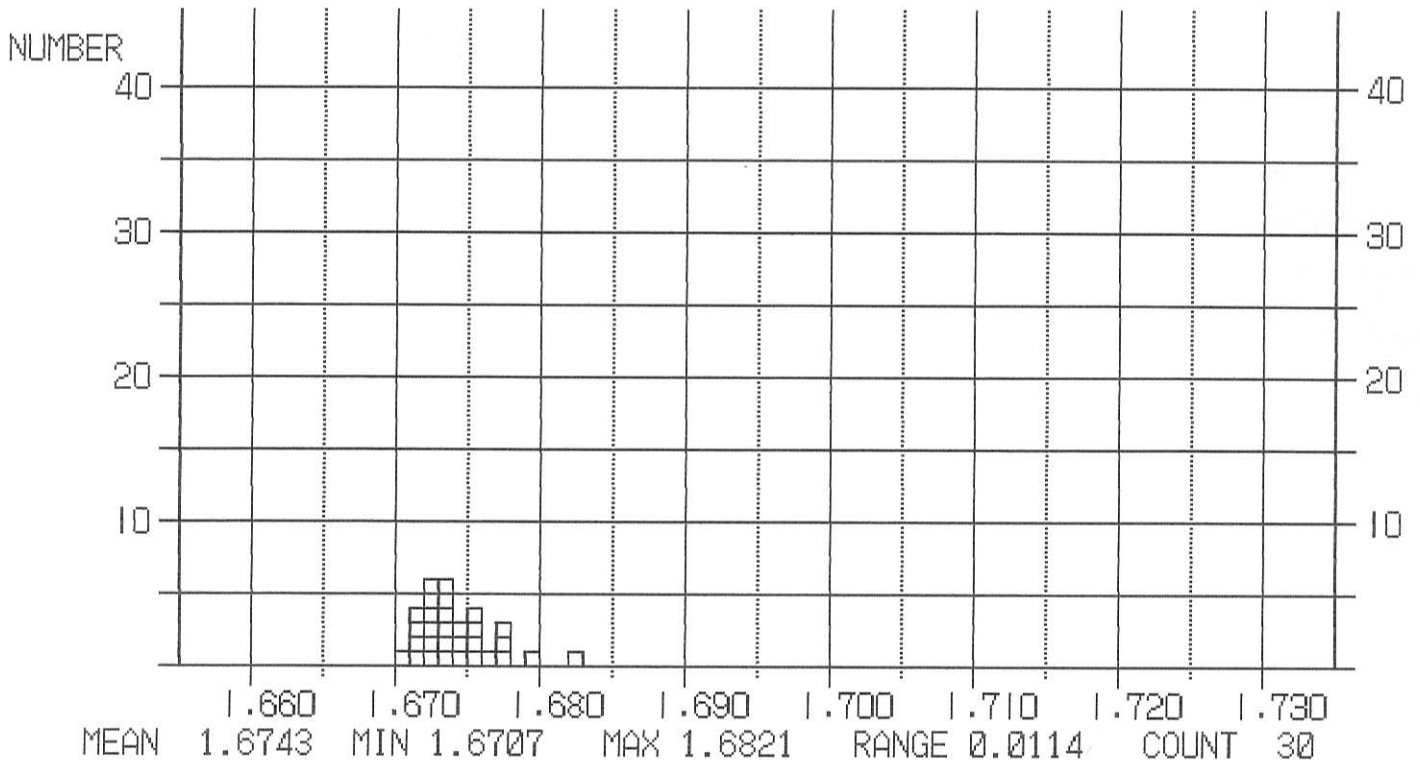
P4

***** REFRACTIVE INDEX *****

Hornblend

SAMPLE NAME : P2D04H

LOCALITY : P2' 0.4



DATA LIST

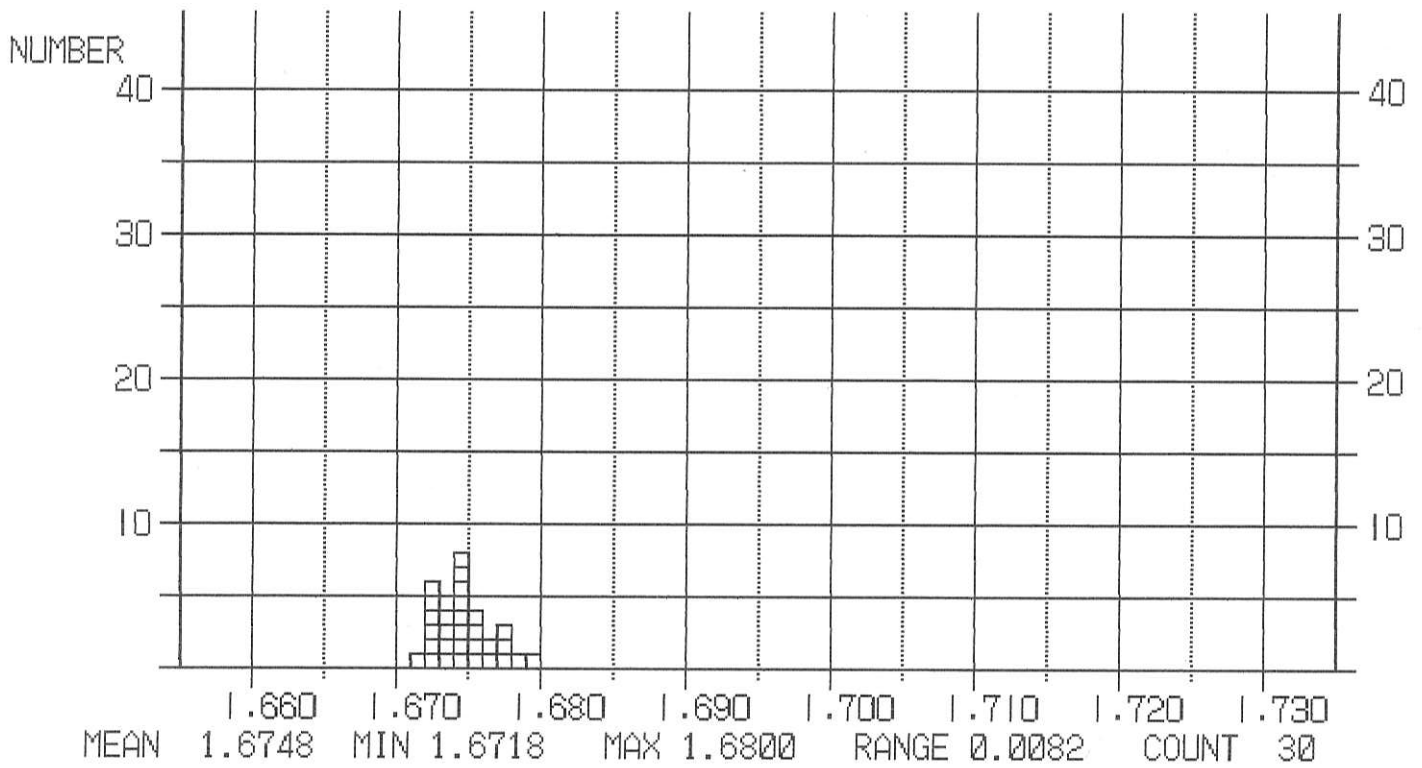
1.6821	1.6794	1.6764	1.6760	1.6759	1.6754	1.6738	1.6729
1.6726	1.6719	1.6715	1.6738	1.6772	1.6758	1.6736	1.6731
1.6725	1.6722	1.6713	1.6707	1.6715	1.6724	1.6733	1.6771
1.6779	1.6742	1.6739	1.6746	1.6749	1.6722		

***** REFRACTIVE INDEX *****

Hornblend

SAMPLE NAME : P2D11H

LOCALITY : P2' 1.1



DATA LIST

1.6800	1.6779	1.6760	1.6749	1.6764	1.6759	1.6750	1.6745
1.6732	1.6722	1.6721	1.6731	1.6737	1.6723	1.6727	1.6742
1.6748	1.6758	1.6746	1.6741	1.6721	1.6718	1.6729	1.6749
1.6761	1.6771	1.6787	1.6774	1.6757	1.6734		

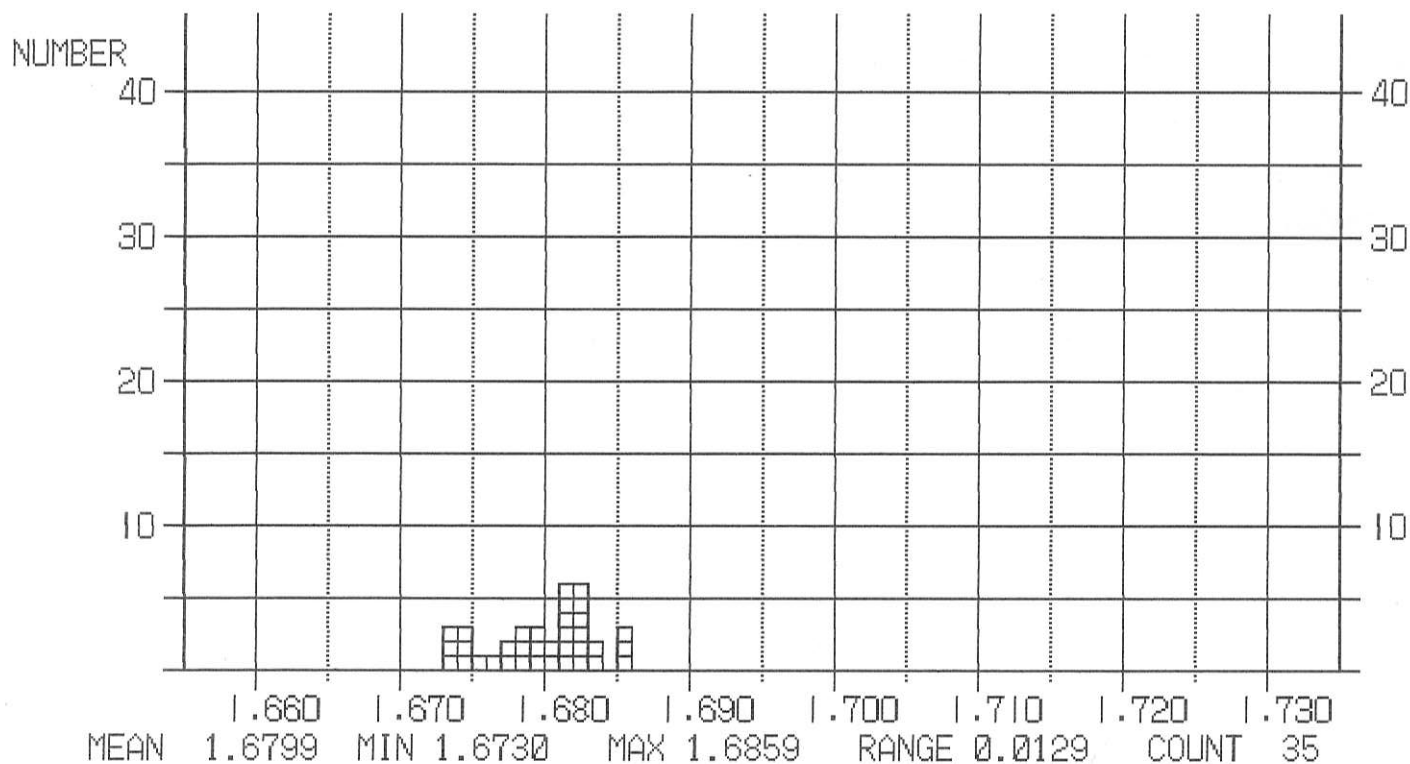
L1-1

***** REFRACTIVE INDEX *****

Hornblend

SAMPLE NAME : LI1820H

LOCALITY : LI-1 820



DATA LIST

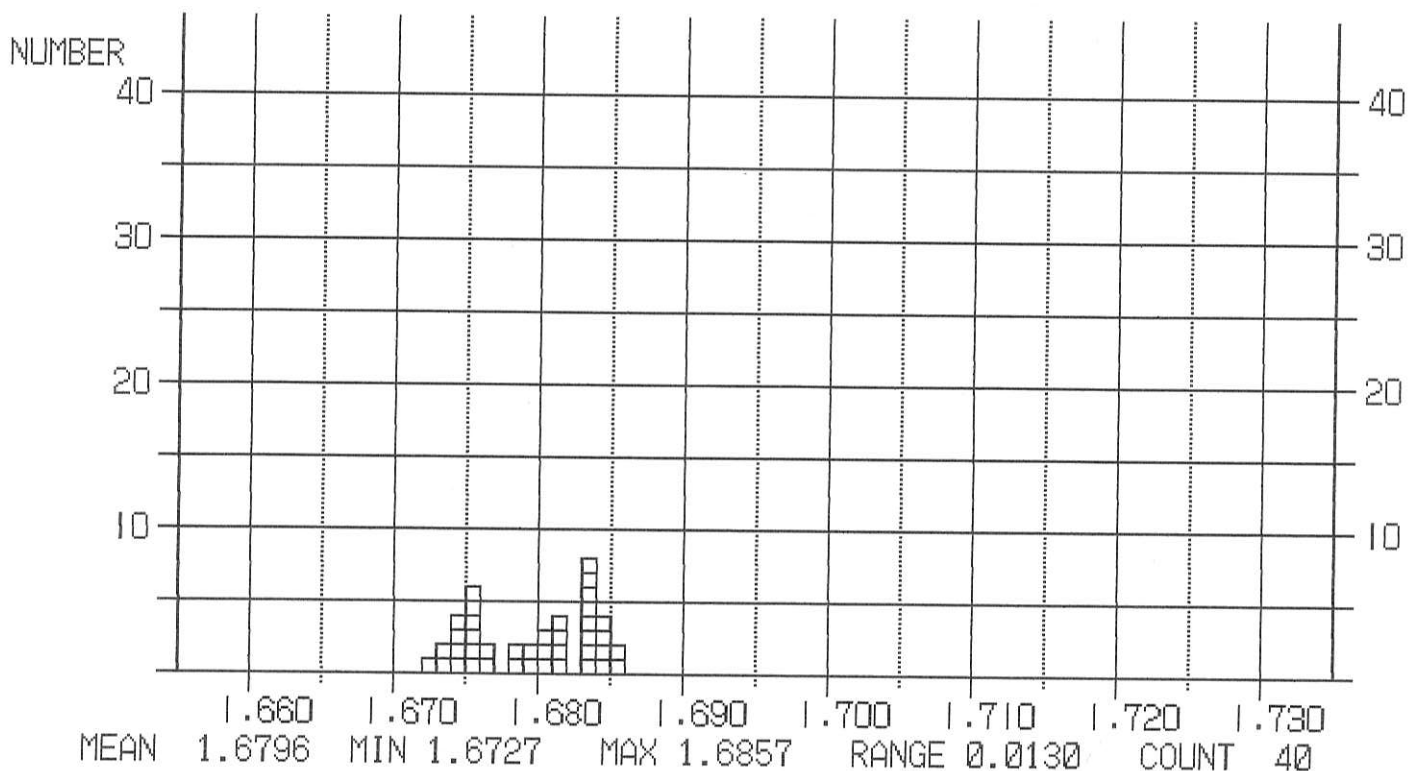
1.6859	1.6855	1.6850	1.6837	1.6832	1.6829	1.6810	1.6807
1.6798	1.6787	1.6783	1.6746	1.6745	1.6734	1.6730	1.6738
1.6748	1.6787	1.6795	1.6829	1.6817	1.6810	1.6817	1.6822
1.6824	1.6818	1.6815	1.6771	1.6770	1.6768	1.6759	1.6799
1.6814	1.6820	1.6824					

SAMPLE NAME : LI1960H

***** REFRACTIVE INDEX *****

LOCALITY : LI-1 960

Hornblend



DATA LIST

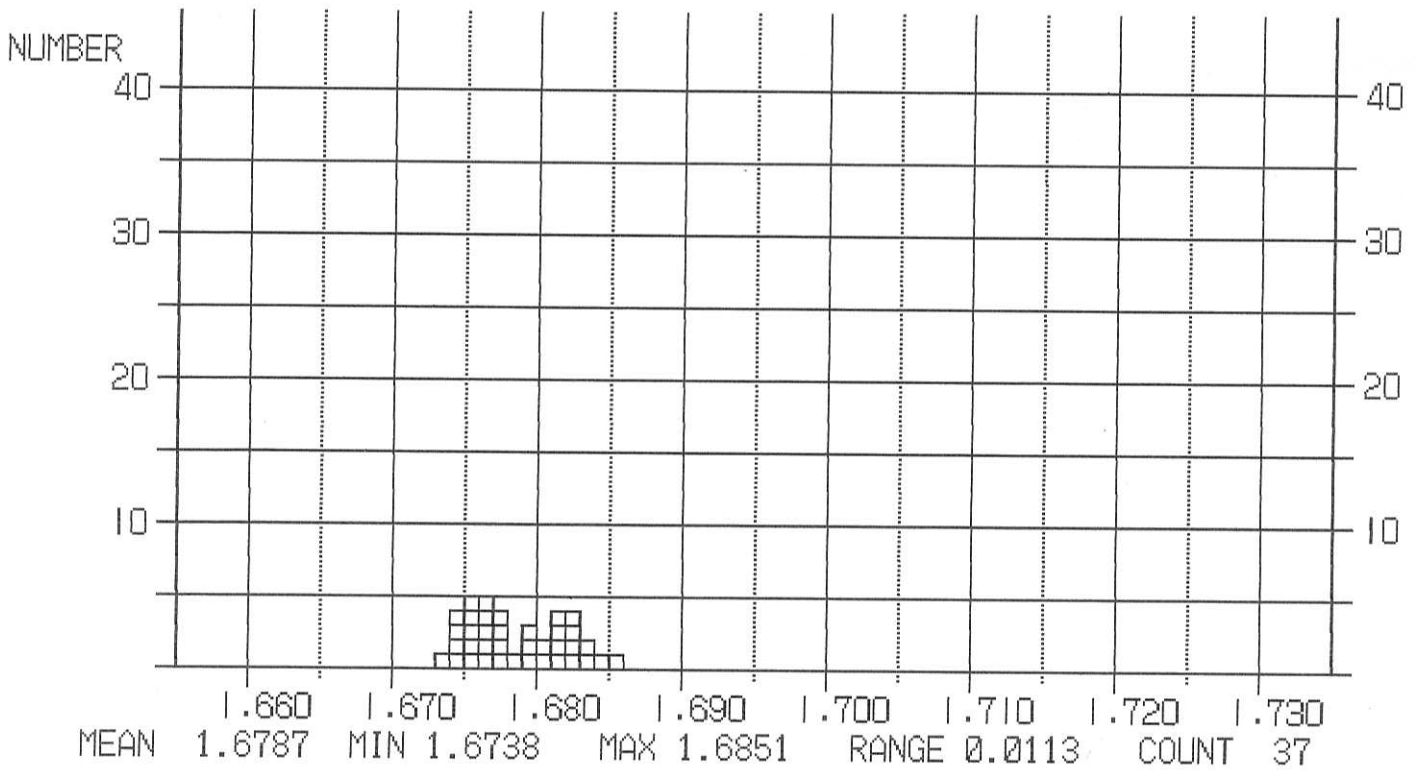
1.6844	1.6841	1.6840	1.6839	1.6840	1.6830	1.6814	1.6814
1.6808	1.6763	1.6757	1.6755	1.6758	1.6762	1.6752	1.6748
1.6752	1.6748	1.6739	1.6735	1.6727	1.6744	1.6747	1.6751
1.6785	1.6849	1.6837	1.6835	1.6857	1.6855	1.6843	1.6840
1.6834	1.6818	1.6814	1.6809	1.6803	1.6792	1.6787	1.6795

***** REFRACTIVE INDEX *****

Hornblend

SAMPLE NAME : LI11112H

LOCALITY : LI-1 1112



DATA LIST

1.6832	1.6822	1.6787	1.6776	1.6758	1.6764	1.6775	1.6773
1.6774	1.6791	1.6802	1.6764	1.6757	1.6749	1.6756	1.6761
1.6791	1.6813	1.6817	1.6752	1.6743	1.6750	1.6738	1.6792
1.6807	1.6822	1.6825	1.6828	1.6746	1.6750	1.6764	1.6768
1.6817	1.6819	1.6832	1.6851	1.6846			

5.2.主成分分析結果

Glass

採取地点 Ka-3 92.5m

point No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	SiO ₂	平均値1	標準偏差1	平均値2	標準偏差2	平均値3	標準偏差3
SiO ₂	72.05	71.35	74.31	74.04	72.83	71.82	75.07	74.37	74.50	73.48	73.02	73.38	73.93	75.48	73.38	75.24	75.34	68.88	SiO ₂	72.94	1.46	73.68	1.21	73.84	0.97
TiO ₂	0.04	0.05	0.08	0.00	0.10	0.04	0.16	0.09	0.06	0.16	0.16	0.30	0.25	0.21	0.30	0.16	0.17	0.27	TiO ₂	0.04	0.03	0.10	0.05	0.24	0.06
Al ₂ O ₃	11.35	11.20	11.66	11.77	11.51	11.45	11.93	11.60	11.84	11.62	11.62	12.20	11.69	12.13	12.20	12.24	9.35	14.86	Al ₂ O ₃	11.50	0.27	11.66	0.19	11.97	0.29
FeO	0.73	0.85	0.65	0.84	1.02	0.99	0.84	0.91	0.98	1.00	1.17	1.25	1.38	1.04	1.25	0.85	1.19	1.03	FeO	0.77	0.10	0.96	0.07	1.22	0.12
MnO	0.00	0.00	0.00	0.01	0.00	0.00	0.03	0.00	0.00	0.00	0.04	0.07	0.04	0.01	0.07	0.08	0.05	0.02	MnO	0.00	0.01	0.01	0.01	0.05	0.03
MgO	0.18	0.13	0.20	0.19	0.35	0.10	0.28	0.29	0.19	0.29	0.30	0.42	0.31	0.32	0.42	0.33	0.42	0.35	MgO	0.18	0.03	0.25	0.09	0.35	0.06
CaO	0.86	0.84	0.90	0.88	1.35	1.11	1.21	1.26	1.22	1.43	1.16	1.25	1.24	1.30	1.25	0.93	0.91	2.83	CaO	0.87	0.03	1.26	0.11	1.24	0.05
Na ₂ O	3.38	3.18	3.46	3.48	3.33	3.30	3.51	3.65	3.47	3.39	3.48	3.52	3.55	3.65	3.52	3.61	2.67	4.40	Na ₂ O	3.38	0.14	3.44	0.13	3.54	0.06
K ₂ O	3.17	3.12	3.32	3.28	2.70	2.63	2.83	2.78	2.74	2.50	3.00	3.10	3.17	2.88	3.10	3.40	3.06	2.24	K ₂ O	3.22	0.09	2.70	0.12	3.05	0.11
Total	91.76	90.72	94.58	94.49	93.19	91.44	95.86	94.95	95.00	93.87	93.95	95.49	95.56	97.02	95.49	96.84	93.16	94.88		92.89		94.05		95.50	

point No. Ka-3 92.5m

point No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	SiO ₂	平均値1	標準偏差1	平均値2	標準偏差2	平均値3	標準偏差3
SiO ₂	78.52	78.65	78.57	78.36	78.15	78.54	78.31	78.33	78.42	78.28	77.72	76.85	77.37	77.80	76.85	77.70	80.87	72.60	SiO ₂	78.52	0.12	78.34	0.13	77.02	0.30
TiO ₂	0.04	0.06	0.08	0.00	0.11	0.04	0.17	0.09	0.06	0.17	0.17	0.31	0.26	0.22	0.31	0.17	0.18	0.28	TiO ₂	0.05	0.04	0.11	0.05	0.30	0.03
Al ₂ O ₃	12.37	12.35	12.33	12.46	12.35	12.52	12.45	12.22	12.46	12.38	12.37	12.78	12.23	12.50	12.78	12.64	10.04	15.66	Al ₂ O ₃	12.37	0.06	12.40	0.11	12.60	0.31
FeO	0.80	0.94	0.69	0.89	1.09	1.08	0.88	0.96	1.03	1.07	1.25	1.31	1.44	1.07	1.31	0.88	1.28	1.09	FeO	0.83	0.11	1.02	0.08	1.35	0.08
MnO	0.00	0.00	0.00	0.01	0.00	0.00	0.03	0.00	0.00	0.00	0.04	0.07	0.04	0.01	0.07	0.08	0.05	0.02	MnO	0.00	0.01	0.01	0.01	0.06	0.02
MgO	0.20	0.14	0.21	0.20	0.38	0.11	0.29	0.31	0.20	0.31	0.32	0.44	0.32	0.33	0.44	0.34	0.45	0.37	MgO	0.19	0.03	0.27	0.09	0.40	0.07
CaO	0.94	0.93	0.95	0.93	1.45	1.21	1.26	1.33	1.28	1.52	1.23	1.31	1.30	1.34	1.31	0.96	0.98	2.98	CaO	0.94	0.01	1.34	0.12	1.31	0.01
Na ₂ O	3.68	3.51	3.66	3.68	3.57	3.61	3.66	3.84	3.65	3.61	3.70	3.69	3.71	3.76	3.69	3.73	2.87	4.64	Na ₂ O	3.63	0.09	3.66	0.10	3.70	0.02
K ₂ O	3.45	3.44	3.51	3.47	2.90	2.88	2.95	2.93	2.88	2.66	3.19	3.25	3.32	2.97	3.25	3.51	3.28	2.36	K ₂ O	3.47	0.03	2.87	0.10	3.27	0.04
Total	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00		100.00		100.00		100.00	

Oda

