

Anejo 5:

RESULTADOS GRÁFICOS OBTENIDOS CON EL PROGRAMA BANG 1DT

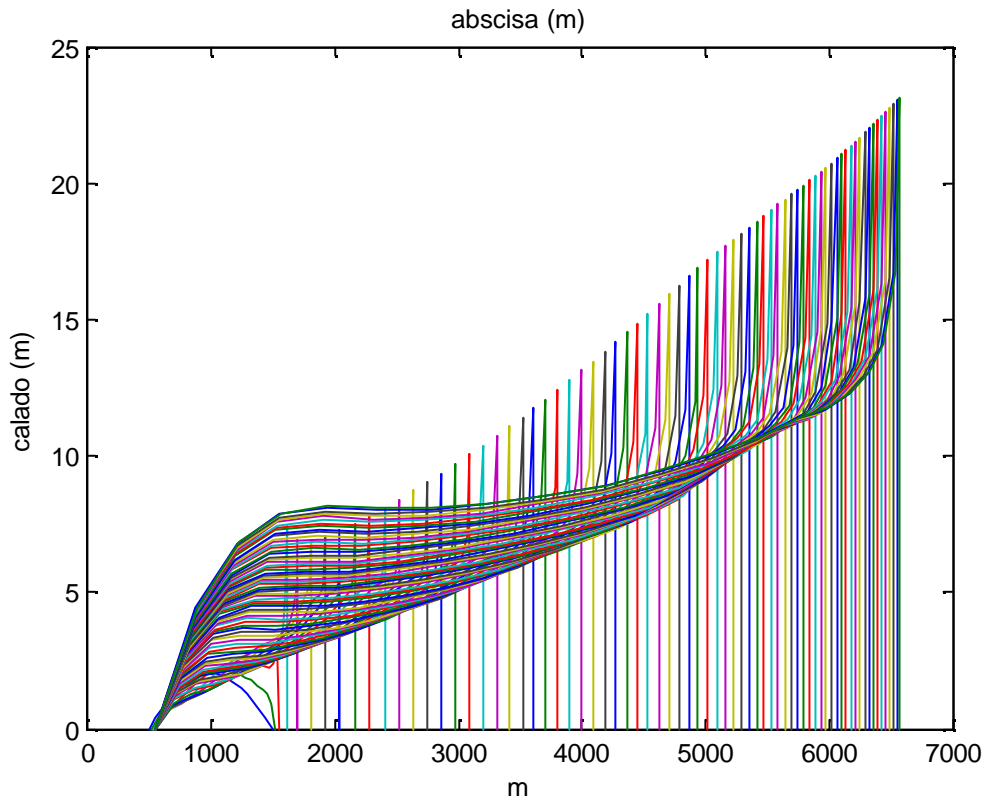
En el siguiente anejo se exponen los resultados obtenidos con el programa Bang 1DT, que han servido para extraer las conclusiones que aparecen en la sección 5 de esta tesina. Se ha estructurado el anejo de la misma manera que la explicación de los resultados que aparece en dicha sección.

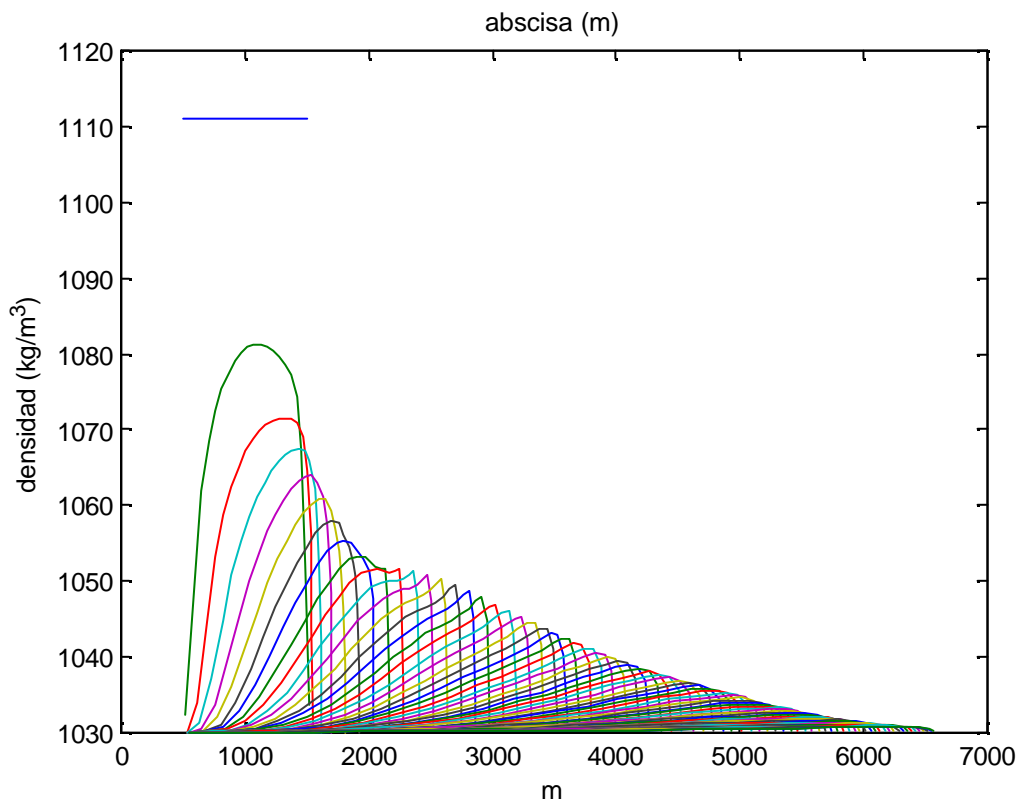
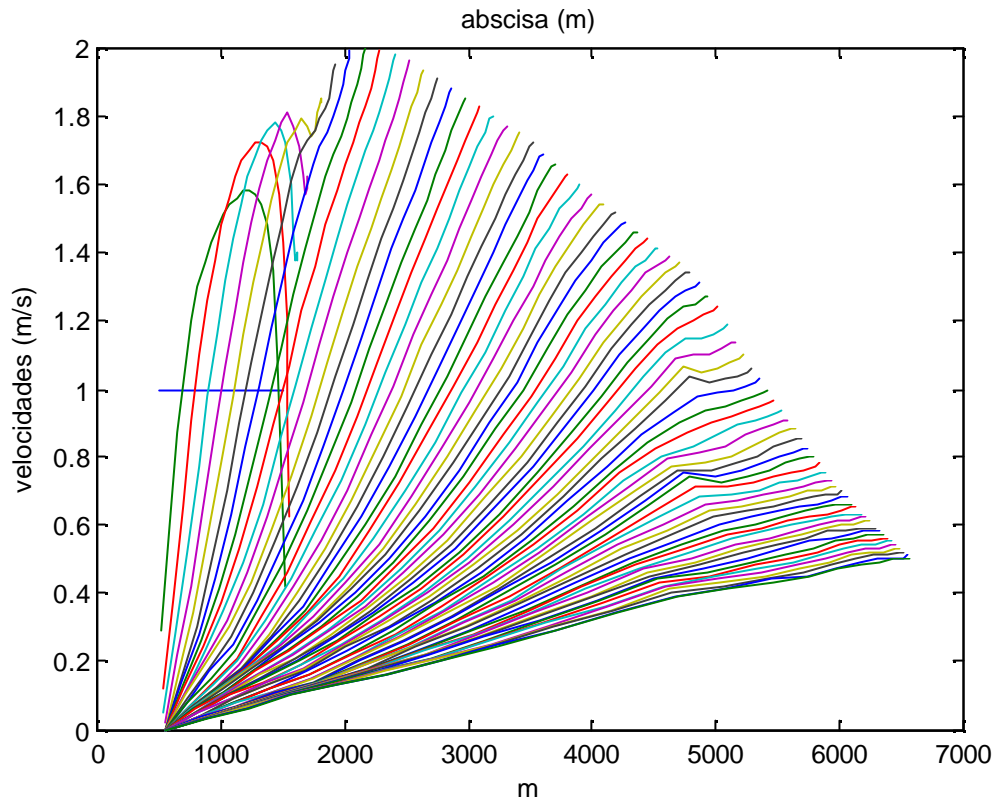
Apartado 1:

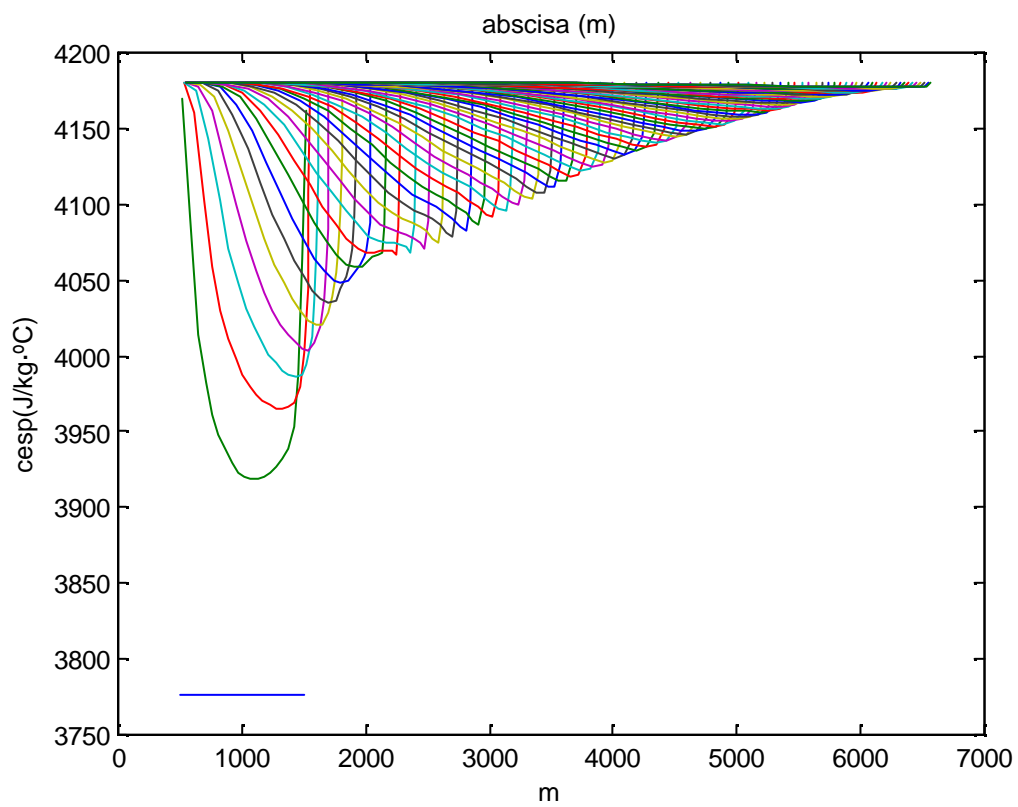
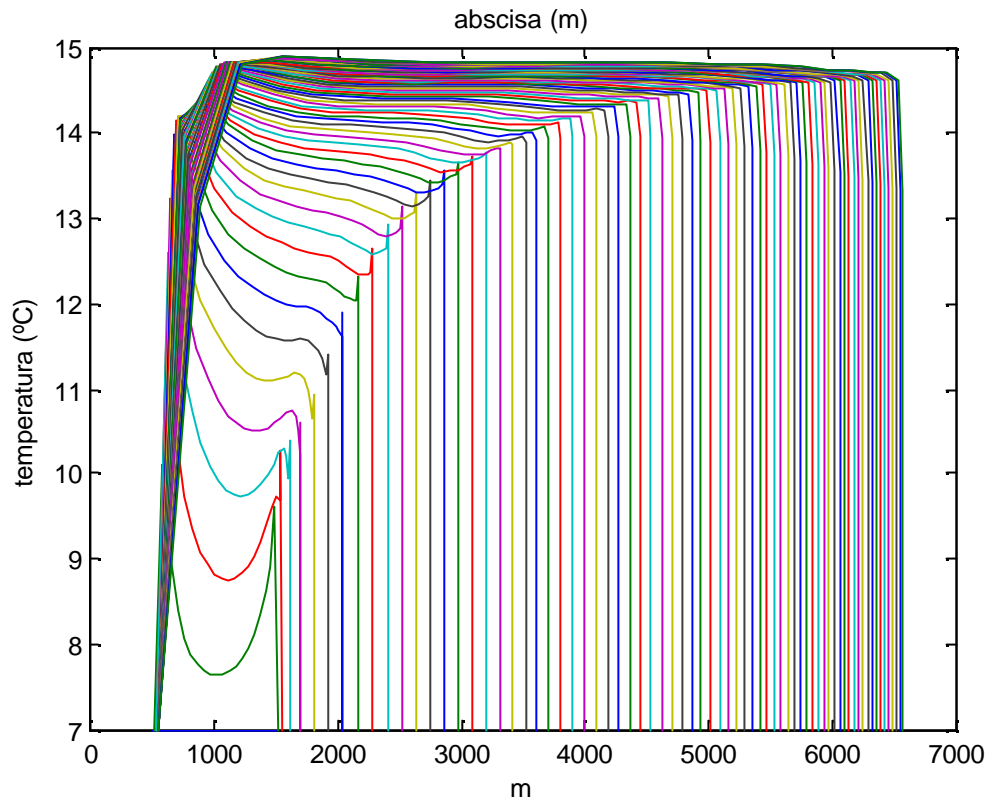
Situación base:

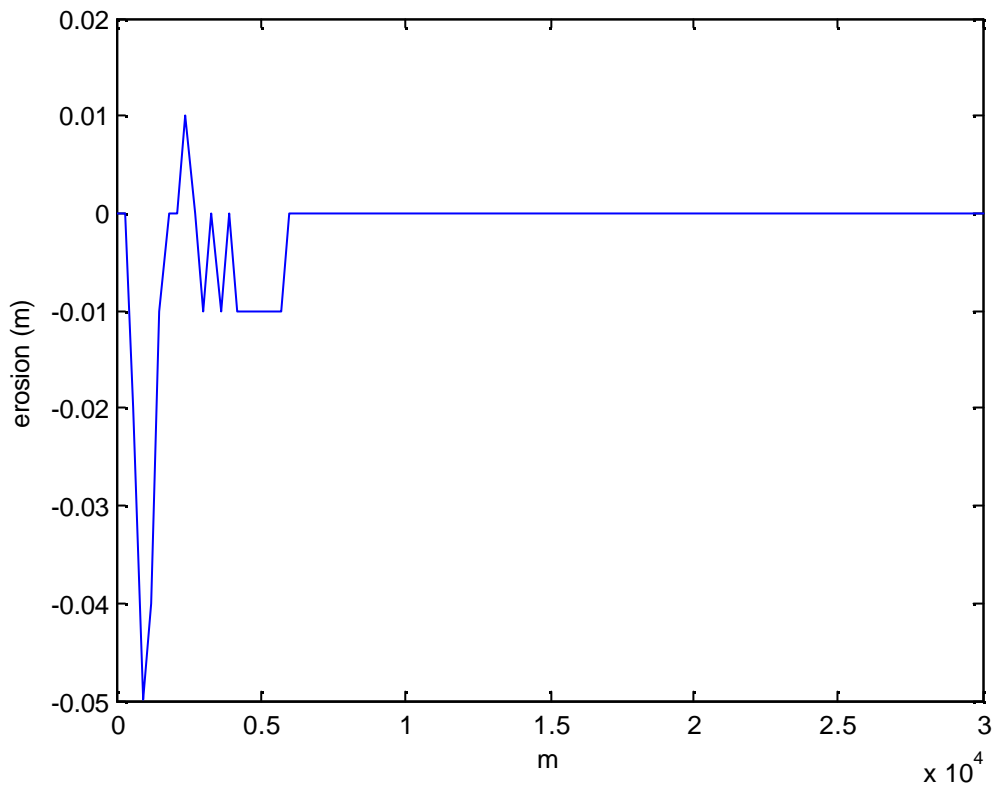
- pendiente: 1,0 %
- velocidad inicial: 1,0 m/s
- concentración inicial: 0,05
- temperatura inicial: 7,0 °C
- temperatura ambiente: 15,0 °C
- temperatura del sedimento: 15,0 °C

Perfiles de calados, velocidad, densidad, temperatura, calor específico y balance de erosión:



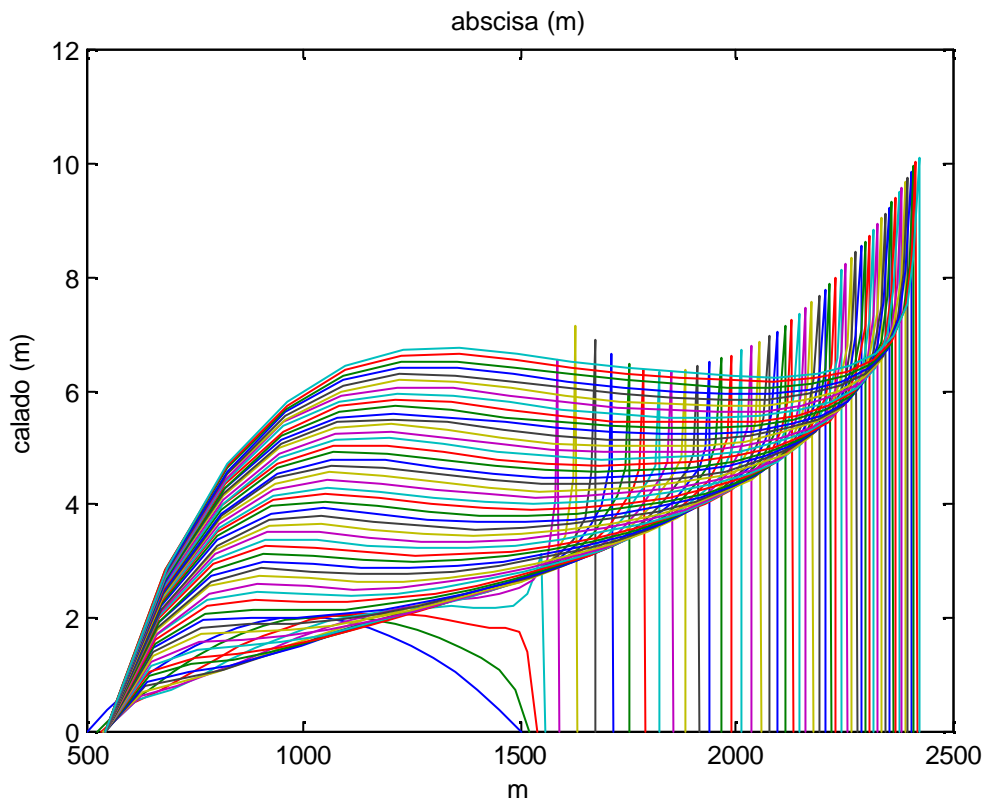


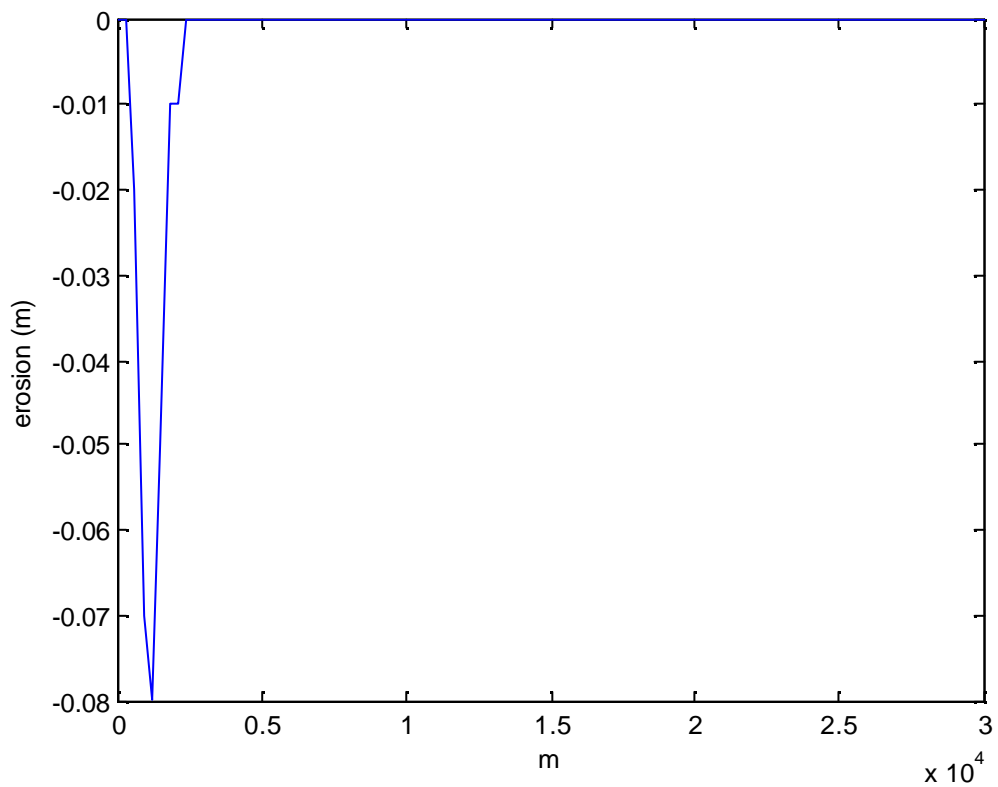
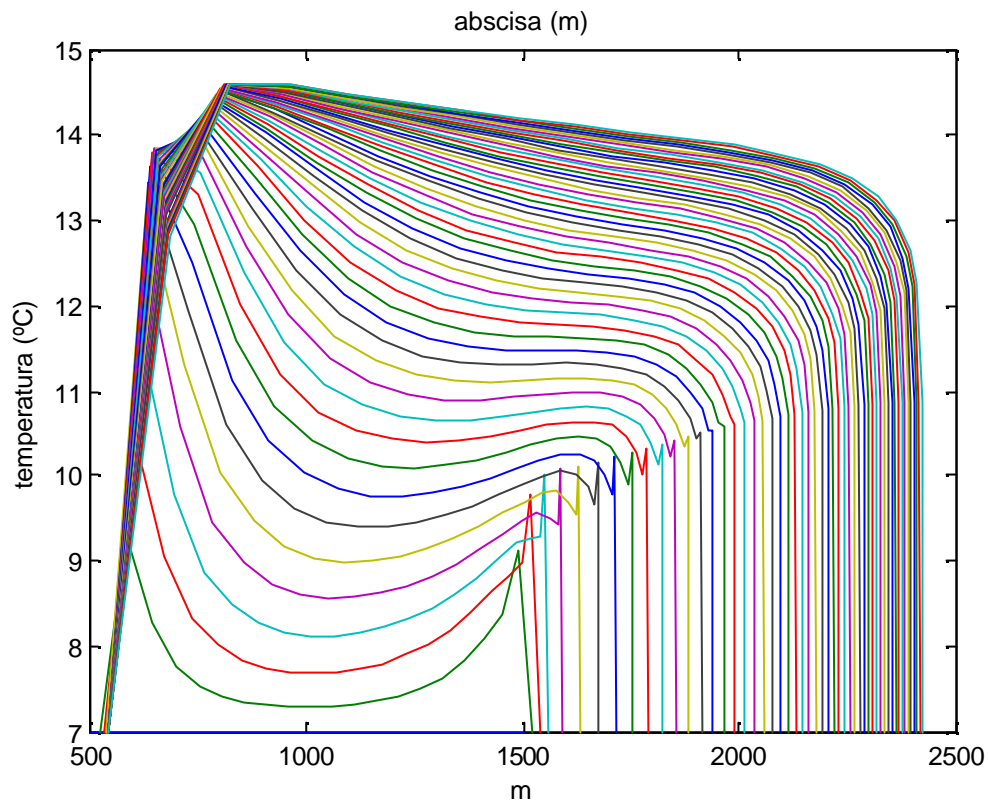




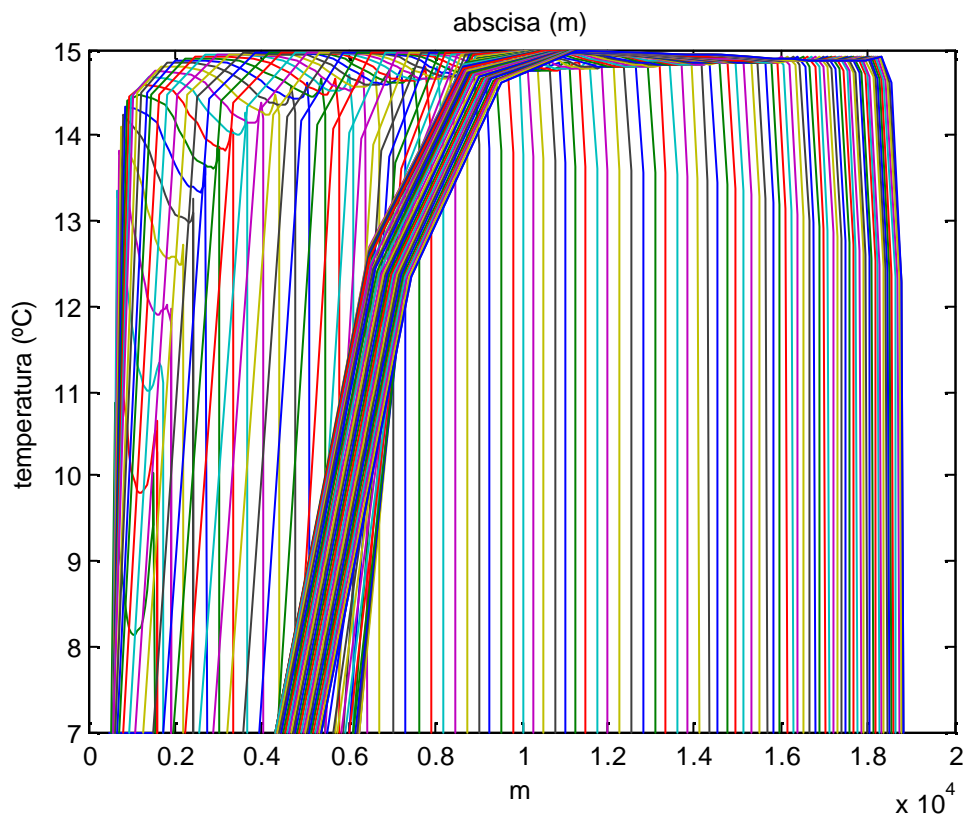
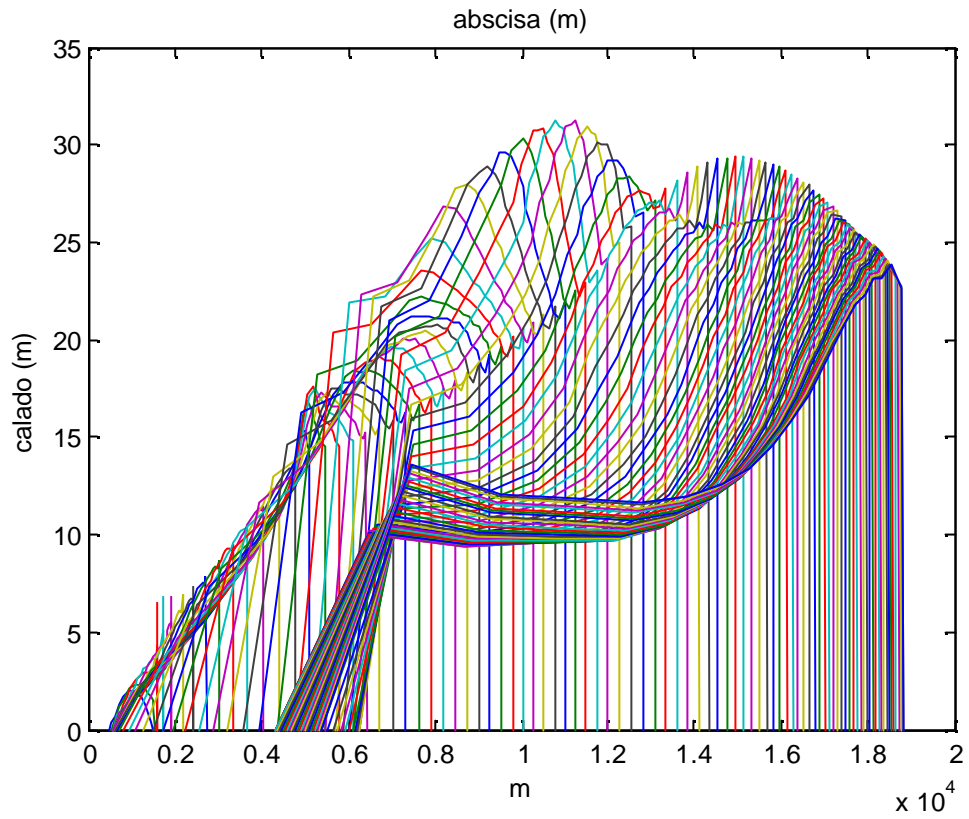
1.1 Variación de la pendiente manteniendo fijos el resto de parámetros. Resultados de calados, temperatura y balance de erosión.

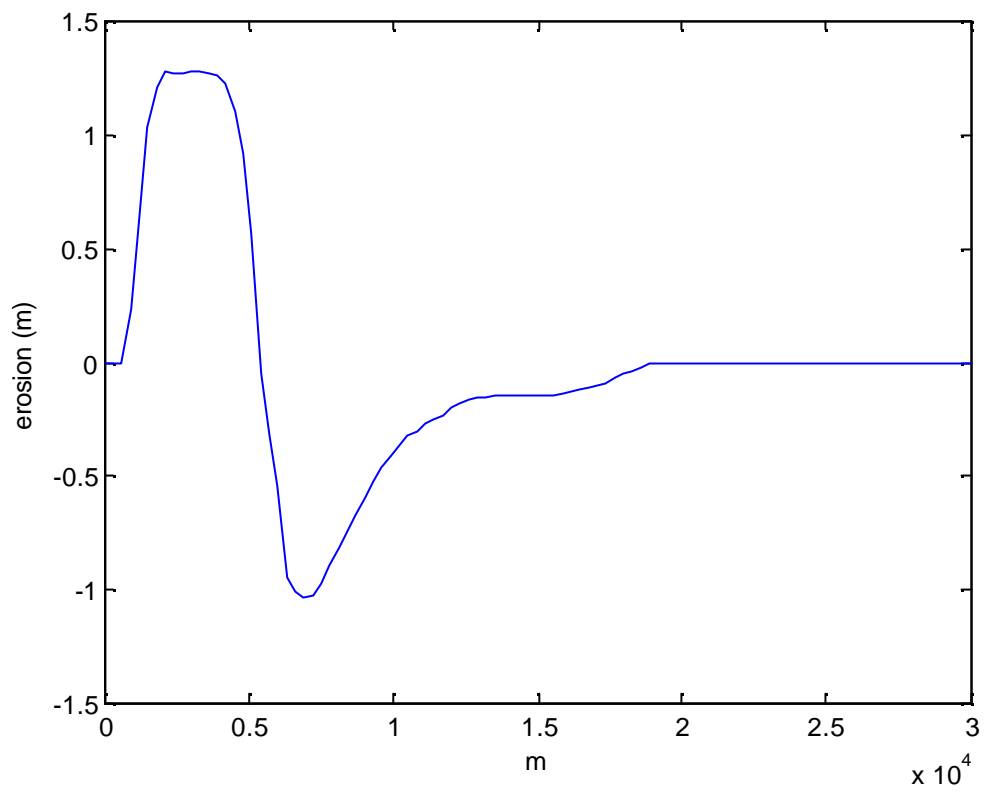
Pendiente del 0,1%:



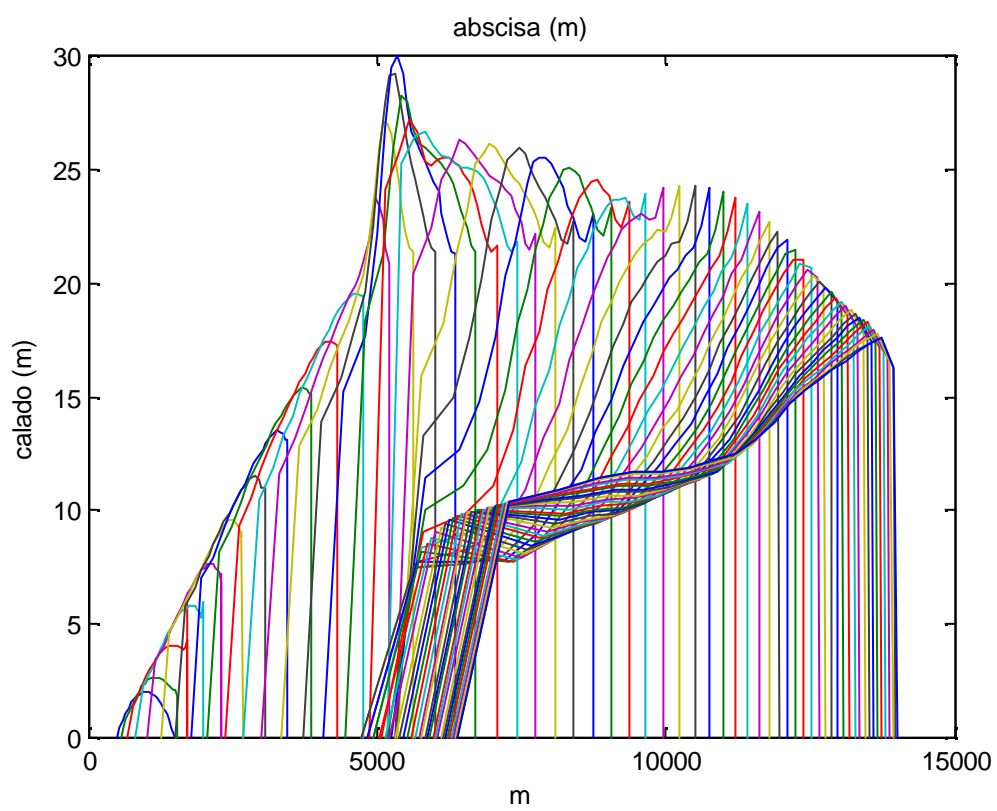


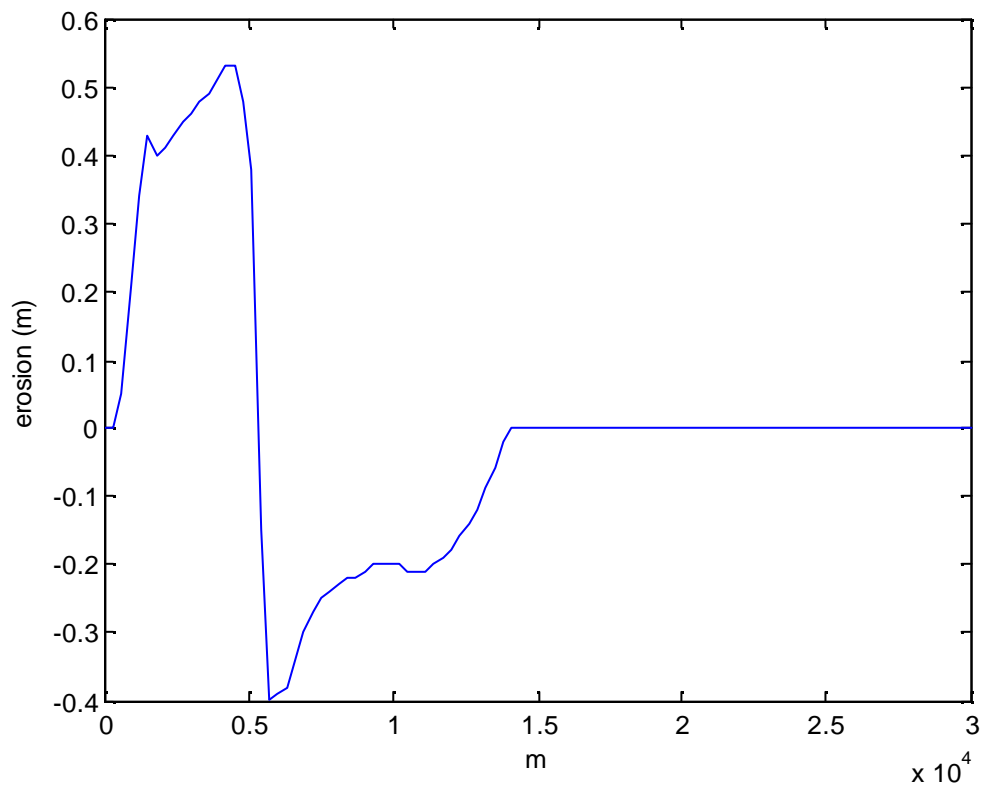
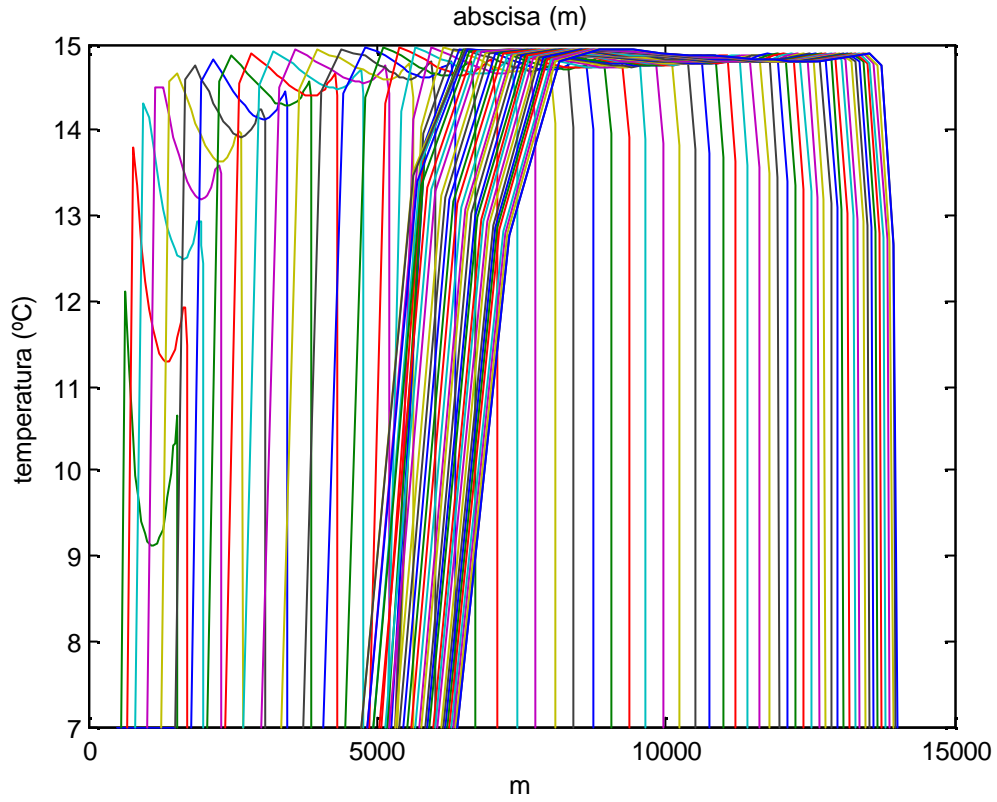
Pendiente 2.0 %:



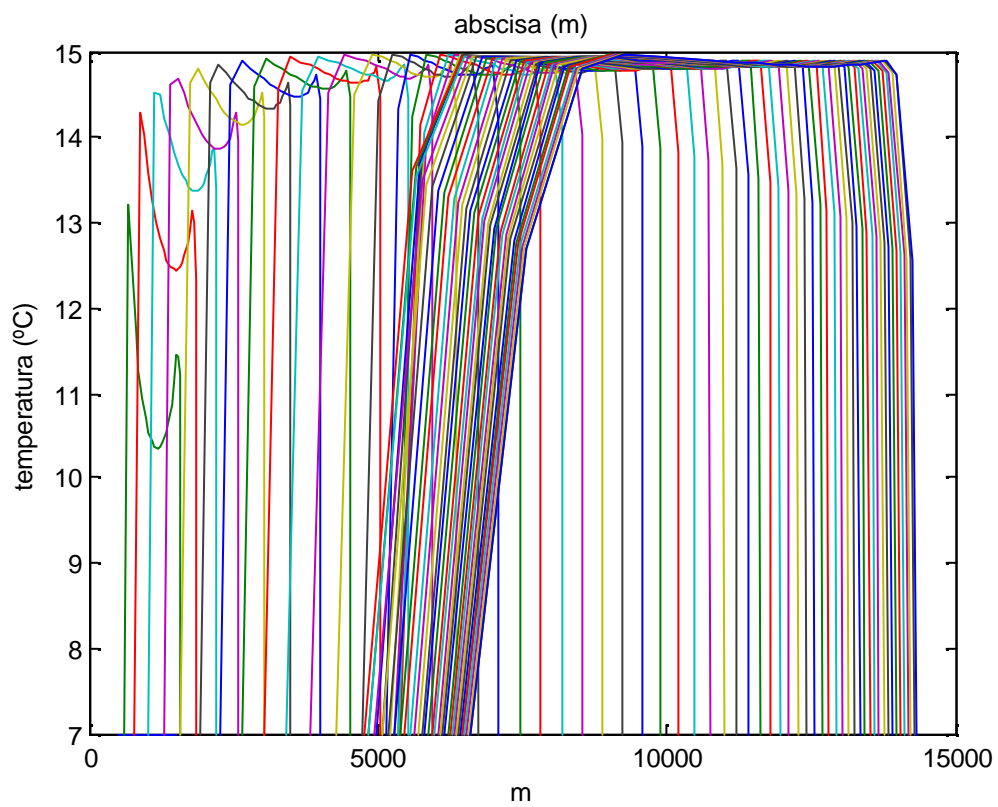
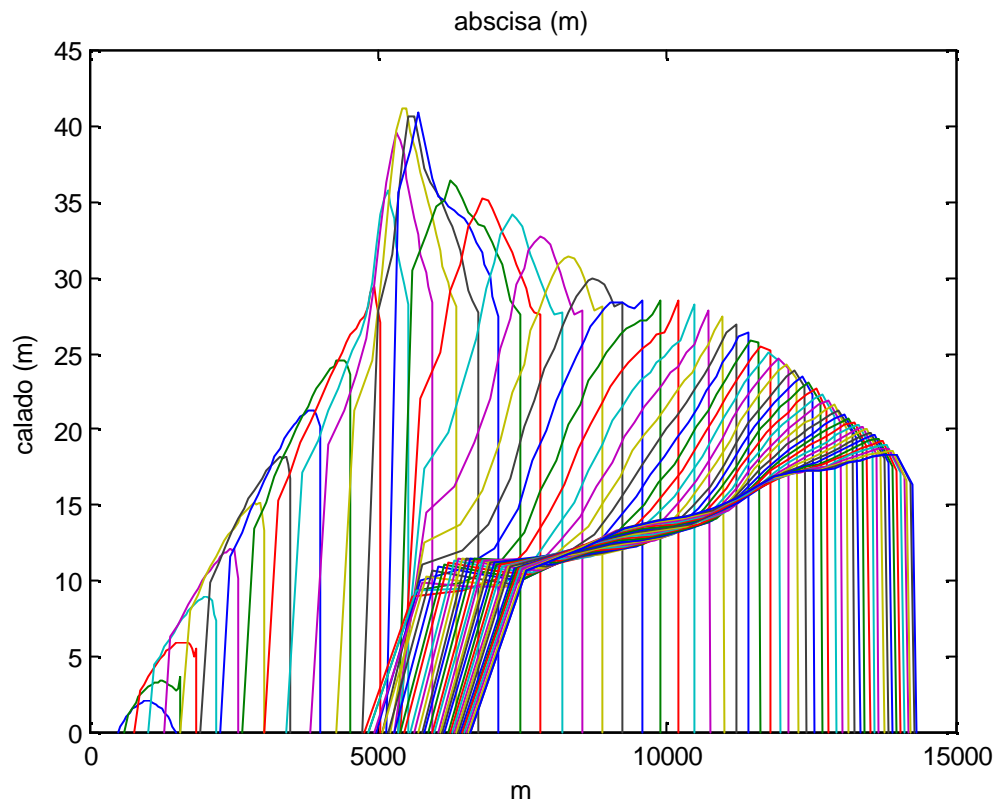


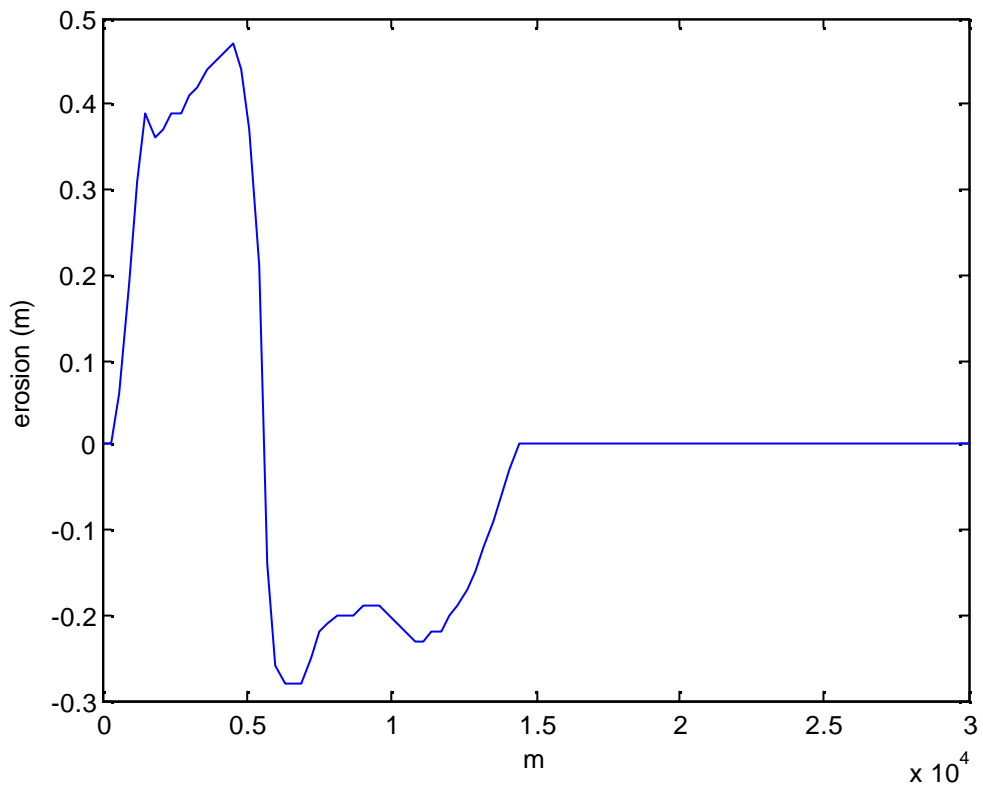
Pendiente 4,0 %:



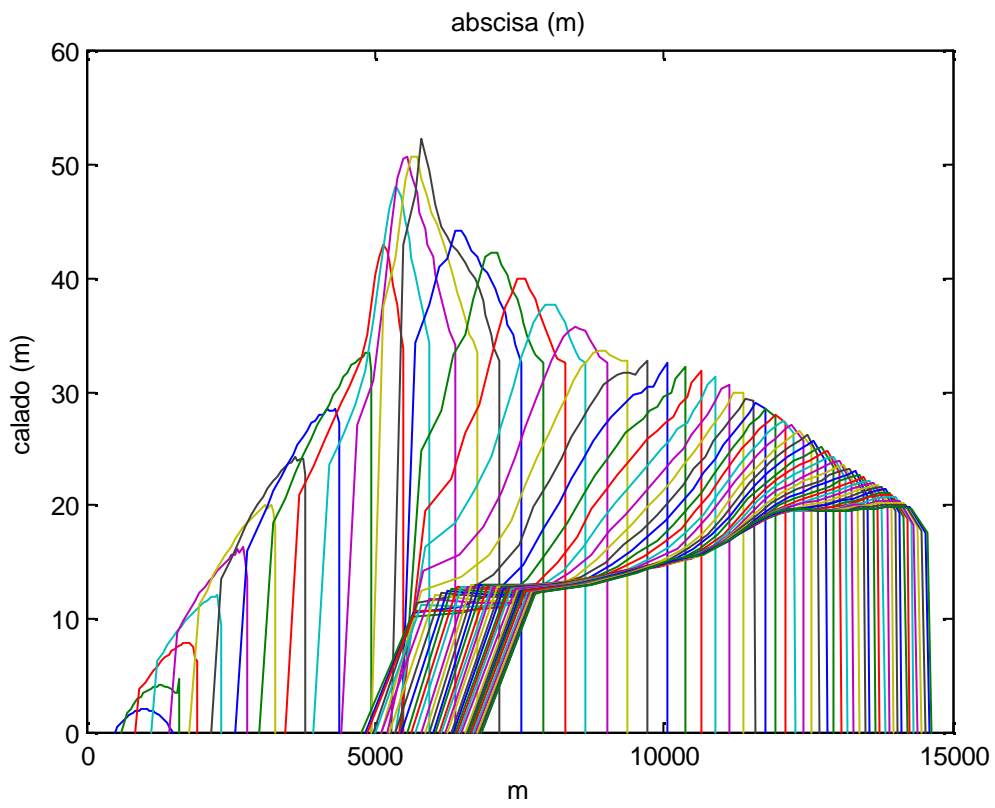


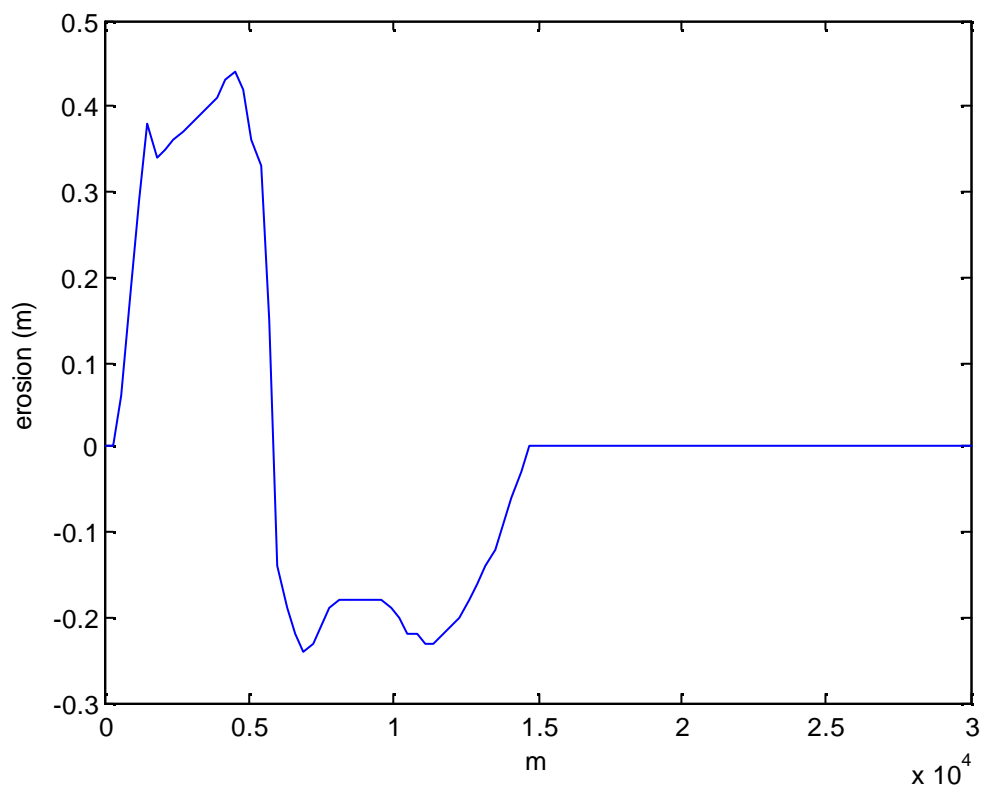
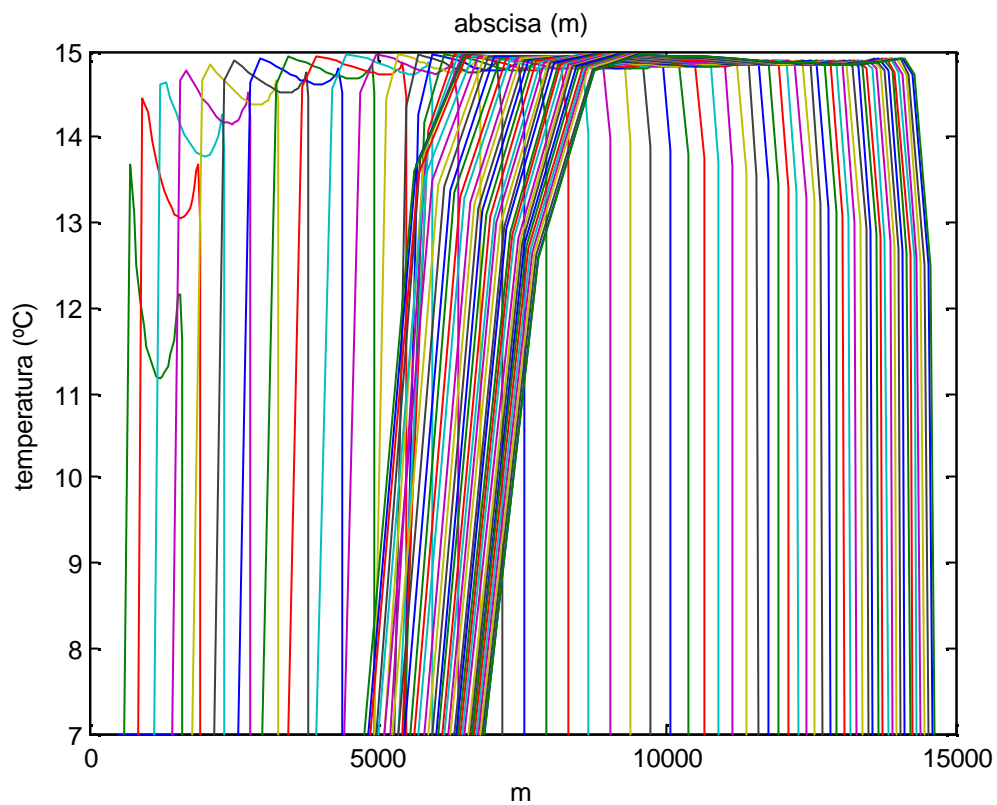
Pendiente 7,0 %:





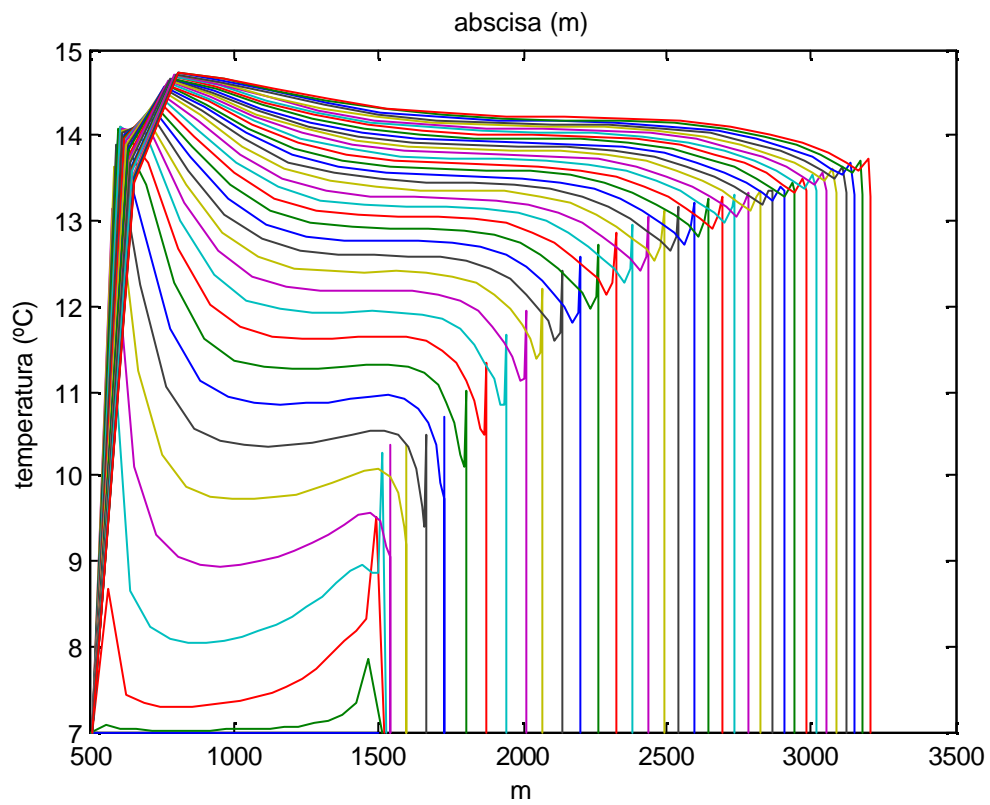
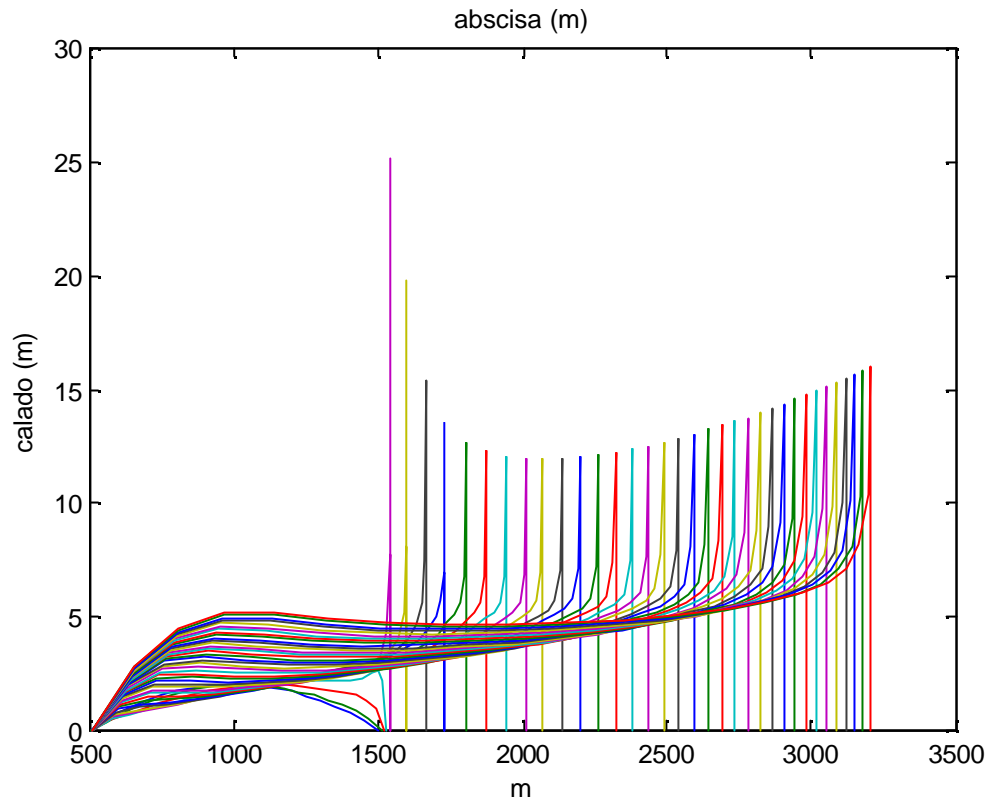
Pendiente 10,0 %:

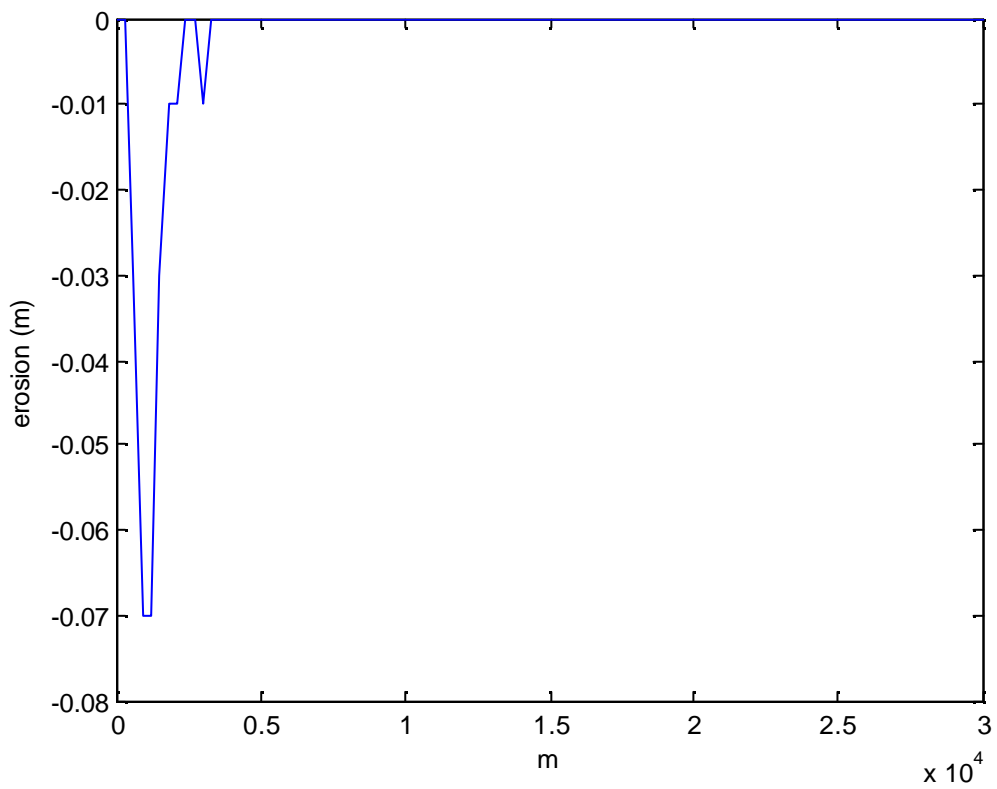
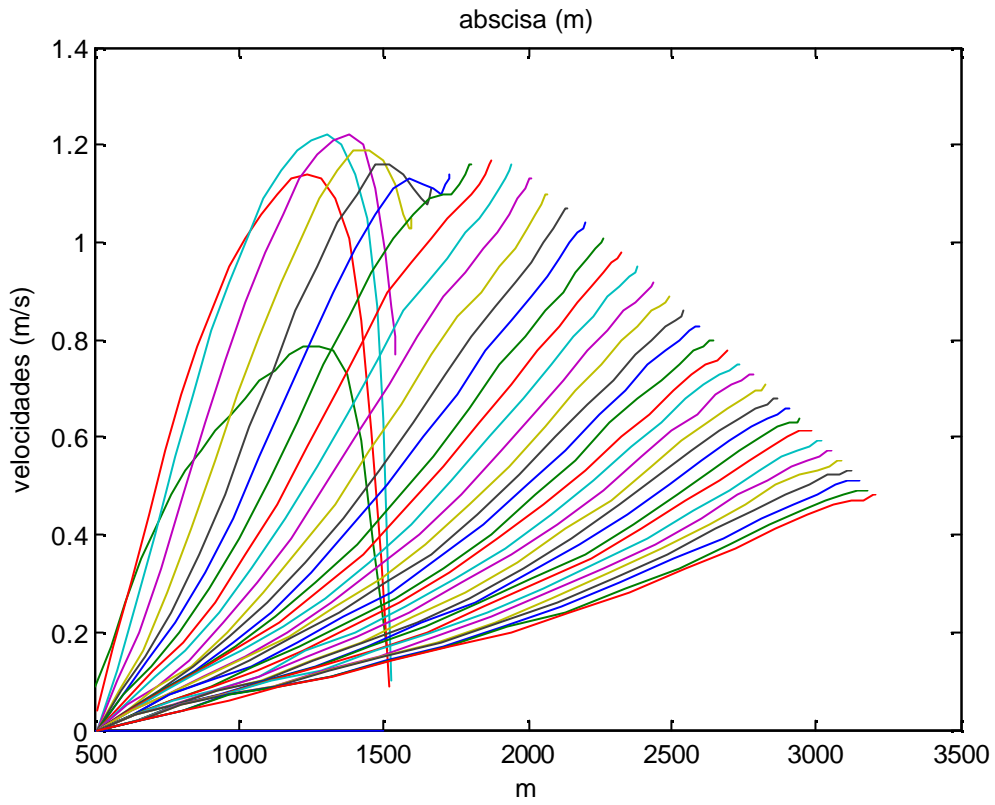




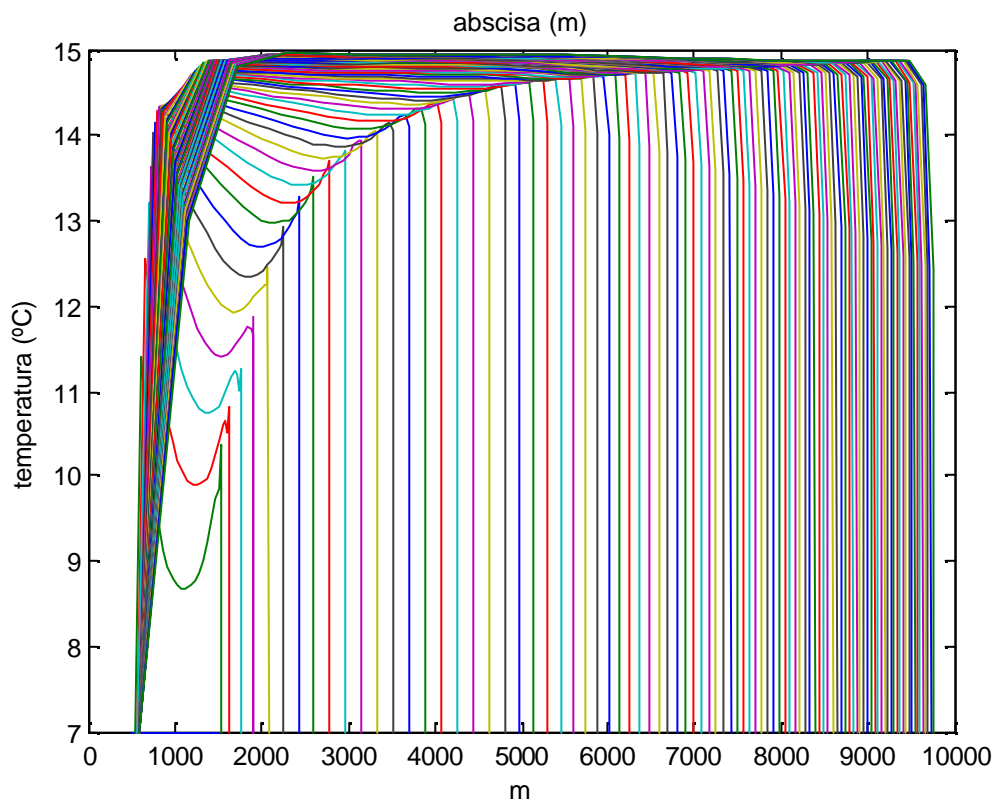
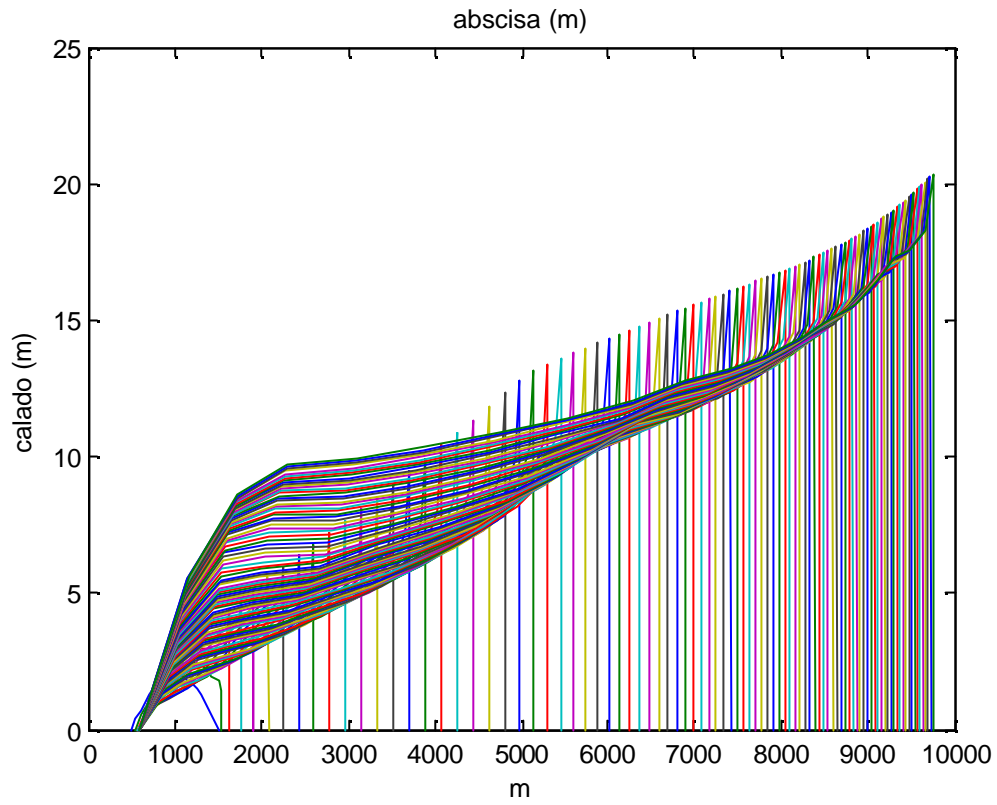
1.2 Variación de la velocidad inicial manteniendo fijos el resto de parámetros. Resultados de calados, temperatura, velocidad y erosión.

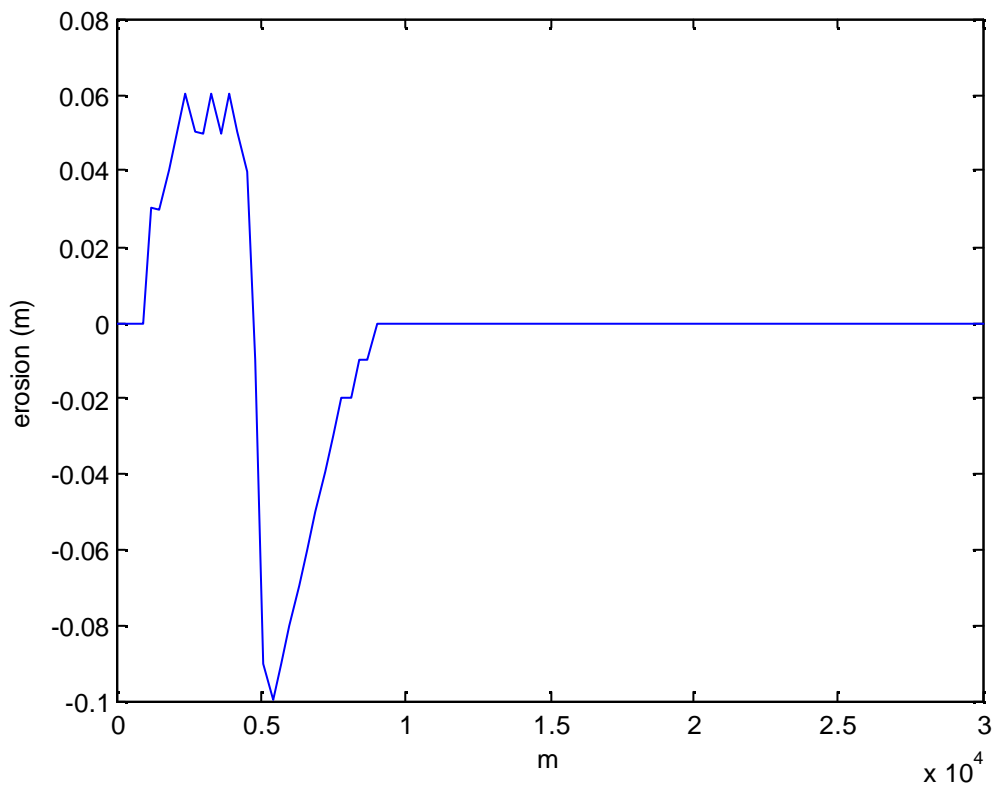
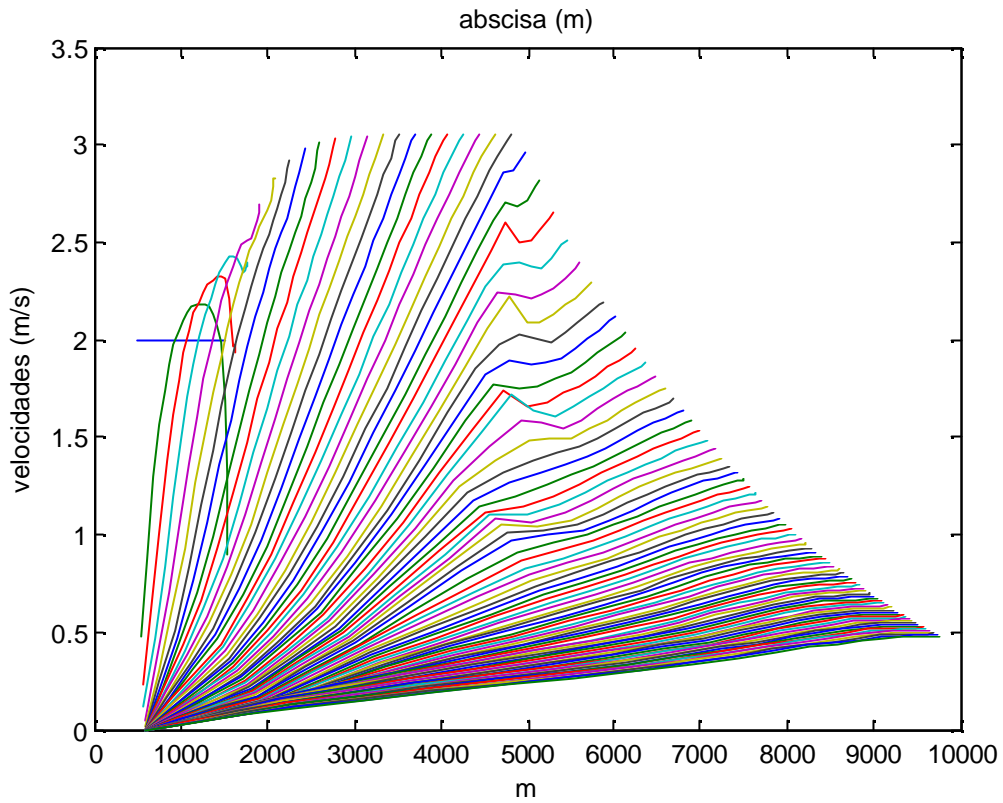
Velocidad inicial de 0,0 m/s:



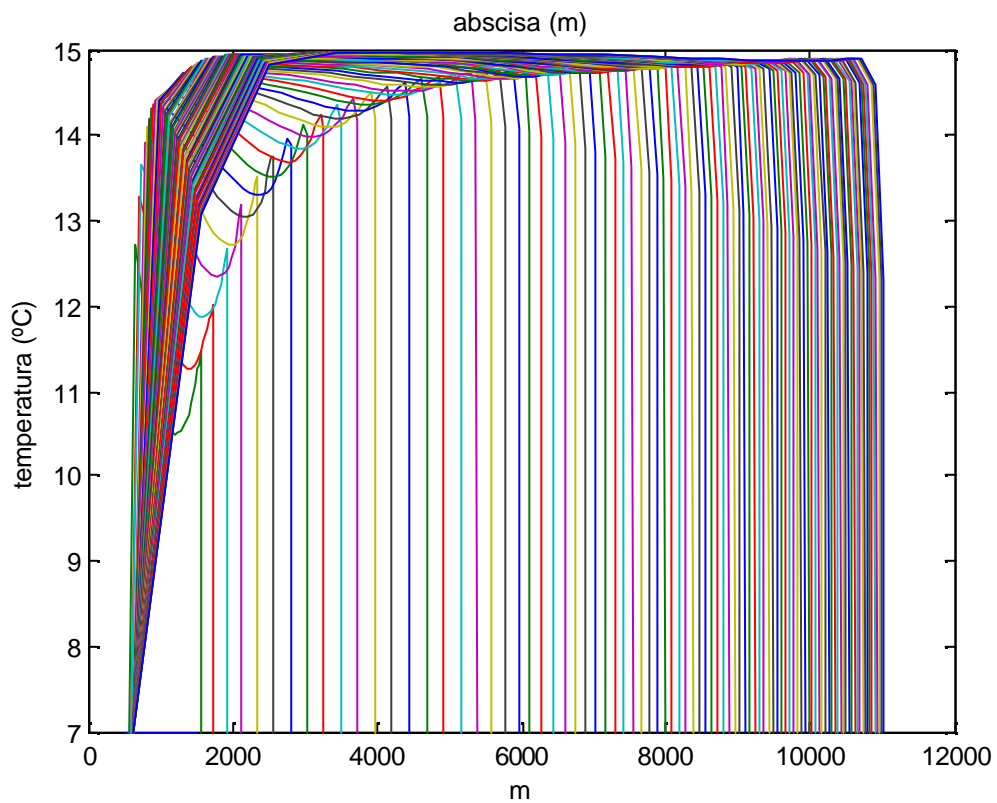
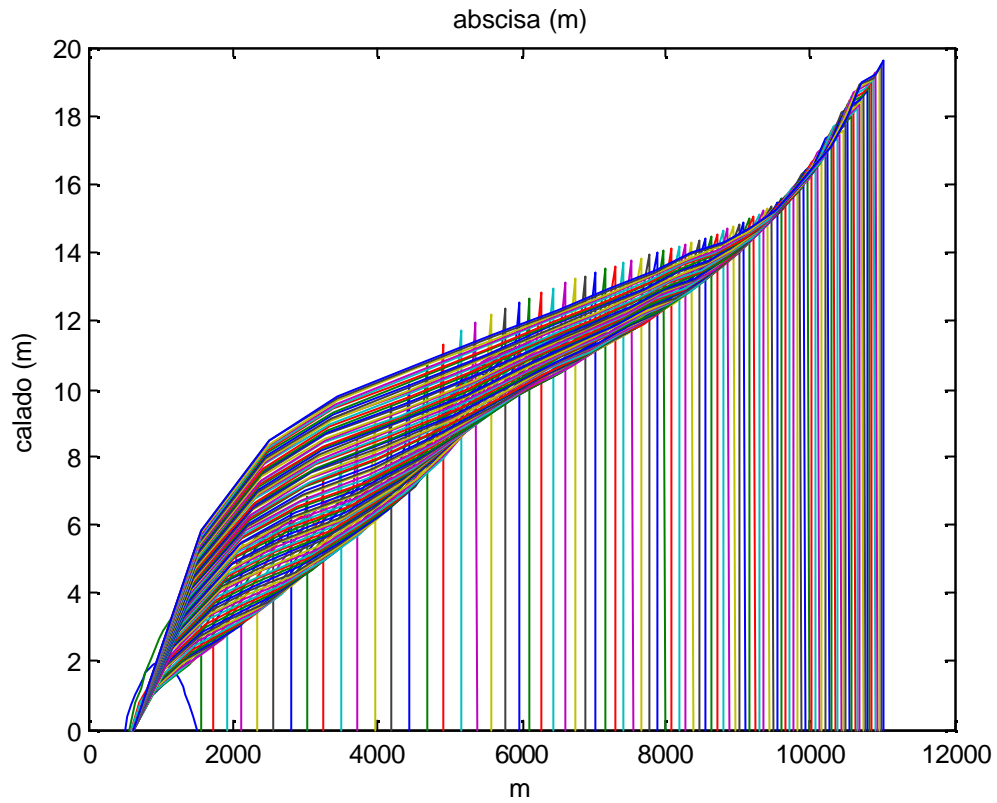


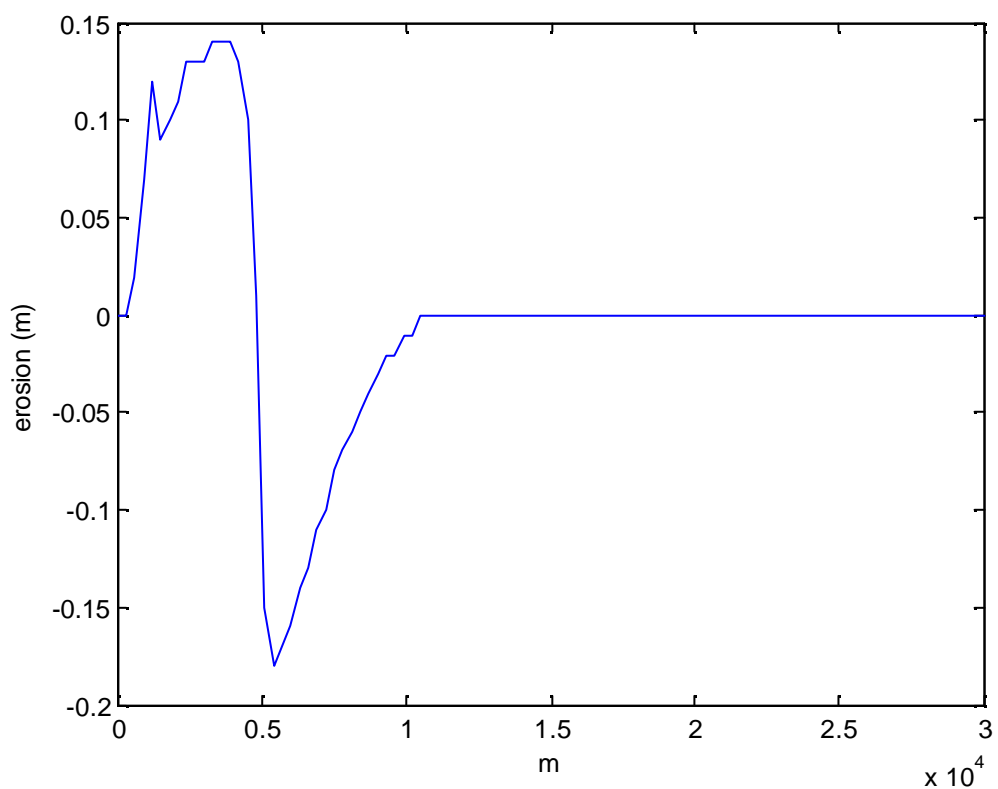
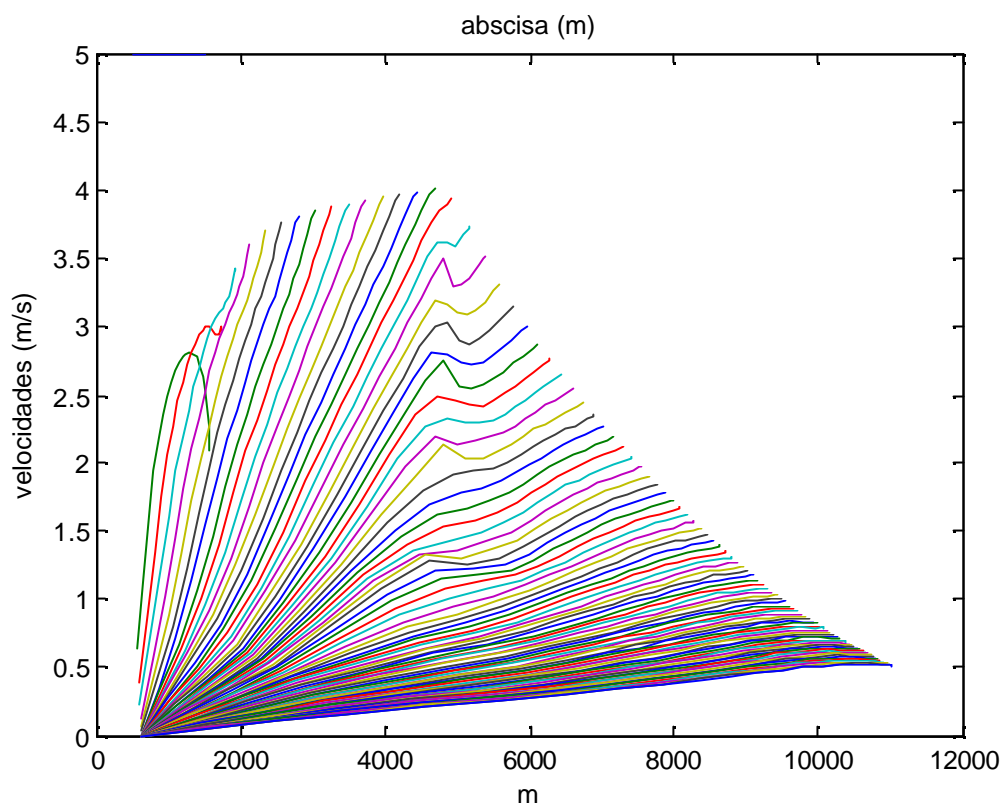
Velocidad inicial de 2,0 m/s:





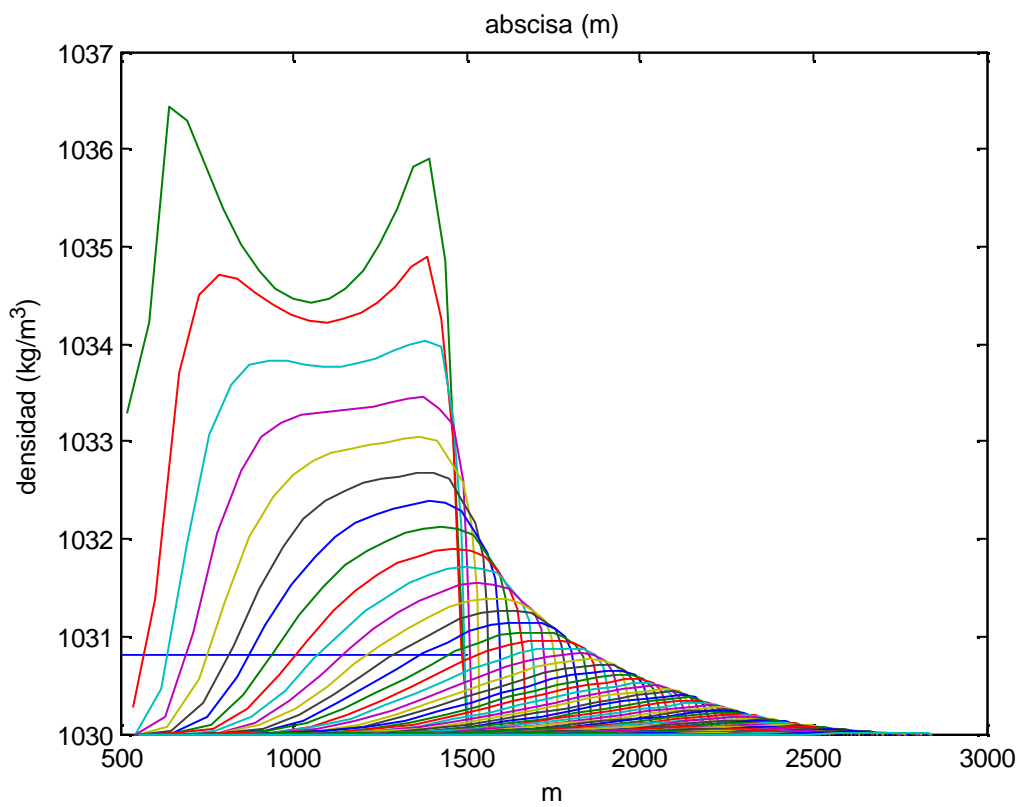
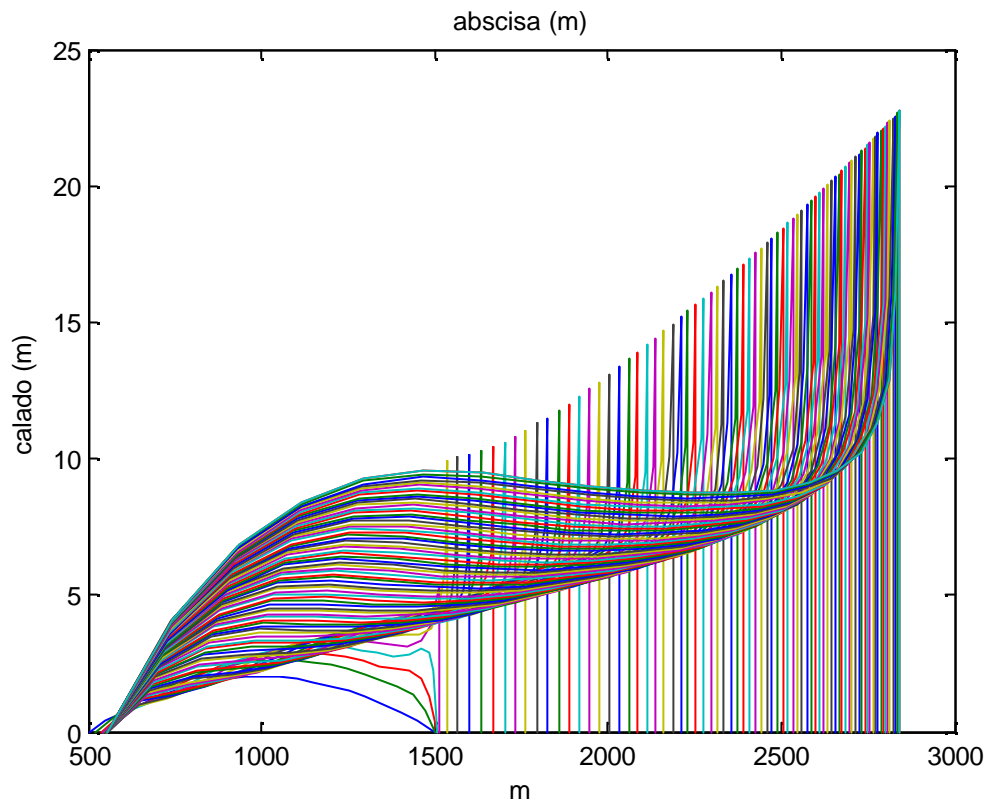
Velocidad inicial de 5,0 m/s:

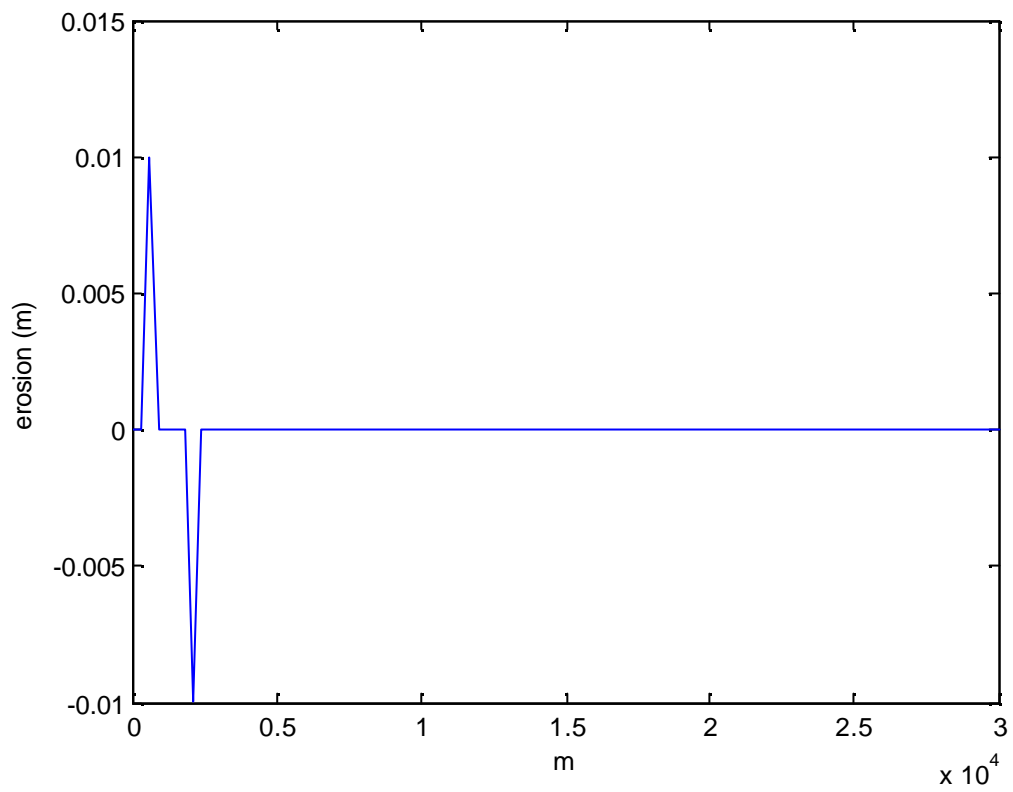




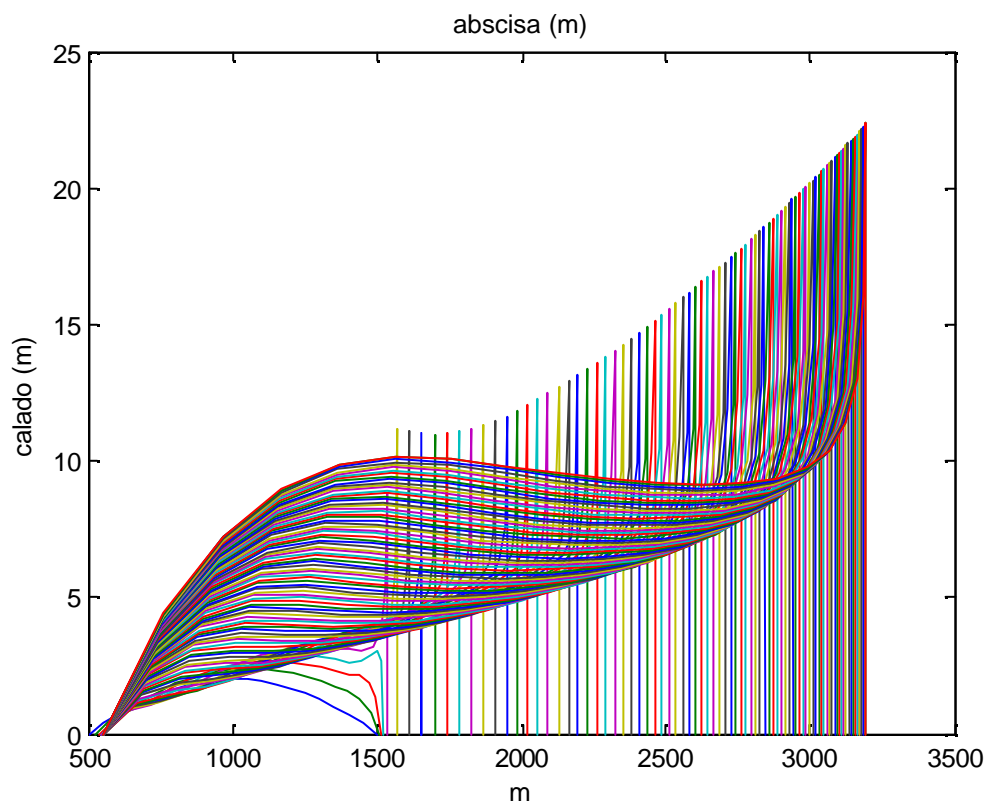
1.3 Variación de la concentración inicial manteniendo fijos el resto de parámetros. Resultados de calados, densidad y erosión.

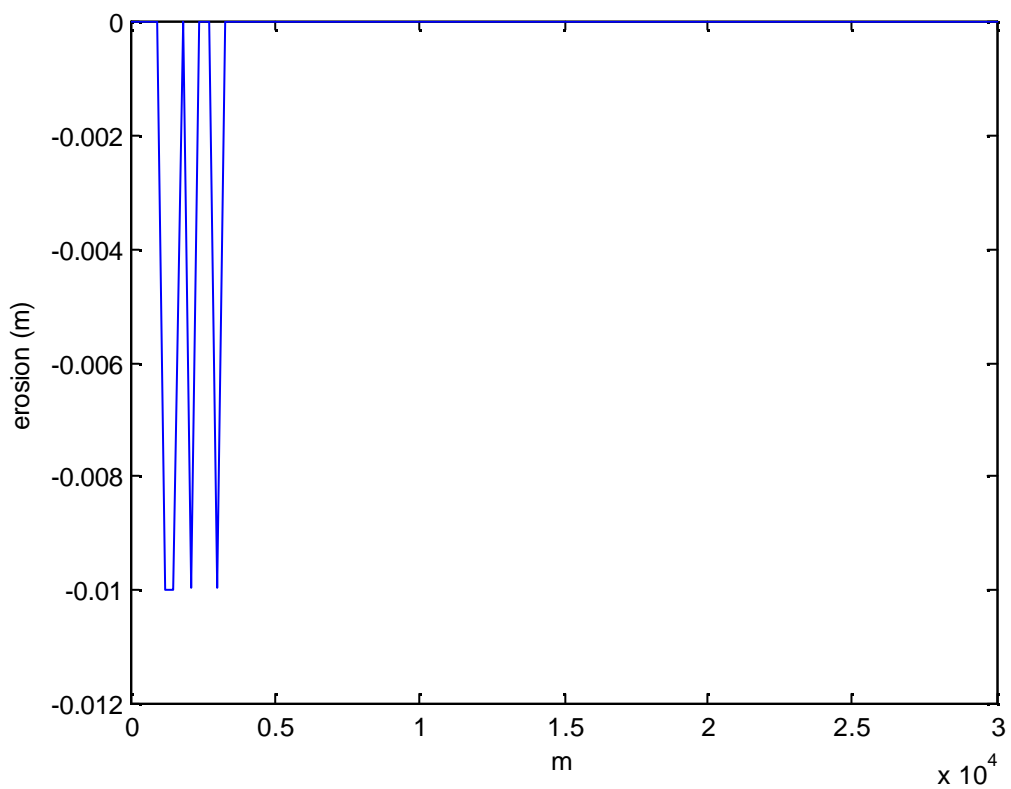
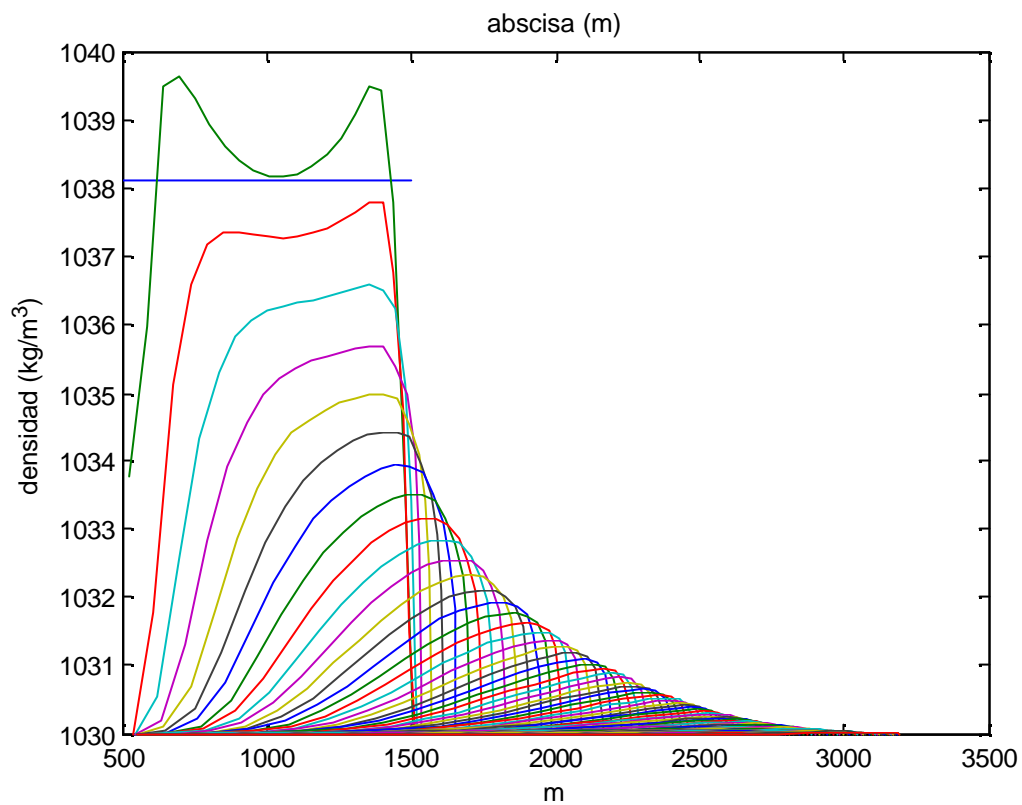
Concentración inicial de 0,0005 (volumen sedimento/volumen total):



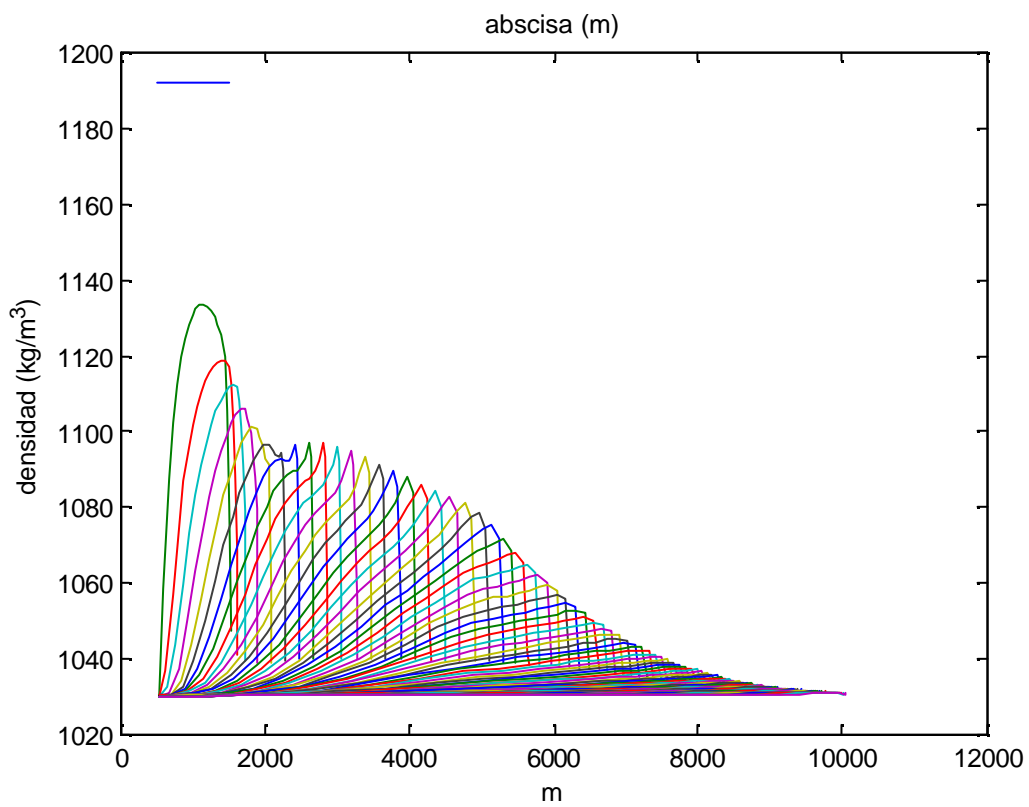
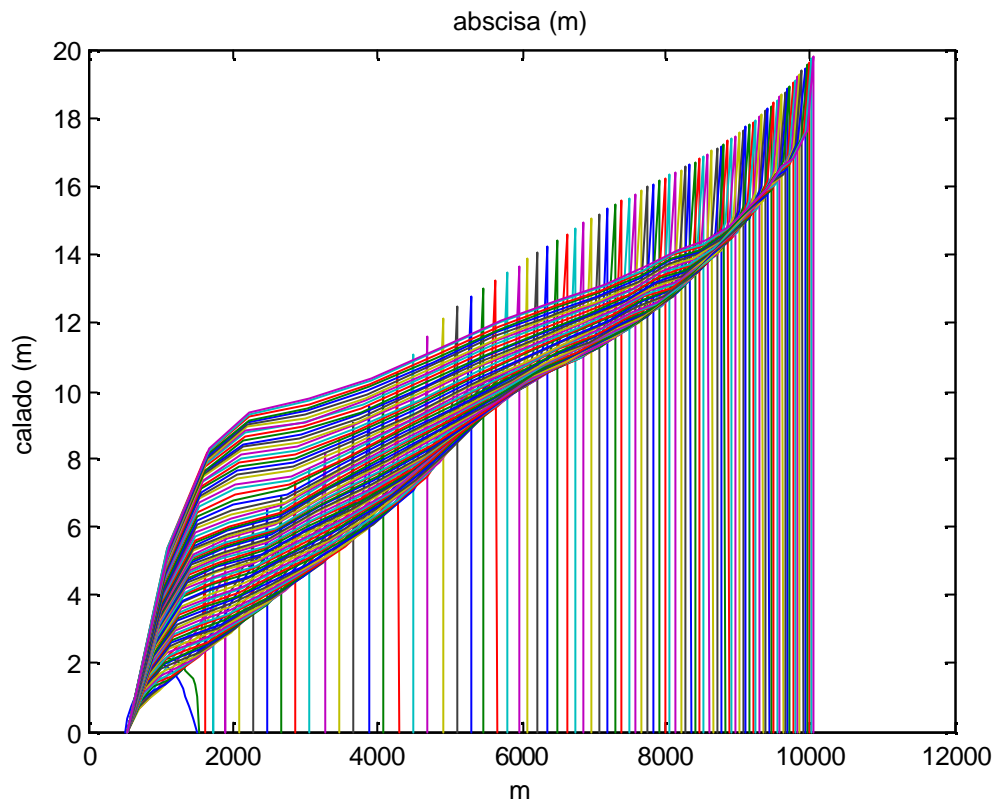


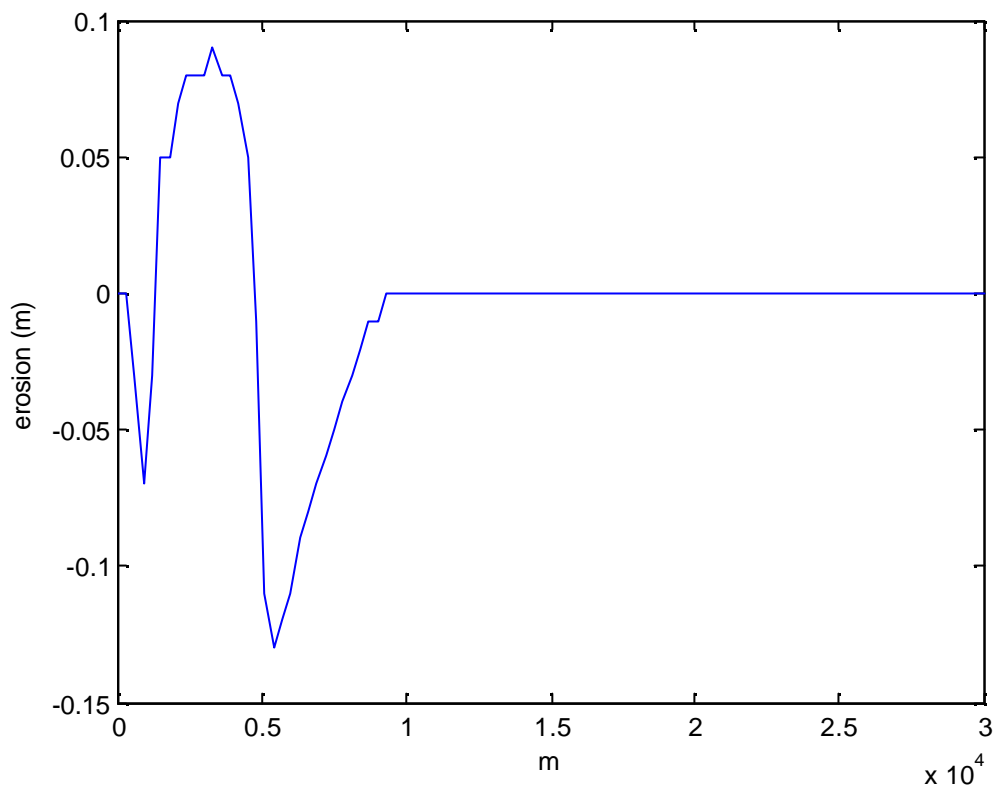
Concentración inicial de 0,005 (volumen de sedimento/volumen total):



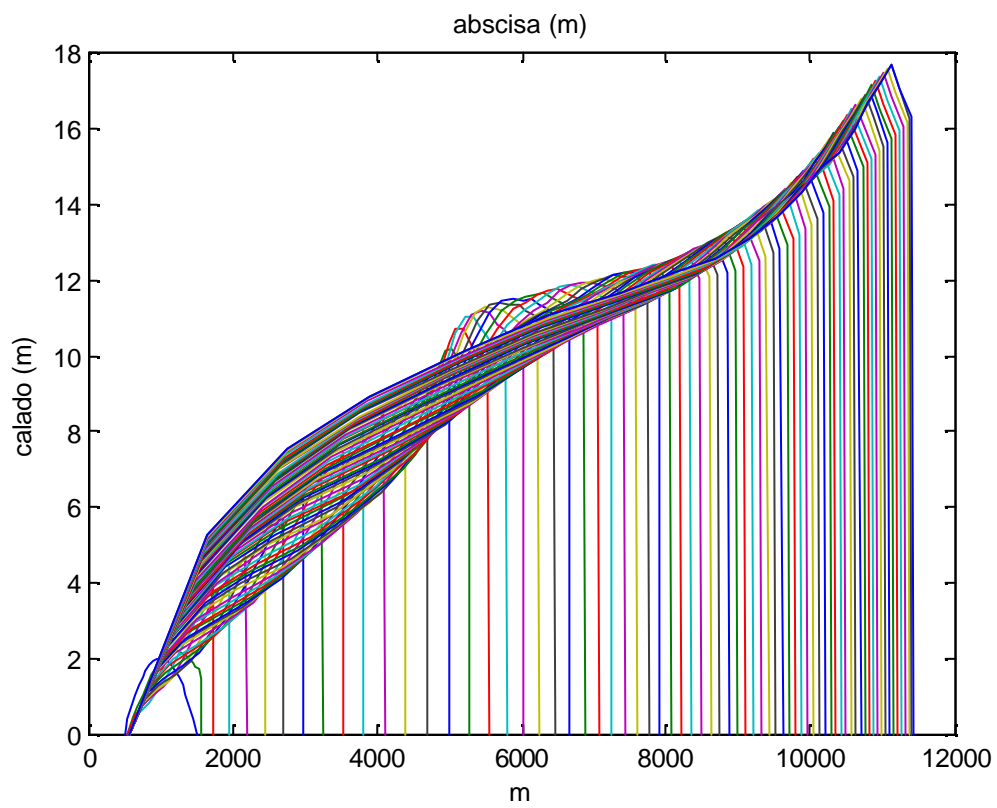


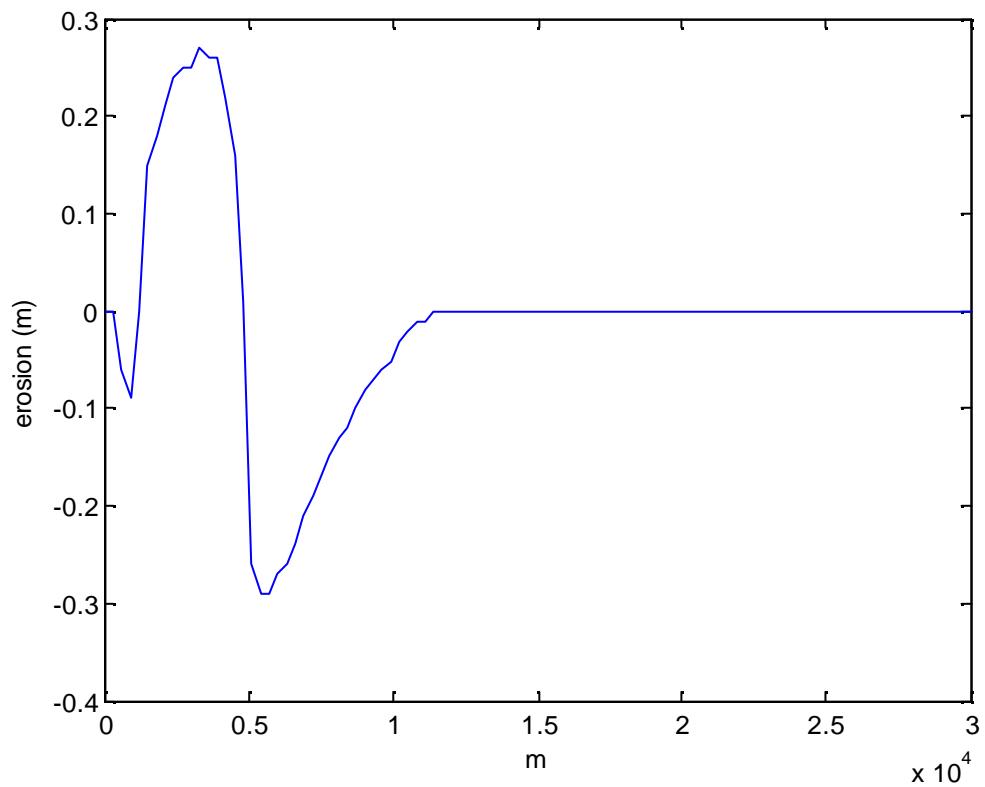
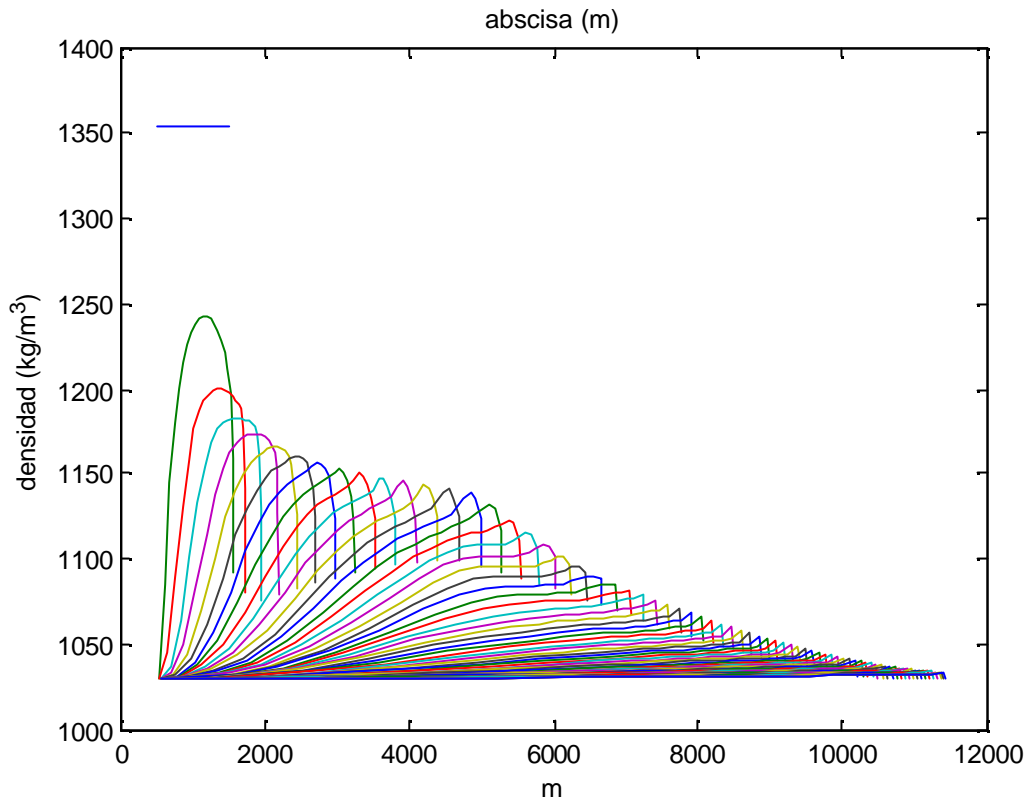
Concentración inicial de 0,1 (volumen sedimento/volumen total):



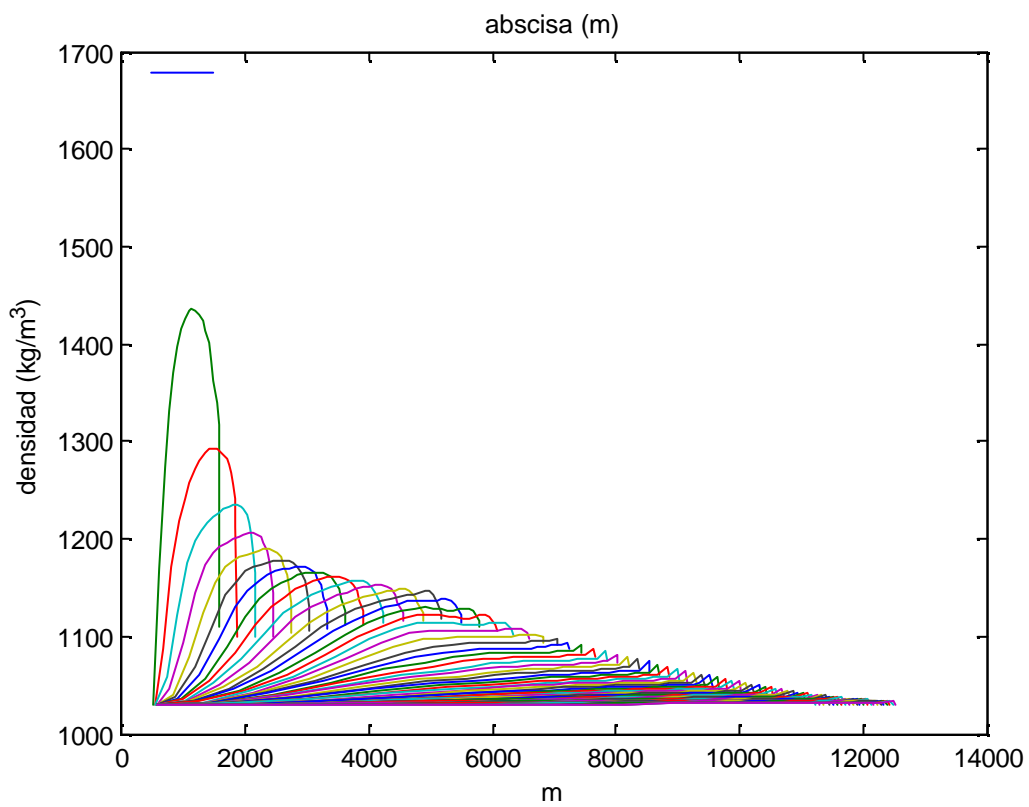
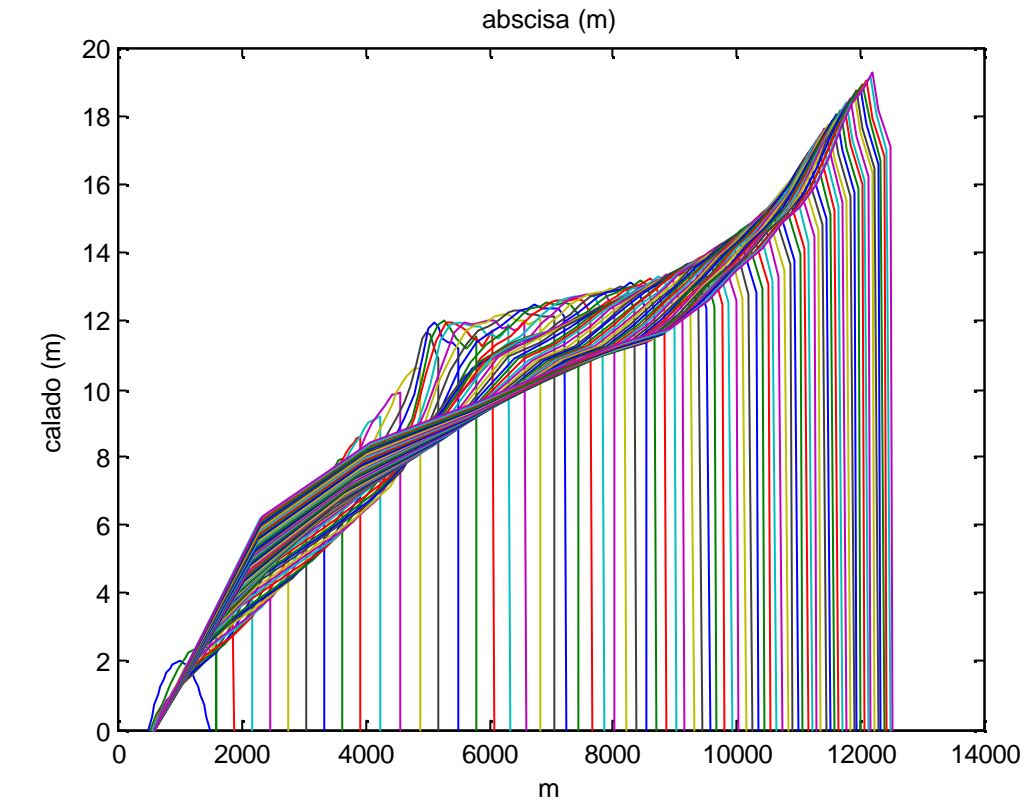


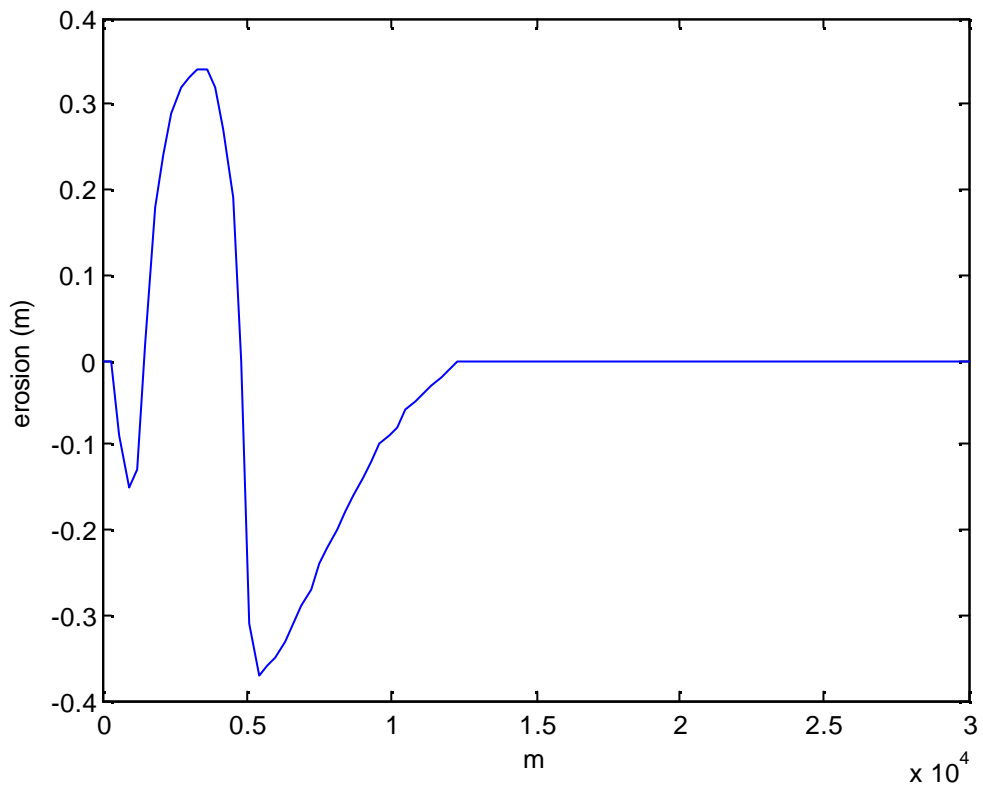
Concentración inicial de 0,2 (volumen sedimento/volumen total):





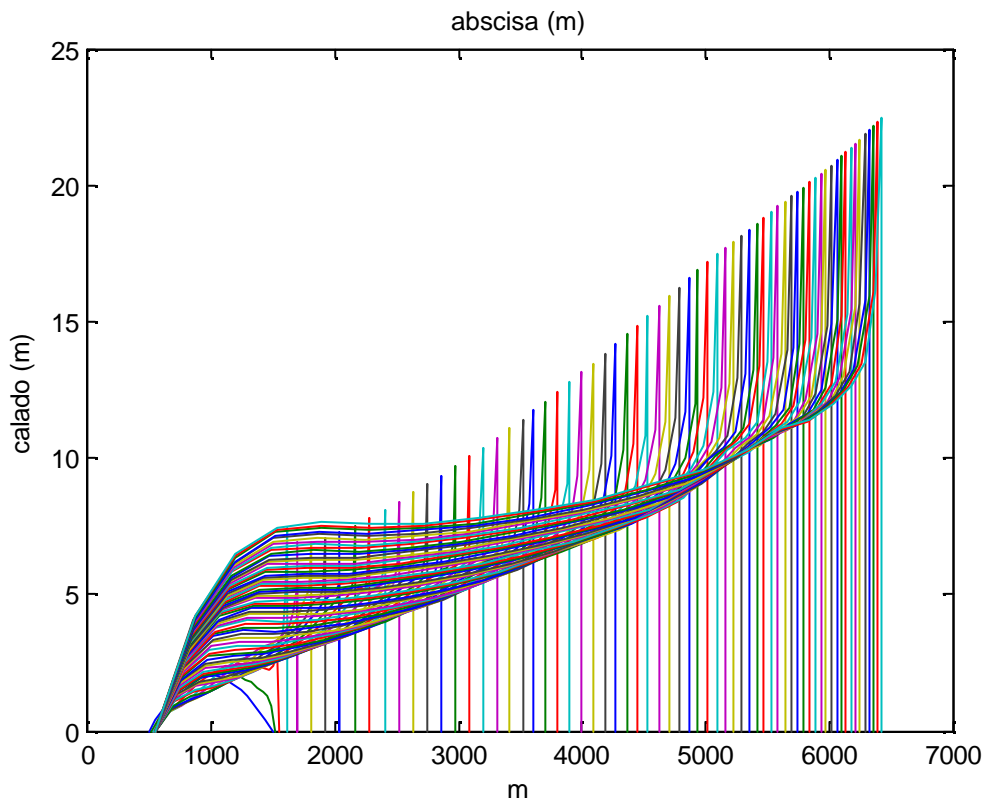
Concentración inicial de 0,4 (volumen sedimento/volumen total):

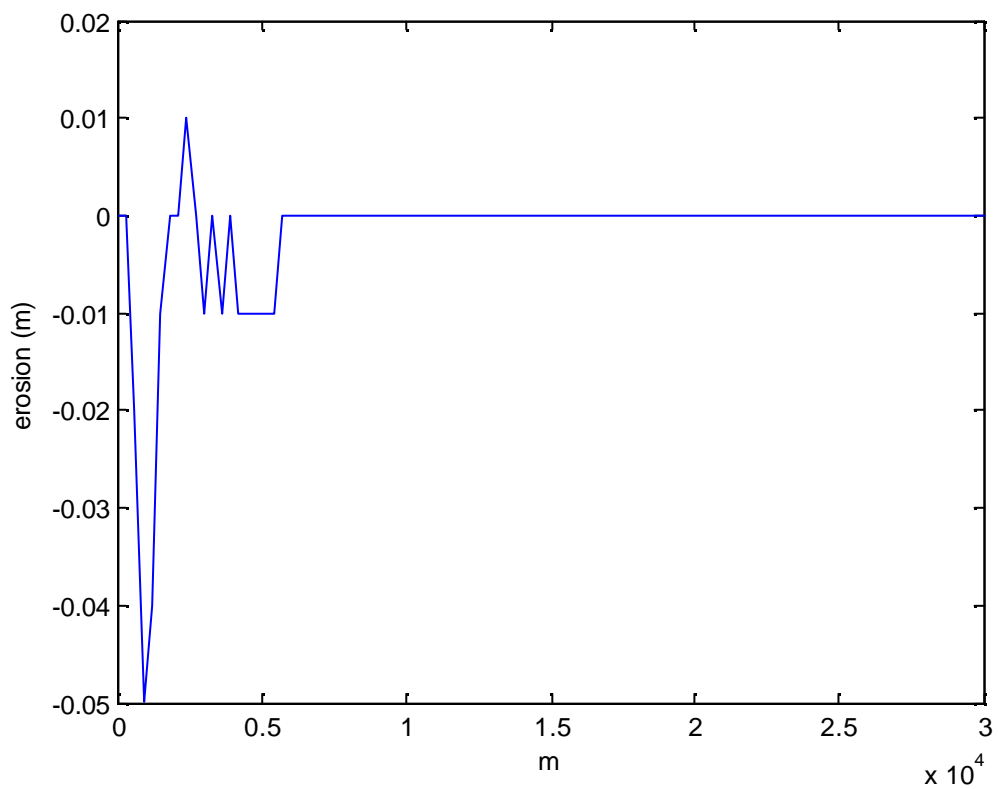
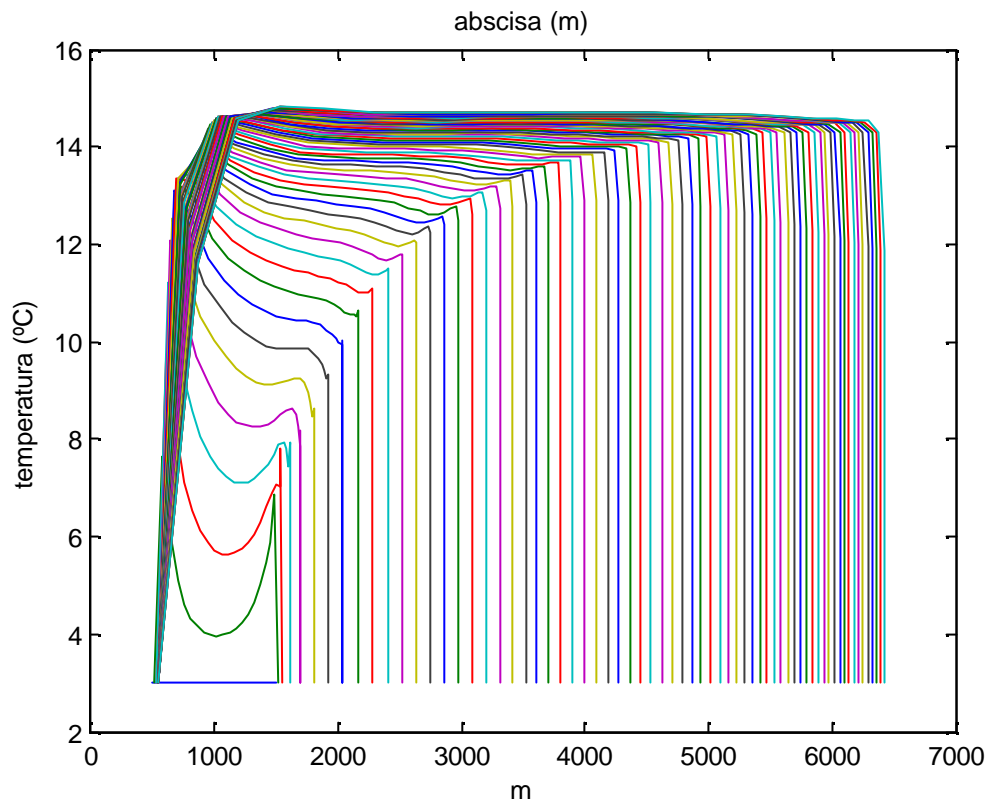




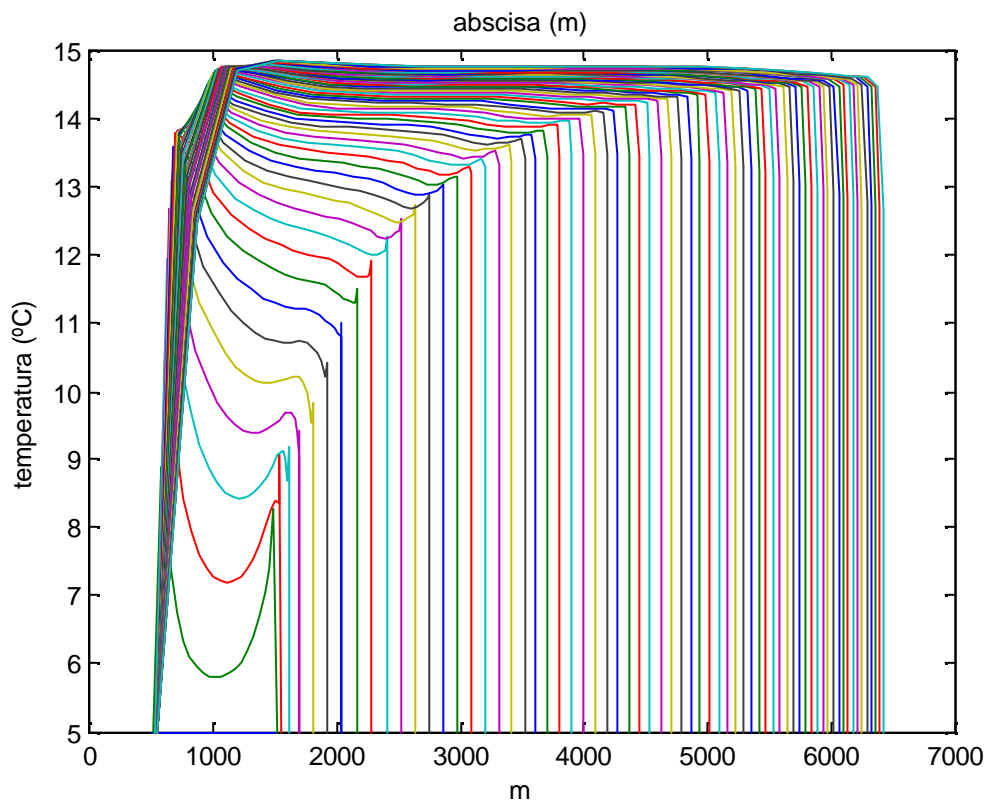
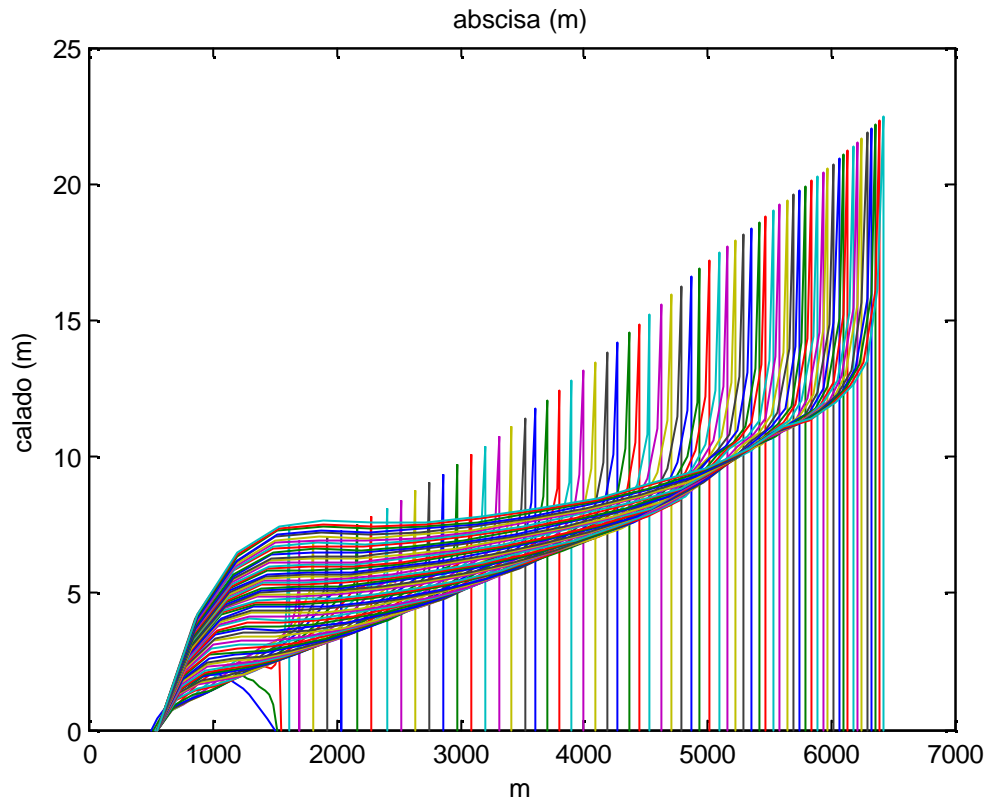
1.4 Variación de la temperatura inicial manteniendo fijos el resto de parámetros. Resultados de calados, temperatura y erosión.

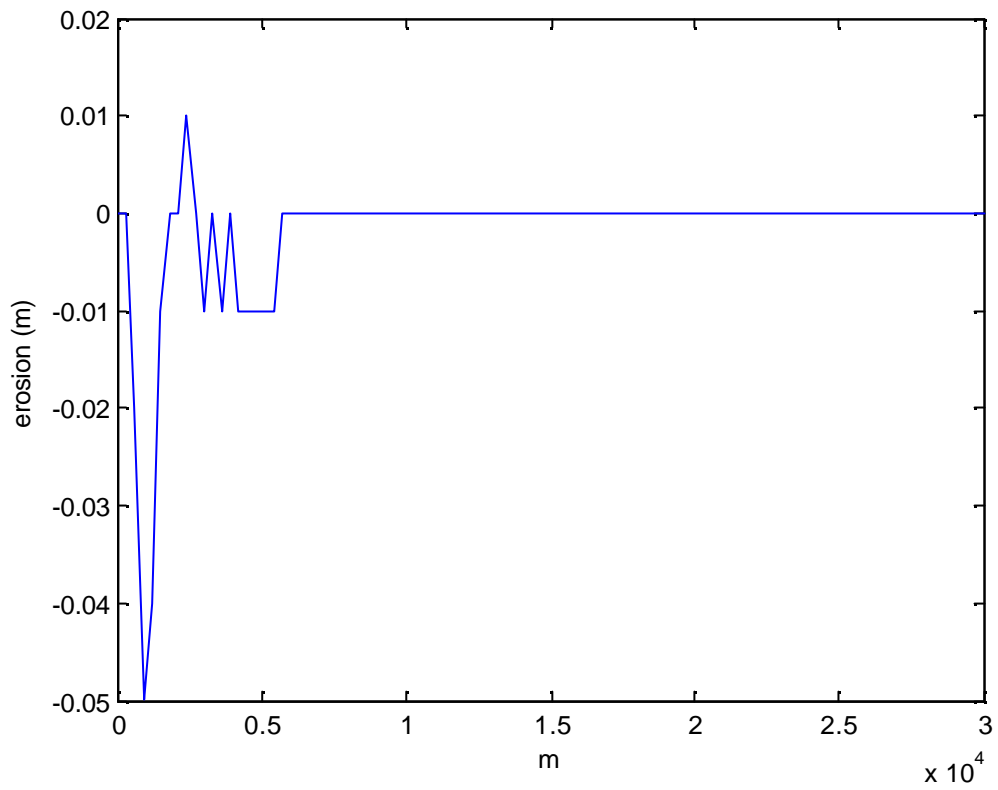
Temperatura inicial de 3,0 °C:



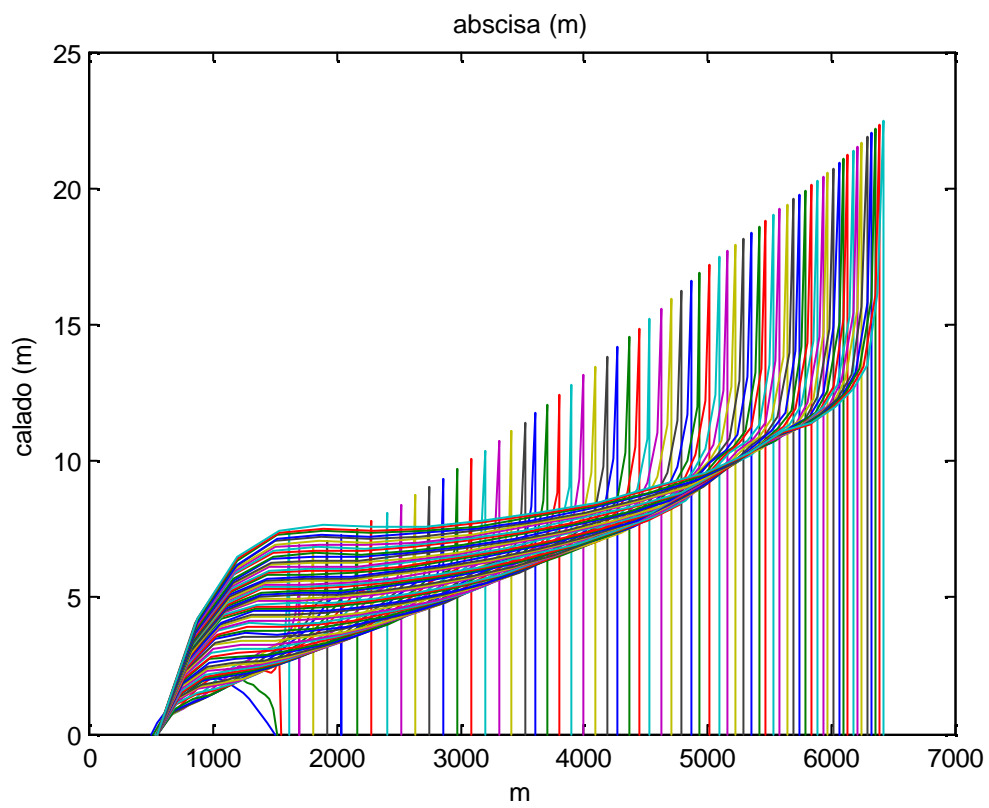


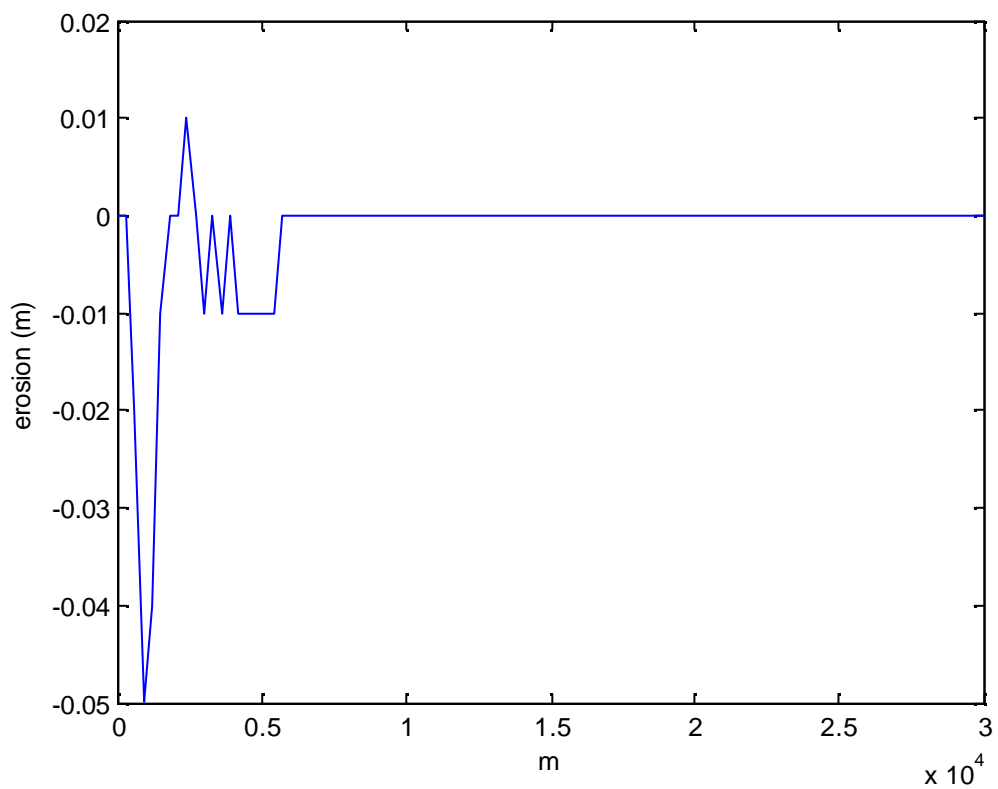
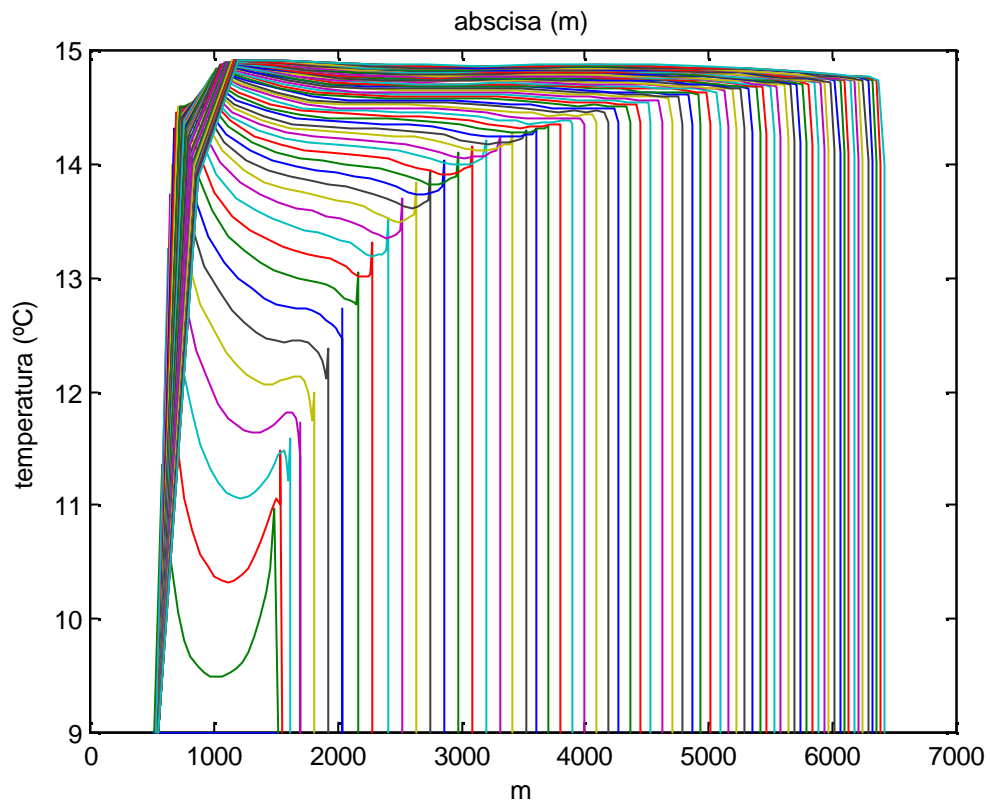
Temperatura inicial de 5,0 °C:



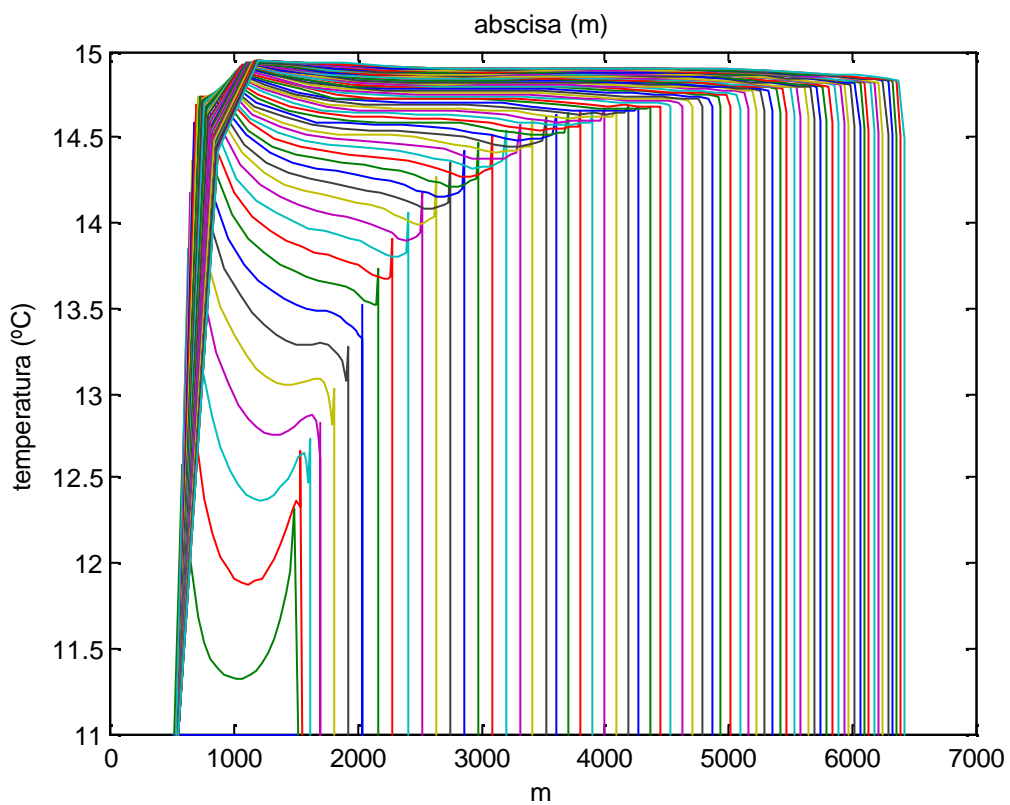
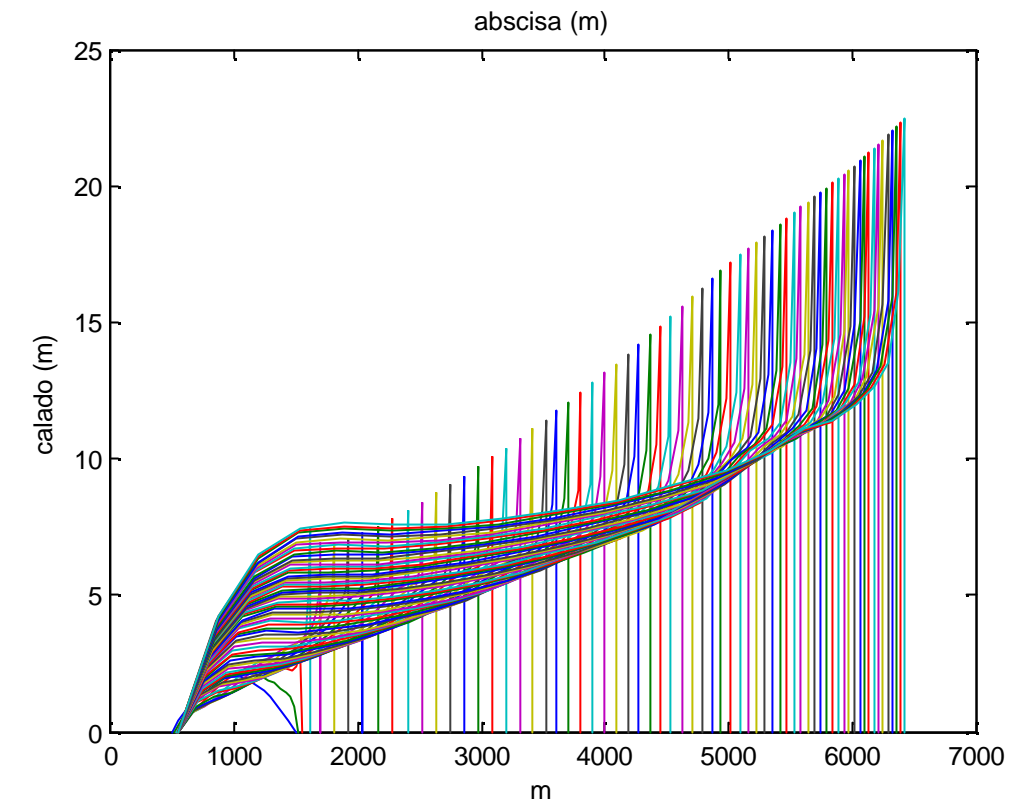


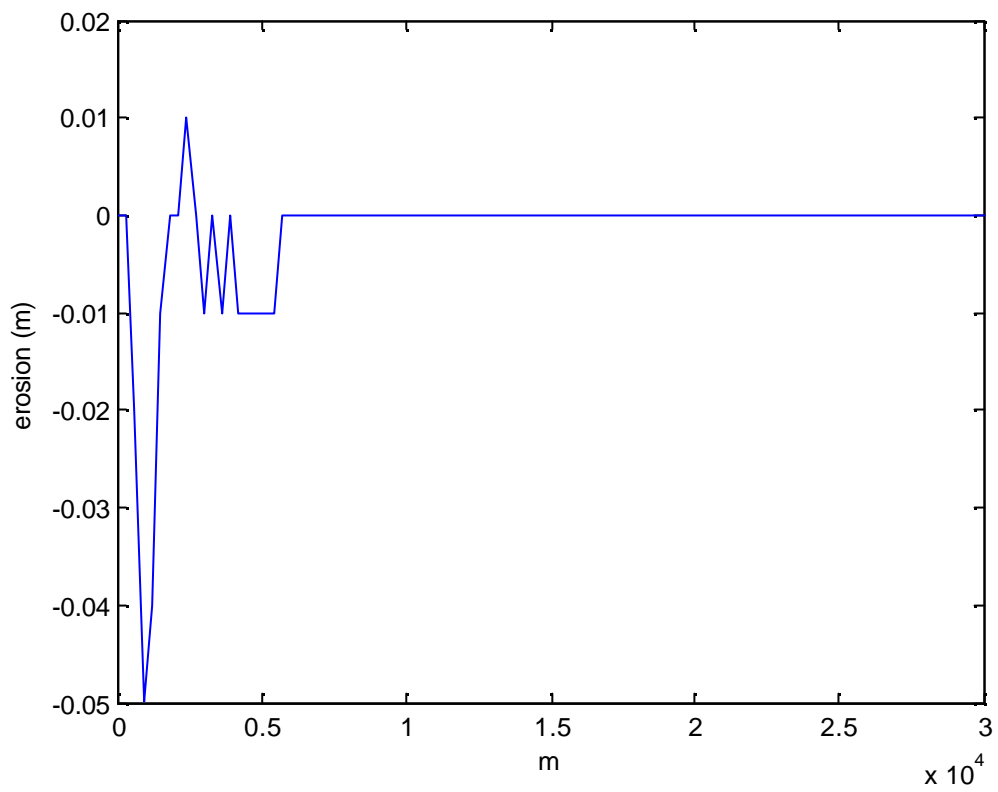
Temperatura inicial de 9,0 °C:



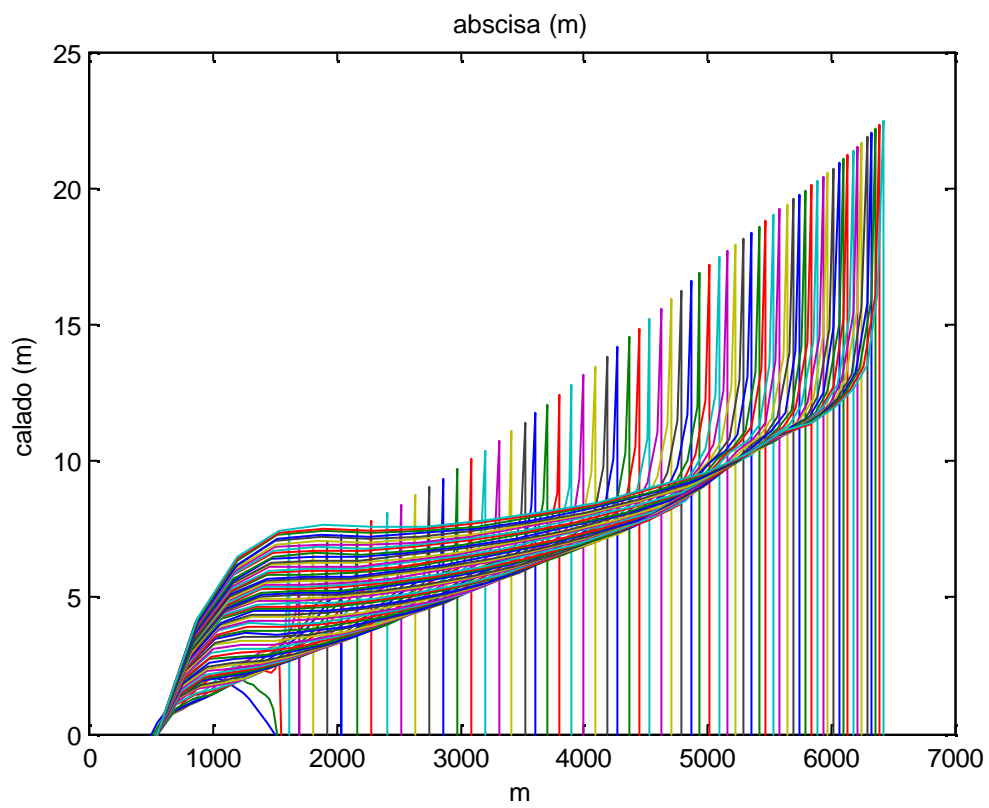


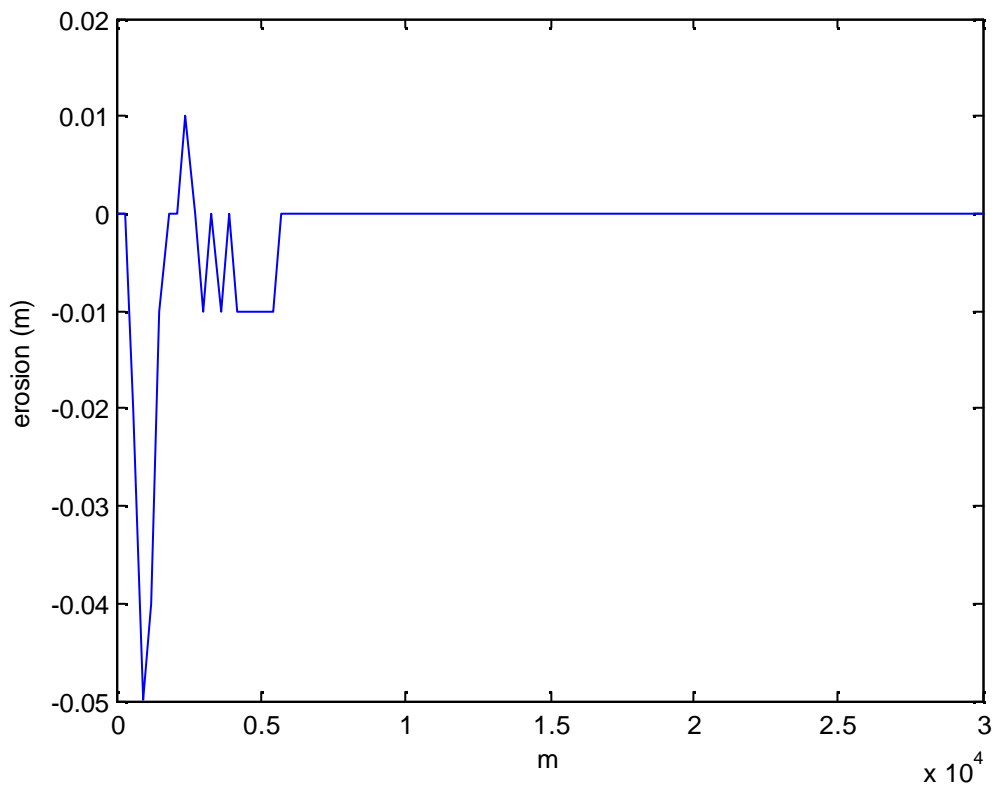
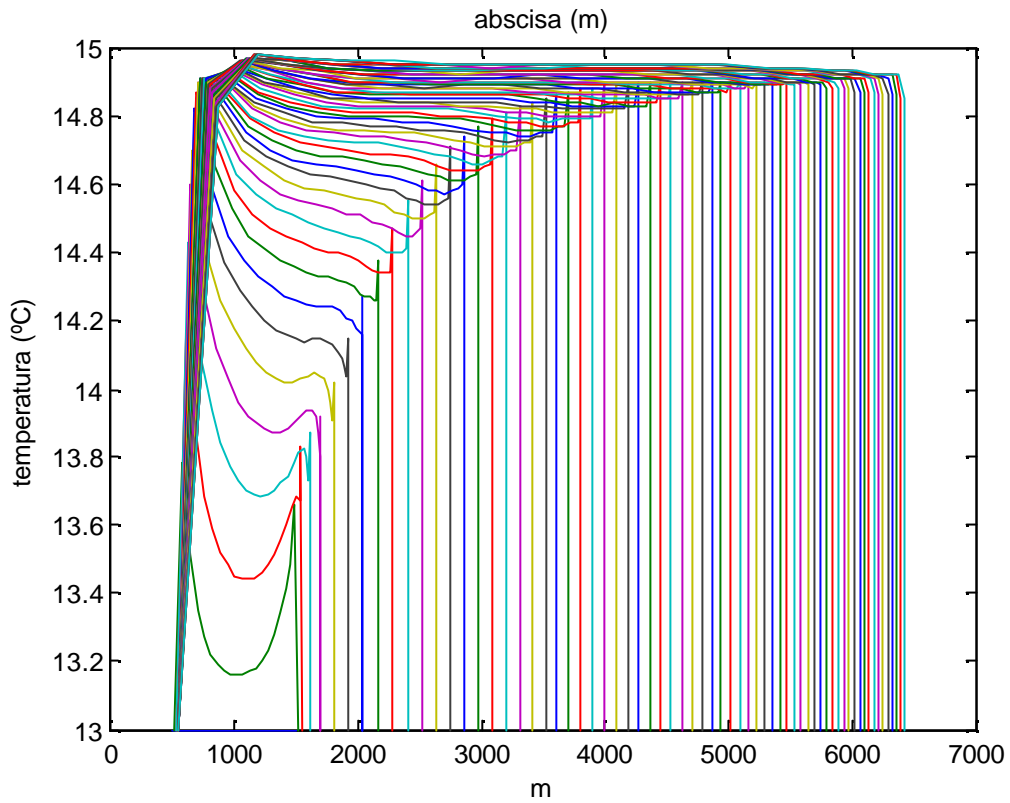
Temperatura inicial de 11,0 °C:



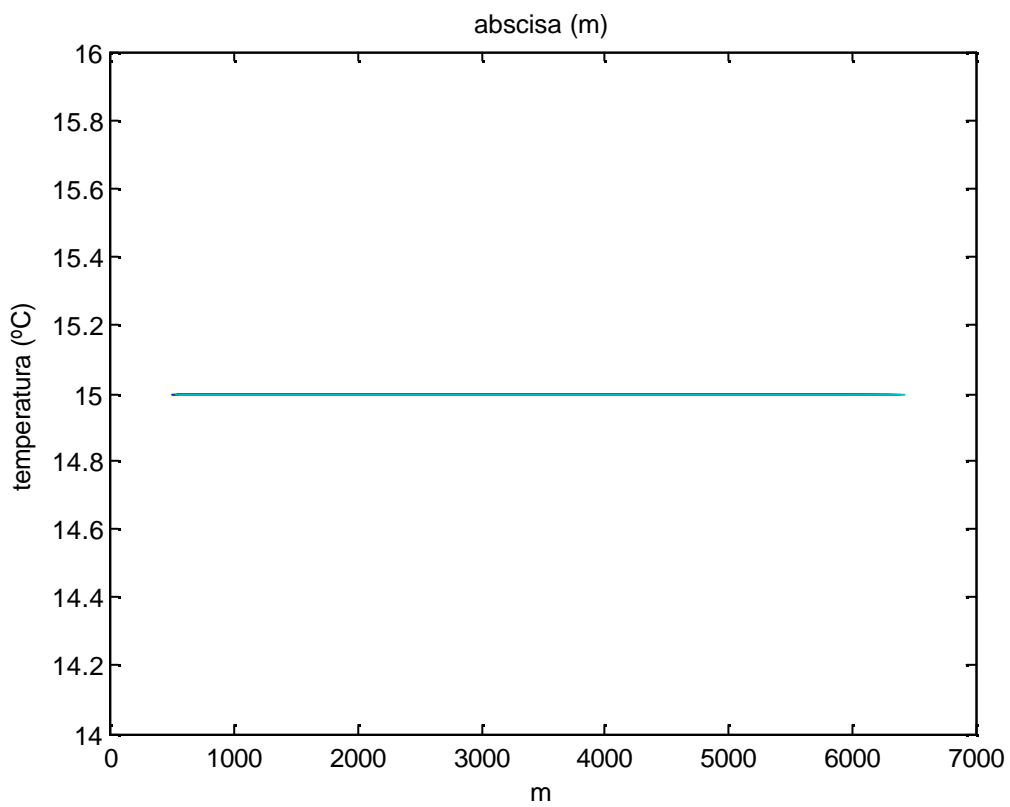
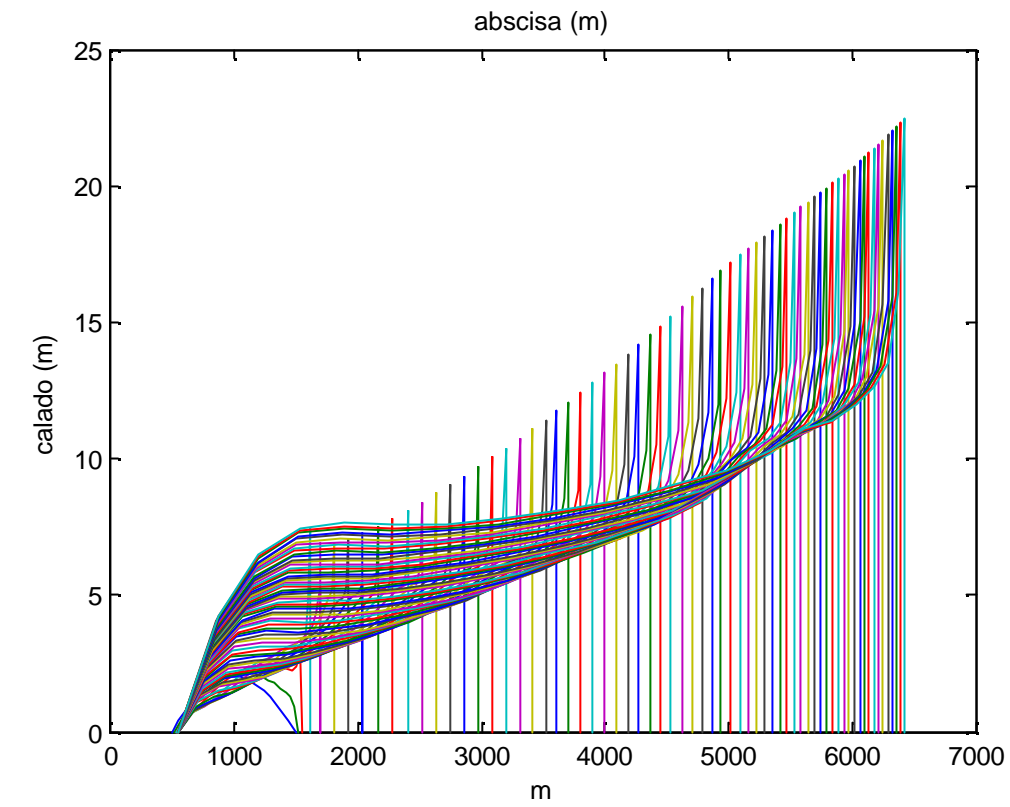


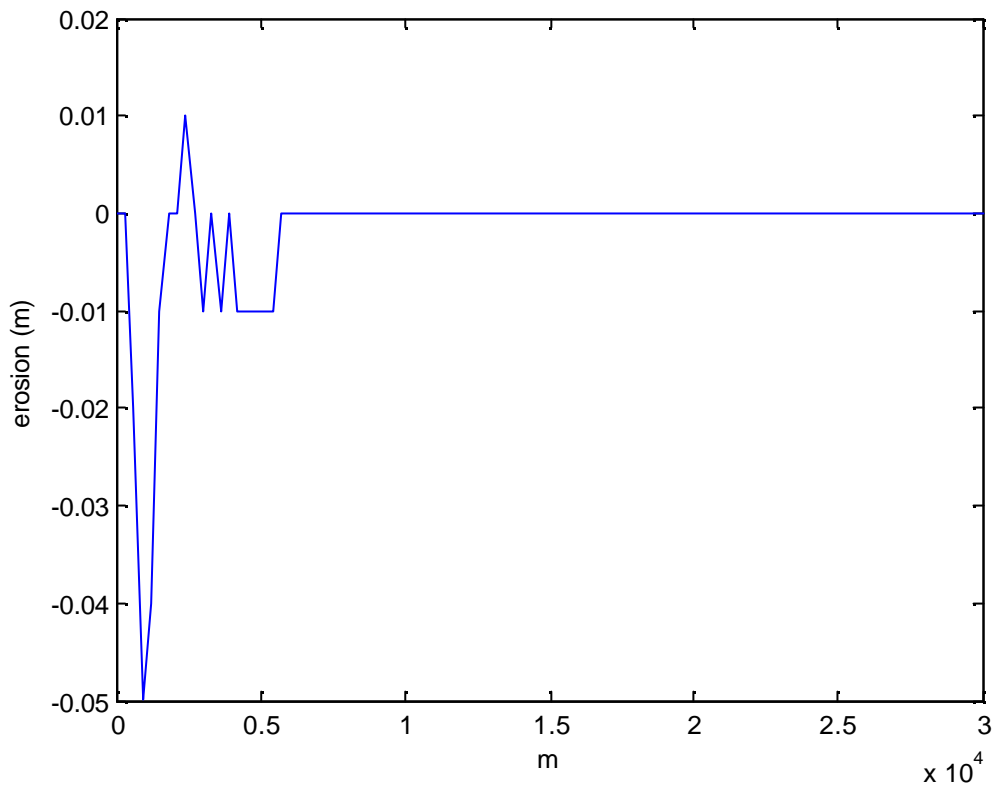
Temperatura inicial de 13,0 °C:





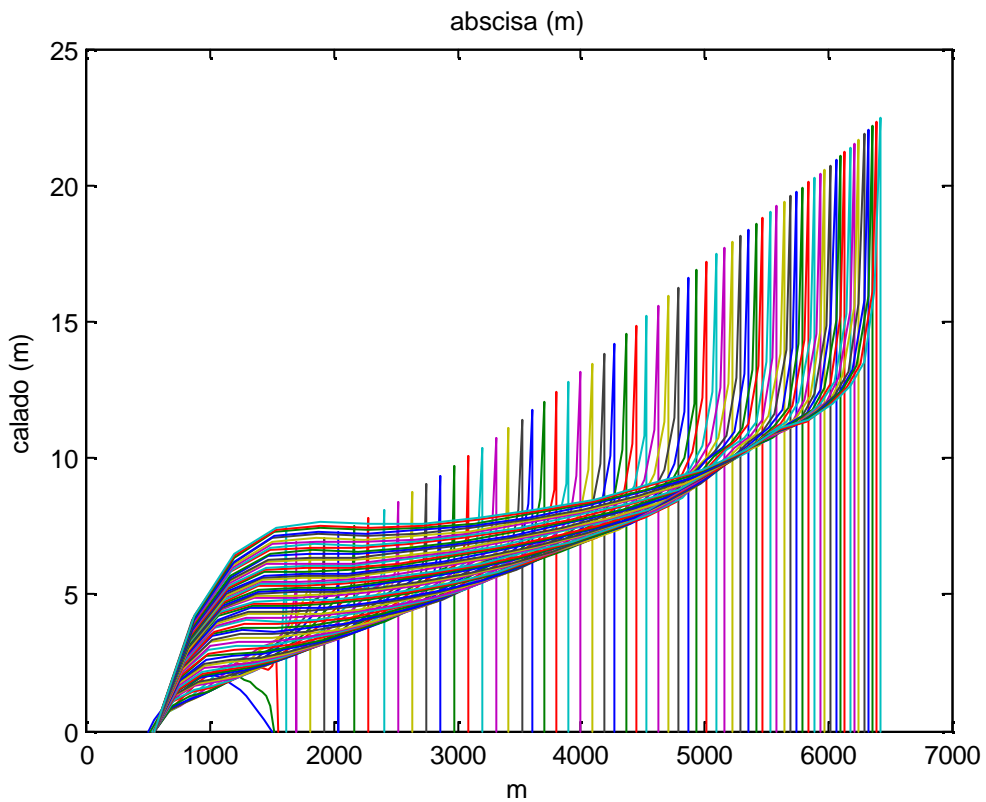
Temperatura inicial de 15,0 °C (igual a la del ambiente y el sedimento):

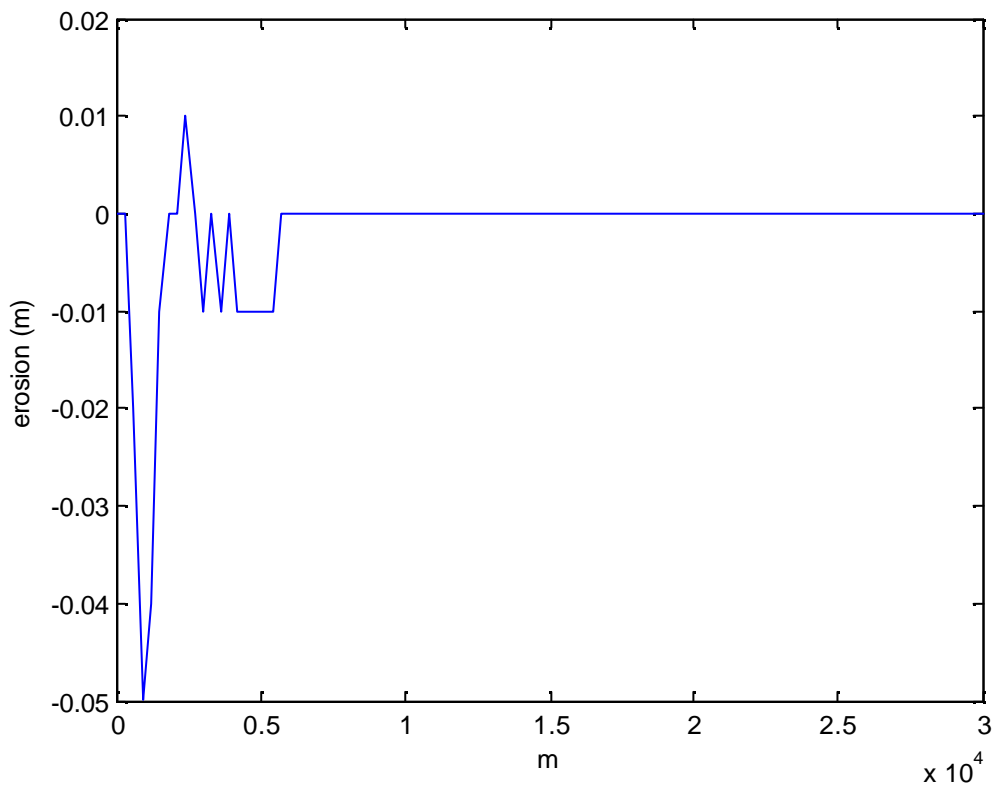
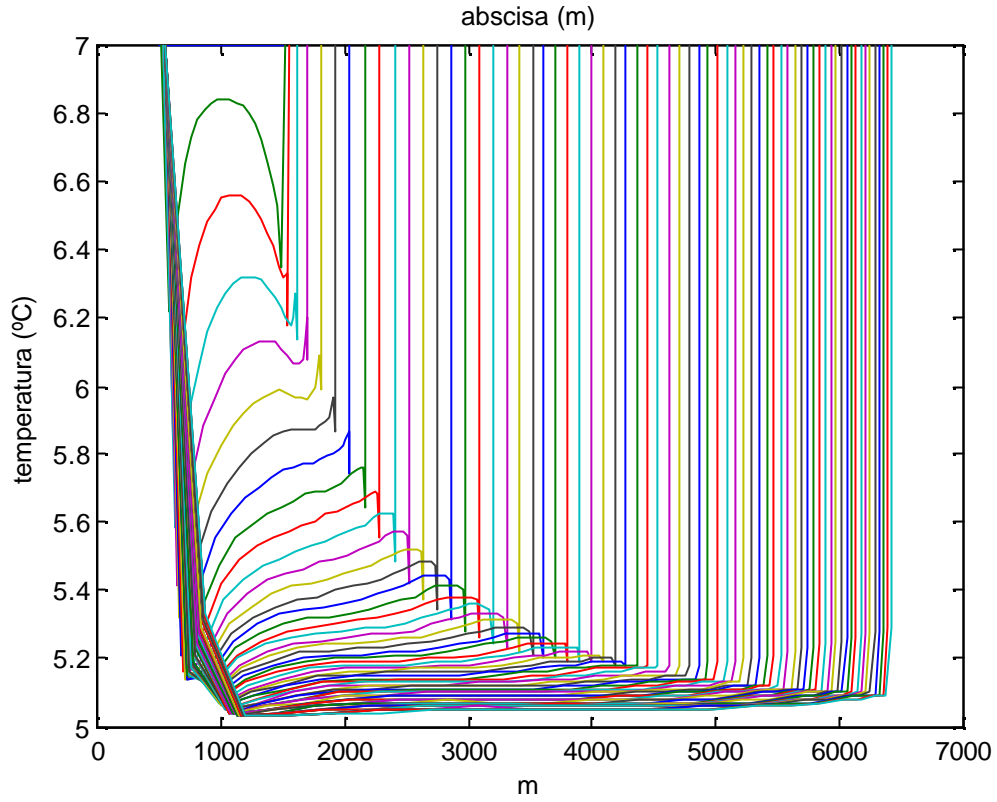




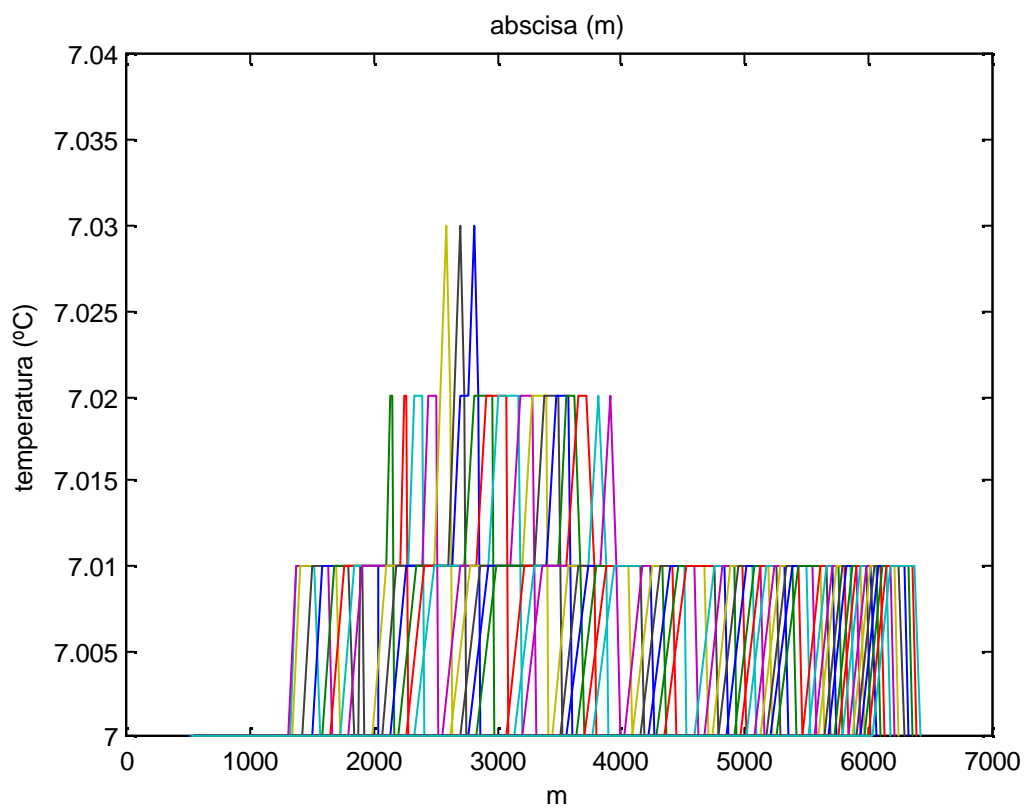
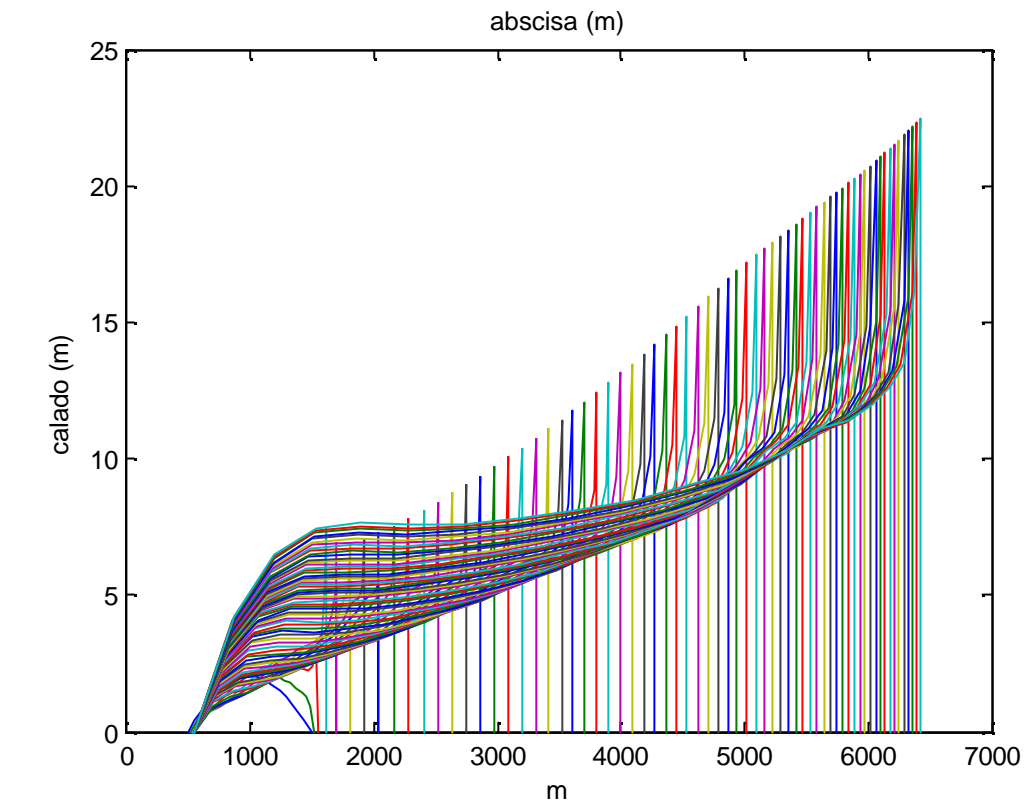
1.5 Variación de la temperatura ambiente manteniendo fijo el resto de parámetros. Resultados de calados, temperatura y erosión:

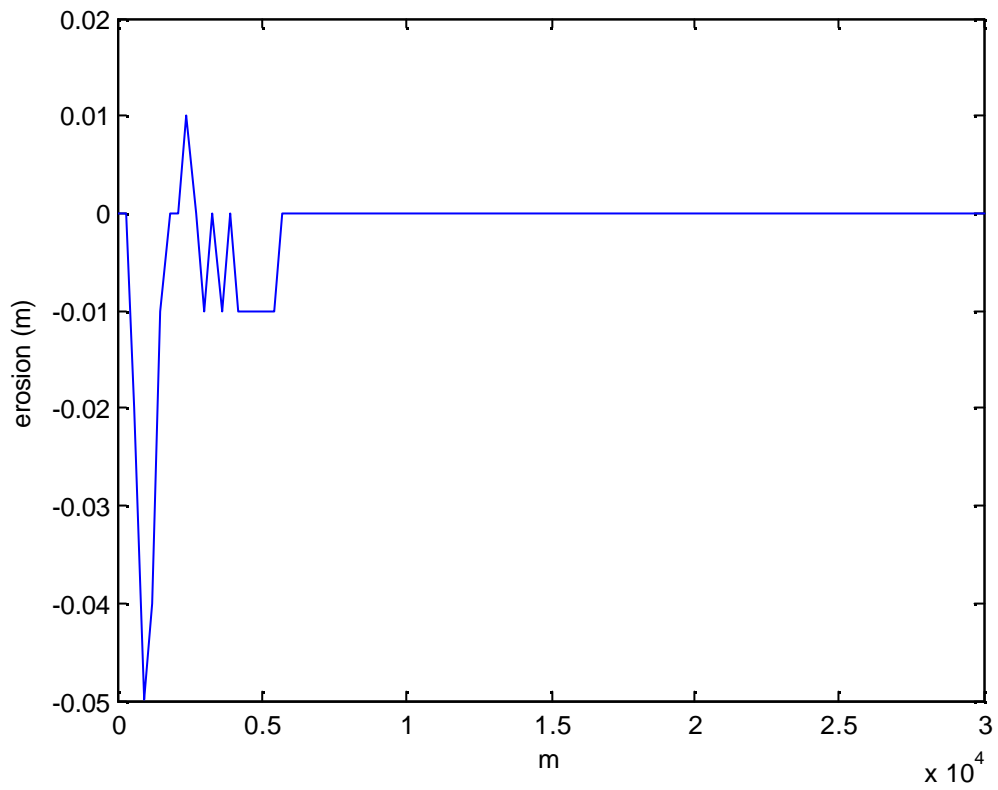
Temperatura ambiente de 5,0 °C:



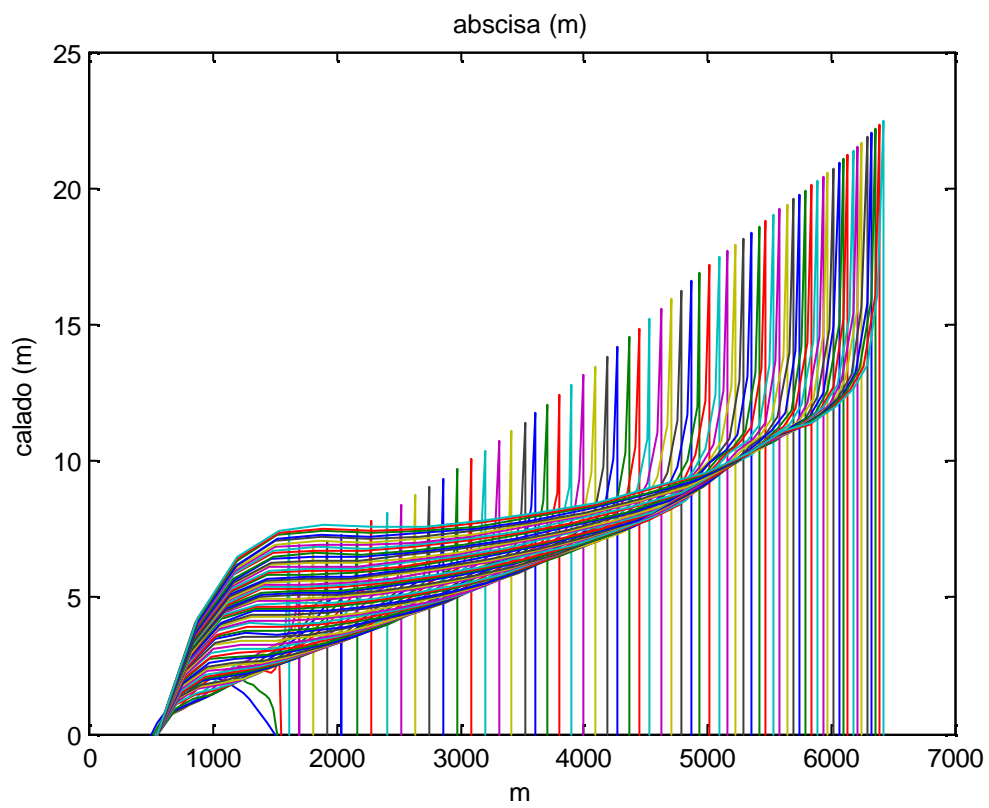


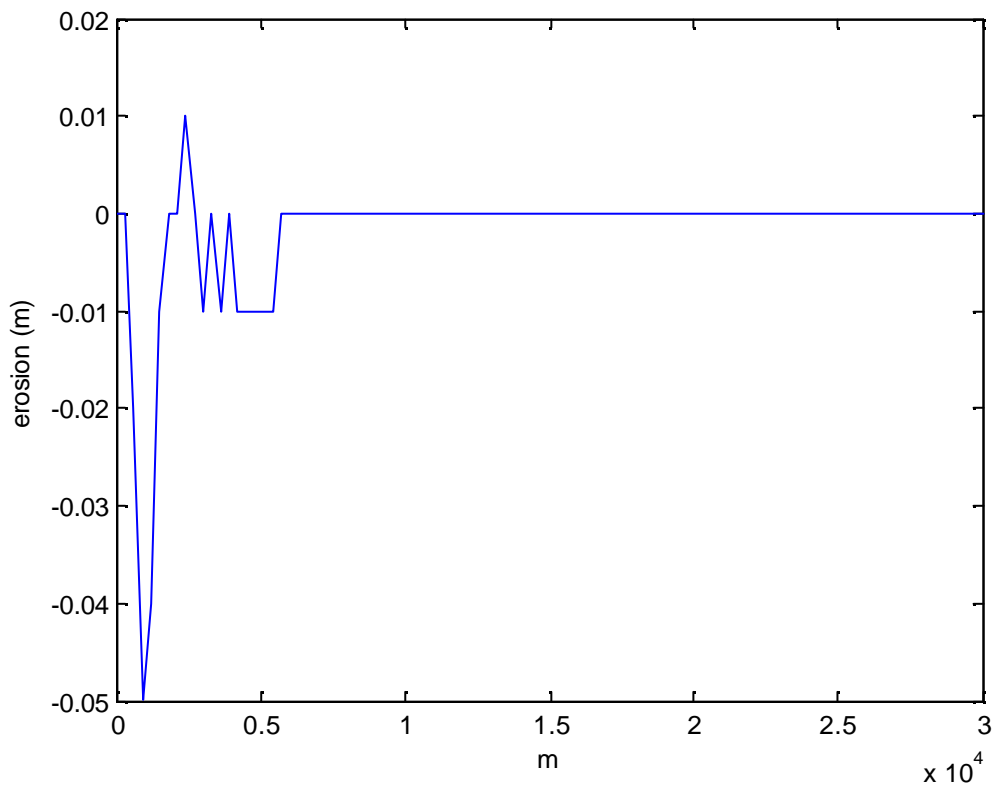
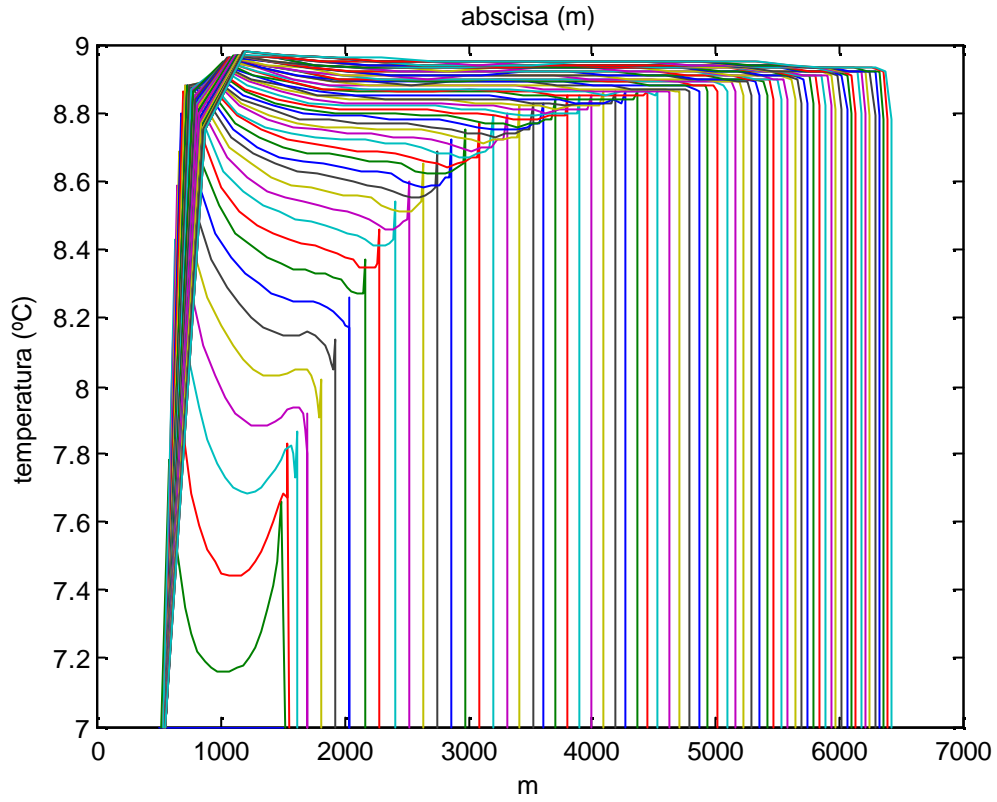
Temperatura ambiente de 7,0 °C:



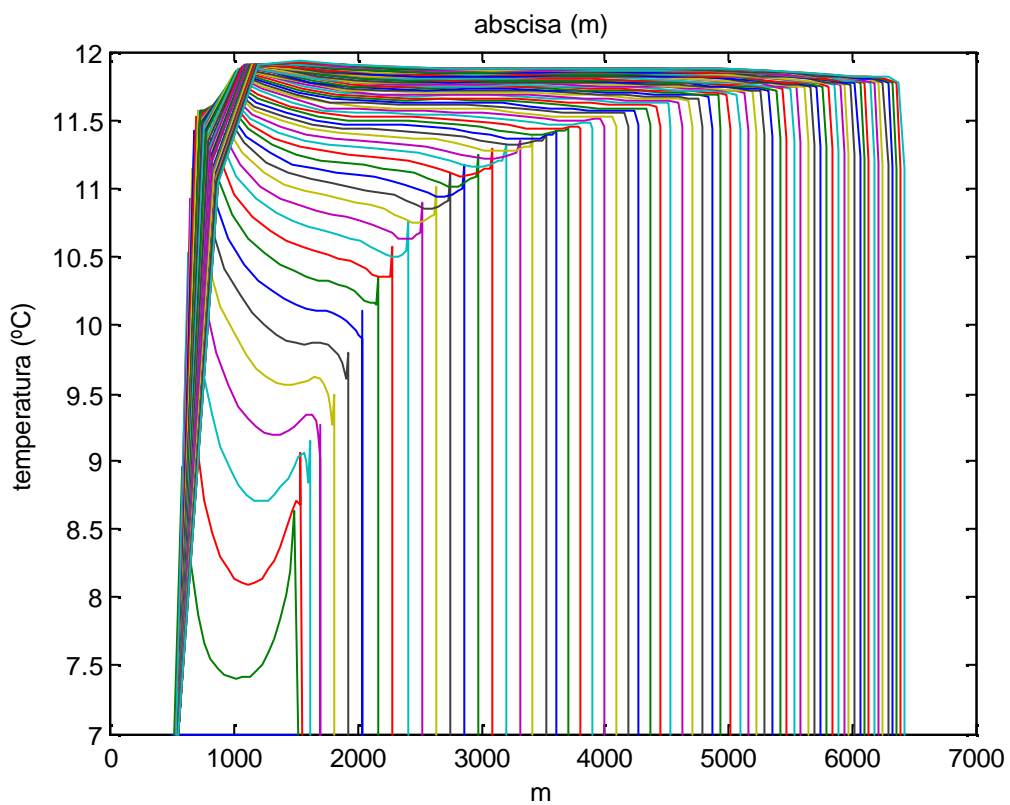
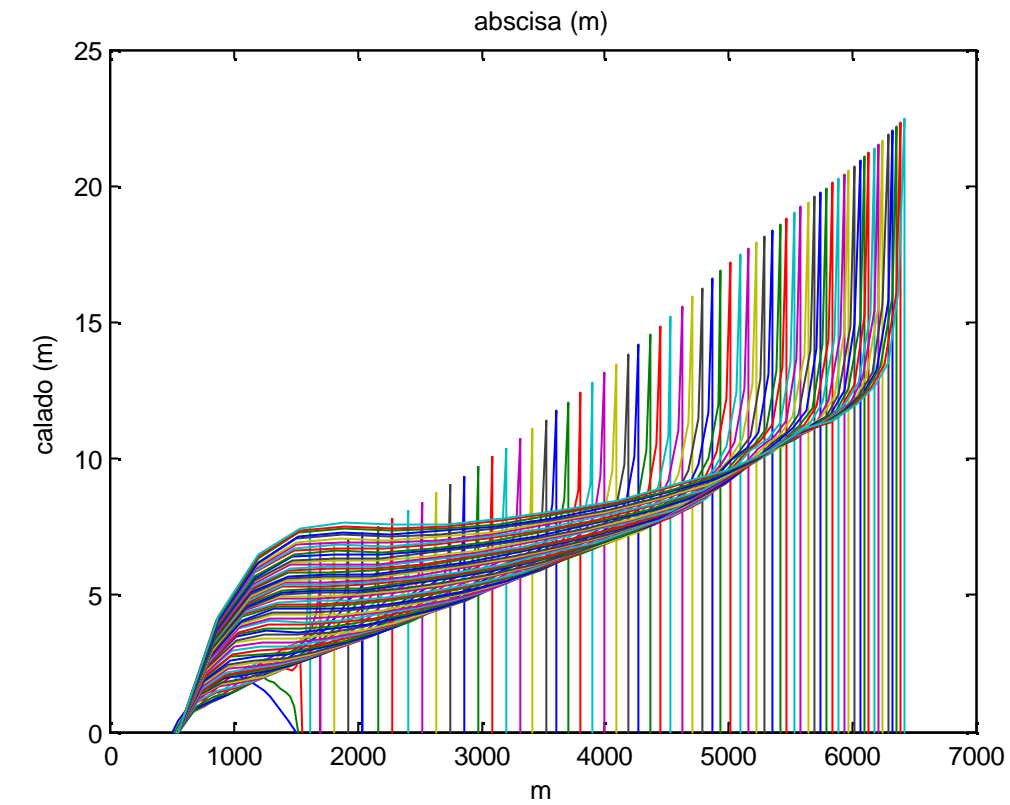


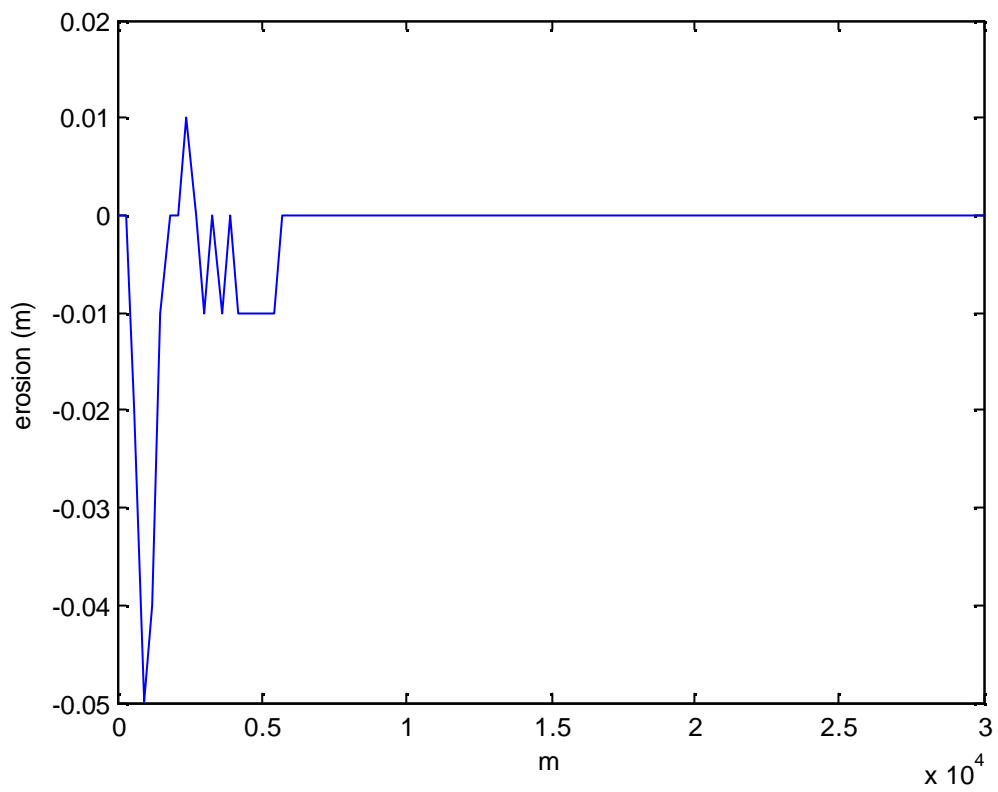
Temperatura ambiente de 9,0 °C:



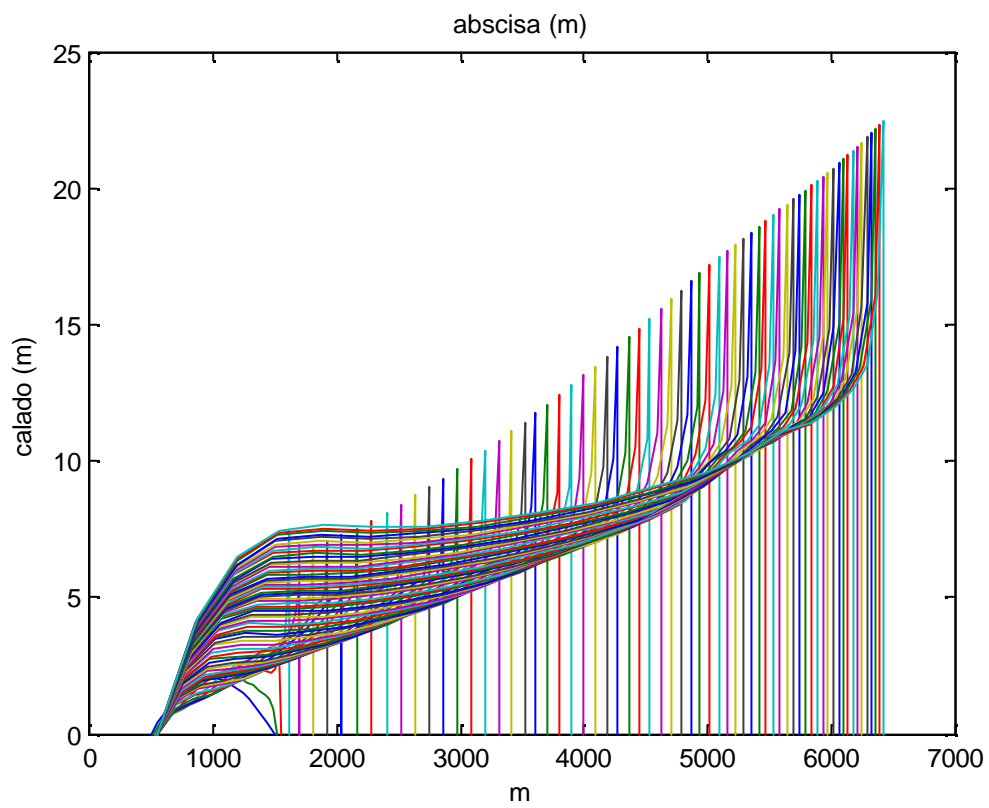


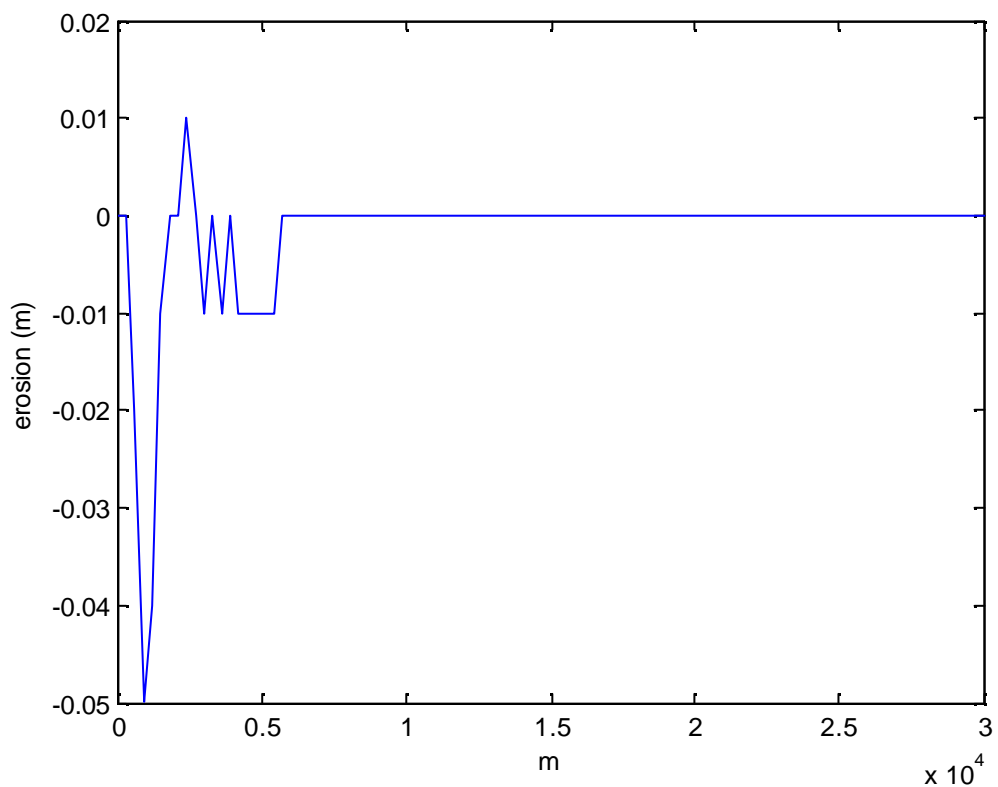
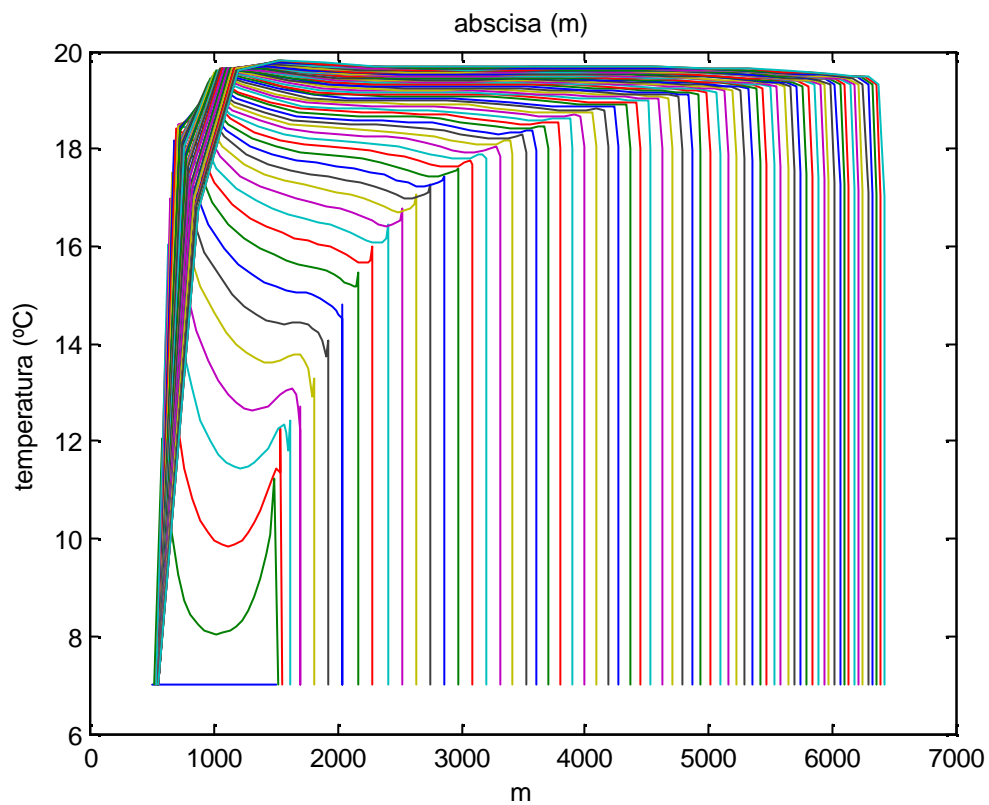
Temperatura ambiente de 12 °C:





Temperatura ambiente de 20 °C:

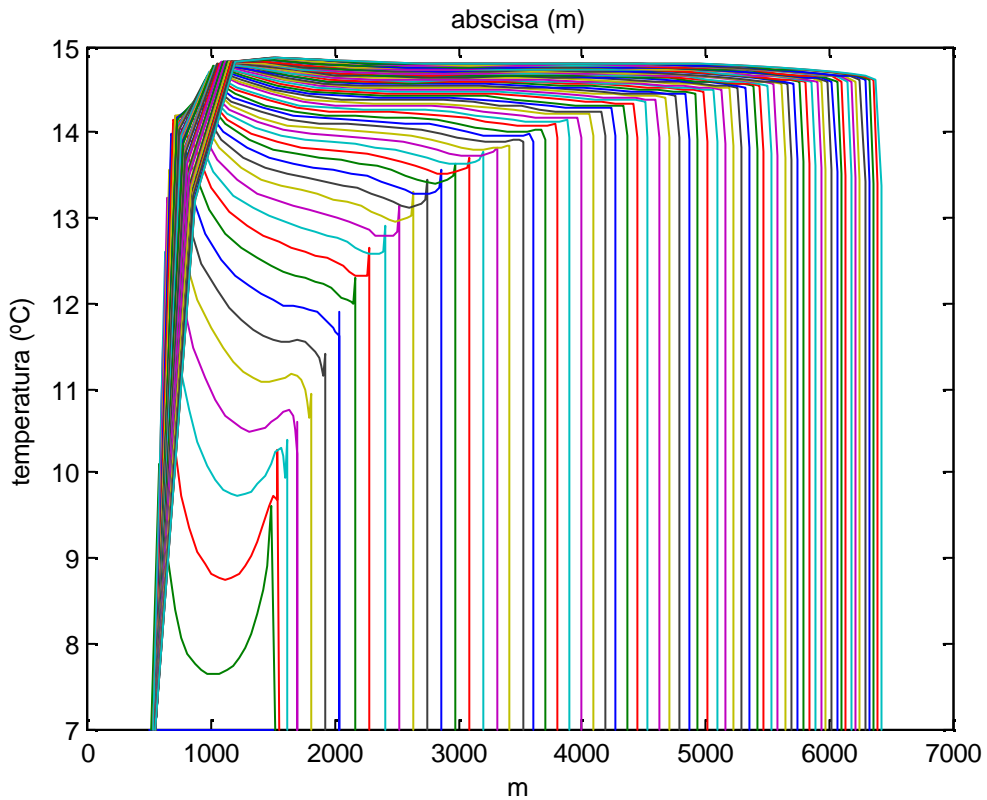
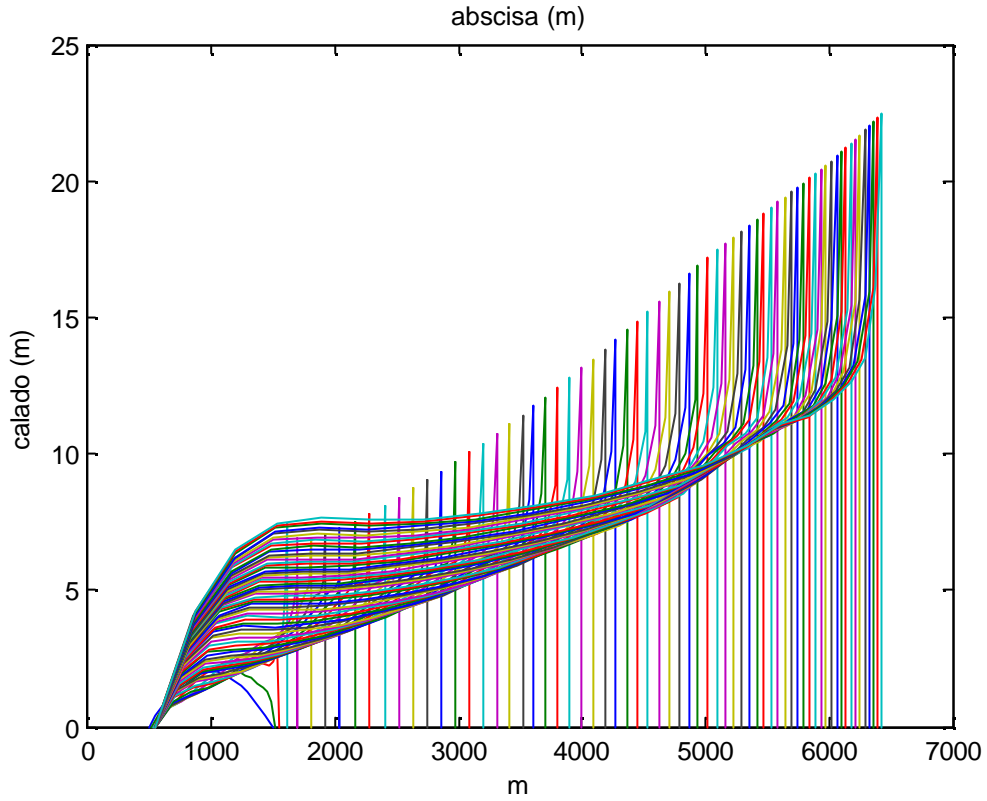


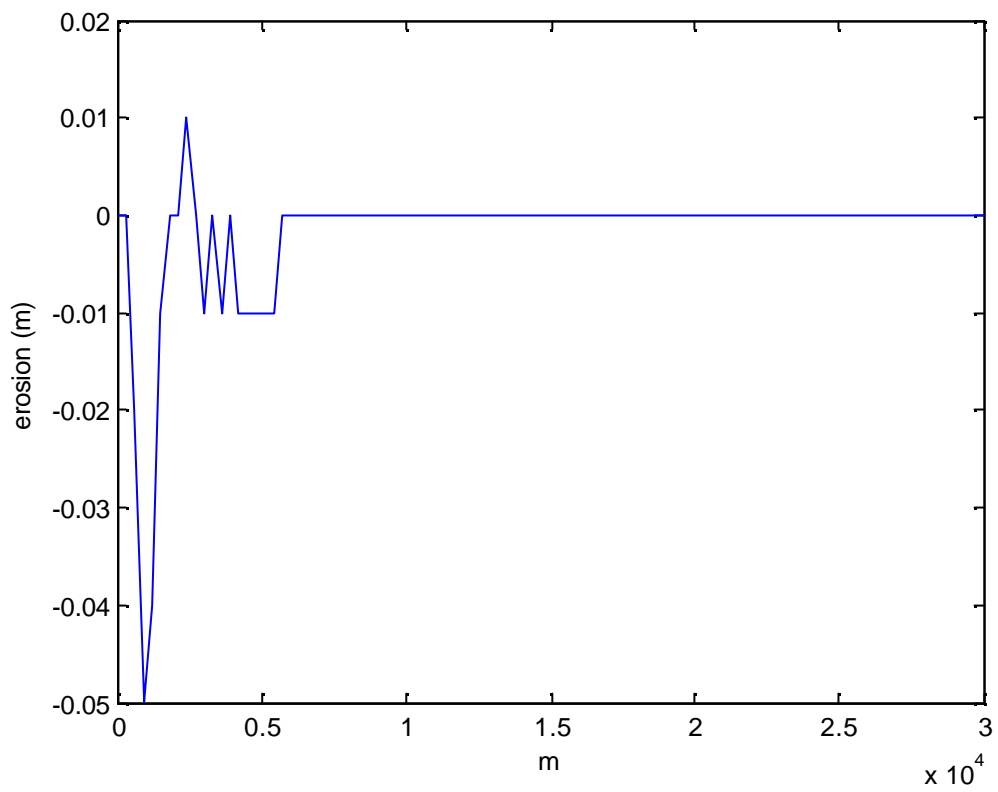


1.6 Variación de la temperatura del sedimento manteniendo fijos el resto de parámetros.

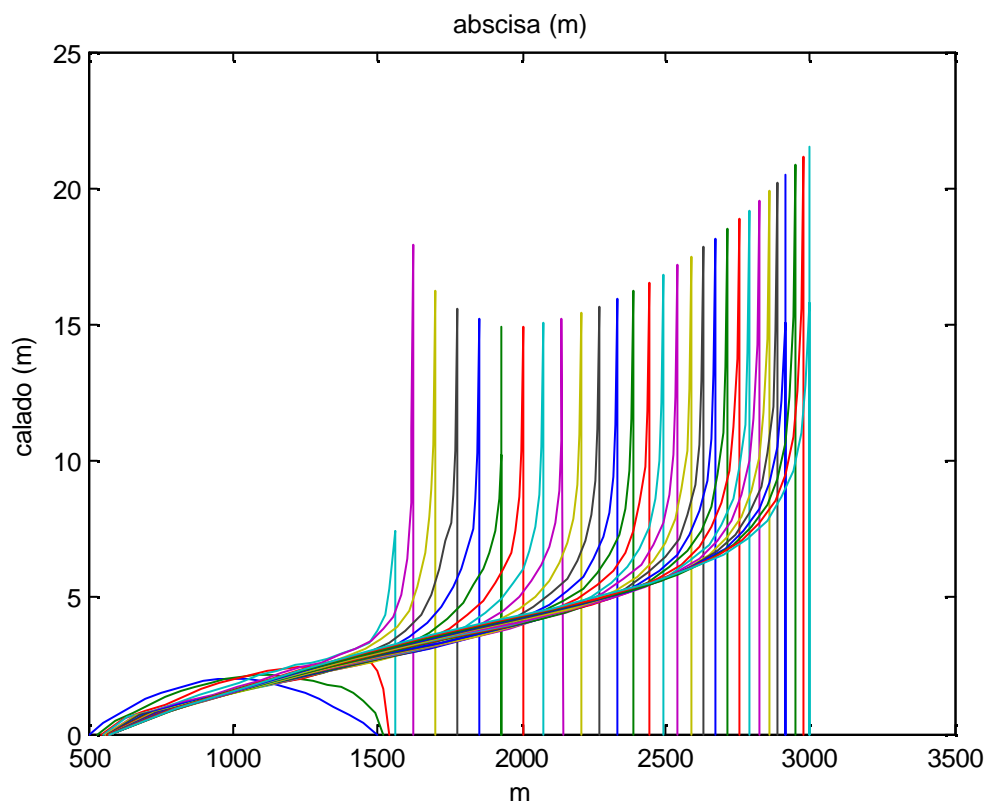
Resultados de calado, temperatura y erosión. En previsión de la poca influencia de este parámetro se han adoptado algunos valores absurdos a modo de curiosidad, para ver el orden de magnitud a partir del cual afectaría al comportamiento de la corriente.

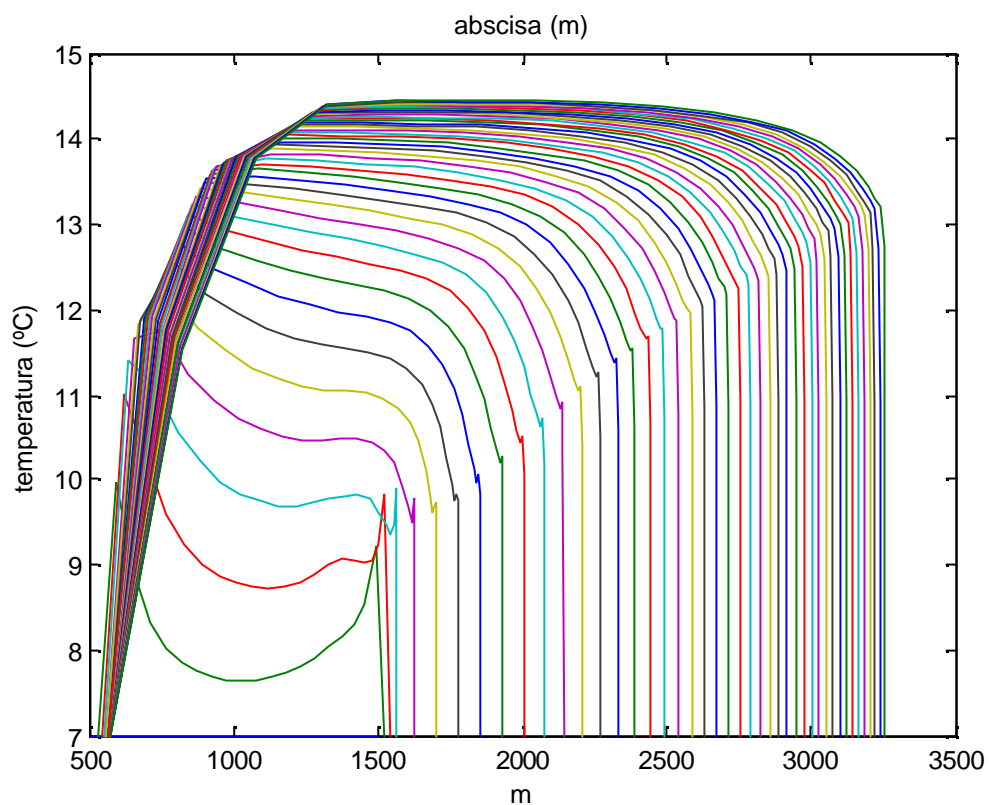
Temperatura de sedimento de 0,0 °C:



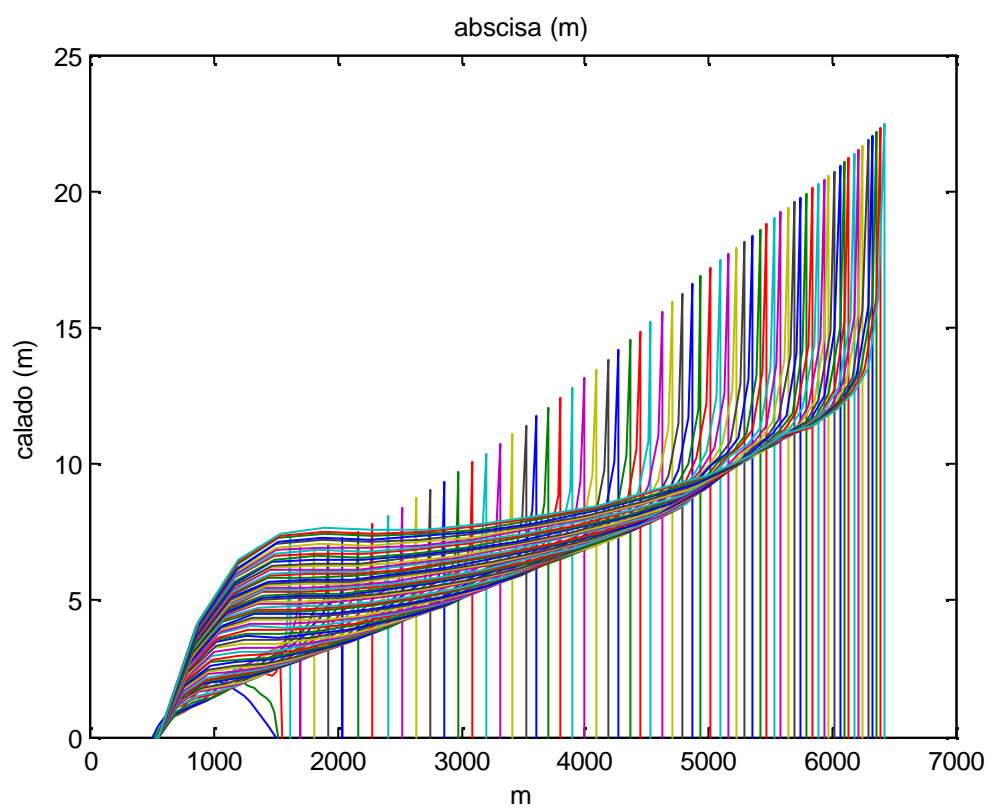


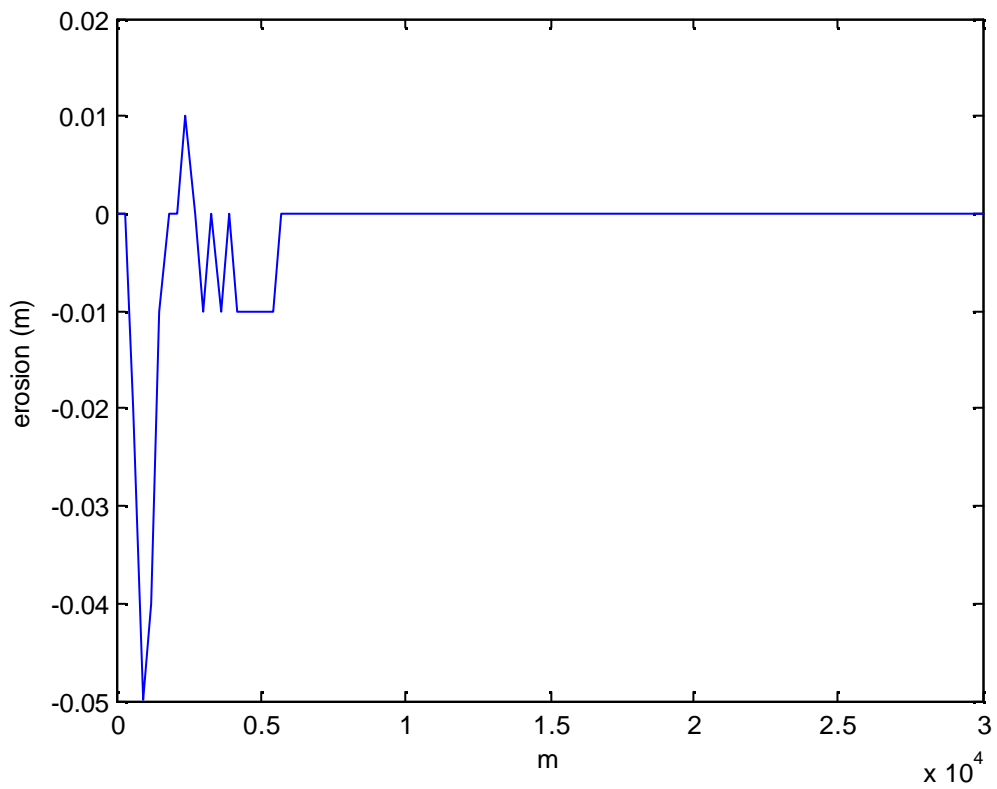
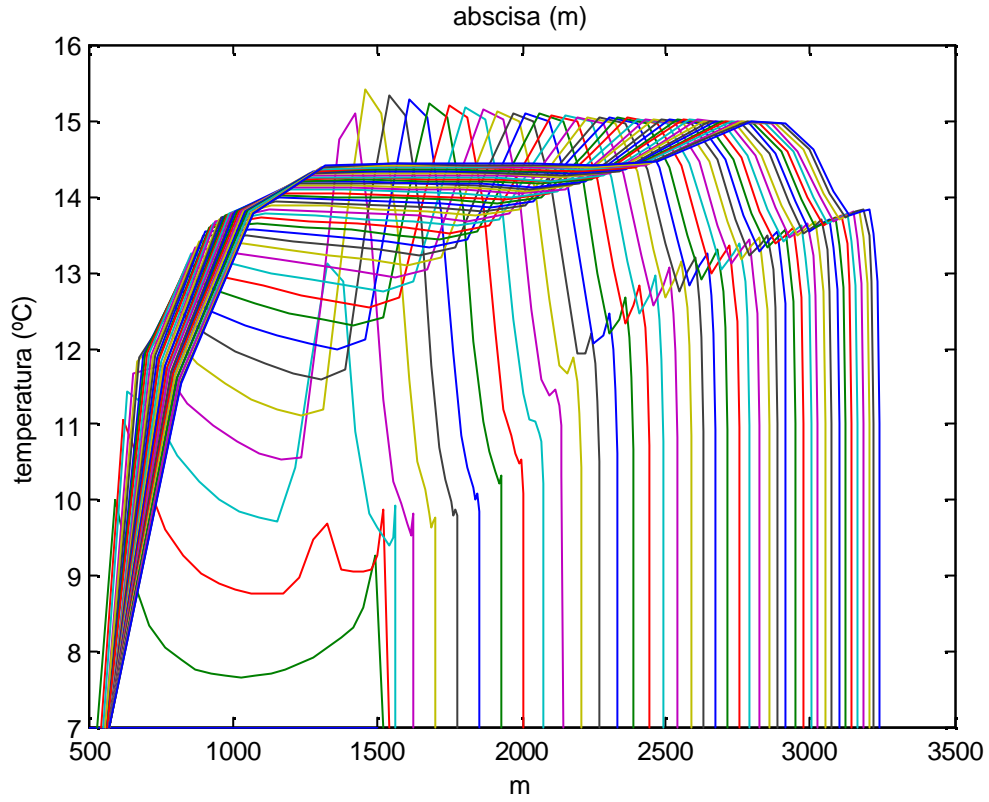
Temperatura del sedimento de 100 °C:





Temperatura del sedimento de 10000 °C:





Temperatura del sedimento de 10000000 °C (!):

