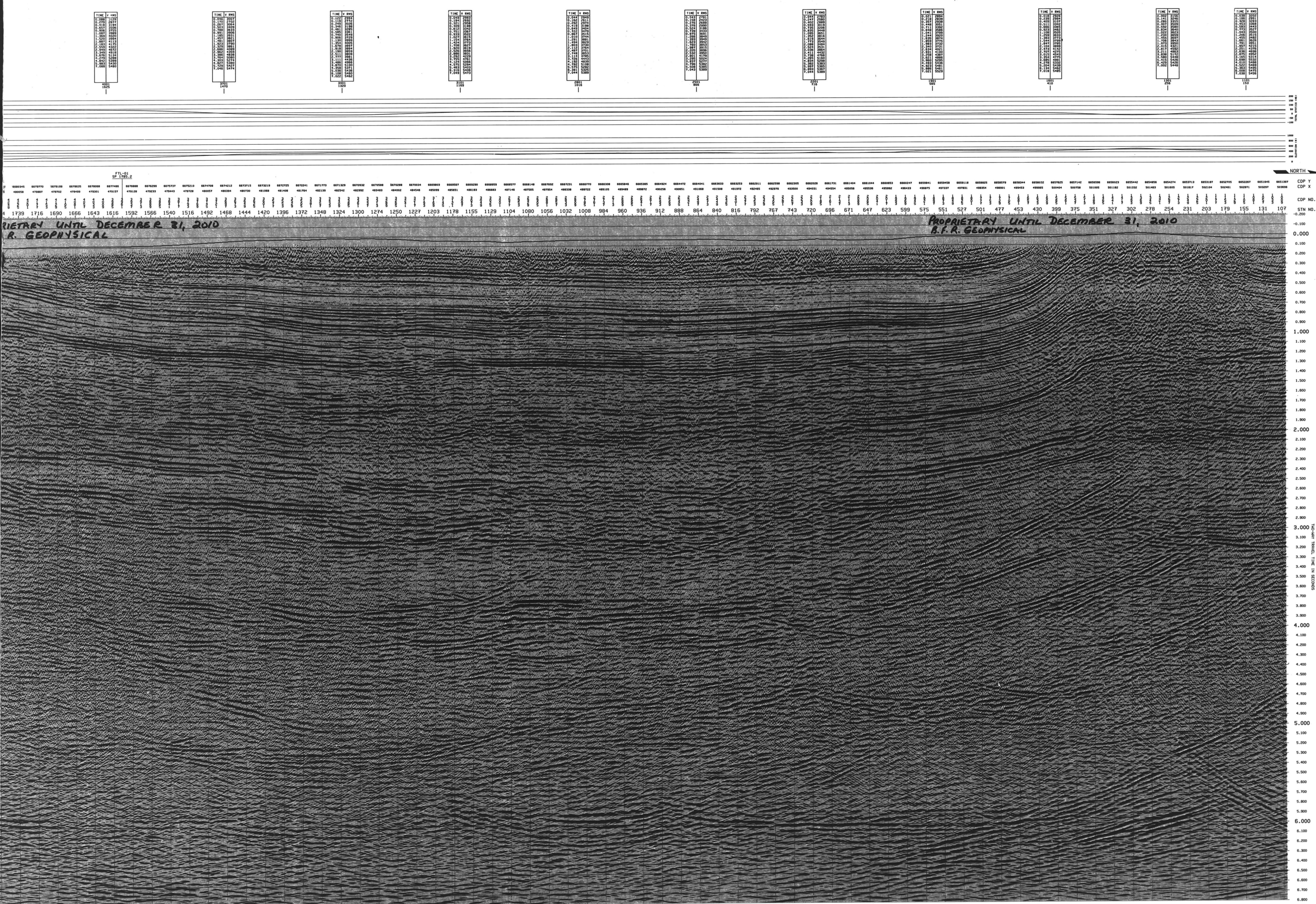




0229-B59-1P

B.F.R.

GEOPHYSICAL CONSULTANTS LTD

A WHOLLY OWNED SUBSIDIARY OF
GEODATA CORPORATION

IN CONJUNCTION WITH

Schlumberger

Geco-Prakla

A DIVISION OF SCHLUMBERGER CANADA LTD

AREA: FORT LIARD. NWT.

DMO MIGRATION STACK
FIELD POLARITY

LINE NAME: FTL - 50
SHOT POINT: 101.5 - 5501.5
LOCATION: SP 101 60.00N 123.85W
SP 5501 61.00N 123.98W
DATUM: 500 meters
REPL. VEL.: 4000 meters/sec

NORTH

ACQUISITION

SHOT BY: GECO-PRAKLA DATE: FEB 1995
SHOT FOR: B.F.R. GEOPHYSICAL CONSULTANTS LTD.

SOURCE VIBROSEIS

ARRAY: 4 IN LINE
DRAG LENGTH: 30 m
SHELF FREQUENCIES: 10 TO 100 Hz
SHELF LENGTH: 10 seconds
SOURCE INTERVAL: 75 m
SHOOTING DIRECTION: SOUTH TO NORTH
COVERAGE: 5000 %

CABLE 300 CHANNELS

GEOPHONES PER GROUP: 12
GEOPHONE SPACING: 2.27 m
GEOPHONE TYPE: D10 200K - 10 Hz
STATION INTERVAL: 25 m

INSTRUMENTS

RECORDING INSTRUMENT: 11D SYSTEM II
FORMAT: SEG-D
RECORD LENGTH: 8 sec
SAMPLE RATE: 2 Hz
HIGH CUT FILTER: 125 Hz
LOW CUT FILTER: 2 Hz
NOTCH FILTER: GUT
GAIN SETTING: 48 db

SPREAD DEFINITION

TR 1 150 VP 151 300

3787.5 m 62.5 m 62.5 m 3787.5 m

PROCESSING PARAMETERS

1 SEG-D REFORMAT
2 TRUE AMPLITUDE RECOVERY
3 DECONVOLUTION - PREDICTIVE
OPERATOR LENGTH: 100 ms
LAG LENGTH: 12 ms
PREWHITENING: 1.0
DESIGN WINDOW: 500-3500 ms 8 OFFSET 62 m
1850-4000 ms 8 OFFSET 3782 m

4 TRACE EQUALIZATION - TIME WINDOW 1000 ms

5 STATICS - ELEVATION
STRUCTURAL DATUM: 500 meters ASL
REPLACEMENT VELOCITY: 4000 m/s

6 CDP TRACE GATHER
CROOKED LINE BINNING
BIN WIDTH 550 m

7 VELOCITY ANALYSIS

8 NMO CORRECTION - FLOATING DATUM REFERENCED

9 AUTOMATIC RESIDUAL STATICS - SURFACE CONSISTENT
WINDOW 300-3500 ms
CORRELATION LAG 35 ms

10 VELOCITY ANALYSIS

11 NMO CORRECTION - FLOATING DATUM REFERENCED

12 AUTOMATIC RESIDUAL STATICS - SURFACE CONSISTENT
WINDOW 300-3500 ms
CORRELATION LAG 25 ms

13 COMMON OFFSET F-K DMO

14 VELOCITY ANALYSIS

15 FRONT MUTE
AUTOMATIC STRETCH MUTE
MAXIMUM STRETCH ALLOWED - 35%

16 TRIM STATICS
WINDOW 300-3500 ms
CORRELATION LAG 0 ms

17 CDP STACK - 50 FOLD

18 STEEP DIP FINITE DIFFERENCE MIGRATION
50 % OF STACKING VELOCITIES
90 DEGREE ANGLE

19 FILTER - 10X15 - 75X55 Hz

20 TRACE EQUALIZATION - WINDOWS:
300 - 800 ms
800 - 1200 ms
1200 - 1800 ms
1800 - 2400 ms
2400 - 3000 ms
3000 - 3500 ms
3500 - 4000 ms
4000 - 5000 ms
5000 - 7000 ms

COMMENTS

FILM DISPLAY - 3.75 inches/sec 68 Traces/inch

DATE: JUNE 1995

TIME	V RMS
0.101	3118
0.267	2849
0.415	4113
0.508	3354
0.643	3531
0.882	3737
1.106	4006
1.575	3827
1.981	3745
2.126	3827
2.471	4349
2.789	4759
3.235	5252
3.682	5361
4.542	5367
5.326	5397
6.185	5404
7.101	5432

TIME	V RMS
0.136	3006
0.333	2757
0.469	2682
0.660	2434
0.872	2679
1.020	3708
1.184	3551
1.547	3705
1.753	2631
1.959	2643
2.407	3882
2.895	4360
3.231	4744
3.866	5132
4.584	5325
4.968	5280
5.286	5389
5.136	5418

TIME	V SW
0.101	302
0.225	267
0.352	280
0.525	309
0.694	339
0.861	351
1.163	347
1.330	351
1.630	350
2.005	361
2.193	369
2.384	397
2.714	416
3.016	423
3.764	480
4.209	510
4.212	510
4.812	532
5.495	538
6.111	542
7.101	545

TIME	V RM
0.085	304
0.221	288
0.321	282
0.438	305
0.591	328
0.654	343
0.791	257
0.824	252
1.093	341
1.239	331
1.442	332
1.578	332
1.795	334
1.971	325
2.180	251
2.328	382
2.585	436
3.101	456
3.540	429
4.323	436
5.072	538
6.058	543
7.085	545

	TIME	V R
0	0.086	29
0	0.209	26
0	0.425	28
0	0.583	31
0	0.674	31
0	0.807	34
1	0.055	34
1	0.234	34
1	0.570	35
1	0.830	35
1	0.997	35
2	0.330	43
2	0.672	43
2	0.878	42
3	0.008	45
3	0.277	47
3	0.962	49
4	0.507	51
4	0.354	52
5	0.184	52
5	0.674	52
7	0.086	54

TIME	V
00.0	0.53
00.1	0.29
00.2	0.30
00.3	0.48
00.4	0.53
00.5	0.53
00.6	0.77
00.7	0.71
00.8	0.86
00.9	0.51
01.0	0.82
01.1	0.49
01.2	0.53
01.3	0.77
01.4	0.15
01.5	0.39
01.6	0.53
01.7	0.44
01.8	0.44
01.9	0.67
02.0	0.46
02.1	0.3

[illegible]

TIME	V
0.103	30
0.221	30
0.338	30
0.409	30
0.497	31
0.621	31
0.738	31
0.969	32
1.220	32
1.451	32
1.717	32
1.965	32
2.095	33
2.307	33
2.725	33
2.980	34
3.555	34
4.108	34
4.839	35
4.929	35
5.174	35
5.103	35

6401

TIME	V
0.100	3
0.279	2
0.394	3
0.521	3
0.766	3
0.960	3
1.305	3
1.508	3
1.671	3
1.787	2
0.553	3
3.307	3
5.565	4
9.907	4
3.173	5
3.630	5
4.366	5
5.595	5
7.100	5

8F01

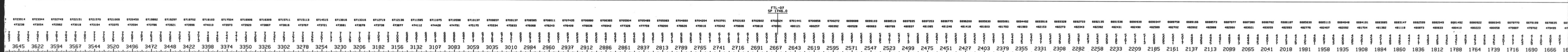
TIME	V
0.098	0.000000
0.192	0.000000
0.285	0.000000
0.378	0.000000
0.471	0.000000
0.565	0.000000
0.658	0.000000
0.751	0.000000
0.844	0.000000
0.937	0.000000
1.030	0.000000
1.123	0.000000
1.216	0.000000
1.309	0.000000
1.402	0.000000
1.495	0.000000
1.588	0.000000
1.681	0.000000
1.774	0.000000
1.867	0.000000
1.960	0.000000
2.053	0.000000
2.146	0.000000
2.239	0.000000
2.332	0.000000
2.425	0.000000
2.518	0.000000
2.611	0.000000
2.704	0.000000
2.797	0.000000
2.890	0.000000
2.983	0.000000
3.076	0.000000
3.169	0.000000
3.262	0.000000
3.355	0.000000
3.448	0.000000
3.541	0.000000
3.634	0.000000
3.727	0.000000
3.820	0.000000
3.913	0.000000
4.006	0.000000
4.099	0.000000
4.192	0.000000
4.285	0.000000
4.378	0.000000
4.471	0.000000
4.564	0.000000
4.657	0.000000
4.750	0.000000
4.843	0.000000
4.936	0.000000
5.029	0.000000
5.122	0.000000
5.215	0.000000
5.308	0.000000
5.401	0.000000
5.494	0.000000
5.587	0.000000
5.680	0.000000
5.773	0.000000
5.866	0.000000
5.959	0.000000
6.052	0.000000
6.145	0.000000
6.238	0.000000
6.331	0.000000
6.424	0.000000
6.517	0.000000
6.610	0.000000
6.703	0.000000
6.796	0.000000
6.889	0.000000
6.982	0.000000
7.075	0.000000
7.168	0.000000
7.261	0.000000
7.354	0.000000
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7.540	0.000000
7.633	0.000000
7.726	0.000000
7.819	0.000000
7.912	0.000000
8.005	0.000000
8.098	0.000000
8.191	0.000000
8.284	0.000000
8.377	0.000000
8.470	0.000000
8.563	0.000000
8.656	0.000000
8.749	0.000000
8.842	0.000000
8.935	0.000000
9.028	0.000000
9.121	0.000000
9.214	0.000000
9.307	0.000000
9.400	0.000000
9.493	0.000000
9.586	0.000000
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9.772	0.000000
9.865	0.000000
9.958	0.000000
10.051	0.000000
10.144	0.000000
10.237	0.000000
10.330	0.000000
10.423	0.000000
10.516	0.000000
10.609	0.000000
10.702	0.000000
10.795	0.000000
10.888	0.000000
10.981	0.000000
11.074	0.000000
11.167	0.000000
11.260	0.000000
11.353	0.000000
11.446	0.000000
11.539	0.000000
11.632	0.000000
11.725	0.000000
11.818	0.000000
11.911	0.000000
12.004	0.000000
12.097	0.000000
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12.469	0.000000
12.562	0.000000
12.655	0.000000
12.748	0.000000
12.841	0.000000
12.934	0.000000
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13.306	0.000000
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TIME	V
0.085	
0.203	
0.327	
0.457	
0.584	
0.713	
0.843	
0.972	
1.102	
1.232	
1.362	
1.492	
1.622	
1.752	
1.882	
2.012	
2.142	
2.272	
2.402	
2.532	
2.662	
2.792	
2.922	
3.052	
3.182	
3.312	
3.442	
3.572	
3.702	
3.832	
3.962	
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4.222	
4.352	
4.482	
4.612	
4.742	
4.872	
5.002	
5.132	
5.262	
5.392	
5.522	
5.652	
5.782	
5.912	
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6.172	
6.302	
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6.562	
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7.342	
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7.992	
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9.812	
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12.412	
12.542	
12.672	
12.802	
12.932	
13.062	
13.192	
13.322	
13.452	
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16.572	
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25.802	
25.932	
26.062	
26.192	
26.322	
26.452	
26.582	
26.712	
26.842	

TIME	V
0.076	
0.170	
0.224	
0.429	
0.494	
0.618	
0.877	
0.975	
0.984	
0.652	
0.729	
0.053	
0.580	
0.037	
0.300	
0.124	
0.754	
0.250	
0.883	
0.470	
0.076	

FS01
34%

TIME	V
0.089	
0.304	
0.385	
0.612	
0.627	
0.900	
0.958	
1.067	
1.223	
1.375	
1.633	
1.830	
2.095	
2.417	
2.877	
3.767	
4.224	
5.009	
5.820	
6.326	
7.089	



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1960 1974 1989 1910 1990 1986
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