



ORIGINAL NAME

LINE –7101BBR01T155

AREA: Barreirinhas

CLIENT: Exploration Services/TGS Nopec

NEW NAME

**LINE: 0258-5101**

**AREA: 0258-2D\_SPEC\_BM\_BAR**

**CLIENT: TGS-Nopec.**

# ACQUISITION REPORT Sequence-0155

**Survey:**

Client Exploration Services  
 Area Para-Maranhao  
 Vessel GECO\_TAU  
 JobNumber 7443B  
 Survey Type 2D

**Sequence:**

Linename 7101BBR1T155  
 Preplot 7101BBR  
 Direction 6.0°  
 SOL Date 03:29:49utc 22-Mar-2001  
 EOL Date 10:59:05utc 22-Mar-2001

**Attributes:**

Wind Force 22.0 [knots] Dir NE  
 Swell Height 2.0 [meters] Dir NE  
 Propellor rpm [avg]  
 Propellor pitch 59 [avg]

|               | SOL       | EOL        |            |
|---------------|-----------|------------|------------|
| Waterdepth    | 27.0      | 3502.0     | [meters]   |
| Bottomspeed   | 5.2       | 5.5        | [knots]    |
| Featherangle  | port -4.2 | port -13.3 | [deg]      |
| Cable noise   | 5.4       | 6.7        | [μBar rms] |
| Lowcut filter | 3         | 3          | [hz]       |
| Filter slope  | 18        | 18         | [dB]       |
| Streamer      | 7.0       | 7.0        |            |
| Depth         |           |            |            |

**Production**

|                     | Shotpoint   | File        | Time [utc]          |
|---------------------|-------------|-------------|---------------------|
| SOL Noise Record(s) |             | 2 - 2801    |                     |
| SOL Dummy Record(s) | 2802 - 2811 | 2802 - 2811 | 03:27:34 - 03:29:35 |
| FSP Start of Line   | 2812        | 2812        | 03:29:49            |
| MSP                 |             |             |                     |
| LSP End of Line     | 4881        | 4881        | 10:59:05            |
| EOL Dummy Record(s) | 4882 - 4891 | 4882 - 4891 | 10:59:19 - 11:01:15 |
| EOL Noise Record(s) |             | 4892 - 4893 |                     |

**Line-segments:**

| SPs         | Files       | Times [utc]       | Type  | # CMPs | Status | Remarks |
|-------------|-------------|-------------------|-------|--------|--------|---------|
| 2812 - 4881 | 2812 - 4881 | 03:29:49-10:59:05 | Prime | 1      | Valid  |         |

**Remarks:**

Navigation  
 Recording QC

**Tape-list**

| Shot(s)     | Files       | Stream 2<br>DeckReel    | Remark |
|-------------|-------------|-------------------------|--------|
| 2800 - 4681 | 2800 - 4681 | 1 277                   |        |
| 4682 - 4893 | 4682 - 4893 | 2 278                   |        |
| Shot(s)     | Files       | Stream 4<br>DeckReel    | Remark |
| 2800 - 4683 | 2800 - 4683 | 3 1281                  |        |
| 4684 - 4893 | 4684 - 4893 | 4 1282                  |        |
| Shot(s)     | Files       | Stream 1001<br>DeckReel | Remark |
| 1 - 4893    | 1 - 4893    | 1001 0                  |        |

**Seismic Data Annotations****NTBP**

| <b>Shot(s)</b> | <b>File(s)</b> | <b>Trace(s)</b> | <b>Type</b>      | <b>Remark</b>                         |
|----------------|----------------|-----------------|------------------|---------------------------------------|
| 2800-4893      |                | 69-70           | Killed traces    |                                       |
| 2813           | 2813           | ALL             | Gun timing error | Gun 3-1 error (ms) : 2.10             |
| 2832           | 2832           | ALL             | Gun timing error | Gun 4-1 error (ms) : 2.30             |
| 2833           | 2833           | ALL             | Gun timing error | Gun 4-1 error (ms) : 2.10             |
| 2865           | 2865           | ALL             | Gun timing error | Gun 4-1 error (ms) : 2.10             |
| 2880           | 2880           | ALL             | Gun timing error | Gun 4-1 error (ms) : 2.30             |
| 2930           | 2930           | ALL             | Gun timing error | Gun 4-1 error (ms) : 2.20             |
| 2938           | 2938           | ALL             | Gun timing error | Gun 3-1 error (ms) : 2.50             |
| 2958           | 2958           | ALL             | Gun timing error | Gun 4-1 error (ms) : 2.20             |
| 3004           | 3004           | ALL             | Gun timing error | Gun 4-1 error (ms) : 2.20             |
| 3080           | 3080           | ALL             | Gun timing error | Gun 4-1 error (ms) : 2.30             |
| 3081           | 3081           | ALL             | Gun timing error | Gun 4-1 error (ms) : 3.00             |
| 3086           | 3086           | ALL             | Gun timing error | Gun 4-1 error (ms) : 2.40             |
| 3106           | 3106           | ALL             | Gun timing error | Gun 4-1 error (ms) : 2.10             |
| 3155           | 3155           | ALL             | Gun timing error | Gun 3-1 error (ms) : 2.10             |
| 3214           | 3214           | ALL             | Gun timing error | Gun 4-1 error (ms) : 2.20             |
| 3323           | 3323           | ALL             | Gun timing error | Gun 4-1 error (ms) : 2.40             |
| 3342           | 3342           | ALL             | Gun timing error | Gun 4-1 error (ms) : 2.10             |
| 3346           | 3346           | ALL             | Gun timing error | Gun 3-1 error (ms) : 2.40             |
| 3414           | 3414           | ALL             | Gun timing error | Gun 3-1 error (ms) : 2.20             |
| 3430           | 3430           | ALL             | Gun timing error | Gun 4-1 error (ms) : 2.10             |
| 3437           | 3437           | ALL             | Gun timing error | Gun 4-1 error (ms) : 2.30             |
| 3450           | 3450           | ALL             | Gun timing error | Gun 3-1 error (ms) : 2.20             |
| 3451           | 3451           | ALL             | Gun timing error | Gun 4-1 error (ms) : 2.30             |
| 3573           | 3573           | ALL             | Gun timing error | Gun 4-1 error (ms) : 2.30             |
| 3596           | 3596           | ALL             | Gun timing error | Gun 3-1 error (ms) : 2.40             |
| 3612           | 3612           | ALL             | Gun timing error | Gun 4-1 error (ms) : 2.40             |
| 3647           | 3647           | ALL             | Gun timing error | Gun 5-1 error (ms) : 2.60             |
| 3660           |                | ALL             | Missing File     | File not recorded by recording system |
| 3664           | 3664           | ALL             | Gun timing error | Gun 4-1 error (ms) : 2.90             |
| 3678           |                | ALL             | Missing File     | File not recorded by recording system |
| 3682           | 3682           | ALL             | Gun timing error | Gun 4-1 error (ms) : 2.20             |
| 3706           | 3706           | ALL             | Gun timing error | Gun 4-1 error (ms) : 2.30             |
| 3737           | 3737           | ALL             | Gun timing error | Gun 4-1 error (ms) : 2.20             |
| 3775           |                | ALL             | Gun timing error | Gun 4-1 error (ms) : 2.10             |
| 3803           |                | ALL             | Gun timing error | Gun 4-1 error (ms) : 2.50             |
| 3817           |                | ALL             | Gun timing error | Gun 3-1 error (ms) : 2.10             |
| 3862           | 3862           | ALL             | Gun timing error | Gun 5-1 error (ms) : 2.60             |
| 3879           |                | ALL             | Missing File     | File not recorded by recording system |
| 3881           |                | ALL             | Missing File     | File not recorded by recording system |
| 3885           | 3885           | ALL             | Gun timing error | Gun 4-1 error (ms) : 2.90             |
| 3891           | 3891           | ALL             | Gun timing error | Gun 4-1 error (ms) : 2.10             |
| 3950           | 3950           | ALL             | Gun timing error | Gun 3-1 error (ms) : 2.10             |
| 4003           | 4003           | ALL             | Gun timing error | Gun 3-1 error (ms) : 2.10             |
| 4031           | 4031           | ALL             | Gun timing error | Gun 3-1 error (ms) : 2.80             |
| 4040           | 4040           | ALL             | Gun timing error | Gun 3-1 error (ms) : 2.10             |
| 4057           |                | ALL             | Missing File     | File not recorded by recording system |
| 4060           |                | ALL             | Missing File     | File not recorded by recording system |
| 4100           | 4100           | ALL             | Gun timing error | Gun 4-1 error (ms) : 2.20             |
| 4108           | 4108           | ALL             | Gun timing error | Gun 5-1 error (ms) : 2.40             |
| 4111           |                | ALL             | Missing File     | File not recorded by recording system |
| 4155           | 4155           | ALL             | Gun timing error | Gun 2-1 error (ms) : 2.20             |
| 4156           | 4156           | ALL             | Gun timing error | Gun 4-1 error (ms) : 2.30             |
| 4161           | 4161           | ALL             | Gun timing error | Gun 3-1 error (ms) : 2.20             |
| 4180           | 4180           | ALL             | Gun timing error | Gun 5-1 error (ms) : 2.10             |

|      |      |     |                  |                                       |
|------|------|-----|------------------|---------------------------------------|
| 4185 | 4185 | ALL | Gun timing error | Gun 4-1 error (ms) : 2.80             |
| 4206 | 4206 | ALL | Gun timing error | Gun 4-1 error (ms) : 3.10             |
| 4207 | 4207 | ALL | Gun timing error | Gun 4-1 error (ms) : 2.40             |
| 4214 | 4214 | ALL | Gun timing error | Gun 4-1 error (ms) : 2.60             |
| 4266 | 4266 | ALL | Gun timing error | Gun 4-1 error (ms) : 2.10             |
| 4350 | 4350 | ALL | Gun timing error | Gun 4-1 error (ms) : 3.00             |
| 4360 | 4360 | ALL | Gun timing error | Gun 4-1 error (ms) : 2.10             |
| 4362 | 4362 | ALL | Gun timing error | Gun 4-1 error (ms) : 2.70             |
| 4387 | 4387 | ALL | Gun timing error | Gun 4-1 error (ms) : 2.20             |
| 4467 | 4467 | ALL | Gun timing error | Gun 4-1 error (ms) : 2.80             |
| 4505 | 4505 | ALL | Gun timing error | Gun 4-1 error (ms) : 2.40             |
| 4520 |      | ALL | Missing File     | File not recorded by recording system |
| 4521 | 4521 | ALL | Gun timing error | Gun 1-2 error (ms) : -2.50            |
| 4526 | 4526 | ALL | Gun timing error | Gun 4-1 error (ms) : 2.50             |
| 4531 | 4531 | ALL | Gun timing error | Gun 4-1 error (ms) : 2.60             |
| 4546 | 4546 | ALL | Gun timing error | Gun 3-1 error (ms) : 2.10             |
| 4559 | 4559 | ALL | Gun timing error | Gun 4-1 error (ms) : 2.50             |
| 4574 | 4574 | ALL | Gun timing error | Gun 4-1 error (ms) : 2.70             |
| 4585 | 4585 | ALL | Gun timing error | Gun 4-1 error (ms) : 2.40             |
| 4603 | 4603 | ALL | Gun timing error | Gun 3-1 error (ms) : 2.20             |
| 4615 | 4615 | ALL | Gun timing error | Gun 4-1 error (ms) : 2.10             |
| 4622 | 4622 | ALL | Gun timing error | Gun 4-1 error (ms) : 2.40             |
| 4624 |      | ALL | Missing File     | File not recorded by recording system |
| 4628 | 4628 | ALL | Gun timing error | Gun 3-1 error (ms) : 2.10             |
| 4635 |      | ALL | Missing File     | File not recorded by recording system |
| 4654 |      | ALL | Missing File     | File not recorded by recording system |
| 4659 | 4659 | ALL | Gun timing error | Gun 3-1 error (ms) : 2.20             |
| 4660 | 4660 | ALL | Gun timing error | Gun 4-1 error (ms) : 2.10             |
| 4662 | 4662 | ALL | Gun timing error | Gun 4-1 error (ms) : 2.20             |
| 4704 | 4704 | ALL | Gun timing error | Gun 4-1 error (ms) : 2.60             |
| 4705 | 4705 | ALL | Gun timing error | Gun 4-1 error (ms) : 2.10             |
| 4756 |      | ALL | Missing File     | File not recorded by recording system |
| 4760 | 4760 | ALL | Gun timing error | Gun 3-1 error (ms) : 2.50             |
| 4762 | 4762 | ALL | Gun timing error | Gun 4-1 error (ms) : 2.20             |
| 4811 | 4811 | ALL | Gun timing error | Gun 4-1 error (ms) : -2.10            |
| 4828 | 4828 | ALL | Gun timing error | Gun 4-1 error (ms) : 2.40             |
| 4838 | 4838 | ALL | Gun timing error | Gun 4-1 error (ms) : 2.20             |
| 4840 | 4840 | ALL | Gun timing error | Gun 3-1 error (ms) : 2.20             |
| 4842 | 4842 | ALL | Gun timing error | Gun 4-1 error (ms) : 2.30             |
| 4849 | 4849 | ALL | Gun timing error | Gun 4-1 error (ms) : 2.40             |

## Warning

| Shot(s)   | File(s) | Trace(s)                        | Type                   | Remark                     |
|-----------|---------|---------------------------------|------------------------|----------------------------|
| 2800-4893 |         | 73, 94, 118, 136, 193, 197, 214 | Weak traces            | 6.0dB down                 |
| 2815      | 2815    | ALL                             | Gun timing error       | Gun 3-1 error (ms) : 1.80  |
| 2819      | 2819    | ALL                             | Gun timing error       | Gun 4-1 error (ms) : 1.90  |
| 2821      | 2821    | ALL                             | Gun timing error       | Gun 3-1 error (ms) : -1.90 |
| 2822      | 2822    | ALL                             | Gun timing error       | Gun 2-1 error (ms) : 1.90  |
| 2822      | 2822    | ALL                             | Gun timing error       | Gun 4-1 error (ms) : 1.60  |
| 2823      | 2823    | ALL                             | Gun timing error       | Gun 3-1 error (ms) : -1.70 |
| 2833      | 2833    | ALL                             | Gun timing error       | Gun 3-1 error (ms) : 1.70  |
| 2836      | 2836    | ALL                             | Gun timing error       | Gun 3-1 error (ms) : 1.80  |
| 2838      | 2838    | NONE                            | Bird depth out of spec | Bird C1-4                  |
| 2843      | 2843    | ALL                             | Gun timing error       | Gun 3-1 error (ms) : -1.60 |
| 2875      | 2875    | ALL                             | Gun timing error       | Gun 5-1 error (ms) : 1.70  |
| 2907      | 2907    | ALL                             | Gun timing error       | Gun 4-1 error (ms) : 1.80  |
| 2910      | 2910    | ALL                             | Gun timing error       | Gun 4-1 error (ms) : 1.70  |
| 2912      | 2912    | ALL                             | Gun timing error       | Gun 3-1 error (ms) : 2.00  |
| 2932      | 2932    | ALL                             | Gun timing error       | Gun 4-1 error (ms) : 1.80  |

|      |      |     |                  |                            |
|------|------|-----|------------------|----------------------------|
| 2932 | 2932 | ALL | Gun timing error | Gun 5-1 error (ms) : 1.60  |
| 2940 | 2940 | ALL | Gun timing error | Gun 5-1 error (ms) : 1.90  |
| 2951 | 2951 | ALL | Gun timing error | Gun 4-1 error (ms) : 2.00  |
| 2994 | 2994 | ALL | Gun timing error | Gun 3-1 error (ms) : 1.60  |
| 3008 | 3008 | ALL | Gun timing error | Gun 3-1 error (ms) : 1.70  |
| 3017 | 3017 | ALL | Gun timing error | Gun 3-1 error (ms) : 1.60  |
| 3022 | 3022 | ALL | Gun timing error | Gun 4-1 error (ms) : 1.70  |
| 3037 | 3037 | ALL | Gun timing error | Gun 4-1 error (ms) : 1.70  |
| 3054 | 3054 | ALL | Gun timing error | Gun 3-1 error (ms) : 1.60  |
| 3062 | 3062 | ALL | Gun timing error | Gun 3-1 error (ms) : 1.60  |
| 3062 | 3062 | ALL | Gun timing error | Gun 4-1 error (ms) : 1.90  |
| 3068 | 3068 | ALL | Gun timing error | Gun 3-1 error (ms) : -2.00 |
| 3086 | 3086 | ALL | Gun timing error | Gun 3-1 error (ms) : 1.60  |
| 3149 | 3149 | ALL | Gun timing error | Gun 3-1 error (ms) : -1.60 |
| 3156 | 3156 | ALL | Gun timing error | Gun 3-1 error (ms) : 1.80  |
| 3162 | 3162 | ALL | Gun timing error | Gun 3-1 error (ms) : 1.60  |
| 3184 | 3184 | ALL | Gun timing error | Gun 4-1 error (ms) : 1.60  |
| 3202 | 3202 | ALL | Gun timing error | Gun 4-1 error (ms) : 1.60  |
| 3213 | 3213 | ALL | Gun timing error | Gun 4-1 error (ms) : 1.70  |
| 3237 | 3237 | ALL | Gun timing error | Gun 4-1 error (ms) : 2.00  |
| 3252 | 3252 | ALL | Gun timing error | Gun 3-1 error (ms) : 1.80  |
| 3254 | 3254 | ALL | Gun timing error | Gun 4-1 error (ms) : 1.90  |
| 3262 | 3262 | ALL | Gun timing error | Gun 4-1 error (ms) : 1.60  |
| 3274 | 3274 | ALL | Gun timing error | Gun 3-1 error (ms) : 1.70  |
| 3278 | 3278 | ALL | Gun timing error | Gun 3-1 error (ms) : 1.80  |
| 3291 | 3291 | ALL | Gun timing error | Gun 3-1 error (ms) : 1.80  |
| 3295 | 3295 | ALL | Gun timing error | Gun 3-1 error (ms) : 1.60  |
| 3300 | 3300 | ALL | Gun timing error | Gun 3-1 error (ms) : -1.60 |
| 3327 | 3327 | ALL | Gun timing error | Gun 5-1 error (ms) : -1.60 |
| 3331 | 3331 | ALL | Gun timing error | Gun 4-1 error (ms) : 1.70  |
| 3335 | 3335 | ALL | Gun timing error | Gun 2-2 error (ms) : -1.60 |
| 3346 | 3346 | ALL | Gun timing error | Gun 4-1 error (ms) : 1.90  |
| 3349 | 3349 | ALL | Gun timing error | Gun 3-1 error (ms) : 2.00  |
| 3357 | 3357 | ALL | Gun timing error | Gun 3-1 error (ms) : 1.80  |
| 3359 | 3359 | ALL | Gun timing error | Gun 3-1 error (ms) : -1.60 |
| 3367 | 3367 | ALL | Gun timing error | Gun 4-1 error (ms) : 1.60  |
| 3368 | 3368 | ALL | Gun timing error | Gun 5-1 error (ms) : 1.80  |
| 3369 | 3369 | ALL | Gun timing error | Gun 3-1 error (ms) : 1.60  |
| 3374 | 3374 | ALL | Gun timing error | Gun 3-1 error (ms) : 1.80  |
| 3389 | 3389 | ALL | Gun timing error | Gun 4-1 error (ms) : 1.70  |
| 3391 | 3391 | ALL | Gun timing error | Gun 3-1 error (ms) : 1.70  |
| 3404 | 3404 | ALL | Gun timing error | Gun 4-1 error (ms) : 1.60  |
| 3408 | 3408 | ALL | Gun timing error | Gun 3-1 error (ms) : 1.80  |
| 3417 | 3417 | ALL | Gun timing error | Gun 4-1 error (ms) : 1.60  |
| 3418 | 3418 | ALL | Gun timing error | Gun 5-1 error (ms) : 1.60  |
| 3421 | 3421 | ALL | Gun timing error | Gun 2-1 error (ms) : 1.70  |
| 3421 | 3421 | ALL | Gun timing error | Gun 5-1 error (ms) : -1.60 |
| 3452 | 3452 | ALL | Gun timing error | Gun 4-1 error (ms) : 1.80  |
| 3459 | 3459 | ALL | Gun timing error | Gun 4-1 error (ms) : 1.80  |
| 3464 | 3464 | ALL | Gun timing error | Gun 3-1 error (ms) : 1.80  |
| 3465 | 3465 | ALL | Gun timing error | Gun 3-1 error (ms) : 1.80  |
| 3471 | 3471 | ALL | Gun timing error | Gun 3-1 error (ms) : -1.70 |
| 3478 | 3478 | ALL | Gun timing error | Gun 3-1 error (ms) : 1.70  |
| 3489 | 3489 | ALL | Gun timing error | Gun 3-1 error (ms) : 1.90  |
| 3502 | 3502 | ALL | Gun timing error | Gun 4-1 error (ms) : 1.70  |
| 3504 | 3504 | ALL | Gun timing error | Gun 2-1 error (ms) : 1.70  |
| 3510 | 3510 | ALL | Gun timing error | Gun 3-1 error (ms) : 1.80  |
| 3548 | 3548 | ALL | Gun timing error | Gun 4-1 error (ms) : 1.60  |
| 3557 | 3557 | ALL | Gun timing error | Gun 4-1 error (ms) : 1.80  |
| 3579 | 3579 | ALL | Gun timing error | Gun 3-1 error (ms) : 1.70  |

|      |      |     |                  |                            |
|------|------|-----|------------------|----------------------------|
| 3594 | 3594 | ALL | Gun timing error | Gun 4-1 error (ms) : 1.60  |
| 3595 | 3595 | ALL | Gun timing error | Gun 3-1 error (ms) : 1.70  |
| 3598 | 3598 | ALL | Gun timing error | Gun 4-1 error (ms) : 1.60  |
| 3603 | 3603 | ALL | Gun timing error | Gun 4-1 error (ms) : 1.90  |
| 3609 | 3609 | ALL | Gun timing error | Gun 5-1 error (ms) : 1.90  |
| 3614 | 3614 | ALL | Gun timing error | Gun 3-1 error (ms) : 1.70  |
| 3629 | 3629 | ALL | Gun timing error | Gun 3-1 error (ms) : 1.60  |
| 3632 | 3632 | ALL | Gun timing error | Gun 2-1 error (ms) : 1.80  |
| 3644 | 3644 | ALL | Gun timing error | Gun 5-1 error (ms) : -1.70 |
| 3661 | 3661 | ALL | Gun timing error | Gun 4-1 error (ms) : 1.70  |
| 3666 | 3666 | ALL | Gun timing error | Gun 4-1 error (ms) : 1.60  |
| 3674 | 3674 | ALL | Gun timing error | Gun 5-1 error (ms) : 1.70  |
| 3686 | 3686 | ALL | Gun timing error | Gun 2-2 error (ms) : -1.70 |
| 3688 | 3688 | ALL | Gun timing error | Gun 4-1 error (ms) : 1.70  |
| 3691 | 3691 | ALL | Gun timing error | Gun 3-1 error (ms) : -1.90 |
| 3720 | 3720 | ALL | Gun timing error | Gun 4-1 error (ms) : 1.90  |
| 3723 | 3723 | ALL | Gun timing error | Gun 4-1 error (ms) : 1.80  |
| 3739 | 3739 | ALL | Gun timing error | Gun 3-1 error (ms) : 1.90  |
| 3740 | 3740 | ALL | Gun timing error | Gun 3-1 error (ms) : 1.70  |
| 3740 | 3740 | ALL | Gun timing error | Gun 5-1 error (ms) : 1.60  |
| 3761 |      | ALL | Gun timing error | Gun 4-1 error (ms) : 1.80  |
| 3769 |      | ALL | Gun timing error | Gun 3-1 error (ms) : 1.60  |
| 3771 |      | ALL | Gun timing error | Gun 3-1 error (ms) : 1.60  |
| 3842 | 3842 | ALL | Gun timing error | Gun 3-1 error (ms) : 1.80  |
| 3844 | 3844 | ALL | Gun timing error | Gun 3-1 error (ms) : 1.70  |
| 3846 | 3846 | ALL | Gun timing error | Gun 4-1 error (ms) : 1.60  |
| 3849 | 3849 | ALL | Gun timing error | Gun 3-1 error (ms) : -1.80 |
| 3865 | 3865 | ALL | Gun timing error | Gun 4-1 error (ms) : 1.80  |
| 3871 | 3871 | ALL | Gun timing error | Gun 4-1 error (ms) : -1.60 |
| 3902 | 3902 | ALL | Gun timing error | Gun 4-1 error (ms) : 1.70  |
| 3929 | 3929 | ALL | Gun timing error | Gun 3-1 error (ms) : 1.90  |
| 3938 | 3938 | ALL | Gun timing error | Gun 3-1 error (ms) : 1.60  |
| 3939 | 3939 | ALL | Gun timing error | Gun 2-1 error (ms) : 1.80  |
| 3944 | 3944 | ALL | Gun timing error | Gun 4-1 error (ms) : 1.90  |
| 3955 | 3955 | ALL | Gun timing error | Gun 3-1 error (ms) : 1.60  |
| 3985 | 3985 | ALL | Gun timing error | Gun 4-1 error (ms) : 2.00  |
| 3988 | 3988 | ALL | Gun timing error | Gun 4-1 error (ms) : 1.70  |
| 4011 | 4011 | ALL | Gun timing error | Gun 4-1 error (ms) : 1.70  |
| 4026 | 4026 | ALL | Gun timing error | Gun 4-1 error (ms) : 1.80  |
| 4029 | 4029 | ALL | Gun timing error | Gun 4-1 error (ms) : 1.60  |
| 4037 | 4037 | ALL | Gun timing error | Gun 5-1 error (ms) : 1.70  |
| 4043 | 4043 | ALL | Gun timing error | Gun 4-1 error (ms) : 1.60  |
| 4052 | 4052 | ALL | Gun timing error | Gun 4-1 error (ms) : 1.70  |
| 4067 | 4067 | ALL | Gun timing error | Gun 3-1 error (ms) : 1.90  |
| 4068 | 4068 | ALL | Gun timing error | Gun 5-1 error (ms) : -1.80 |
| 4082 | 4082 | ALL | Gun timing error | Gun 3-1 error (ms) : 1.80  |
| 4091 | 4091 | ALL | Gun timing error | Gun 3-1 error (ms) : 1.70  |
| 4139 | 4139 | ALL | Gun timing error | Gun 2-1 error (ms) : 1.90  |
| 4146 | 4146 | ALL | Gun timing error | Gun 3-1 error (ms) : 1.60  |
| 4152 | 4152 | ALL | Gun timing error | Gun 3-1 error (ms) : 1.70  |
| 4157 | 4157 | ALL | Gun timing error | Gun 4-1 error (ms) : 1.70  |
| 4159 | 4159 | ALL | Gun timing error | Gun 4-1 error (ms) : 1.90  |
| 4174 | 4174 | ALL | Gun timing error | Gun 3-1 error (ms) : 1.70  |
| 4181 | 4181 | ALL | Gun timing error | Gun 3-1 error (ms) : 1.90  |
| 4181 | 4181 | ALL | Gun timing error | Gun 5-2 error (ms) : -1.60 |
| 4183 | 4183 | ALL | Gun timing error | Gun 3-1 error (ms) : 1.80  |
| 4184 | 4184 | ALL | Gun timing error | Gun 3-1 error (ms) : 1.80  |
| 4191 | 4191 | ALL | Gun timing error | Gun 3-1 error (ms) : -1.70 |
| 4193 | 4193 | ALL | Gun timing error | Gun 3-1 error (ms) : -1.60 |
| 4198 | 4198 | ALL | Gun timing error | Gun 4-1 error (ms) : 1.70  |

|      |      |     |                  |                            |
|------|------|-----|------------------|----------------------------|
| 4207 | 4207 | ALL | Gun timing error | Gun 3-1 error (ms) : 2.00  |
| 4210 | 4210 | ALL | Gun timing error | Gun 2-1 error (ms) : 1.60  |
| 4210 | 4210 | ALL | Gun timing error | Gun 3-1 error (ms) : 1.70  |
| 4222 | 4222 | ALL | Gun timing error | Gun 4-1 error (ms) : -1.70 |
| 4223 | 4223 | ALL | Gun timing error | Gun 2-1 error (ms) : 1.80  |
| 4230 | 4230 | ALL | Gun timing error | Gun 5-1 error (ms) : 2.00  |
| 4231 | 4231 | ALL | Gun timing error | Gun 2-1 error (ms) : 1.60  |
| 4236 | 4236 | ALL | Gun timing error | Gun 3-1 error (ms) : 2.00  |
| 4237 | 4237 | ALL | Gun timing error | Gun 5-1 error (ms) : 1.60  |
| 4239 | 4239 | ALL | Gun timing error | Gun 4-1 error (ms) : 1.70  |
| 4256 | 4256 | ALL | Gun timing error | Gun 4-1 error (ms) : 1.80  |
| 4259 | 4259 | ALL | Gun timing error | Gun 2-1 error (ms) : 1.80  |
| 4259 | 4259 | ALL | Gun timing error | Gun 4-1 error (ms) : 1.70  |
| 4262 | 4262 | ALL | Gun timing error | Gun 3-1 error (ms) : 2.00  |
| 4269 | 4269 | ALL | Gun timing error | Gun 4-1 error (ms) : 1.60  |
| 4282 | 4282 | ALL | Gun timing error | Gun 3-1 error (ms) : 2.00  |
| 4282 | 4282 | ALL | Gun timing error | Gun 4-1 error (ms) : 2.00  |
| 4283 | 4283 | ALL | Gun timing error | Gun 3-1 error (ms) : 1.90  |
| 4286 | 4286 | ALL | Gun timing error | Gun 3-1 error (ms) : 1.80  |
| 4286 | 4286 | ALL | Gun timing error | Gun 4-1 error (ms) : 2.00  |
| 4289 | 4289 | ALL | Gun timing error | Gun 3-1 error (ms) : -1.70 |
| 4293 | 4293 | ALL | Gun timing error | Gun 3-1 error (ms) : 1.60  |
| 4297 | 4297 | ALL | Gun timing error | Gun 4-1 error (ms) : 1.90  |
| 4300 | 4300 | ALL | Gun timing error | Gun 3-1 error (ms) : -1.60 |
| 4304 | 4304 | ALL | Gun timing error | Gun 4-1 error (ms) : 2.00  |
| 4314 | 4314 | ALL | Gun timing error | Gun 4-1 error (ms) : 2.00  |
| 4324 | 4324 | ALL | Gun timing error | Gun 4-1 error (ms) : 1.70  |
| 4328 | 4328 | ALL | Gun timing error | Gun 5-1 error (ms) : 2.00  |
| 4330 | 4330 | ALL | Gun timing error | Gun 4-1 error (ms) : 2.00  |
| 4333 | 4333 | ALL | Gun timing error | Gun 3-1 error (ms) : 1.60  |
| 4353 | 4353 | ALL | Gun timing error | Gun 3-1 error (ms) : 1.90  |
| 4371 | 4371 | ALL | Gun timing error | Gun 4-1 error (ms) : 1.90  |
| 4376 | 4376 | ALL | Gun timing error | Gun 3-1 error (ms) : 1.60  |
| 4392 | 4392 | ALL | Gun timing error | Gun 3-1 error (ms) : 1.60  |
| 4402 | 4402 | ALL | Gun timing error | Gun 5-1 error (ms) : 1.80  |
| 4411 | 4411 | ALL | Gun timing error | Gun 3-1 error (ms) : 1.90  |
| 4415 | 4415 | ALL | Gun timing error | Gun 4-1 error (ms) : 1.60  |
| 4421 | 4421 | ALL | Gun timing error | Gun 2-1 error (ms) : 1.80  |
| 4427 | 4427 | ALL | Gun timing error | Gun 3-1 error (ms) : 1.70  |
| 4433 | 4433 | ALL | Gun timing error | Gun 3-1 error (ms) : -2.00 |
| 4435 | 4435 | ALL | Gun timing error | Gun 5-1 error (ms) : 1.60  |
| 4446 | 4446 | ALL | Gun timing error | Gun 2-2 error (ms) : -1.70 |
| 4462 | 4462 | ALL | Gun timing error | Gun 4-1 error (ms) : 1.90  |
| 4472 | 4472 | ALL | Gun timing error | Gun 4-1 error (ms) : 1.70  |
| 4474 | 4474 | ALL | Gun timing error | Gun 3-1 error (ms) : 1.70  |
| 4476 | 4476 | ALL | Gun timing error | Gun 5-1 error (ms) : 1.90  |
| 4485 | 4485 | ALL | Gun timing error | Gun 2-1 error (ms) : 1.70  |
| 4494 | 4494 | ALL | Gun timing error | Gun 3-1 error (ms) : 1.80  |
| 4511 | 4511 | ALL | Gun timing error | Gun 3-1 error (ms) : 2.00  |
| 4513 | 4513 | ALL | Gun timing error | Gun 3-1 error (ms) : 1.90  |
| 4514 | 4514 | ALL | Gun timing error | Gun 3-1 error (ms) : 1.60  |
| 4522 | 4522 | ALL | Gun timing error | Gun 3-1 error (ms) : 1.90  |
| 4533 | 4533 | ALL | Gun timing error | Gun 5-1 error (ms) : 2.00  |
| 4549 | 4549 | ALL | Gun timing error | Gun 4-1 error (ms) : 1.80  |
| 4560 | 4560 | ALL | Gun timing error | Gun 3-1 error (ms) : 1.90  |
| 4560 | 4560 | ALL | Gun timing error | Gun 4-1 error (ms) : 1.80  |
| 4564 | 4564 | ALL | Gun timing error | Gun 4-1 error (ms) : 2.00  |
| 4569 | 4569 | ALL | Gun timing error | Gun 4-1 error (ms) : -1.80 |
| 4575 | 4575 | ALL | Gun timing error | Gun 3-1 error (ms) : 1.80  |
| 4578 | 4578 | ALL | Gun timing error | Gun 3-1 error (ms) : 1.80  |

|      |      |     |                  |                            |
|------|------|-----|------------------|----------------------------|
| 4586 | 4586 | ALL | Gun timing error | Gun 1-2 error (ms) : -1.70 |
| 4589 | 4589 | ALL | Gun timing error | Gun 3-1 error (ms) : 1.60  |
| 4590 | 4590 | ALL | Gun timing error | Gun 4-1 error (ms) : 2.00  |
| 4591 | 4591 | ALL | Gun timing error | Gun 3-1 error (ms) : 1.90  |
| 4593 | 4593 | ALL | Gun timing error | Gun 4-1 error (ms) : -1.60 |
| 4596 | 4596 | ALL | Gun timing error | Gun 3-1 error (ms) : 1.80  |
| 4605 | 4605 | ALL | Gun timing error | Gun 3-1 error (ms) : 1.60  |
| 4616 | 4616 | ALL | Gun timing error | Gun 4-1 error (ms) : 1.80  |
| 4619 | 4619 | ALL | Gun timing error | Gun 5-1 error (ms) : 1.80  |
| 4620 | 4620 | ALL | Gun timing error | Gun 3-1 error (ms) : 1.60  |
| 4623 | 4623 | ALL | Gun timing error | Gun 3-1 error (ms) : 1.70  |
| 4624 |      | ALL | Gun timing error | Gun 4-1 error (ms) : -1.60 |
| 4635 |      | ALL | Gun timing error | Gun 4-1 error (ms) : 1.80  |
| 4638 | 4638 | ALL | Gun timing error | Gun 2-2 error (ms) : -1.60 |
| 4643 | 4643 | ALL | Gun timing error | Gun 3-1 error (ms) : -1.60 |
| 4645 | 4645 | ALL | Gun timing error | Gun 4-1 error (ms) : -1.60 |
| 4652 | 4652 | ALL | Gun timing error | Gun 4-1 error (ms) : 1.90  |
| 4654 |      | ALL | Gun timing error | Gun 4-1 error (ms) : 1.60  |
| 4687 | 4687 | ALL | Gun timing error | Gun 4-1 error (ms) : 2.10  |
| 4691 | 4691 | ALL | Gun timing error | Gun 3-1 error (ms) : 1.70  |
| 4694 | 4694 | ALL | Gun timing error | Gun 4-1 error (ms) : 1.70  |
| 4703 | 4703 | ALL | Gun timing error | Gun 4-1 error (ms) : 1.70  |
| 4721 | 4721 | ALL | Gun timing error | Gun 3-1 error (ms) : 1.90  |
| 4732 | 4732 | ALL | Gun timing error | Gun 4-1 error (ms) : 1.90  |
| 4745 | 4745 | ALL | Gun timing error | Gun 2-1 error (ms) : 1.60  |
| 4745 | 4745 | ALL | Gun timing error | Gun 3-1 error (ms) : 1.60  |
| 4746 | 4746 | ALL | Gun timing error | Gun 4-1 error (ms) : 1.60  |
| 4754 | 4754 | ALL | Gun timing error | Gun 3-1 error (ms) : 1.70  |
| 4758 | 4758 | ALL | Gun timing error | Gun 3-1 error (ms) : 1.80  |
| 4772 | 4772 | ALL | Gun timing error | Gun 5-1 error (ms) : 1.60  |
| 4774 | 4774 | ALL | Gun timing error | Gun 3-1 error (ms) : 1.70  |
| 4778 | 4778 | ALL | Gun timing error | Gun 5-1 error (ms) : 1.60  |
| 4786 | 4786 | ALL | Gun timing error | Gun 4-1 error (ms) : 1.60  |
| 4787 | 4787 | ALL | Gun timing error | Gun 4-1 error (ms) : 1.70  |
| 4795 | 4795 | ALL | Gun timing error | Gun 2-1 error (ms) : 1.60  |
| 4795 | 4795 | ALL | Gun timing error | Gun 3-1 error (ms) : 1.60  |
| 4799 | 4799 | ALL | Gun timing error | Gun 2-1 error (ms) : 1.60  |
| 4800 | 4800 | ALL | Gun timing error | Gun 3-1 error (ms) : 1.60  |
| 4808 | 4808 | ALL | Gun timing error | Gun 3-1 error (ms) : -1.60 |
| 4845 | 4845 | ALL | Gun timing error | Gun 5-1 error (ms) : -1.60 |
| 4870 | 4870 | ALL | Gun timing error | Gun 4-1 error (ms) : 2.00  |

## Comment

| Shot(s)   | File(s)   | Trace(s) | Type         | Remark  |
|-----------|-----------|----------|--------------|---|
| 2812-4882 | 2812-4882 | ALL      | Gun disabled | Gun 1-1. Source volume at shot 2812 : 7918 cu.in. |
| 2812-4882 | 2812-4882 | ALL      | Gun disabled | Gun 6-1. Source volume at shot 2812 : 7918 cu.in. |



**List of used abbreviations:**

|             |                                      |
|-------------|--------------------------------------|
| SOL/EOL     | Start/End of line.                   |
| FSP/LSP     | First/Last shotpoint of the line.    |
| FCSP/LCSP   | First/Last chargeable shotpoint      |
| MSP         | Midnight (last) shotpoint of the day |
| FGSP/LGSP   | First/Last Good Shotpoint            |
| FOSP/LOSP   | First/Last Overlap Shotpoint         |
| FSP/LSP R/O | First/Last Shotpoint Runout          |

|      |                               |
|------|-------------------------------|
| Deg  | Degrees: e[0,360]             |
| rev  | Revolutions                   |
| utc  | Universal Time<br>Coordinated |
| SPs  | Shotpoints                    |
| CMPs | Common midpoints              |
| NTBP | Not to be processed           |
| SI   | Seismic interference          |

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