



Station Designation: **44 SHA 41.76**

General Location: **SHA 44 AT VIOLA**

4 Character ID: **2HM2** UTC Date: **09/20/2004**

Station PID: Station Serial No.: **2077** UTC Julian Day: **264**

Session ID: **B**

Project Name: **Caltrans North Region Height Modernization Survey** Project No.: **GPS1988**

NAD83 Latitude: **N 40-31-02.2** NAD83 Longitude: **W 121-42-09** NAD83 Ellipsoid Height:

UTC Session Times: LOCAL (-7hr) Epoch Interval 15 Sec. NAVD88 Orthometric Height:

Sch. Start 1800 Stop 1900 Sch. Start 1100 Stop 1200 Elevation Mask 15 Deg. GEOID03 Geoid Height:

Actual Start 1755 Stop 1903 Actual Start 1055 Stop 1203

Agency Name: **Caltrans (CA. DOT)** Agency Code: **CADT**

Operator Name: **HOWARD BREAZEALE**  
For information contact Don Campbell at (707) 445-6343 or Don\_Campbell@dot.ca.gov

Receiver Brand and Model: **Trimble 5700** Antenna Code, Brand and Model: **Trimble Zephyr Geodetic**

P/N: 40406-46 P/N: 41249-00  
S/N: 0440100989 S/N: 11909466  
Firmware Version: 2.01 Cable Length:  3 m  5 m  10 m  Other (specify):

Equipment Package ID: **D2-01**

Antenna plumb before session?  Y/N  
Antenna plumb after session?  Y/N  
Antenna oriented to magnetic north?  Y/N

Tripod or Antenna Mount (check one):  
 Fixed Height Tripod  Collapsible Tripod  
Brand and Model: **SECO 1.8m**

P/N: 5117-00-YEL  
S/N: D2-01

ANTENNA HEIGHT	Begin Session	End Session
A = Datum point to top of tripod	1.800	1.800
B = Additional offset to ARP if any		
H = Antenna Height = A + B = Datum Point to Antenna Reference Point (ARP)	1.800	1.800

Note and/or sketch ANY unusual conditions.  
Be VERY EXPLICIT as to where and how measured!

Data File Name(s): **09892461-T01**  
**2HM2264.2HM2264B.dat**  
(Standard NGS Format = aaaadddd.xxx)  
where aaaa = 4 character ID, ddd = UTC Julian Day, s = Session ID, xxx = file dependent extension

Updated station description:  Attached  Completed earlier  
Visibility obstruction diagram:  Attached  Completed earlier  
Photographs of station:  Attached  Completed earlier  
Station rubbing:  Attached

5 Digit Weather Code

Start of Session: **00011** Middle of Session: **00011** End of Session: **00021**

Code	PROBLEM	VISIBILITY	TEMPERATURE	CLOUD COVER	WIND
0	No Problems	Good, over 15 miles	Normal, 32° F to 80° F	Clear, below 20%	Calm, under 5 mph
1	Problems	Fair, 7 to 15 miles	Hot, over 80° F	Cloudy, 20% to 70%	Moderate, 5 to 15 mph
2	- Not Used -	Poor, Under 7 miles	Cold, below 32° F	Overcast, over 70%	Strong, over 15 mph

Notes, comments, remarks:

