

# BASE LINE USER REPORT

BASE LINE DESIGNATION:			
INSTRUMENT OWNER:			
CREW:			
COUNTY:			
DATE:			
WEATHER:			
INSTRUMENT:			
MAKE:			
MODEL:			
SERIAL NUMBER:			
STANDARD DEVIATION:	mm	ppm	
REFLECTOR:			
MAKE:			
MODEL:			
CONSTANT:			

## MARK TO MARK

Instrument Station						
Reflector Station						
Temperature (°c)						
Pressure (mbars)						
PPM						
Height of Instrument (1)						
Height of Reflector (1)						
DH=HI-HS						
Measured Distance (Five Readings)						
1						
2						
3						
4						
5						
Average Measured Distance						
Measured Distance in Feet (2)						
Observed Mark to Mark Distance						
NGS Mark to Mark Distance						
Difference						
2 x Standard Deviation						

**NOTES:**

- (1) Make all measurements including HI and HS in meters except for one slope distance in feet.
- (2) This distance is for a check only and should not be used to reduce the measured distance from mark to mark.

**Return copy to:** Montana Department of Transportation, 2701 Prospect, Helena, MT 59620  
**Attn:** Photogrammetry and Survey Section