

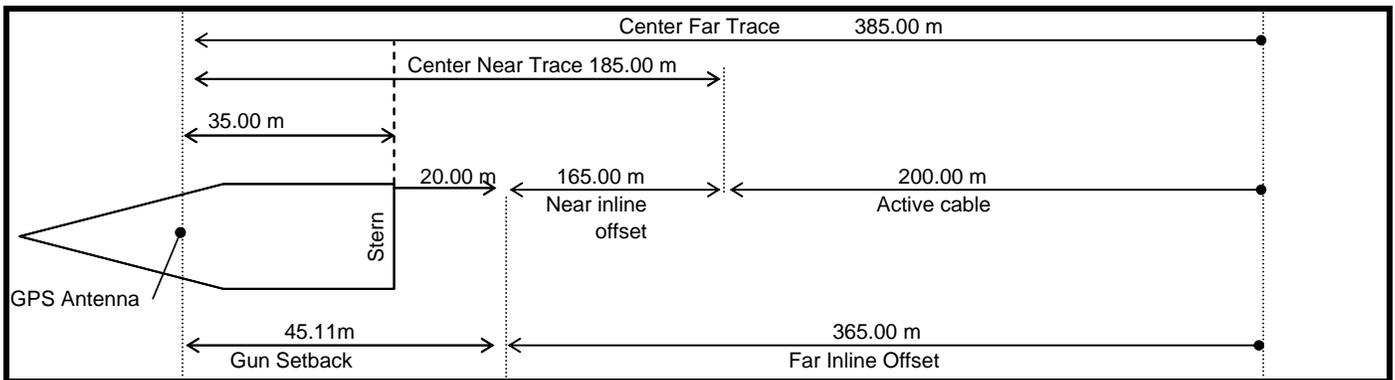
## Scripps Institution of Oceanography Seismic System Geometry

Ship: R/V Roger Revelle

Cruise: DANA05RR

Chief Scientist: Gee

|                       |               |             |                                  |
|-----------------------|---------------|-------------|----------------------------------|
|                       | <b>Meters</b> | <b>Feet</b> |                                  |
| Length of tow leader  | 75            | 246.06      |                                  |
| Length of tow stretch | 50            | 164.04      |                                  |
| Antenna to stern      | 35            | 114.828     |                                  |
| Antenna Height        | 20            | 65.616      |                                  |
| Center of near trace  | 185           | 606.948     |                                  |
| Center of far trace   | 385           | 1263.108    |                                  |
| Gun Setback           | 20            | 65.616      |                                  |
| Near inline offset    | 165           | 541.332     |                                  |
| Active cable          | 200           | 656.16      |                                  |
| Far inline offset     | 365           | 1197.492    |                                  |
|                       |               |             | <b>Number of traces 4</b>        |
|                       |               |             | <b>Setback of Single Trace 1</b> |
|                       |               |             | 197.50 meters                    |
|                       |               |             | 647.96 feet                      |



| <b>SOURCE TYPE</b>   | Source Power    | Pre Amp Gain  | No. of Guns             | Source Depth             | <b>Notes</b> |
|--|-----------------|---------------|-------------------------|--------------------------|--------------|
| G.I. Guns  | 3.19 b/m ea     | 24 dB         | 2                       | 2m                       |              |
| <b>PRIMARY</b>   | Sample Interval | Record Length | No. of Channels         | Cable Depth              |              |
|  | 1 mS            | varies        | 4                       | 3-5 meters               |              |
| <b>FILTERS</b>   | Low Cut         | High Cut      | 60 Hz Notch             | Monitor Filter           |              |
|  | out             | out           | out                     | out                      |              |
| <b>DIGITAL RECORDER</b>  | Model           | SEG Format    | Tape Density            | Auxiliary Channel Number |              |
|  | Stratavisor     | D 8058 Rev 1  | N/A                     | TB : Ch. 5               |              |
| <b>CABLE LAYOUT</b>  | Far Trace No.   | Far Offset    | Near Trace No.          | Near Offset              |              |
|  | 4               | 385.00 m      | 1                       | 185.00 m                 |              |
| <b>FOLD =</b>  |                 |               |                         |                          |              |
| $\frac{\text{No. Traces} * \text{Grp. Int}}{\text{Shot Interval}}$ | Grouping Int.   | Shooting Int. | Navigation Fix Interval |                          |              |
|  | 1.0 meters      | 10 sec        | N/A                     |                          |              |