

# The NGS Data Sheet

See file dsdata.txt for more information about the datasheet.

DATABASE = , PROGRAM = datasheet, VERSION = 7.85  
 1 National Geodetic Survey, Retrieval Date = JULY 15, 2010  
 GD0114 \*\*\*\*\*  
 GD0114 CBN - ~~This is~~ a Cooperative Base Network Control Station.  
 GD0114 DESIGNATION X 128  
 GD0114 PID - GD0114  
 GD0114 STATE/COUNTY- KY/CALLOWAY  
 GD0114 USGS QUAD - NEW CONCORD (1987)  
 GD0114  
 GD0114 \*CURRENT SURVEY CONTROL  
 GD0114  
 GD0114\* NAD 83(2007)- 36 36 17.38567(N) 088 09 09.91360(W) ADJUSTED  
 GD0114\* NAVD 88 - 122.050 (meters) 400.43 (feet) ADJUSTED  
 GD0114  
 GD0114 EPOCH DATE - 2002.00  
 GD0114 X - 165,247.240 (meters) COMP  
 GD0114 Y - -5,123,674.675 (meters) COMP  
 GD0114 Z - 3,782,334.925 (meters) COMP  
 GD0114 LAPLACE CORR- -1.17 (seconds) DEFLEC09  
 GD0114 ELLIP HEIGHT- 93.203 (meters) (02/10/07) ADJUSTED  
 GD0114 GEOID HEIGHT- -28.85 (meters) GEOID09  
 GD0114 DYNAMIC HT - 121.952 (meters) 400.10 (feet) COMP  
 GD0114  
 GD0114 ----- Accuracy Estimates (at 95% Confidence Level in cm) -----  
 GD0114 Type PID Designation North East Ellip  
 GD0114  
 GD0114 NETWORK GD0114 X 128 0.55 0.47 1.43  
 GD0114 -----  
 GD0114 MODELED GRAV- 979,828.4 (mgal) NAVD 88  
 GD0114  
 GD0114 VERT ORDER - FIRST CLASS II  
 GD0114  
 GD0114.The horizontal coordinates were established by GPS observations  
 GD0114.and adjusted by the National Geodetic Survey in February 2007.  
 GD0114  
 GD0114.The datum tag of NAD 83(2007) is equivalent to NAD 83(NSRS2007).  
 GD0114.See National Readjustment for more information.  
 GD0114.The horizontal coordinates are valid at the epoch date displayed above.  
 GD0114.The epoch date for horizontal control is a decimal equivalence  
 GD0114.of Year/Month/Day.  
 GD0114  
 GD0114.The orthometric height was determined by differential leveling and  
 GD0114.adjusted in June 1991.  
 GD0114  
 GD0114.The X, Y, and Z were computed from the position and the ellipsoidal ht.  
 GD0114  
 GD0114.The Laplace correction was computed from DEFLEC09 derived deflections.  
 GD0114  
 GD0114.The ellipsoidal height was determined by GPS observations  
 GD0114.and is referenced to NAD 83.  
 GD0114  
 GD0114.The geoid height was determined by GEOID09.  
 GD0114

GD0114.The dynamic height is computed by dividing the NAVD 88  
 GD0114.geopotential number by the normal gravity value computed on the  
 GD0114.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45  
 GD0114.degrees latitude (g = 980.6199 gals.).

GD0114  
 GD0114.The modeled gravity was interpolated from observed gravity values.  
 GD0114

GD0114;	North	East	Units	Scale	Factor	Converg.
GD0114;SPC KY1Z	- 1,032,901.193	1,285,016.943	MT	1.00014880	-1 28	30.7
GD0114;SPC KY1Z	- 3,388,776.66	4,215,926.42	sFT	1.00014880	-1 28	30.7
GD0114;SPC KY S	- 532,862.689	285,042.805	MT	1.00002581	-1 27	25.8
GD0114;SPC KY S	- 1,748,233.67	935,177.94	sFT	1.00002581	-1 27	25.8
GD0114;UTM 16	- 4,051,654.748	396,902.134	MT	0.99973095	-0 41	14.8
GD0114!	- Elev Factor	x Scale Factor	=	Combined Factor		
GD0114!SPC KY1Z	- 0.99998537	x 1.00014880	=	1.00013417		
GD0114!SPC KY S	- 0.99998537	x 1.00002581	=	1.00001118		
GD0114!UTM 16	- 0.99998537	x 0.99973095	=	0.99971633		

SUPERSEDED SURVEY CONTROL

GD0114	ELLIP H (11/03/04)	93.196 (m)	GP( )	3 1
GD0114	ELLIP H (08/03/04)	93.237 (m)	GP( )	4 1
GD0114	NAD 83(1993)-	36 36 17.38527(N)	088 09 09.91370(W)	AD( ) B
GD0114	ELLIP H (09/07/94)	93.250 (m)	GP( )	4 1
GD0114	NAD 83(1986)-	36 36 17.39091(N)	088 09 09.91821(W)	AD( ) 3
GD0114	NAVD 88 (09/07/94)	122.05 (m)	400.4 (f)	LEVELING 3
GD0114	NGVD 29 (??/??/??)	122.100 (m)	400.59 (f)	ADJUSTED 1 2

GD0114.Superseded values are not recommended for survey control.  
 GD0114.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.  
 GD0114.See file dsdata.txt to determine how the superseded data were derived.

GD0114\_U.S. NATIONAL GRID SPATIAL ADDRESS: 16SCF9690251654(NAD 83)  
 GD0114\_MARKER: DB = BENCH MARK DISK  
 GD0114\_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT  
 GD0114\_SP\_SET: CONCRETE POST  
 GD0114\_STAMPING: X 128 1947  
 GD0114\_MARK LOGO: CGS  
 GD0114\_MAGNETIC: N = NO MAGNETIC MATERIAL  
 GD0114\_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO  
 GD0114+STABILITY: SURFACE MOTION  
 GD0114\_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR  
 GD0114+SATELLITE: SATELLITE OBSERVATIONS - June 16, 2004

GD0114	HISTORY	- Date	Condition	Report By
GD0114	HISTORY	- 1947	MONUMENTED	CGS
GD0114	HISTORY	- 1971	GOOD	NGS
GD0114	HISTORY	- 19901224	GOOD	NGS
GD0114	HISTORY	- 19910130	GOOD	
GD0114	HISTORY	- 19931214	GOOD	NGS
GD0114	HISTORY	- 19940225	GOOD	
GD0114	HISTORY	- 20010820	GOOD	KYDT
GD0114	HISTORY	- 20010820	GOOD	KYDT
GD0114	HISTORY	- 20021219	GOOD	WOOLPT
GD0114	HISTORY	- 20031010	GOOD	TNDT
GD0114	HISTORY	- 20040616	GOOD	USACE

STATION DESCRIPTION

GD0114'DESCRIBED BY COAST AND GEODETIC SURVEY 1947  
 GD0114'2.6 MI SE FROM POTTERTOWN.

GD0114'ABOUT 1.1 MILES SOUTHEAST ALONG STATE HIGHWAY 280 FROM THE SCHOOL  
 GD0114'AT POTTERTOWN, THENCE 1.45 MILES SOUTHEAST ALONG THE T.V.A. ROAD  
 GD0114'LEADING TO NEW CONCORD, ABOUT 0.9 MILE SOUTHEAST OF ELLIOTTS  
 GD0114'GENERAL STORE, 157 FEET NORTH ACROSS THE ROAD FROM THE NORTHEAST  
 GD0114'CORNER OF A SMALL IMITATION BRICK HOUSE, 81 FEET WEST OF THE  
 GD0114'SOUTHWEST CORNER OF A TOBACCO BARN, 32 FEET NORTH OF THE CENTER  
 GD0114'LINE OF THE ROAD, 6 FEET EAST OF THE EAST GATEPOST OF A WOODEN  
 GD0114'GATE, 1.5 FEET SOUTH OF A FENCE, ABOUT 1/2 FOOT LOWER THAN THE  
 GD0114'ROAD, AND IN THE TOP OF A CONCRETE POST PROJECTING ABOUT 4 INCHES.  
 GD0114  
 GD0114 STATION RECOVERY (1971)  
 GD0114  
 GD0114'RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1971  
 GD0114'RECOVERED IN GOOD CONDITION.  
 GD0114  
 GD0114 STATION RECOVERY (1990)  
 GD0114  
 GD0114'RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1990  
 GD0114'THE STATION IS LOCATED ABOUT 2.42 KM (1.50 MI) SOUTHEAST OF  
 GD0114'POTTERTOWN, 16.1 KM (10.0 MI) EAST-SOUTHEAST OF MURRAY AND ON THE  
 GD0114'NORTHEAST SIDE OF STATE HIGHWAY 280. OWNERSHIP--KENTUCKY DEPARTMENT  
 GD0114'OF TRANSPORTATION, CAPITAL PLAZA TOWER, FRANKFORT, KY 40601, PHONE  
 GD0114'502-564-4930.  
 GD0114'TO REACH THE STATION FROM THE JUNCTION OF STATE HIGHWAY 280 AND POPLAR  
 GD0114'SPRINGS ROAD, JUST SOUTHEAST OF GEORGES 76 SERVICE STATION-FOOD MART  
 GD0114'AND ABOUT 0.32 KM (0.20 MI) SOUTHEAST OF MILE MARKER 5 IN THE SMALL  
 GD0114'VILLAGE OF POTTERTOWN, GO SOUTHEAST ON STATE HIGHWAY 280 FOR 2.34 KM  
 GD0114'(1.45 MI) TO THE JUNCTION OF A GRAVEL ROAD ON THE LEFT AND THE  
 GD0114'STATION ON THE LEFT ON THE SOUTHEAST SIDE OF THE GRAVEL ROAD AND  
 GD0114'NORTHWEST OF A TOBACCO BARN.  
 GD0114'THE STATION IS LOCATED 24.7 M (81.0 FT) WEST OF THE SOUTHWEST CORNER  
 GD0114'OF THE CONCRETE FOUNDATION OF THE TOBACCO BARN, 9.75 M (31.99 FT)  
 GD0114'NORTHEAST OF THE CENTER OF HIGHWAY 280, 3.5 M (11.5 FT) SOUTHEAST OF  
 GD0114'THE CENTER OF THE GRAVEL ROAD, 1.15 M (3.77 FT) WEST OF TELEPHONE  
 GD0114'CABLE JUNCTION BOX ABC-15 AND 0.2 M (0.7 FT) SOUTH OF A FIBERGLASS  
 GD0114'WITNESS POST.  
 GD0114  
 GD0114 STATION RECOVERY (1991)  
 GD0114  
 GD0114'RECOVERED 1991  
 GD0114'RECOVERED IN GOOD CONDITION.  
 GD0114  
 GD0114 STATION RECOVERY (1993)  
 GD0114  
 GD0114'RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1993  
 GD0114'THE STATION IS LOCATED ABOUT 1.5 MI (2.4 KM) SOUTHEAST OF POTTERTOWN,  
 GD0114'10.0 MI (16.1 KM) EAST OF MURRAY AND ON THE NORTHEAST SIDE OF STATE  
 GD0114'HIGHWAY 280. OWNERSHIP--HIGHWAY RIGHT-OF-WAY, KENTUCKY  
 GD0114'TRANSPORTATION CABNET, CAPITAL PLAZA TOWER, FRANKFORT, KY. 40601.  
 GD0114'PHONE (502)564-4930.  
 GD0114'TO REACH THE STATION FROM THE JUCTION OF STATE HIGHWAYS 280 AND 94  
 GD0114'EAST OF MURRAY, GO EAST ON STATE HIGHWAY 280 FOR 5.2 MI (8.4 KM) TO  
 GD0114'POPLAR SPRING ROAD ON THE LEFT, CONTINUE SOUTHEAST ON HIGHWAY 280 FOR  
 GD0114'1.5 MI (2.4 KM) TO A GRAVELED ROAD AND THE STATION ON THE LEFT.  
 GD0114'THE STATION IS 81.0 FT (24.7 M) WEST FROM SOUTHWEST CORNER OF A  
 GD0114'TOBACCO BARN, 32 FT (9.8 M) NORTHEAST FROM THE CENTER OF HIGHWAY  
 GD0114'280, 11.5 FT (3.5 M) EAST FROM THE CENTER OF THE GRAVEL ROAD, 3.77  
 GD0114'FT (1.15 M) WEST FROM TELEPHONE CABLE JUCTION BOX ABC-15 AND 0.7 FT  
 GD0114'(21.3 CM) SOUTH FROM A FIBERGLASS WITNESS POST.  
 GD0114  
 GD0114 STATION RECOVERY (1994)  
 GD0114

GD0114'RECOVERED 1994  
GD0114'RECOVERED IN GOOD CONDITION.  
GD0114  
GD0114 STATION RECOVERY (2001)  
GD0114  
GD0114'RECOVERY NOTE BY KENTUCKY DEPARTMENT OF TRANSPORTATION 2001  
GD0114'RECOVERED IN GOOD CONDITION.  
GD0114  
GD0114 STATION RECOVERY (2001)  
GD0114  
GD0114'RECOVERY NOTE BY KENTUCKY DEPARTMENT OF TRANSPORTATION 2001 (JG)  
GD0114'RECOVERED IN GOOD CONDITION.  
GD0114  
GD0114 STATION RECOVERY (2002)  
GD0114  
GD0114'RECOVERY NOTE BY WOOLPERT CONSULTANTS 2002 (CSM)  
GD0114'RECOVERED AS DESCRIBED.  
GD0114  
GD0114 STATION RECOVERY (2003)  
GD0114  
GD0114'RECOVERY NOTE BY TN DEPT OF TRANSP 2003  
GD0114'RECOVERED AS DESCRIBED.  
GD0114  
GD0114 STATION RECOVERY (2004)  
GD0114  
GD0114'RECOVERY NOTE BY US ARMY CORPS OF ENGINEERS 2004 (DLB)  
GD0114'RECOVERED IN GOOD CONDITION.

\*\*\* retrieval complete.  
Elapsed Time = 00:00:00