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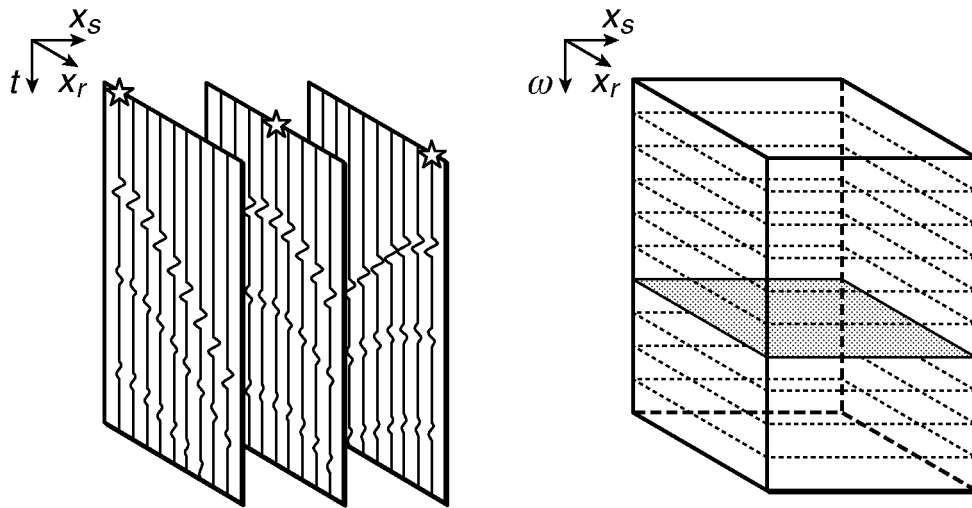


FIG. 1

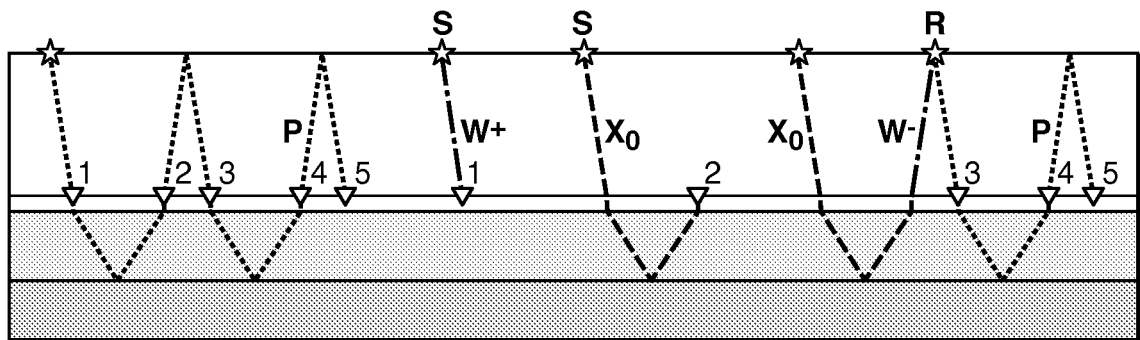
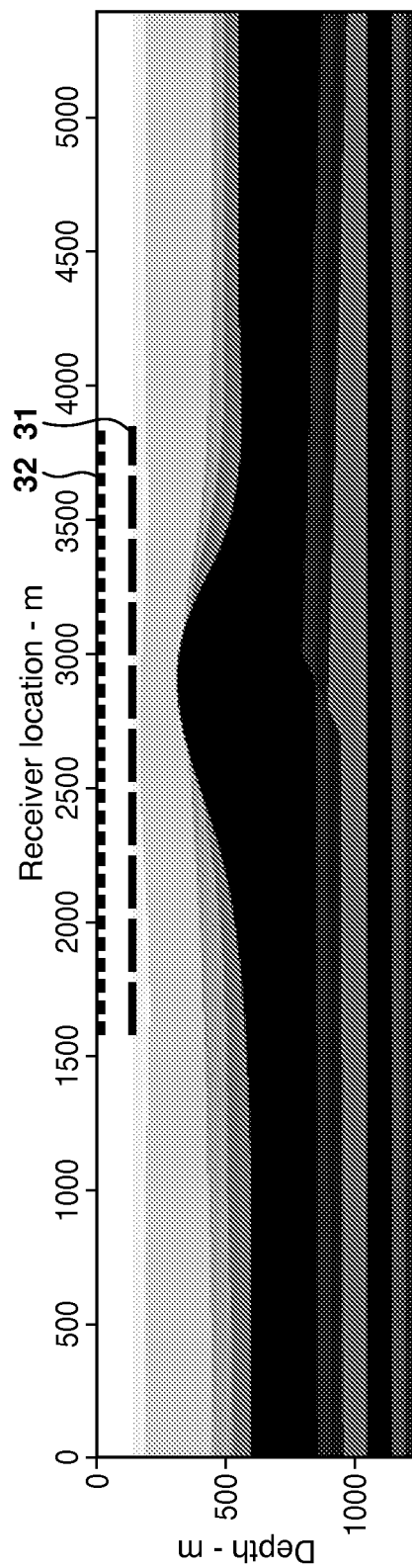
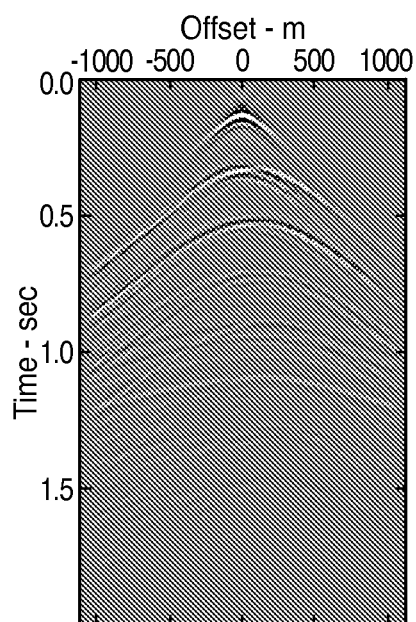
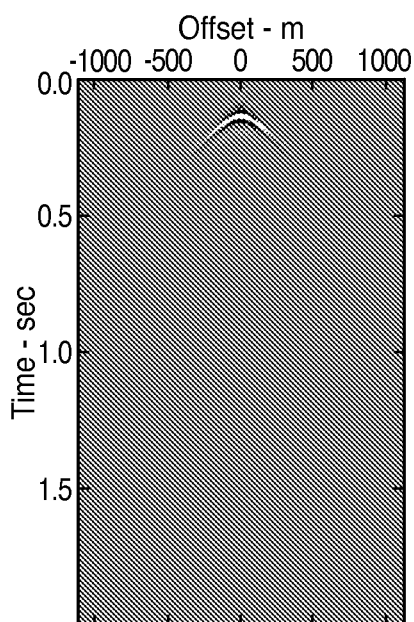
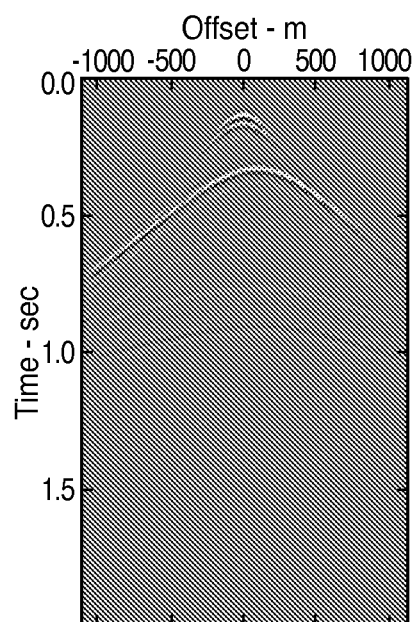
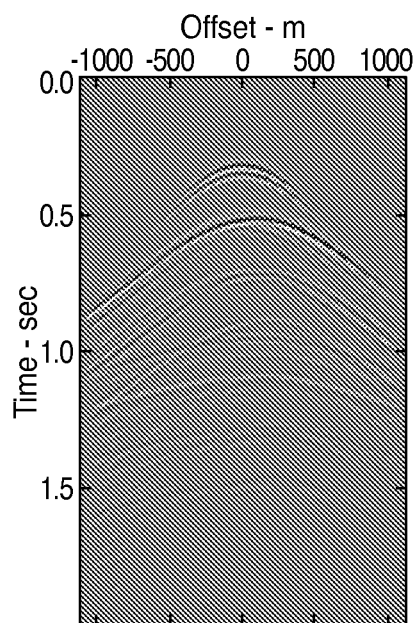
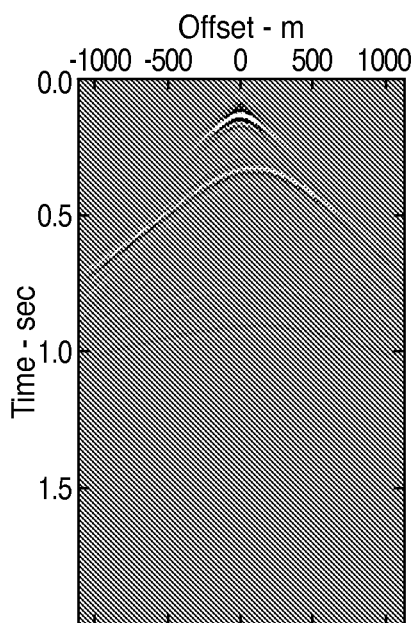
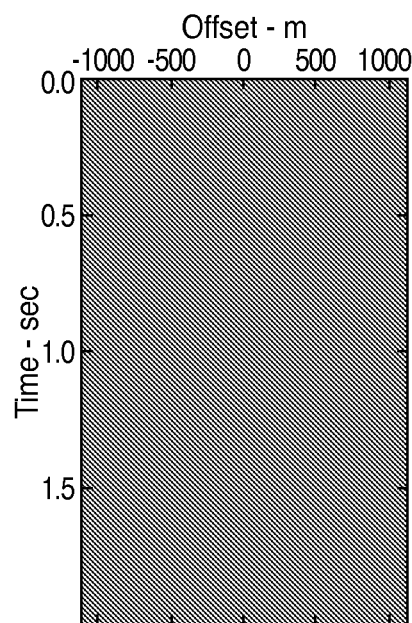


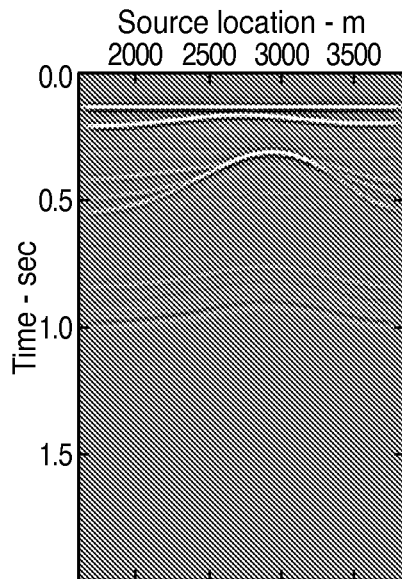
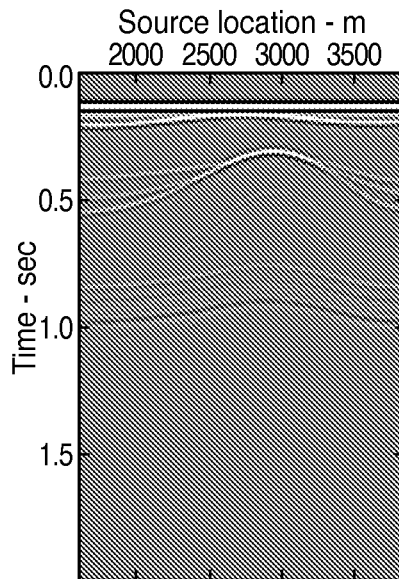
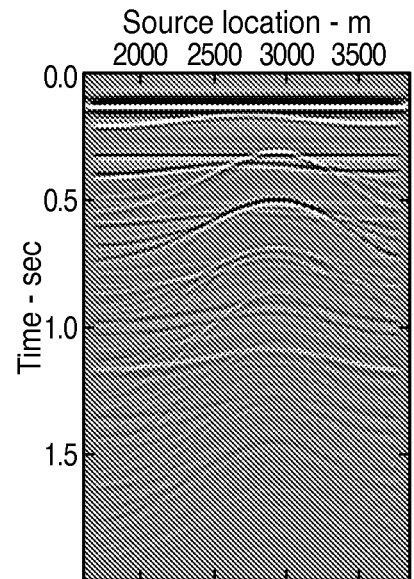
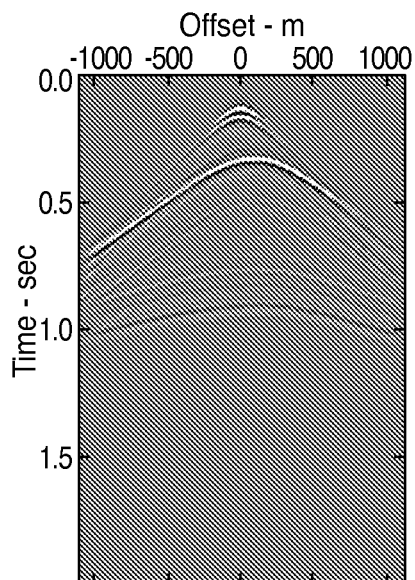
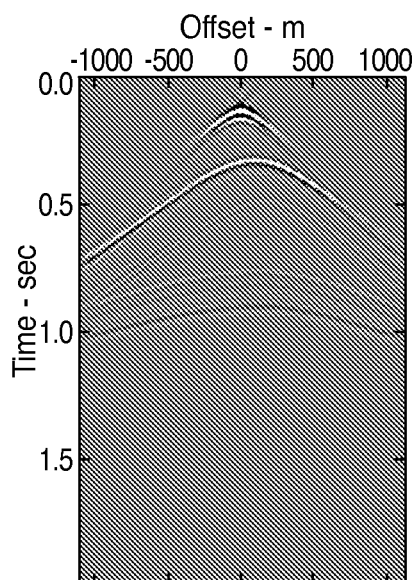
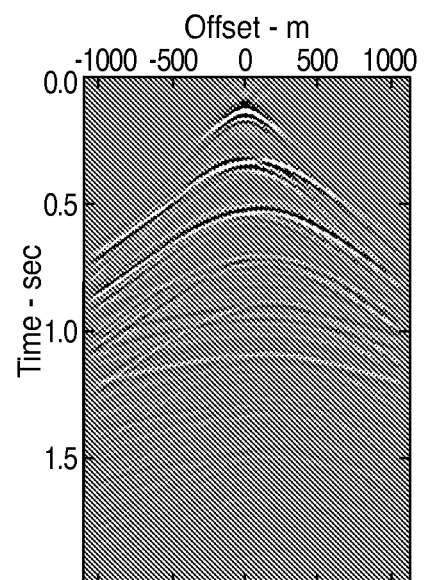
FIG. 2

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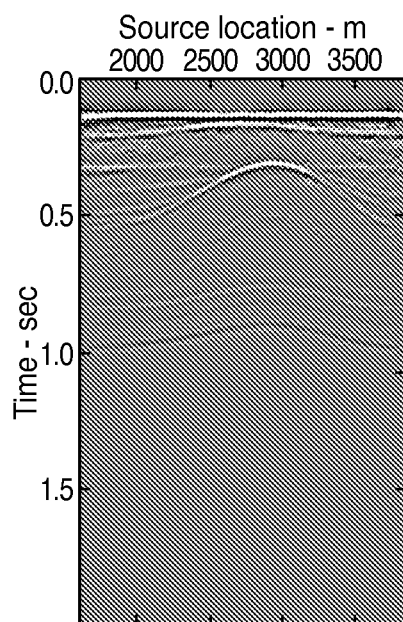
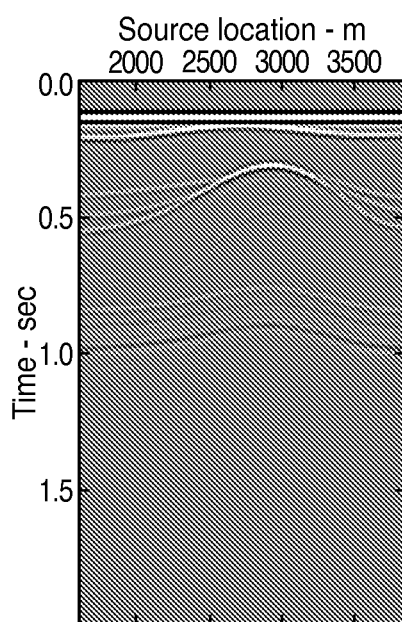
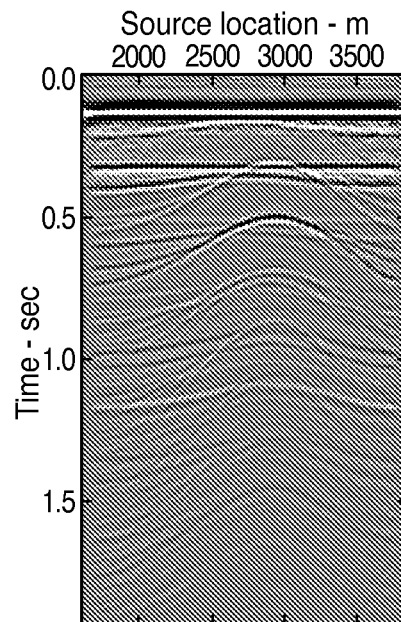
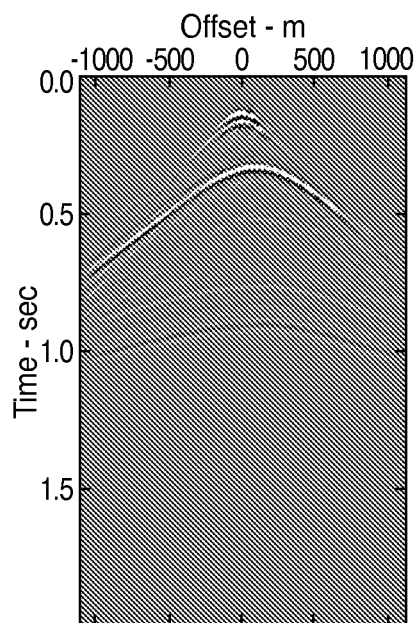
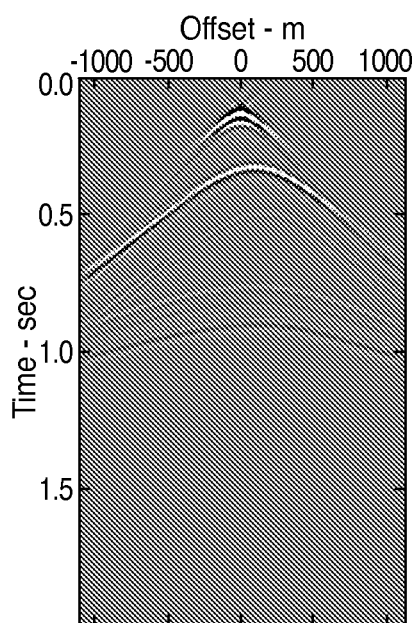
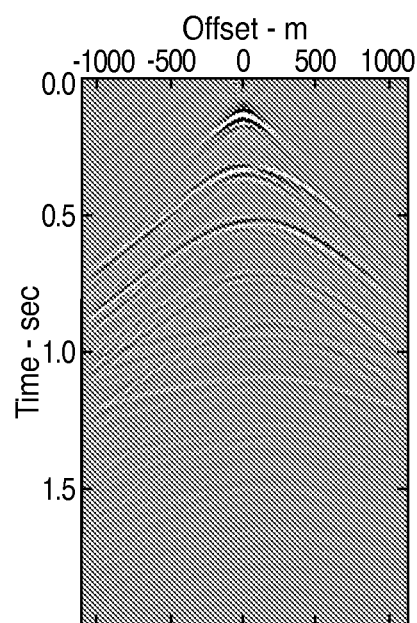
**FIG. 3**

3/11**FIG. 4A****FIG. 4B****FIG. 4C****FIG. 4D****FIG. 4E****FIG. 4F**

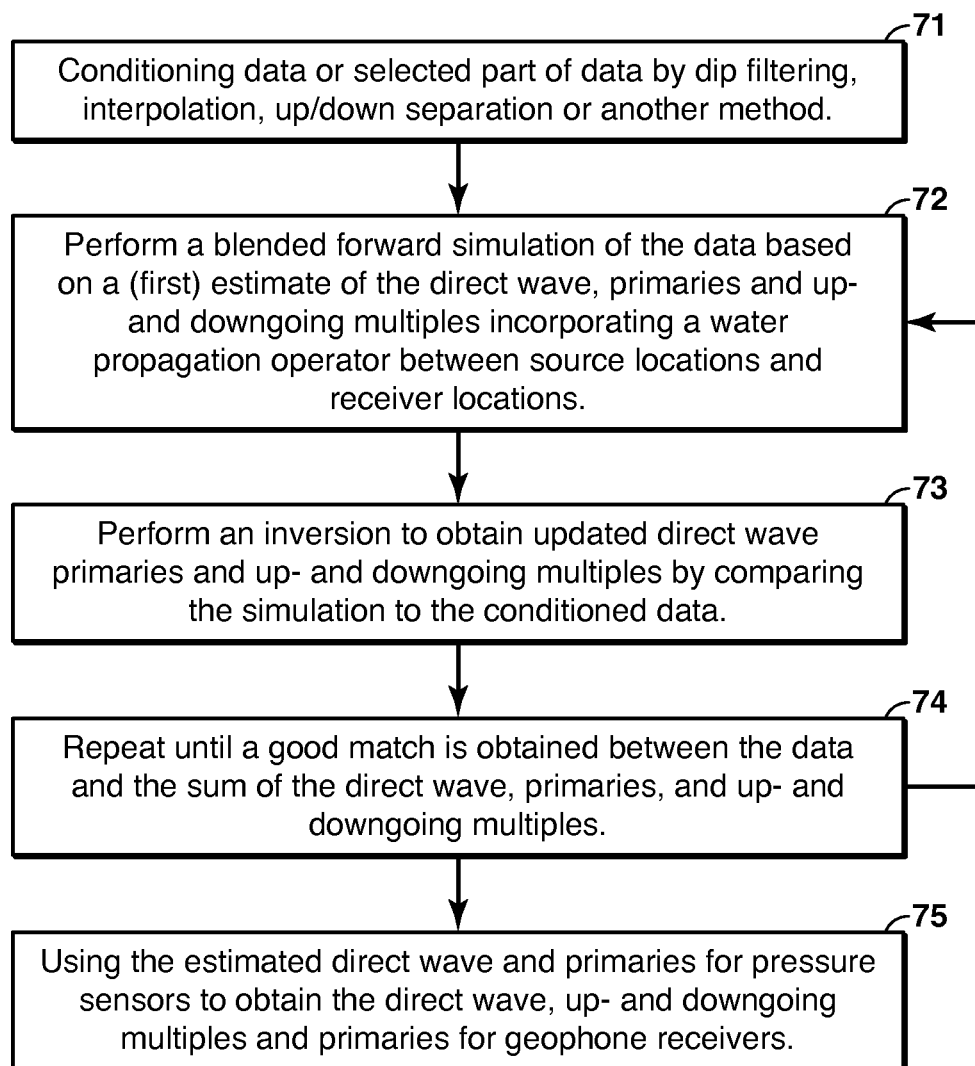
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**FIG. 5A****FIG. 5B****FIG. 5C****FIG. 5D****FIG. 5E****FIG. 5F**

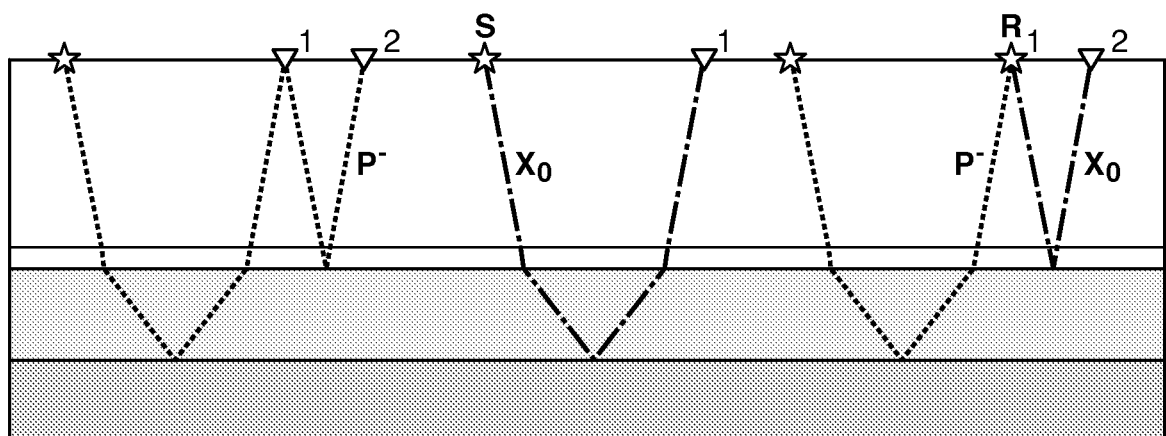
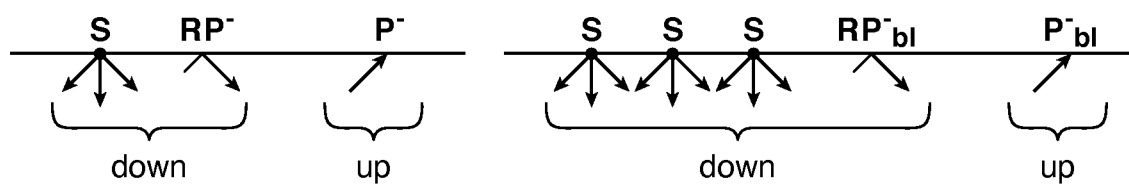
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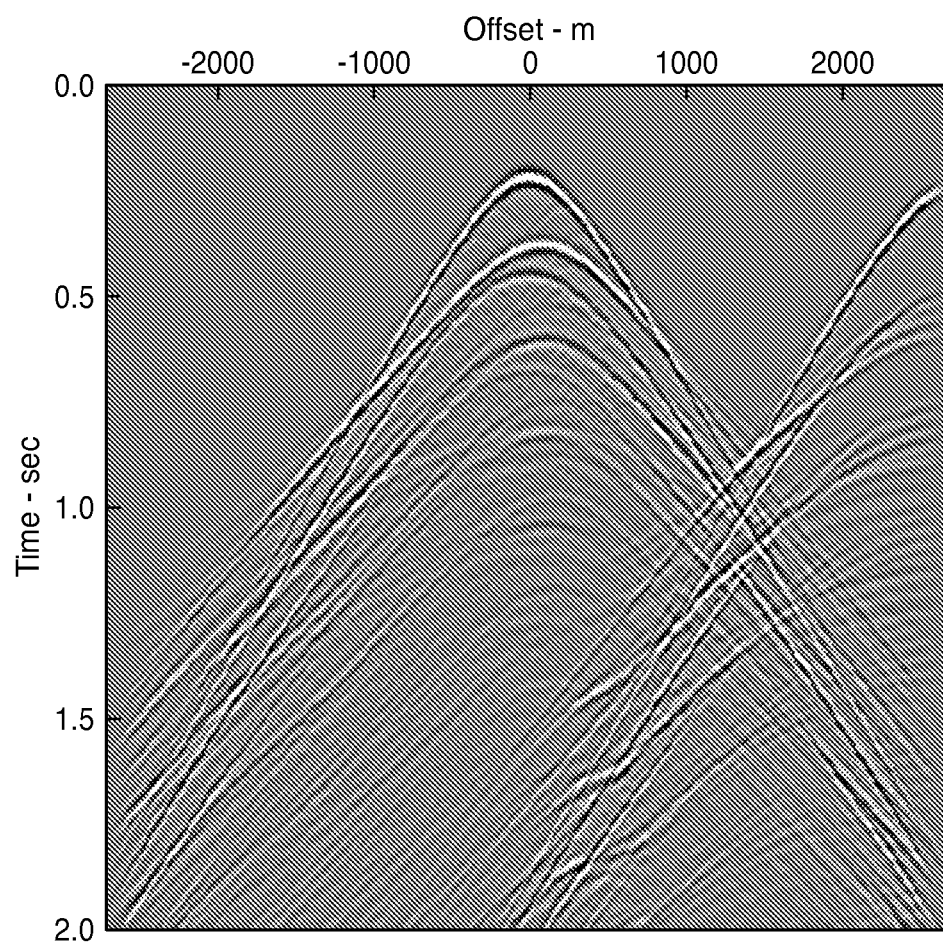
**FIG. 6A****FIG. 6B****FIG. 6C****FIG. 6D****FIG. 6E****FIG. 6F**

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**FIG. 7**

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**FIG. 8****FIG. 9**

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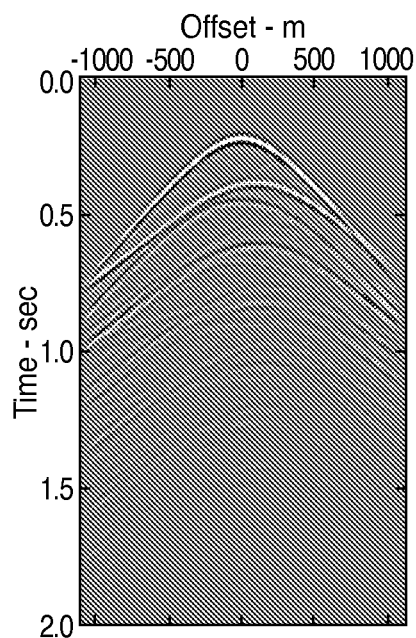
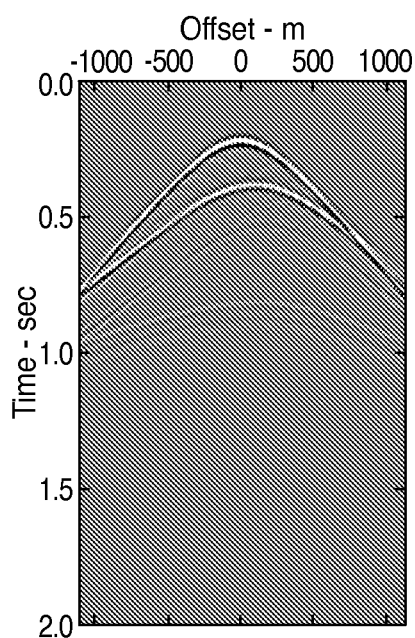
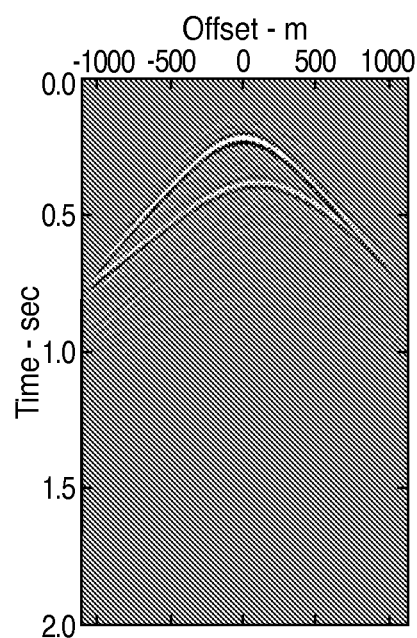
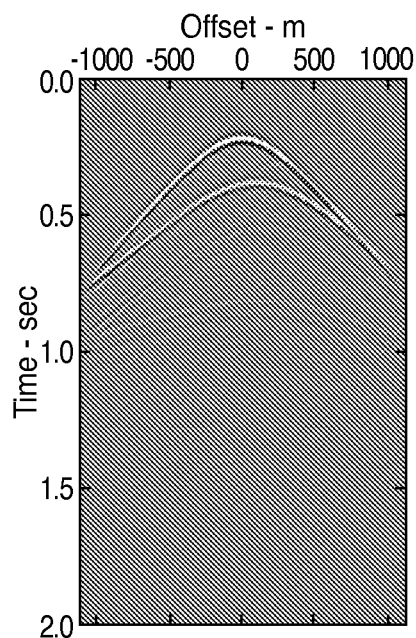
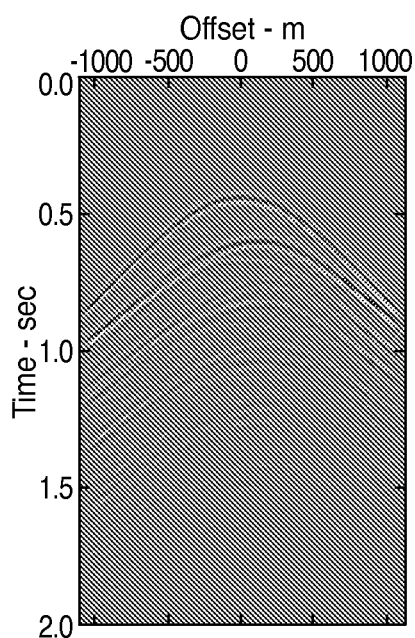
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$$\begin{pmatrix} S_{11} & 0 & 0 & 0 \\ 0 & S_{22} & 0 & 0 \\ 0 & 0 & S_{33} & 0 \\ 0 & 0 & 0 & S_{44} \end{pmatrix} \begin{pmatrix} 1 & 0 \\ 0 & 1 \\ e^{-j\omega\Delta t_1} & 0 \\ 0 & e^{-j\omega\Delta t_2} \end{pmatrix} = \begin{pmatrix} S_{11} & 0 \\ 0 & S_{22} \\ e^{-j\omega\Delta t_1} S_{33} & 0 \\ 0 & e^{-j\omega\Delta t_2} S_{44} \end{pmatrix} \quad \begin{matrix} \mathbf{S} \\ \mathbf{r} \\ \mathbf{S_{bl}} \end{matrix}$$

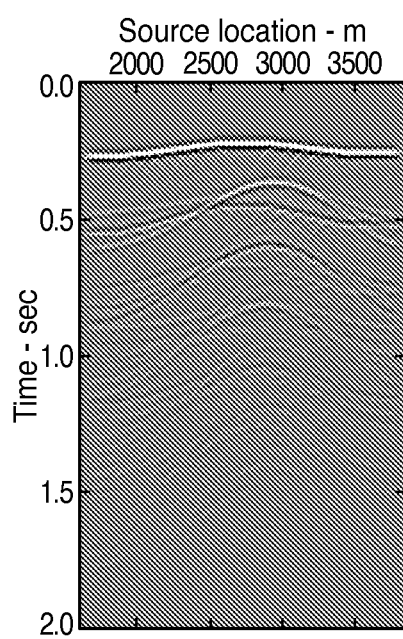
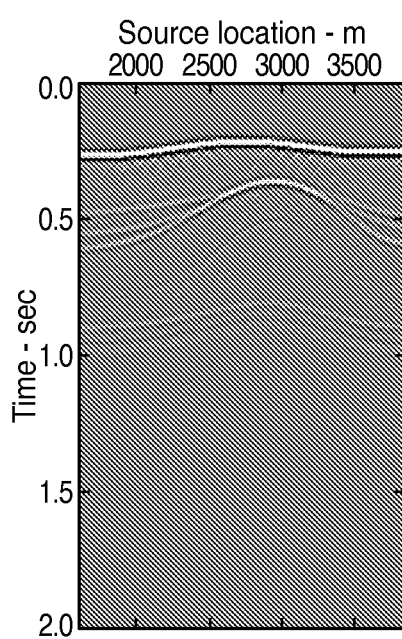
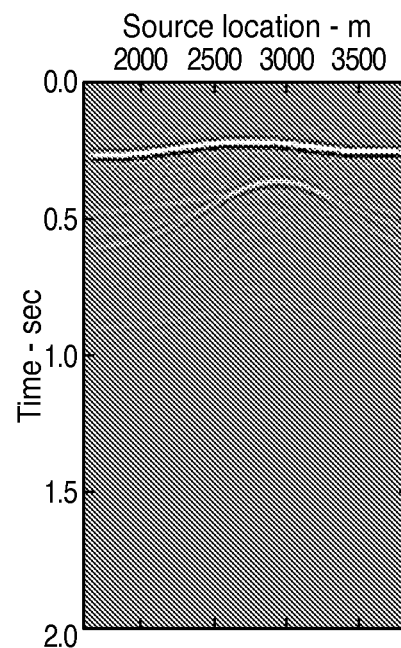
$$\begin{pmatrix} P_{11} & P_{21} & P_{31} & P_{41} \\ P_{12} & P_{22} & P_{32} & P_{42} \\ P_{13} & P_{23} & P_{33} & P_{43} \\ P_{14} & P_{24} & P_{34} & P_{44} \end{pmatrix} \begin{pmatrix} 1 & 0 \\ 0 & 1 \\ e^{-j\omega\Delta t_1} & 0 \\ 0 & e^{-j\omega\Delta t_2} \end{pmatrix} = \begin{pmatrix} P_{11} + e^{-j\omega\Delta t_1} P_{31} & P_{21} + e^{-j\omega\Delta t_1} P_{41} \\ P_{12} + e^{-j\omega\Delta t_1} P_{32} & P_{22} + e^{-j\omega\Delta t_1} P_{42} \\ P_{13} + e^{-j\omega\Delta t_1} P_{33} & P_{23} + e^{-j\omega\Delta t_1} P_{43} \\ P_{14} + e^{-j\omega\Delta t_1} P_{34} & P_{24} + e^{-j\omega\Delta t_1} P_{44} \end{pmatrix} \quad \begin{matrix} \mathbf{P} \\ \mathbf{r} \\ \mathbf{P_{bl}} \end{matrix}$$

FIG. 11

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**FIG. 12A****FIG. 12B****FIG. 12C****FIG. 12D****FIG. 12E**

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**FIG. 13A****FIG. 13B****FIG. 13C**