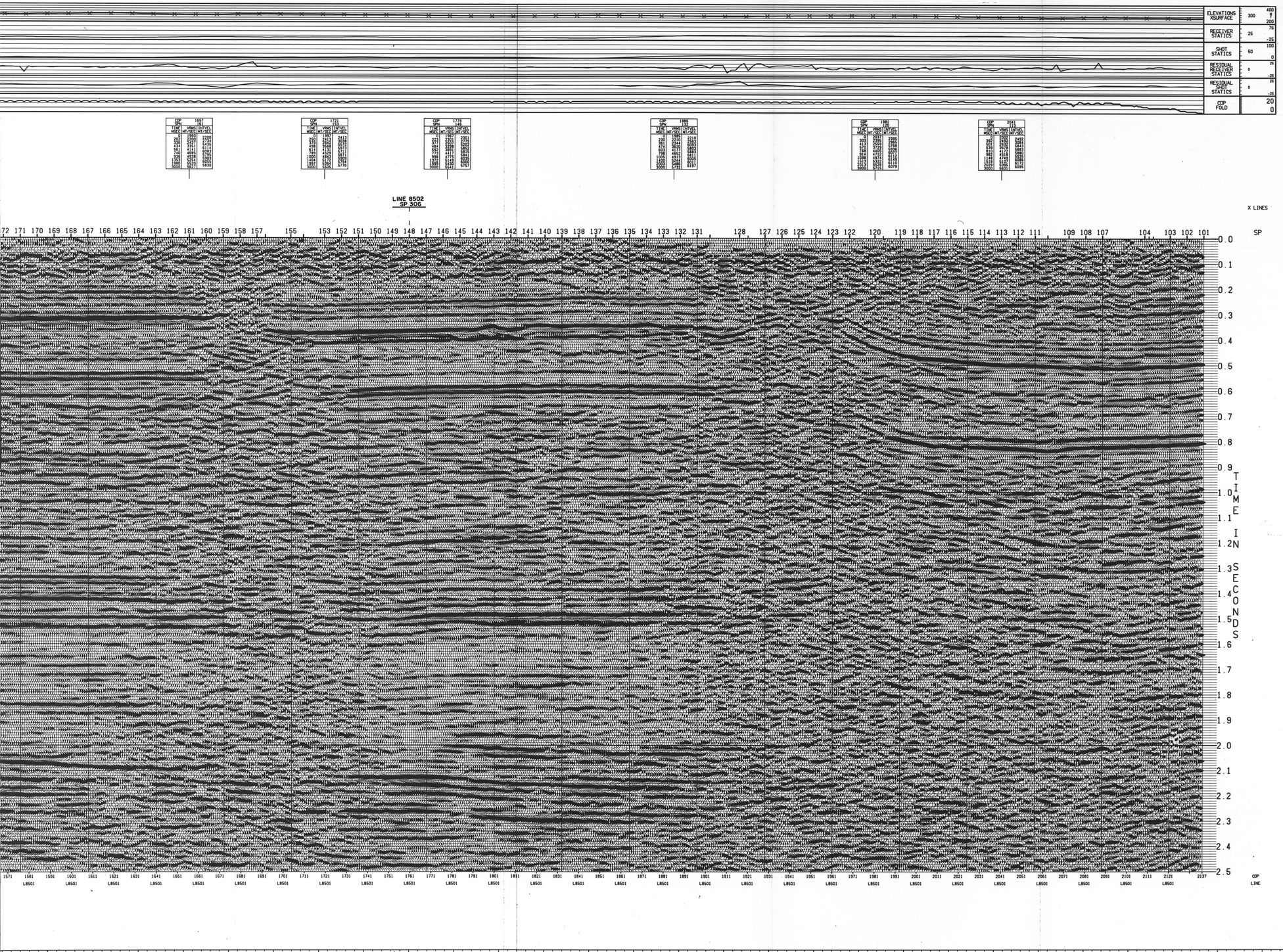


LINE 8501
SP 101 TO 243

PETRO CANADA

AREA : GREAT BEAR LAKE

SOUTHEAST → ← DIRECTION SHOT

MIGRATED STACK (NORMAL POL.)

FIELD DATA

RECORDED BY : SEISCOM DELTA UNITED PARTY 552

DATE : MARCH - APRIL 1985

INSTRUMENTATION

AMPLIFIERS : DFS V
NO. OF TRACES : 96
RECORDING FILTER : 18 - 128 HZ
FORMAT : SEGB 9 TRACK
RECORD LENGTH : 6 SECONDS
SAMPLE RATE : 2 MSEC
DENSITY : 1600 B.P.I.
GEOPHONE TYPE : GEOSOURCE 10 HZ

RECORDING SPREAD

GROUP INTERVAL : 33 METERS
SHOT POINT INTERVAL : 132 METERS
INTENDED COVERAGE : 12 FOLD
GEOPHONE ARRAY : 9 GEOPHONES INLINE AT 8.25 METERS

ENERGY SOURCE

TYPE : DYNAMITE
WEIGHT : 2 KGS. PER HOLE
HOLE DEPTH : 18 METERS
PATTERN : SINGLE HOLE

CONFIGURATION

```
TR96          TR49        SP        TR48          TR1
T.............T.                    T.............T
                          < 66 M >< 66 M >
<---------- 1617 M.---------<---------- 1617 M.--------->
```

DIGITAL PROCESSING

DATUM : 305 METERS A.S.L. REPLACEMENT VELOCITY : 2450 METERS/SECOND

1. DEMULTIPLEX	OUTPUT AT 2 MSEC. SAMPLING TO 3 SECONDS
2. TRACE EDITING	FROM FIELD MONITORS
3. STATICS COMPUTATIONS	WEATHERING STATICS FROM FIRST BREAK ANALYSIS
4. TRUE AMPLITUDE RECOVERY	2 DB/SEC FROM 0 TO 3.0 SECONDS
5. FIRST BREAK NOISE SUPPRESSION	
6. DECONVOLUTION	ONE OPERATOR OF 80 MSEC 1.0 PERCENT WHITE NOISE LEVEL DESIGN GATES: 300 TO 1600 MSEC. NEAR TR 950 TO 2250 MSEC. FAR TR
7. EQUALIZATION	
8. RESIDUAL STATICS ANALYSIS	SURFACE CONSISTENT AUTOMATIC STATICS (HSTATC) PLUS TRIM STATICS
9. RELATIVE STATICS - RESIDUAL STATICS APPLICATION	
10. NORMAL MOVEOUT CORRECTION	VELOCITY ANALYSIS FROM VELSCANS (BEFORE AND AFTER AUTOMATIC STATICS)
11. MEAN DATUM STATICS APPLICATION	
12. STACK MUTE	TIME(IN MSEC.) OFFSETS(IN METERS) -50 66 0 264 400 495 1100 1617
13. CDP STACK	12 FOLD
14. MIGRATION	WAVE EQUATION MIGRATION KIRCHOFF F/K DOMAIN DIP LIMITED
15. TIME INVARIANT FILTER	10/20 - 50/60 HZ
16. TIME VARIANT SCALING	(10 X 100) 200.200.300.500 MSEC. GATES START TIME = 0 MSEC.

DISPLAY POLARITY : NORMAL (PEAK ON DISPLAY REPRESENTS POSITIVE NUMBER ON TAPE)

DISPLAY

HORIZONTAL SCALE - 16.0 TR/IN 60.606049 TR/KM
VERTICAL SCALE - 7.500000 IN / SEC
POLARITY - NORMAL
TRACE TYPE . BIAS - WTVAR 0.0 PERCENT
DATUM - 305 M A.S.L.
DISPLAY UNIT - 0.677333 CM

DISPLAY GAIN

INPUT	
CDP GAIN	ALL TIME MSEC
-16.7	0

29 JUN 1985
00:12:42

CALGARY LAND 6430

GEOPHYSICAL SERVICE INCORPORATED
A DIVISION OF TEXAS INSTRUMENTS LTD

PROCESSING PARTY CHIEF : J. LIKUSKI

MIGRATED STACK (NORMAL POL.)

LINE 8501
SP 101 TO 243

PETRO CANADA
AREA : GREAT BEAR LAKE

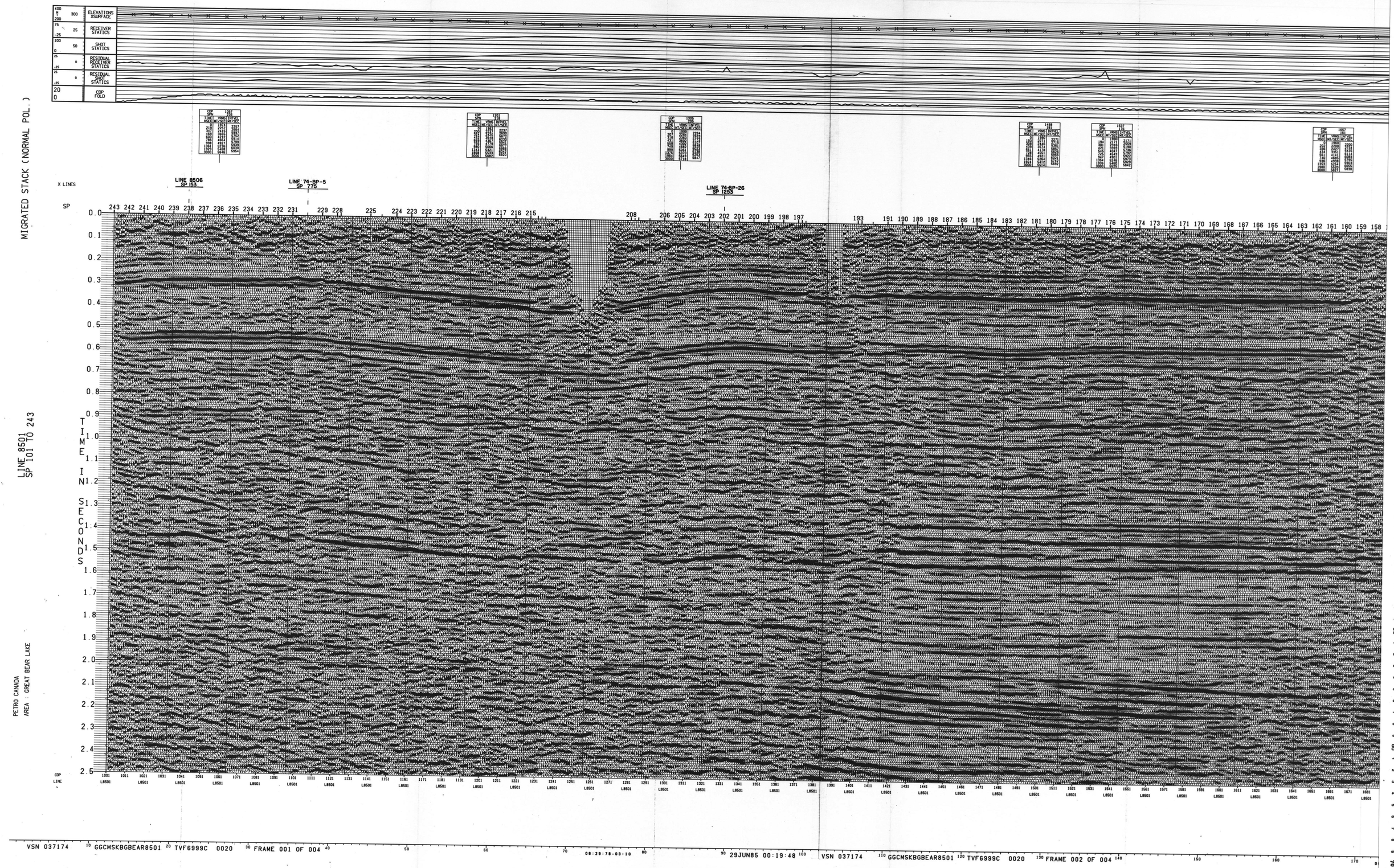
2060 Walkley Rd.
Ottawa, Ont.
Canada K1G 3P5
Tel. (613) 731-9571
Telex 053-3502
Cable: TERRA

PROJ. NO. 9229-P28-5E

LINE NO. 8501

PART NO. 1 OF 2

R.R. 8X



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PART NO. 2 OF 2

R.R. 8X