

The NGS Data Sheet

See file [dsdata.txt](#) for more information about the datasheet.

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DATABASE = NGSIDB , PROGRAM = datasheet95, VERSION = 7.88.3
1      National Geodetic Survey,  Retrieval Date = JUNE  8, 2012
HV8986 *****
HV8986 DESIGNATION - S004
HV8986 PID - HV8986
HV8986 STATE/COUNTY- VA/SPOTSYLVANIA
HV8986 COUNTRY - US
HV8986 USGS QUAD - BROKENBURG (1981)
HV8986
HV8986 *CURRENT SURVEY CONTROL
HV8986
HV8986* NAD 83(2007) POSITION- 38 14 07.93373(N) 077 38 53.52072(W) ADJUSTED
HV8986* NAD 83(2007) ELLIP HT- 62.201 (meters) (02/10/07) ADJUSTED
HV8986* NAD 83(2007) EPOCH - 2002.00
HV8986* NAVD 88 ORTHO HEIGHT - 94.6 (meters) 310. (feet) VERTCON
HV8986
HV8986 NAD 83(2007) X - 1,073,063.430 (meters) COMP
HV8986 NAD 83(2007) Y - -4,900,224.499 (meters) COMP
HV8986 NAD 83(2007) Z - 3,926,051.326 (meters) COMP
HV8986 LAPLACE CORR - -1.37 (seconds) DEFLEC09
HV8986 GEOID HEIGHT - -32.38 (meters) GEOID09
HV8986
HV8986 FGDC Geospatial Positioning Accuracy Standards (95% confidence, cm)
HV8986 Type Horiz Ellip Dist(km)
HV8986 -----
HV8986 NETWORK 1.25 3.14
HV8986 -----
HV8986 MEDIAN LOCAL ACCURACY AND DIST (003 points) 0.86 2.23 2.51
HV8986 -----
HV8986 NOTE: Click here for information on individual local accuracy
HV8986 values and other accuracy information.
HV8986
HV8986
HV8986.The horizontal coordinates were established by GPS observations
HV8986.and adjusted by the National Geodetic Survey in February 2007.
HV8986
HV8986.The datum tag of NAD 83(2007) is equivalent to NAD 83(NSRS2007).
HV8986.See www.ngs.noaa.gov/web/surveys/NSRS2007 for more information.
HV8986
HV8986.The horizontal coordinates are valid at the epoch date displayed above
HV8986.which is a decimal equivalence of Year/Month/Day.
HV8986
HV8986.The NAVD 88 height was computed by applying the VERTCON shift value to
HV8986.the NGVD 29 height (displayed under SUPERSEDED SURVEY CONTROL.)
HV8986
HV8986.The X, Y, and Z were computed from the position and the ellipsoidal ht.
HV8986
HV8986.The Laplace correction was computed from DEFLEC09 derived deflections.
HV8986
HV8986.The ellipsoidal height was determined by GPS observations
HV8986.and is referenced to NAD 83.

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HV8986

HV8986. The following values were computed from the NAD 83(2007) position.

HV8986

HV8986;	North	East	Units	Scale Factor	Converg.
HV8986;SPC VA N	- 2,063,489.296	3,574,572.476	MT	0.99997047	+0 31 53.8
HV8986;SPC VA N	- 6,769,964.47	11,727,576.53	sFT	0.99997047	+0 31 53.8
HV8986;UTM 18	- 4,235,265.255	268,221.216	MT	1.00026166	-1 38 22.9

HV8986

HV8986!	Elev Factor	x	Scale Factor	=	Combined Factor
HV8986!SPC VA N	- 0.99999024	x	0.99997047	=	0.99996071
HV8986!UTM 18	- 0.99999024	x	1.00026166	=	1.00025190

HV8986

HV8986 SUPERSEDED SURVEY CONTROL

HV8986

HV8986	ELLIP H (06/04/02)	62.166 (m)		GP()	4 2
HV8986	NAD 83(1993)-	38 14 07.93550(N)	077 38 53.52089(W)	AD()	2
HV8986	ELLIP H (11/14/94)	62.262 (m)		GP()	4 2
HV8986	NAD 83(1986)-	38 14 07.93809(N)	077 38 53.53485(W)	AD()	2
HV8986	NGVD 29 (09/18/91)	94.9 (m)	UNKNOWN model used	GPS OBS	

HV8986

HV8986.Superseded values are not recommended for survey control.

HV8986.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.

HV8986.[See file dsdata.txt](#) to determine how the superseded data were derived.

HV8986

HV8986_U.S. NATIONAL GRID SPATIAL ADDRESS: 18STH6822135265(NAD 83)

HV8986

HV8986_MARKER: DD = SURVEY DISK

HV8986_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT

HV8986_SP_SET: CONCRETE POST

HV8986_STAMPING: S004 GPS

HV8986_MARK LOGO: HOBBS

HV8986_MAGNETIC: R = STEEL ROD IMBEDDED IN MONUMENT

HV8986_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO

HV8986+STABILITY: SURFACE MOTION

HV8986_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR

HV8986+SATELLITE: SATELLITE OBSERVATIONS - September 13, 2000

HV8986

HV8986	HISTORY	- Date	Condition	Report By
HV8986	HISTORY	- 1989	MONUMENTED	HOBBS
HV8986	HISTORY	- 19990407	MARK NOT FOUND	USPSQD
HV8986	HISTORY	- 20000913	GOOD	GEOMET

HV8986

HV8986 STATION DESCRIPTION

HV8986

HV8986'DESCRIBED BY HOBBS AND ASSOCIATES 1989

HV8986'STATION IS LOCATED IN SPOTSYLVINA COUNTY, VIRGINIA, APPROXIMATELY 8.85

HV8986'KM (5.50 MI) SOUTH OF CHANCELLORSVILLE AND 15.29 KM (9.50 MI)

HV8986'SOUTHWEST OF FREDERICKSBURG.

HV8986'TO REACH THE STATION FROM THE INTERSECTION OF STATE ROAD 612 AND STATE

HV8986'ROAD 613, PROCEED SOUTH ON STATE ROAD 613 FOR 1.93 KM (1.20 MI) TO

HV8986'THE STATION LOCATED IN THE WEST RIGHT-OF-WAY OF THE ROAD.

HV8986'MARK IS 5.6 M (18.37 FT) S54W OF THE CENTERLINE OF STATE ROAD 613,

HV8986'N07W OF UTILITY POLE NO.410, 52.3 M (171.59 FT) S55E OF THE

HV8986'CENTERLINE OF THE ENTRANCE DRIVE TO THE BAYBERRY RIDING CENTER, AND

HV8986'2.4 M (7.87 FT) NORTH OF THE EDGE OF THE PAVEMENT.

HV8986'TO REACH THE AZIMUTH MARK FROM THE GPS STATION, PROCEED NORTH ON STATE

HV8986'ROAD 613 FOR 0.32 KM (0.20 MI) TO THE MARK LOCATED IN THE EAST

HV8986'RIGHT-OF-WAY OF THE ROAD. MARK IS 4.11 M (13.48 FT) N50E OF THE

HV8986'CENTERLINE OF STATE ROAD 613 AND 9.35 M (30.68 FT) N32E OF A 45 MPH

HV8986'ROAD MARKER SIGN. THE AZIMUTH MARK IS A BRASS CAP SET IN CONCRETE

HV8986'MONUMENT FLUSH WITH GROUND AND IS STAMPED AZ S004.
 HV8986
 HV8986 STATION RECOVERY (1999)
 HV8986
 HV8986'RECOVERY NOTE BY US POWER SQUADRON 1999
 HV8986'MARK NOT FOUND.
 HV8986
 HV8986 STATION RECOVERY (2000)
 HV8986
 HV8986'RECOVERY NOTE BY GEOMETRICS GPS INCORPORATED 2000 (CCG)
 HV8986'RECOVERED AS DESCRIBED. MARK IS 2 INCHES BELOW THE GROUND.
 1 National Geodetic Survey, Retrieval Date = JUNE 8, 2012
 HV8987 *****
 HV8987 DESIGNATION - S004 RM
 HV8987 PID - HV8987
 HV8987 STATE/COUNTY- VA/SPOTSYLVANIA
 HV8987 COUNTRY - US
 HV8987 USGS QUAD - BROKENBURG (1981)
 HV8987
 HV8987 *CURRENT SURVEY CONTROL
 HV8987
 HV8987* NAD 83(1993) POSITION- 38 14 16.35141(N) 077 39 03.52050(W) ADJUSTED
 HV8987* [NAVD 88](#) ORTHO HEIGHT - 88. (meters) 289. (feet) SCALED
 HV8987
 HV8987 LAPLACE CORR - -1.39 (seconds) DEFLEC09
 HV8987 GEOID HEIGHT - -32.37 (meters) GEOID09
 HV8987 HORZ ORDER - SECOND
 HV8987
 HV8987.The horizontal coordinates were established by classical geodetic methods
 HV8987.and adjusted by the National Geodetic Survey in November 1994.
 HV8987.
 HV8987.The orthometric height was scaled from a topographic map.
 HV8987
 HV8987.The Laplace correction was computed from DEFLEC09 derived deflections.
 HV8987
 HV8987. The following values were computed from the NAD 83(1993) position.
 HV8987
 HV8987;

	North	East	Units	Scale Factor	Converg.
HV8987;SPC VA N	- 2,063,746.572	3,574,326.902	MT	0.99997020	+0 31 47.6
HV8987;SPC VA N	- 6,770,808.54	11,726,770.84	sFT	0.99997020	+0 31 47.6
HV8987;UTM 18	- 4,235,531.728	267,985.497	MT	1.00026301	-1 38 29.4

 HV8987
 HV8987!

	Elev Factor	x	Scale Factor	=	Combined Factor
HV8987!SPC VA N	- 0.99999122	x	0.99997020	=	0.99996142
HV8987!UTM 18	- 0.99999122	x	1.00026301	=	1.00025423

 HV8987
 HV8987
 HV8987 SUPERSEDED SURVEY CONTROL
 HV8987
 HV8987 NAD 83(1986)- 38 14 16.35405(N) 077 39 03.53439(W) AD() 2
 HV8987
 HV8987.Superseded values are not recommended for survey control.
 HV8987.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.
 HV8987.[See file dsdata.txt](#) to determine how the superseded data were derived.
 HV8987
 HV8987_U.S. NATIONAL GRID SPATIAL ADDRESS: 18STH6798535531(NAD 83)
 HV8987
 HV8987_MARKER: DD = SURVEY DISK
 HV8987_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT
 HV8987_SP_SET: CONCRETE POST
 HV8987_STAMPING: AZ S004

HV8987_MARK LOGO: HOBBS

HV8987_MAGNETIC: R = STEEL ROD IMBEDDED IN MONUMENT

HV8987_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO

HV8987+STABILITY: SURFACE MOTION

HV8987_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR

HV8987+SATELLITE: SATELLITE OBSERVATIONS - September 13, 2000

HV8987

HV8987	HISTORY	- Date	Condition	Report By
HV8987	HISTORY	- 1989	MONUMENTED	HOBBS
HV8987	HISTORY	- 19981125	MARK NOT FOUND	USPSQD
HV8987	HISTORY	- 20000913	GOOD	GEOMET

HV8987

HV8987

HV8987

STATION DESCRIPTION

HV8987'DESCRIBED BY HOBBS AND ASSOCIATES 1989

HV8987'REFERENCE MARK IS LOCATED IN SPOTSYLVANIA COUNTY, VIRGINIA ABOUT 5.5

HV8987'MI (8.85 KM) SOUTH OF CHANCELLORSVILLE AND 9.5 MI (15.29 KM)

HV8987'SOUTHWEST OF FREDERICKSBURG. REFERENCE MARK SERVES AS AN AZIMUTH MARK

HV8987'FOR GPS STATION S004.

HV8987'TO REACH THE MARK FROM GPS STATION S004, GO NORTH ON STATE ROAD 613

HV8987'FOR 0.20 MI (0.32 KM) TO THE MARK LOCATED IN THE EAST RIGHT-OF-WAY OF

HV8987'ROAD. MARK IS 13.5 FT (4.11 M) NORTHEAST OF CENTERLINE OF STATE ROAD

HV8987'613 AND 30.7 FT (9.36 M) NORTHEAST OF A 45-MPH SPEED LIMIT SIGN.

HV8987'MARK IS A BRASS DISK SET IN A CONCRETE MONUMENT FLUSH WITH GROUND AND

HV8987'IS STAMPED---AZ S004.

HV8987

HV8987

HV8987

STATION RECOVERY (1998)

HV8987'RECOVERY NOTE BY US POWER SQUADRON 1998

HV8987'MARK NOT FOUND.

HV8987

HV8987

HV8987

STATION RECOVERY (2000)

HV8987'RECOVERY NOTE BY GEOMETRICS GPS INCORPORATED 2000 (CCG)

HV8987'RECOVERED AS DESCRIBED. MARK IS 6 INCHES BELOW THE GROUND.

*** retrieval complete.

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