



SENTURION SCIENCES, INC.
TULSA, U.S.A.

AREA: Bieber RUN DATE: 18 June, 19 73
 COUNTY: LASSEN STATION NOS. 1 thru 6
 STATE: California

START TIME: 2318 Z, 18 June, 19 73

STOP TIME: 0013 Z, 19 June, 19 73

WEATHER

PRECIPITATION: TYPE NONE AMT. _____

WIND: MAX. 5-10 mph, MIN. 0 mph

TEMP: MAX. 59 °F, MIN. _____ °F

CLOUD COVER: Clear to partly cloudy

RECORDING AND INSTRUMENTATION DATA

SYSTEM NO. 4

CHANNEL	STA. NO.	REC. ATT.	CALIBRATION INPUT: _____ M.V.P.P.		SEIS. NO.	STATION LOCATION
			ATT.	TIME		
1	2				7	NE 1/4 NE 1/4 SEC. 11, T. 37N, R. 8E
2	1	6	24	1901	10	^{app. center section} NW 1/4 S.E. COR. NW 1/4 SEC. 36, T. 38N, R. 8E
3	3	6	24	0052	3	NE 1/4 NE 1/4 SEC. 16, T. 37N, R. 8E
4	4	6	24	0325	8	SE corner NE 1/4 NW 1/4 SEC. 5, T. 37N, R. 8E
5	5	18	24	0422	5	NW 1/4 NE 1/4 SEC. 29, T. 38N, R. 8E
* 6	* 6	6	24	0214	6	SW 1/4 NE 1/4 SEC. 4, T. 37N, R. 8E
7	ww	vb-				SEC. _____, T. _____, R. _____

REMARKS: station # 1 location approximate at present
 * sta. # 6 will be relocated later

Figure 3



SENTURION SCIENCES, INC.
TULSA, U.S.A.

AREA: Bieber RUN DATE: 17 June 73, 19 73
 COUNTY: LASSON STATION NOS. 1 thru 6
 STATE: California

WEATHER

START TIME: 0040 Z, 19 June 19 73 PRECIPITATION: TYPE None AMT. —
 STOP TIME: 0050 Z, 20 June 19 73 WIND: MAX. 10 mph, MIN. 0 mph
 TEMP: MAX. ≈ 90 °F, MIN. ≈ 35 °F
 CLOUD COVER: CLEAR

RECORDING AND INSTRUMENTATION DATA
SYSTEM NO. _____

CHANNEL	STA. NO.	** REC. ATT.	CALIBRATION INPUT: _____ MV P.P.		SEIS. NO.	STATION LOCATION
			ATT. **	TIME		
1	2					SEC. _____, T _____, R _____
2	1	6	24	1901		SEC. _____, T _____, R _____
3	3	6	24	0052		SEC. _____, T _____, R _____
4	4	6	24	0325		SEC. _____, T _____, R _____
5	5	18	24	0422		SEC. _____, T _____, R _____
6	6	6	24	0214		SEC. _____, T _____, R _____
7						SEC. _____, T _____, R _____

REMARKS:

** All calibration set on 18 June 73
 * same station locations
 station #3 (and 3) off 0355 until 0405
 Delay in recording time (≈ 30 minutes) related to operator inexperience. All station may not be working
 station comments observed on oscilloscope

- #1 ok
- #2 ok
- #3 ok
- #4 Hashy
- #5 low frequency (≈ 1 Hz) observed on scope in conjunction with oscillating needles discriminators
- #6 same as #5 (noise/vibrations - All in)



SENTURION SCIENCES, INC.
TULSA, U.S.A.

AREA: Bieber RUN DATE: 20 June 73, 19 73
 COUNTY: LASSEN STATION NOS. 1 thru 6
 STATE: California

WEATHER

START TIME: 0102 Z, 20 June, 19 73 PRECIPITATION: TYPE NONE AMT. —
 STOP TIME: 0240 Z, 21 June, 19 73 WIND: MAX. 10 mph, MIN. — mph
 TEMP.: MAX. 92 °F, MIN. 50 °F
 CLOUD COVER: Clear

RECORDING AND INSTRUMENTATION DATA

SYSTEM NO. 4

Same as 18th + 19th

SAME AS 18th + 19th

CHANNEL	STA. NO.	REC. ATT.	CALIBRATION INPUT: <u>—</u> MV P.P		SEIS. NO.	STATION LOCATION
			ATT.	TIME		
1	2					SEC. <u>—</u> , T <u>—</u> , R <u>—</u>
2	1	*0 6	24	2345 1904		SEC. <u>—</u> , T <u>—</u> , R <u>—</u>
3	3	*0 6	24	0110 0052		SEC. <u>—</u> , T <u>—</u> , R <u>—</u>
4	4	6	24	0325		SEC. <u>—</u> , T <u>—</u> , R <u>—</u>
5	5	18	24	0422		SEC. <u>—</u> , T <u>—</u> , R <u>—</u>
6	6	6	24	0214		SEC. <u>—</u> , T <u>—</u> , R <u>—</u>
7	unrec					SEC. <u>—</u> , T <u>—</u> , R <u>—</u>

REMARKS:

* THESE two stations (1+2) were calibrated at end of this tape. (time for 20th)



SENTURION SCIENCES, INC.
TULSA, U.S.A.

AREA: BIEBER RUN DATE: 21 June, 19 73
 COUNTY: LASSEN STATION NOS. 1 thru 6
 STATE: CALIFORNIA

WEATHER

START TIME: 0250 Z, 21 June, 19 73

PRECIPITATION: TYPE NONE AMT. -

STOP TIME: * 0347Z, 22 June, 19 73

WIND: MAX. 35 mph, MIN. 2 mph

* TAPE WAS OFF WHEN ARRIVED
 at unit at 0347 BECAUSE of
 an apparent open in the
 power cable to the tape recorder

TEMP: MAX. 84 °F, MIN. 48 °F

CLOUD COVER: LIGHT SCATTERED

RECORDING AND INSTRUMENTATION DATA
 SYSTEM NO. _____

CHANNEL	STA. NO.	REC. ATT.	CALIBRATION INPUT: _____ MVPP		SEIS. NO.	STATION LOCATION
			ATT.	TIME		
1						SEC. _____, T _____, R _____
2						SEC. _____, T _____, R _____
3						SEC. _____, T _____, R _____
4						SEC. _____, T _____, R _____
5						SEC. _____, T _____, R _____
6						SEC. _____, T _____, R _____
7						SEC. _____, T _____, R _____

SAME AS PREVIOUS DAY

REMARKS:

Figure 3



SENTURION SCIENCES, INC.
TULSA, U.S.A.

AREA: BIEBER RUN DATE: 22 June, 19 73
 COUNTY: LASSEN STATION NOS. 1 thru 6
 STATE: CALIFORNIA

WEATHER

START TIME: 0355 Z, 22 June, 19 73 PRECIPITATION: TYPE RAIN AMT. 3.1957
 STOP TIME: 0331 Z, 23 June, 19 73 WIND: MAX. 25 mph, MIN. 4 mph
 TEMP.: MAX. 76 °F, MIN. 49 °F
 CLOUD COVER: HEAVY + DARK

RECORDING AND INSTRUMENTATION DATA
SYSTEM NO. _____

CHANNEL	STA. NO.	REC. ATT.	CALIBRATION INPUT: _____ MV PP		SEIS. NO.	STATION LOCATION
			ATT.	TIME		
1						SEC. _____, T _____, R _____
2						SEC. _____, T _____, R _____
3						SEC. _____, T _____, R _____
4	<u>4</u>	<u>12</u>	<u>24</u>	<u>0425</u>	<u>4</u>	SEC. _____, T _____, R _____
5						SEC. _____, T _____, R _____
6						SEC. _____, T _____, R _____
7						SEC. _____, T _____, R _____

REMARKS: (Sta & unit # 4) calibrated near the beginning of tape
 The rest of the stations were carried over from the previous day.



SENTURION SCIENCES, INC.
TULSA, U.S.A.

AREA: BIEBER RUN DATE: 23 June, 19 73
 COUNTY: LASSEN STATION NOS. 1 thru 6
 STATE: CALIFORNIA

WEATHER

START TIME: 0345 Z, 23 June, 19 73

PRECIPITATION: TYPE NONE AMT. —

STOP TIME: X Z, 24 June, 19 73

WIND: MAX. 24 mph, MIN. 3 mph

* tape OFF when arrived
at the receiver

TEMP: MAX. 84 °F, MIN. 42 °F

CLOUD COVER: HIGH, SCATTERED + light

RECORDING AND INSTRUMENTATION DATA
SYSTEM NO. _____

CHANNEL	STA. NO.	REC. ATT.	CALIBRATION INPUT: _____ MV PP		SEIS. NO.	STATION LOCATION
			ATT.	TIME		
1						<u>SAME</u> SEC. _____, T _____, R _____
2						" SEC. _____, T _____, R _____
3						" SEC. _____, T _____, R _____
4						" SEC. _____, T _____, R _____
5	<u>5</u>	<u>6</u>	<u>24</u>	<u>0009</u>	<u>5</u>	<u>SAME LOCATION</u> SEC. _____, T _____, R _____
6	<u>6^A</u>	<u>0</u>	<u>24</u>	<u>0025</u>	<u>6</u>	<u>NOT SURVEYED</u> SEC. _____, T _____, R _____ <u>yet</u>
7						SEC. _____, T _____, R _____

REMARKS:

Figure 3



SENTURION SCIENCES, INC.
TULSA, U.S.A.

AREA: BIEBER RUN DATE: 24 June, 19 73
 COUNTY: LASSEN STATION NOS. 1-6
 STATE: CALIFORNIA

WEATHER

START TIME: 0547 Z, 24 June 1973 PRECIPITATION: TYPE NONE AMT. —
 STOP TIME: 0058 Z, _____, 19_____ WIND: MAX. 22 mph, MIN. 5 mph
 TEMP: MAX. 92 °F, MIN. 51 °F
 CLOUD COVER: LIGHT Sc, Hazy + High

RECORDING AND INSTRUMENTATION DATA
 SYSTEM NO. _____

ALL BLANK SPACES REPEAT

CHANNEL	STA. NO.	REC. ATT.	CALIBRATION INPUT: _____ M V P P		SEIS. NO.	STATION LOCATION
			ATT.	TIME		
1	#					SEC. _____, T _____, R _____
2	1	0	24	2255		SEC. _____, T _____, R _____
3						SEC. _____, T _____, R _____
4						SEC. _____, T _____, R _____
5					(1)	NE 1/4 NE 1/4 SEC. 29, T 38N, R BE
6	6-B	0	{ SAME }			NOT SURVEYED SEC. _____, T _____, R _____
7						SEC. _____, T _____, R _____

REMARKS: Sta. 6-A SURVEYED IN TO BE SW 1/4 NE 1/4
 SEC. 4 T 37N R BE
 *NOTE 6 was moved to new location and will
 be surveyed in when pick up stations
 Figure 3

(1) Sta # 5 was surveyed in to be in indicated
 location

rows damaged sta # 1 record and
 set attenuation as indicated



SENTURION SCIENCES, INC.
TULSA, U.S.A.

AREA: PIEBER RUN DATE: 25 June, 19 73
 COUNTY: LASSEN STATION NOS. 1 thru 6
 STATE: CALIFORNIA

WEATHER

START TIME: 0108 Z, 25 June 19 73 PRECIPITATION: TYPE NONE AMT. —
 STOP TIME: 1921 Z, 26 June 19 73 WIND: MAX. 21 mph, MIN. 2 mph
 TEMP: MAX. 101 °F, MIN. 63 °F
 CLOUD COVER: LIGHT

RECORDING AND INSTRUMENTATION DATA
 SYSTEM NO. _____

CHANNEL	STA. NO.	REC. ATT.	CALIBRATION INPUT: _____ MV P-P		SEIS. NO.	STATION LOCATION
			ATT.	TIME		
1						SEC. _____, T _____, R _____
2						SEC. _____, T _____, R _____
3						SEC. _____, T _____, R _____
* 4	4	12	24	1710		SEC. _____, T _____, R _____
5						SEC. _____, T _____, R _____
6						SEC. _____, T _____, R _____
7						SEC. _____, T _____, R _____

REMARKS: * changed battery & cal. on station # 4 & the rest same as previous day

Figure 3



SENTURION SCIENCES, INC.
TULSA, U.S.A.

AREA: Bieter RUN DATE: 26 June, 19 73
 COUNTY: LASSEN STATION NOS. 1 June 6
 STATE: CALIFORNIA

WEATHER

START TIME: 1926Z, 26 June, 19 73
 STOP TIME: * Z, , 19
tape run off when arrived at station

PRECIPITATION: TYPE NONE AMT.
 WIND: MAX. 15 mph, MIN. 2 mph
 TEMP: MAX. 101 °F, MIN. 63 °F
 CLOUD COVER: ~~LT~~ CLEAR

RECORDING AND INSTRUMENTATION DATA

SYSTEM NO. *JMC*

CHANNEL	STA. NO.	REC. ATT.	CALIBRATION INPUT: <u> </u> MV PP		SEIS. NO.	STATION LOCATION
			ATT.	TIME		
1	2	0	24	2055		SEC. <u> </u> , T <u> </u> , R <u> </u>
2						SEC. <u> </u> , T <u> </u> , R <u> </u>
3						SEC. <u> </u> , T <u> </u> , R <u> </u>
4						SEC. <u> </u> , T <u> </u> , R <u> </u>
5						SEC. <u> </u> , T <u> </u> , R <u> </u>
6						SEC. <u> </u> , T <u> </u> , R <u> </u>
7						SEC. <u> </u> , T <u> </u> , R <u> </u>

REMARKS:

*BATTERY ON CHANNEL # 3 changed and re-calibrated
 sta # 2 surveyed in to be on exactly where
 we had it plotted before
 Figure 3*



SENTURION SCIENCES, INC.
TULSA, U.S.A.

AREA: BIEBER RUN DATE: 27 June, 19 73
 COUNTY: LASSEN STATION NOS. 1 thru 6
 STATE: CALIFORNIA

WEATHER

START TIME: 2321 Z, 27 June, 19 73 PRECIPITATION: TYPE None AMT. _____
 STOP TIME: 2330 Z, 28 June, 19 73 WIND: MAX. 12 mph, MIN. 2 mph
 TEMP: MAX. 98 °F, MIN. 59 °F
 CLOUD COVER: Clear

RECORDING AND INSTRUMENTATION DATA
 SYSTEM NO. _____

CHANNEL	STA. NO.	REC. ATT.	CALIBRATION INPUT: _____ MYP.P		SEIS. NO.	STATION LOCATION
			ATT.	TIME		
1						SEC. _____, T _____, R _____
2						SEC. _____, T _____, R _____
3						SEC. _____, T _____, R _____
4						SEC. _____, T _____, R _____
5	<u>5</u>	<u>12</u>	<u>24</u>	<u>0101</u>		SEC. _____, T _____, R _____
6		<u>Time</u>				SEC. _____, T _____, R _____
7						SEC. _____, T _____, R _____

REMARKS:

Time

Figure 3

Sta # 1 OFF 1829Z 28 June 73
 Sta # 2 OFF 1900Z 28 June 73
 rest of stations turned off
 after tape was turned off